

#### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Friday, November 14, 2025 WELL WORK PERMIT Horizontal 6A / New Drill

**EXPAND OPERATING LLC** 6100 N WESTERN AVE.

OKLAHOMA CITY, OK 73118

Re:

Permit approval for VERNON JOHNSON WTZ 405H

47-103-03789-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

Operator's Well Number:

**VERNON JOHNSON WTZ 405H** 

Farm Name:

LOUIS DAVID WILLIAMS, III

U.S. WELL NUMBER: 47-103-03789-00-00 Horizontal 6A New Drill

Date Issued: 11/14/2025

API Number: **47-103-03789** 

# PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **CONDITIONS**

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well Operator:	Expand Operating	ng LLC	494533012	103-Wetzel	3-Clay	438-Littleton
	7		Operator ID	County	District	Quadrangle
2) Operator's Well	Number: Vernon	Johnson W7	Z 405H Well Pad	Name: Verno	n Johnsor	1
3) Farm Name/Sur	face Owner: Louis	David Willia	ms III Public Road	d Access: Rice	e Ridge Ro	pad
4) Elevation, curre	nt ground: 1432	.' El	evation, proposed p	oost-construction	on: 1432'	
	Gas X	Oil	Unde	erground Storag	ge	
(b)	If Gas Shallow	X	Deep			
	Horizont	al X				
6) Existing Pad: Yo	es or No Yes					
<ol> <li>Proposed Target Target Formation- Marc</li> </ol>	t Formation(s), Dep					Associated Pressure- 4993
8) Proposed Total	Vertical Depth: 70	690'				
9) Formation at To	tal Vertical Depth:	Marcellus	5			
10) Proposed Total	l Measured Depth:	27,513'				
11) Proposed Horiz	zontal Leg Length:	16910.60	, r			
12) Approximate F	Fresh Water Strata	Depths:	440'			
13) Method to Dete 14) Approximate S		Depuis	Based on salinity profile ar	nd GR from Vernon J	ohnson WTZ 1	0H ST1 (API 47-103-02714)
15) Approximate C	Coal Seam Depths:	1280'				
16) Approximate I	Depth to Possible V	oid (coal m	ine, karst, other):	None that we a	ara awara	of.
17) Does Proposed directly overlying			ms Yes	No	Х	
(a) If Yes, provid	le Mine Info: Nar	ne:		.,		
	Dep	oth:	No. of the control of	A SECTION FOR SECURITION		
	Sea	m:				
	Ow	ner:				

API NO. 47-4037 10303789

OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

# 18)

# CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	136'	136' /	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	490'	490' /	559 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2835'	2835' /	1152 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	27513'	27513' /	Tail 5001sx/ 100' Inside Intermediate
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Interm	Casing				
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/10-15% Excess
Tubing							
Liners							

# **PACKERS**

Kind:		
Sizes:		
Depths Set:		

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Office Of Oil and Gas

OCT 1 4 2025

WV Department of Environmental Protection Page 2 of 3 11/14/2025

4710303789

OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. \*\*If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (\*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 8.4
- 22) Area to be disturbed for well pad only, less access road (acres): 5.9

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment \*\*\*

25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

Office Of Oil and Gas

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\*Note: Attach additional sheets as needed.

			CEMENT A	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER)	$\backslash$	INTEGRA SEAL	C1600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up to 3%	\$001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION	$\bigg) \bigg\rangle$	INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up to 3	S001	A-7P	CJIIO	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	0047	FP 28L	> <	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	$>\!\!<$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	>	$\times$	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETARY
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
·		>>	CJIII	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
		55-IIW	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	DO47	FP 28L	> <	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	> <	> <	OX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
			CJ540	HP FLUID LOSS ADDITIVE	ALIPHATICAMIDE POLYMER	PROPRIETARY
	0255	> <	>	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
		$\nearrow <$	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
PRODUCTION	>>	FL-66	0501	LOW TEMP FLUID	POWDERED POLYSACCHARIDE	PROPRIETARY
		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	$\times$	VISCOSI FIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETARY
	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1
	D065	X	X	DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
	D800			CEMENT RETARDER (Mid-Temperature)	SODIUM	8061-51-6

Office Of Oil and Gas

OCT 14 2025

WV Desputement of Environal plan (No. Colion

#### **Expand Energy Proposed Drilling Program** Well: VERNON JOHNSON WTZ 405H **Drilling Rig: EDC 40** e) pand Field: VICTORY Formation: Marcellus Shale State: County: WETZEL SHL (NAD83): 39.717908 Latitude -80.545804 Longitude BHL (NAD83): 39.759122 Latitude -80.577323 Longitude **KB Elev:** KB Height: 26 ft AGL 1,458 ft MSL GL Elev: 1,432 ft MSL NO COAL VOID EXPECTED 136 to 510 Air/Mist PROD TOC @ 2,835 ' MD 510 to 2,855 Air/Mist **TUBULAR DETAIL** Casing Size Planned Interval Weight Grade Casing String (in) (Min) (Min) To From 0' 136 2.855 to 8.526 Conductor 20 94.0# 1-55 13.375 54.4# J-55 0' 490 ' Air/Mist Surface Intermediate/Coal 9.625 36.0# J-55 0' 2,835 Production 5.5 20.0# P-110 HP 0' 27,513 CEMENT DETAIL Sacks Class Density Conductor 173 A 19.3 Surface 559 15.6 Intermediate 1152 A 15.6 Production 5001 A 14.5-15.0 TD at 8,526 ' KOP at 8,526 'MD Freshwater Depth - 440 'TVD 8,526 to 9,513 12.0-12.5 ppg Coal Depth - 1,280 'TVD Saltwater Depth - 1,795 'TVD TVD - 7,690 ' TMD - 27,513 ' TD at 27,513 'MD 7,690 'TVD 7,690 'TVD Target Center Onondaga 7,712 'TVD 9,513 to 27,513 to LP at 9,513 ' MD 12.5-13.5 ppg SHL Onondaga 7,712 'TVD Created by: Sebastian Ziaja on 07/11/2025

Office Of Oil and Gas

OCT 1 4 2025

WV Department of Environmental Protection



WW-9 (4/16)

API Number 47 -	103	
Operator's	Well No	O. Vernon Johnson WTZ 405H

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

# FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

TLOIDS/ COTTINGS	DISTOSAL & RECEASIATION LEAV
	OP Code 494533012
Watershed (HUC 10)	Quadrangle Littleton
Do you anticipate using more than 5,000 bbls of water to	complete the proposed well work? Yes No
Will a pit be used? Yes No V	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No ✓ If so, what ml.?
Proposed Disposal Method For Treated Pit Was	tes:
Land Application	16 m
Underground Injection (UIC ■ Reuse (at API Number At the	Permit Number Various Approved Facilities
	m WW-9 for disposal location)
Other (Explain_ recovery and	solidification on site
Will closed loop system be used? If so, describe: Yes-	See Attachment 3A
Drilling medium anticipated for this well (vertical and he	orizontal)? Air, freshwater, oil based, etc. Air drill to KOP, fluid drill with SOBM from KOP to TD
-If oil based, what type? Synthetic, petroleum,	etc. Synthetic Oil Base
Additives to be used in drilling medium? Attachment 3B	
Drill cuttings disposal method? Leave in pit, landfill, ren	moved offsite, etclandfill
-If left in pit and plan to solidify what medium	will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? Meado	owfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021
Apex Sanitary Landill Ub-U8438, Brooke U	and Gas of any load of drill cuttings or associated waste rejected at any
West Virginia solid waste facility. The notice shall be pr	ovided within 24 hours of rejection and the permittee shall also disclose
where it was properly disposed.	
I certify that I understand and agree to the term	is and conditions of the GENERAL WATER POLLUTION PERMIT issued
on August 1, 2005, by the Office of Oil and Gas of the V	Vest Virginia Department of Environmental Protection. I understand that the
provisions of the permit are enforceable by law. Violat law or regulation can lead to enforcement action.	tions of any term or condition of the general permit and/or other applicable
I certify under penalty of law that I have per	sonally examined and am familiar with the information submitted on this
application form and all attachments thereto and that obtaining the information. I believe that the informati	t, based on my inquiry of those individuals immediately responsible for on is true, accurate, and complete. I am aware that there are significant
penalties for submitting false information, including the	on is true, accurate, and complete. I am aware that there are significant possibility of fine or imprisonment.
Company Official Signature	OCT 14 2025
Company Official (Typed Name) Brittany Woody	Wy Departs
Company Official Title Staff Regulatory Specialist	Environmental Protection
	- Coulon
Subscribed and sworn before me this da	y of <u>July</u> , <u>20</u> 25
Minuter H Plankous	Notary Public OFFICIAL SEAL NOTARY PUBLIC
- Corporate of punchange	STATE OF WEST VIRGINIA
My commission expires <u>(1)3/2039</u>	Elizabeth Blankenshi 60 Simpson Run Road
	Weston, WV 26452 My Commission Expires June 23, 20

4710303789

Operator's Well No. Vernon Johnson WTZ 405H

Lime _as determined by pH test min.2 Tons/acre or to correct to pH _5.9  Fertilizer type _10-20-20  Fertilizer amount _600/500lbs/acre  Mulch _Hay/StrawTons/acre		
Fertilizer amount_600/500lbs/acre		
Mulch_ Hay/StrawTons/acre		
Seed Mixtures		
Temporary	Perma	nent
Seed Type lbs/acre Attachment 3C	Seed Type	lbs/acre
Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  Comments: From Seed mulch of	Il overs.	
Thiny the second of the second	•	
RECEIVED Office Of Oil and Gas		
OCT 1 4 2025		
WV Department of		

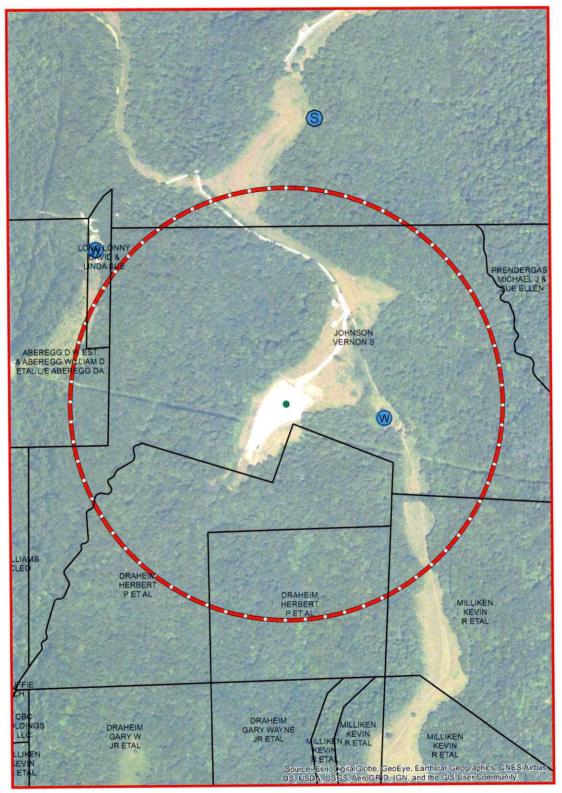
# MARCELLUS WELL DRILLING PROCEDURES AND 47 10 3 0 3 7 8 9 WELL SITE SAFETY PLAN



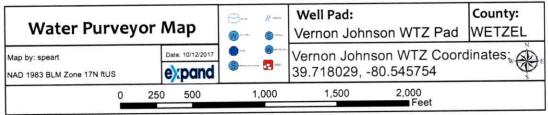
Expand Energy 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

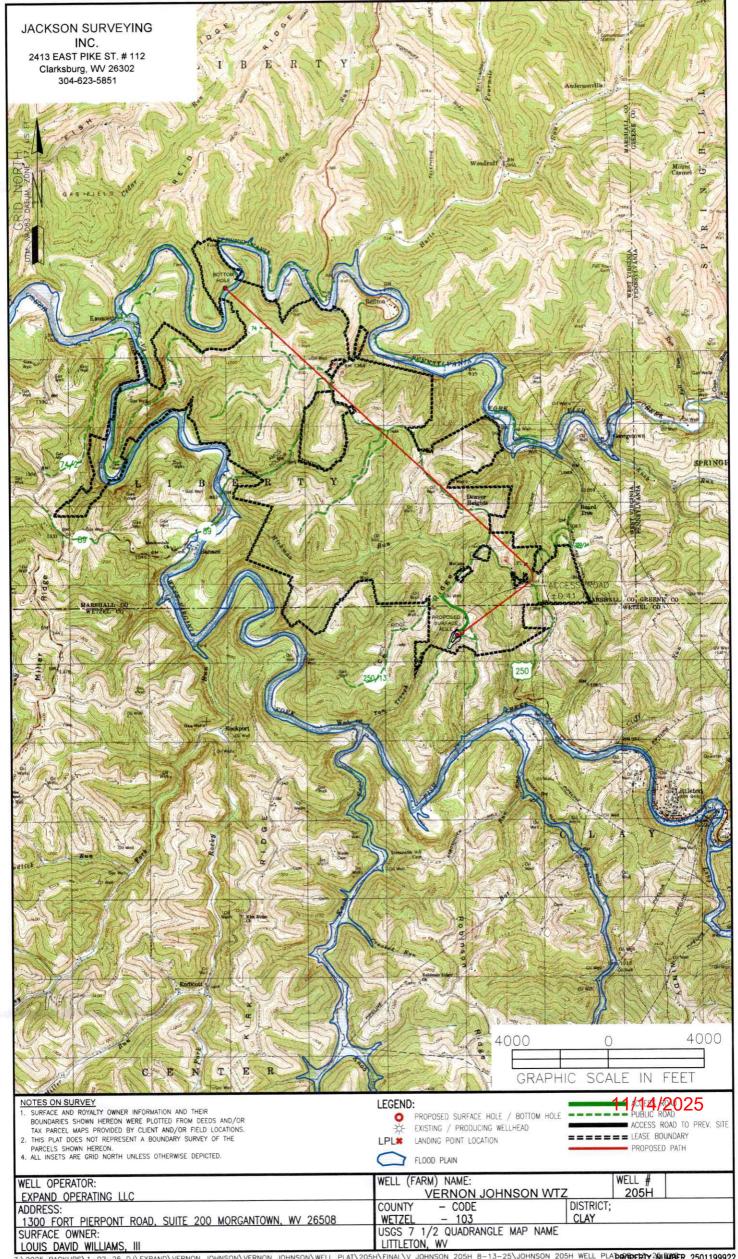
API NO. 47-XXX-XXXXX
WELL NAME: Vernon Johnson WTZ 405H
Littleton QUAD
Clay DISTRICT
WETZEL COUNTY, WEST VIRGINIA

Submitted by:	
Name: Brittany Woody	Date: <u>6/25/2025</u>
Brittany Woody	
Title: Staff Regulatory Specialist	Expand Energy
Approved by:	
Name: Name:	Date: 7/7/25
Title: W OEB Juster to	-1
THE THE PARTY OF T	
Approved by:	
Name:	Date:
Title:	
	Office RECEIVED Of Oil and Gas
Expand Energy – CONFIDENTIAL	OCT 1 4 202
	Environmental Protection
	onmental Project



The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.





2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

# SURFACE HOLE LOCATION (SHL):

JTM (NAD83, ZONE 17, N NORTHING: 4,396,547.128 EASTING: 538,929.174

#### LANDING POINT (LPL):

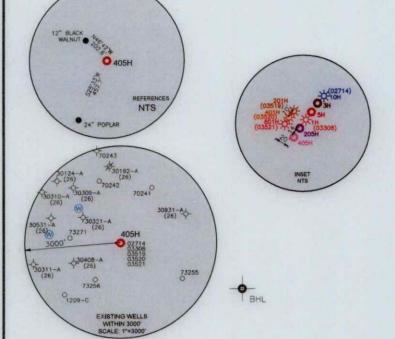
JTM (NAD83, ZONE 17, N NORTHING: 4,397,311.023 EASTING: 540,142.662

# BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, N NORTHING: 4,401,108.085 EASTING: 536,206.095



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 12'36'43" E	3372.32	SHL TO LANDMARK	30" POPLAR FOUND
L2	S 11'50'51" E	534.38'	SHL TO LANDMARK	LARGE POST FOUND
L4	N 31'34'39" W	1069.53	LPL TO AZL1	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 57'48'34" E	4704.41	5087.06	SHL TO LP



RESTRICTIONS

NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.

NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.

NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.

NO PERENNAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.

NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE OF PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S. CONTROLS OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S. CONTROLS OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S. CONTROLS OR PUBLIC WATER SUPPLY.

SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS THE BEST OF MY KNOWLEDGE AND BELLEF AND SHOWS DRMATION REQUIRED BY LAW AND REGULATIONS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



2000 2000 0 IN FEET GRAPHIC SCALE

COMPANY:

expand



(+) DENOTES LOCATION OF WELL ON MINIMUM UNITED STATES TOPOGRAPHIC MAPS

David I fac

OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034

DEGREE OF ACCURACY:

1/200

PROVEN SURVEY
SOURCE OF GRADE GPS
ELEVATION: (NAVD 88, US FT)

OPERATOR'S WELL #:

**VERNON JOHNSON WTZ** 

47 API WELL #:

STATE COUNTY

ELEVATION: 1431.7'

ACREAGE: ±132.00

03789 103

WELL TYPE: OIL

DISTRICT: CLAY

WASTE DISPOSAL

PRODUCTION

GAS X

LIQUID INJECTION

STORAGE

QUADRANGLE: LITTLETON, WV

PERMIT

SHALLOW X

WATERSHED: WEST VIRGINIA FORK FISH CREEK (HUC-10)

SURFACE OWNER: LOUIS DAVID WILLIAMS, III
OIL & GAS ROYALTY OWNER: KEITH ABEREGG; BRIAN F. BUTLER; RED STONE RESOURCES, LLC; JAMES STONEKING

COUNTY: WETZEL

ACREAGE: ±132.00

DESIGNATED AGENT: BRITTANY WOODY

DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION 11/14/2025

11/14/2025

PLUG & ABANDON

CLEAN OUT & REPLUG

OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS

ESTIMATED DEPTH: 7,690 TVD 27,513 TMD

WELL OPERATOR: EXPAND OPERATING LLC

ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 STATE: WV ZIP CODE:

CITY: MORGANTOWN

**REVISIONS:** 

ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 STATE: WV ZIP CODE: 26508

LEGEND:

CITY:

PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD

LANDING POINT LOCATION

MORGANTOWN

EXISTING WATER WELL EXISTING SPRING

- SURVEYED BOUNDARY DRILLING UNIT = = = LEASE BOUNDARY

DRAWN BY: N. MANO SCALE: 1" = 2000'

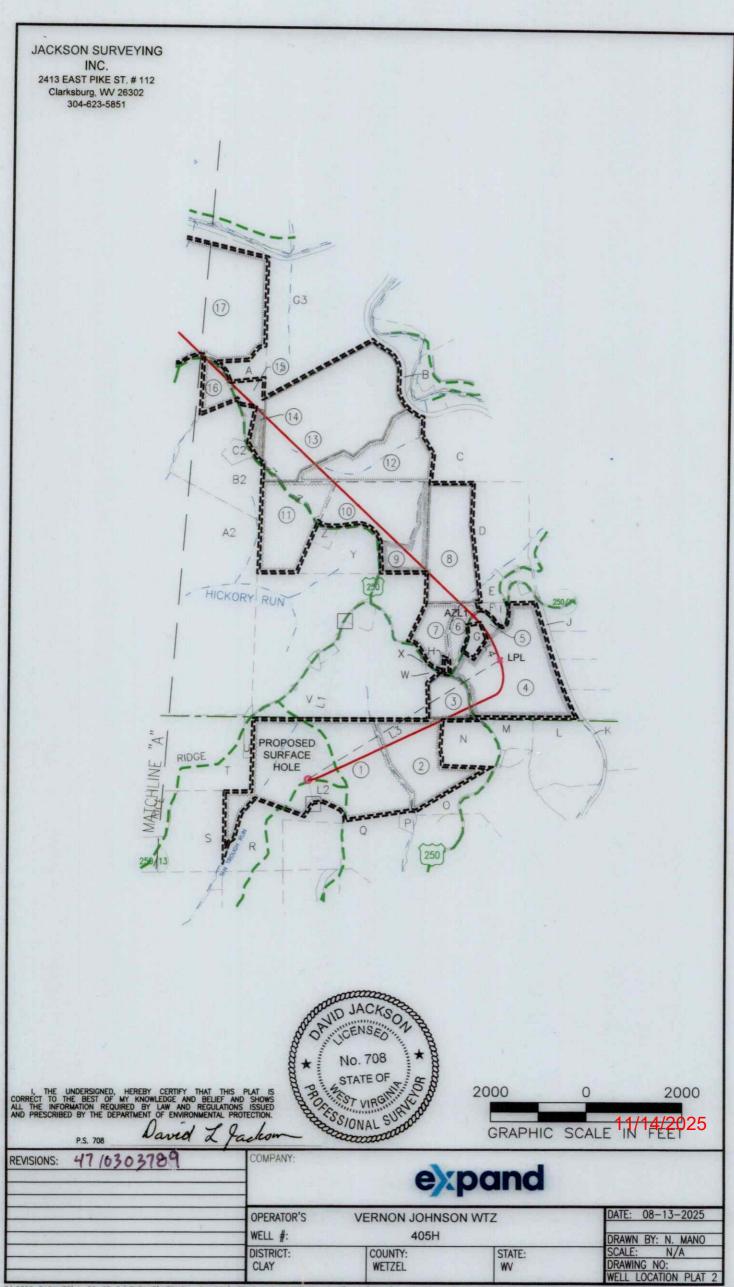
2025 BACKUPS\1-02-25 DJ\EXPAND\VERNON JOHNSON\VERNON JOHNSON\WELL PLAT\405H\FINAL\V JOHNSON 405H 8-13-25\JOHNSON 405H WELL PLAPROPERTY NUMBER 2501199916

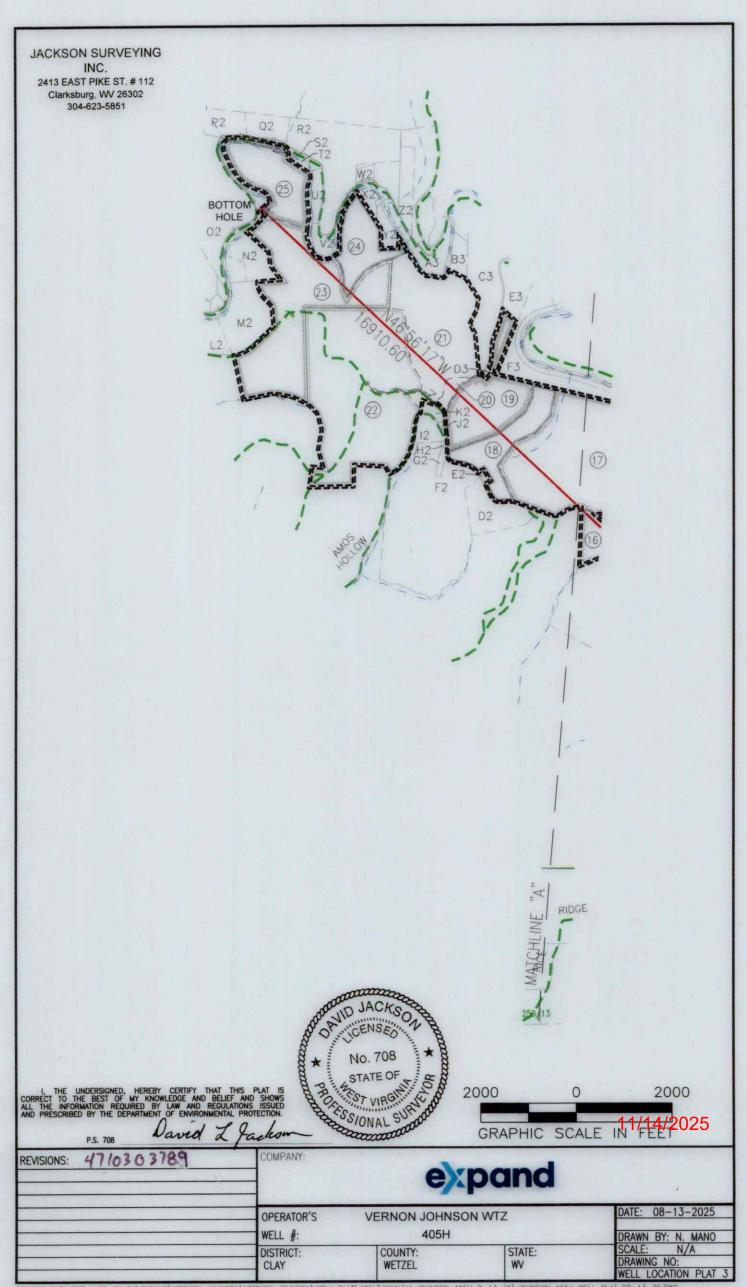
PAD ID 3001155650

WELL LOCATION PLAT

HOLE

BOTTOM





JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

Marie II	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	WILLIAMS LOUIS DAVID III (S)/ AMP FUND III; LP; AUCE M. ABEREGG; ELLEN ABEREGG; JAMES J. ABEREGG; KEITH ABEREGG; BRIAN F. BUTLER; U.S. ENERGY DEVELOPMENT CORPORATION, LLC; JAMES STONEKING (R)	3-1-1
TRACT	SURFACE OWNER (S)	TAX PARCE
2	PRENDERGAST MICHAEL J TRUST & SUE ELLEN (S)	3-1-2
3	WOODRUFF STEVEN & SUSAN (S)	7-23-25
4	PRENDERGAST MICHAEL J TRUST & SUELLEN LEMLEY (S)	7-23-16
5	STERN ALVIN (S)	7-23-19
6	LUCAS PAUL W LIVING TRUST (S)	7-23-20
7	GRANT JEFFREY W & VIRGINIA F (S)	7-23-21
8	LUCAS PAUL W LIVING TRUST (S)	7-23-6
9	PIERCE LAURA & ROSA (S)	7-23-4
10	BROWN CHELCEE HORNER SEP SHARE TRUST 5-30-18 (S)	7-23-3
11	CONAWAY THOMAS E (S)	7-23-1
12	MCCONNELL MARJORIE EST ET AL (S)	7-22-5
13	MORGAN VICKIE L (S)	7-22-4
14	MORGAN VICKIE L (S)	7-25-10
15	MORGAN VICKIE L (5)	7-25-8.1
16	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES (S)	7-25-9
17	HARRINGTON CLYDE F (S)	7-25-7
18	BROWN ANDREW C III (S)	7-25-4
19	GREGG RICARDO S ET UX (S)	7-20-32
20	BURLEY AMMON A JR & PAMELA J (S)	7-20-26.1
21	BURLEY FLORA JOANN (S)	7-20-26
22	BURLEY AMON A EST (S)	7-20-37
23	BURLEY AMMON A EST (S)	7-20-24
24	MOUNTAIN VIEW REALTY LLC (S)	7-20-25
25	STEPHENS CLAUDE R EST ET AL (S)	7-20-23

	ADJOINING OWNERS TABLE	
RACT	SURFACE OWNER	TAX PARCEL
A	WHIPKEY BRANDON R & NORMA J	7-25-8
В	CNX LAND LLC	7-22-37
C	LYONS FAMILY LLC	7-22-8
D	LUCAS PAUL W	7-23-7
E	LUCAS PAUL W	7-23-7.1
F	MIDCAP VIRGINIA & LESLIE J	7-23-18
G	MCPEEK AMOS JR	7-23-5
н	LUCAS PAUL W LIVING TRUST	7-23-23
1	VEMURI HOME & GARDEN LLC	7-23-17
J	CNX LAND LLC	7-23-29
K	CNX LAND LLC	3-2-63
L	PRENDERGAST MICHAELJ & SUE ELLEN	3-2-4
M	GORBY LARRY D	3-2-1
N	GORBY LARRY D & MARGIE L.	p/o 3-1-2
0	TEDROW CATHERINE A; L/E TEDROW WILLIAM C II	3-2-2.1
р	WV MINERALS INC	3-1-3
Q	MILLIKEN KEVIN R ETAL	3-1-4
R	DRAHEIM HERBERT P ET AL	3 1 6
S	WILLIAMS JOHN EDWARD	1-3-9
T	ABEREGG D W EST & ABEREGG; WILLIAM D ETAL L/E ABEREGG DA	1-3-2
U	LONG LINDA SUE	1-3-2.1
V	PRENDERGAST MICHAEL J TRUST & SUELLEN LEMLEY	7-23-26
W	BYERLY CHARLES BRADLEY	7-23-24
X	GRANT JEFFERY W ET UX	7-23-22
Y	PIERCE LAURA & ROSA	7-23-3.1
Z	PIERCE LAURA & ROSA	7-23-2
A2	W VA WILDLIFE RESOURCES SECTION	7-24-1
B2	CONAWAY THOMAS EARL JR & CAROLYN K STOWE	7-25-12
C2	MINCH JOHN	7-25-11

	ADJOINING OWNERS TABLE	
TRACT	SURFACE OWNER	TAX PARCEL
D2	BROWN ANDREW C III	7-25-6
E2	RICHARDS JOHN C ET UX	7-25-13
F2	GRESHAW JASON M & MARY L	7-25-2
G2	LONGWELL NEWMAN MET UX	7-25-2.1
H2	BURLEY AMMON A ET UX	7 25 3
12	BURLEY AMMON A ET UX	7-20-36
12	ZACCHEUS PROPERTIES LLC-2011	7-20-33
К2	HALL DENNIS DEAN ET UX	7-20-35
12	BURLEY AMMON ET UX	7-20-12
M2	BURLEY AMMON A EST	7-20-18
N2	BERISFORD CONRAD MET UX	7-20-20
02	KIRBY LILLIAN A	7 20 21
P2	DEVER JAMES W EST	7-20-22
Q2	HINKLE FAMILY TRUST	7-15-19
R2	HUMMEL DAVID W JR & MELANIE A	7-15-17
S2	PORTER WILLIAM H & GAIL K- TOD	7-15-17.2
12	DOTY HAROLD LEROY JR	7-15-18
U2	PORTER WILLIAM H & GAIL K- TOD	7-15-17.1
V2	PORTER WILLIAM H & GAIL K- TOD	7-15-17.3
W2	MOUNTAIN VIEW REALTY LLC	7-15-16
X2	CZOLBA JANEEN L	7-15-14.1
Y2	MOUNTAIN VIEW REALTY LLC	7-15-14
22	NEELY TREVOR L	7-15-12.1
A3	MILLER CODY	7-15-12
83	STATE ROAD COMMISSION	7-20-27.1
C3	HALL SEAN D	7-20-28
D3	RICHARDS JOHN T & RHONDA K	7-20-32.1
E3	GREGG RICARDOS ET UX	7-20-31
F3	KENNEDY DONALD W & MARTHA J	7-21-1
G3	MORGAN VICKIE L	7-22-1

\*Highlighted Parcels may be impacted during drilled.

11/14/2025

REVISIONS: 47 (03 03189	COMPANY:	e):	pand	
	OPERATOR'S WELL #:	VERNON JOHNSO 405H	ON WTZ	DATE: 08-13-2025  DRAWN BY: N. MANO
	DISTRICT: CLAY	COUNTY: WETZEL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 4

WW-6A1 (5/13)

Operator's Well No. Vernon Johnson WTZ 405H

# INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or
Number Grantor, Lessor, etc. Grantee, Lessee, etc.

Royalty Book/Page

See Exhibit "A"

\*Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

\*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.

\*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

# Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Expand Operating LLC

By: Tim Ledet

Its: Sr. Staff Landman

Office Of Oil and Gas

Page 1 of 20

OCT 1 4 2025

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

act#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Lea by Expand
		Carol Staley, f/k/a Carol Butler, a married			044/457	0.0000000
1	3-1-1	woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	94A/467	0.000000%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Laura Lee Aberegg, a widow	Chesepeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	93A/918	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Keith Aberegg, a married man dealing in his sole	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	94A/473	
		and separate property	7. 7.1	10 10 1000		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		James Joseph Aberegg, a/k/a Joseph Aberegg, a single man	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	94A/476	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		James Denzil Stoneking, a maried man dealing		At least 1/9th our WA/ Code 22 C P	94A/470	
		in his sole and separate property	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ellen Vannatter, a single woman	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	94A/464	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Alice Driver, f/k/a Alice LeBoda, a single woman	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	94A/461	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
-		SWIN Production Company, LCC	Expand Operating, ECC			
		Sue Ellen Lemley, f/k/a Sue Ellen Prendergast, a				
2	3-1-2	married woman dealing in her sole and	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	111A/543	0.000009
		separate property				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Michael J. Prendergast, a single man	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	111A/547	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
			Frank Counties IIIC		851	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	-
3	7-23-25	Royalty Owners	N/A	N/A	N/A	8.3333339
3	7-23-25			N/A At least 1/8th per WV Code 22-6-8	NAME AND ADDRESS OF TAXABLE PARTY.	
3	7-23-25	Royalty Owners	N/A		N/A	
3	7-23-25	Royalty Owners Royalty Owners	N/A SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC	N/A SWN Production Company, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr.	N/A SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC	N/A SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in	N/A SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property	N/A SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251	
3	7-23-25	Royalty Owners Royalty Owners AMP V. LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC	N/A SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V, LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen	N/A SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V, LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC	N/A SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R, Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph	N/A SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539	
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3	7-23-25	Royalty Owners  Royalty Owners  AMP V. LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  Terri K. Heighen  Terri K. Heifin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband	N/A SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter 951/292 *See Letter	
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3	7-23-25	Royalty Owners  Royalty Owners  AMP V. LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  Terri K. Heflin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fixa American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Meighen, a widow	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter	
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	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph Leonard Heflin, wife and husband SWN Production Company, LLC H3 LLC, a West Virginal limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fika American Petroleum Partners Operating SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fika American Petroleum Partners Operating	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V, LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  Terri K. Heflin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Meighen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC  Reiko Meighen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph Leonard Heflin, wife and husband SWN Production Company, LLC H3 LLC, a West Virginal limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fika American Petroleum Partners Operating SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fika American Petroleum Partners Operating	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V. LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  Terri K. Heflin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fixa American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Melghen, a widow  High Road Operating, LLC fixa American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Melghen, a widow  High Road Operating, LLC fixa American  Petroleum Partners Operating  SWN Production Company, LLC  Margaret L. Melghen, a single woman	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V, LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  Terri K. Heflin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fixa American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Meighen, a widow  High Road Operating, LLC fixa American  Petroleum Partners Operating  SWN Production Company, LLC  Margaret L Meighen, a single woman  SWN Production Company, LLC	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter 1163/191 *See Letter	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph Leonard Heflin, wife and husband SWN Production Company, LLC H3 LLC, a West Virginal limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fika American Petroleum Partners Operating SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fika American Petroleum Partners Operating SWN Production Company, LLC Margaret L. Meighen, a single woman SWN Production Company, LLC Patricia Lesnett and Arthur Lesnett, wife and	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V, LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  Terri K. Heflin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Meighen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC  Margaret L. Meighen, a single woman  SWN Production Company, LLC  Margaret L. Meighen, a single woman  SWN Production Company, LLC  Patricia Lesnett and Arthur Lesnett, wife and husband	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter 1163/191 *See Letter	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph Leonard Heflin, wife and husband SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fka American Petroleum Partners Operating SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fka American Petroleum Partners Operating SWN Production Company, LLC Margaret L. Meighen, a single woman SWN Production Company, LLC Patrical Lesnett and Arthur Lesnett, wife and husband SWN Production Company, LLC Patrical Lesnett and Arthur Lesnett, wife and husband SWN Production Company, LLC	N/A SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 956/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter 1163/191 *See Letter	
3	7-23-25	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthouty Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph Leonard Heflin, wife and husband SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fixa American Petroleum Partners Operating SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fixa American Petroleum Partners Operating SWN Production Company, LLC Margaret L. Meighen, a single woman SWN Production Company, LLC Margaret L. Meighen, a single woman SWN Production Company, LLC Thomas J. Meighen, a married man dealing in his sole and separate property High Road Operating, LLC fixa American	N/A SWN Production Company, LLC Expand Operating, LLC American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 956/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter 1163/191 *See Letter	
3	7-23-25	Royalty Owners  Royalty Owners  AMP V. LLC  Megan Rex Jeter  Anthony Kurtz Jr.  James R. Rex  Hubert V. Meighen  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Glies H. Meighen  SWN Production Company, LLC  Terri K. Heflin, aka Terri K. Stickles and Joseph  Leonard Heflin, wife and husband  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC  Keiko Melghen, a widow  High Road Operating, LLC fka American  Petroleum Partners Operating  SWN Production Company, LLC  Margaret L. Melghen, a single woman  SWN Production Company, LLC  Patricia Lesnett and Arthur Lesnett, wife and husband  SWN Production Company, LLC  Thomas J. Meighen, a married man dealing in his sole and separate property  High Road Operating, LLC fka American  Petroleum Partners Operating	N/A SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter 962/56 45/381 *See Letter 974/344 *See Letter	8.333333% 13.9880953
ED and G		Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthouty Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC Terri K. Heflin, aka Terri K. Stickles and Joseph Leonard Heflin, wife and husband SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fixa American Petroleum Partners Operating SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fixa American Petroleum Partners Operating SWN Production Company, LLC Margaret L. Meighen, a single woman SWN Production Company, LLC Margaret L. Meighen, a single woman SWN Production Company, LLC Thomas J. Meighen, a married man dealing in his sole and separate property High Road Operating, LLC fixa American	N/A SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 1232/63 1232/63 1232/63 1232/63 1232/63 1232/63 *See Letter 926/251 *See Letter 957/539 *See Letter 951/292 *See Letter 1159/702 *See Letter 955/440 45/381 *See Letter 962/56 45/381 *See Letter 962/56 45/381 *See Letter 974/344 *See Letter	

Office Of Oil and Gas

OCT 14 2025

WV Department of Environmental Protection

#### Vernon Johnson WTZ 405H Wetzel and Marshall Counties, West Virginia

7-23-16	Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Bounty Minerals, LLC, a Texas limited liability company SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fix American Petroleum Partners Operating	Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC Expand Operating, LLC	N/A  At least 1/8th per WV Code 22-6-8	*See Letter  N/A  1232/45  1232/45  1232/45  1232/45  1232/45  1232/45  *See Letter  1192/373  *See Letter  926/251  *See Letter  957/539  *See Letter	8.33333% 13.988095%
7-23-16	Royalty Owners  AMP V, LLC  Megan Rex Jeter Anthony Kurtz Jr.  James R. Rex Hubert V. Meighen  SWN Production Company, LLC  Bounty Minerals, LLC, a Texas limited liability company  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fix American  Petroleum Partners Operating	SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	1232/45 1232/45 1232/45 1232/45 1232/45 1232/45 *See Letter 1192/373 *See Letter 926/251 *See Letter 957/539	
	AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Bounty Minerals, LLC, a Texas limited liability company SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fix American Petroleum Partners Operating	SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	1232/45 1232/45 1232/45 1232/45 1232/45 *See Letter 1192/373 *See Letter 926/251 *See Letter 957/539	13,988095%
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	Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Bounty Minerals, LLC, a Texas limited liability company SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fix American Petroleum Partners Operating	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	1232/45 1232/45 1232/45 *See Letter 1192/373 *See Letter 926/251 *See Letter 957/539	
	James R. Rex Hubert V. Meighen SWN Production Company, LLC Bounty Minerals, LLC, a Texas limited liability company SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	1232/45 1232/45 *See Letter 1192/373 *See Letter 926/251 *See Letter 957/539	
	Hubert V. Meighen  SWN Production Company, LLC  Bounty Minerals, LLC, a Texas limited liability company  SWN Production Company, LLC  Frances Elaine Baumbach, a widow dealing in her sole and separate property  SWN Production Company, LLC  Giles H. Meighen  SWN Production Company, LLC  H3 LLC, a West Virginia limited liability company  SWN Production Company, LLC  Sara S. Meighen, a widow  High Road Operating, LLC fix American  Petroleum Partners Operating	SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	1232/45 *See Letter  1192/373 *See Letter 926/251 *See Letter 957/539	
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	Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fix American Petroleum Partners Operating	SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	926/251 *See Letter 957/539	
	her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fia American Petroleum Partners Operating	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	*See Letter 957/539	
	Giles H. Meighen SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC		957/539	
	SWN Production Company, LLC H3 LLC, a West Virginia limited liability company SWN Production Company, LLC Sara S. Meighen, a widow High Road Operating, LLC fka American Petroleum Partners Operating	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC			
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	Sara S. Meighen, a widow High Road Operating, LLC fka American Petroleum Partners Operating			1136/409	
	High Road Operating, LLC fka American Petroleum Partners Operating			*See Letter	
	Petroleum Partners Operating	American recroteum ractiers Operating, LLC	At least 1/8th per WV Code 22-6-8	955/440	
	CHILD Book of the Common HC	SWN Production Company, LLC		45/381	
	SWN Production Company, LLC Terri K. Heffin, aka Terri K. Stickles, and Joseph	Expand Operating, LLC		*See Letter	
	L. Heflin, wife and husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1222/442	
		Expand Operating, LLC		*See Letter	
		American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	962/56	
	High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC		45/381	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Margaret L. Meighen, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1163/191	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Patricia Lesnett and Arthur Lessnett, wife and husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	974/344	
		Expand Operating, LLC		*See Letter	
	Thomas J. Meighen, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	951/474	
	High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC		45/381	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1228/10	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	# 222222W
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	company	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1192/373	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Frances Elaine Baumbach, a widow dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	926/251	
	her sole and separate property				
			441		
			At least 1/8th per WV Code 22-6-8		
			At least 1/8th per WV Code 22-6-8	1136/409	
		Expand Operating, LLC		*See Letter	
		American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	955/440	
	High Road Operating, LLC fka American		A CONTRACTOR OF THE STATE OF TH		
	Petroleum Partners Operating	SWN Production Company, LLC		45/381	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Terri K. Heflin, aka Terri K. Stickles, and Joseph L. Heflin, wife and husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1222/442	
	to recititi, wire and masually	Expand Operating, LLC			
	SWN Production Company, LLC			*See Letter	
	SWN Production Company, LLC Keiko Meighen, a widow		At least 1/8th per WV Code 22-6-8	*See Letter 962/56	
	SWN Production Company, LLC Keiko Meighen, a widow High Road Operating, LLC fka American	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	962/56	
	Keiko Meighen, a widow		At least 1/8th per WV Code 22-6-8		
	7-23-19	husband SWN Production Company, LLC Thomas J. Meighen, a married man dealing in his sole and separate property High Road Operating, LLC fika American Petroleum Partners Operating SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Royalty Owners Royalty Owners AMP V, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC Bounty Minerals, LLC, a Texas limited liability company SWN Production Company, LLC Frances Elaine Baumbach, a widow dealing in her sole and separate property SWN Production Company, LLC Giles H. Meighen SWN Production Company, LLC	husband SWN Production Company, LLC Thomas J. Melghen, a married man dealing in his sole and separate property High Road Operating, LLC fka American Petroleum Partners Operating SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Megan Rex Jeter Anthony Kurtz Jr. James R. Rex Hubert V. Meighen SWN Production Company, LLC	husband SWN Production Company, LLC Thomas J. Meighen, a married man dealing in his sole and separate property High Road Operating, LLC flea American Petroleum Partners Operating SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 AMP V, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 Anthony Kurtz Jr. SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 Anthony Kurtz Jr. SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per WV Code 22-6-8 SWN Production Company, LLC At least 1/8th per W	husband SWN Production Company, LLC Thomas J. Meighen, a married man dealing in his sole and separate property Migh Road Operating, LLC Raymond Operating, LLC Art least 1/8th per WV Code 22-6-8 SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Nantz, dealing in her sole and separate property SWN Production Company, LLC Nancy Lynn Rex Leter SWN Production Company, LLC Nat least 1/8th per WV Code 22-6-8 NANC N/A

# Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

act#	Tax Parcel	Lessor	Lassee	Royalty	BK/PG	% Interest Not Lea by Expand
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Patricia Lesnett and Arthur Lessnett, wife and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	974/344	
		husband			*See Letter	
			Expand Operating, LLC			
		his sole and separate property	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	951/474	
		High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC		45/381	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Nancy Lynn Rex Nantz, dealing in her sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1228/10	
			Expand Operating, LLC		*See Letter	
6	7-23-20	Royalty Owners	N/A	N/A	N/A	8.333333%
		Royalty Owners	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/54	13.988095%
		AMP V, LLC	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/54	
		Megan Rex Jeter	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/54	
		Anthony Kurtz Jr.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/54	
		James R. Rex	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/54	
		Hubert V. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/54	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Bounty Minerals, LLC, a Texas limited liability	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1192/373	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Frances Elaine Baumbach, a widow dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	926/251	
		her sole and separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Giles H. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/539	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		H3 LLC, a West Virginia limited liability company	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1136/409	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sara S. Meighen, a widow	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	955/440	
		High Road Operating, LLC fka American	SWN Production Company, LLC		45/381	
		Petroleum Partners Operating SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Terri K. Heflin, aka Terri K. Stickles, and Joseph	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1222/442	
		L. Heflin, wife and husband		At least 20 or per tri		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Keiko Meighen, a widow	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	962/56	
		High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC		45/381	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Margaret L. Meighen, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1163/191	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Patricia Lesnett and Arthur Lessnett, wife and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	974/344	
		husband			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Letter	
		Thomas J. Meighen, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	951/474	
		High Road Operating, LLC fka American Petroleum Partners Operating	SWN Production Company, LLC		45/381	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Nancy Lynn Rex Nantz, dealing in her sole and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1228/10	
		separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
7	7-23-21	Royalty Owners	N/A	N/A	N/A	8.3333339
7	1-23-21	Royalty Owners	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/57	13.988095
		AMP V, LLC	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/57	
		Megan Rex Jeter	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/57	
		Anthony Kurtz Jr.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/57	
		James R. Rex	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/57	
		Hubert V. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/57	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Bounty Minerals, LLC, a Texas limited liability	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1192/373	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Frances Elaine Baumbach, a widow dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	926/251	
		her sole and separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Giles H. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/539	
					*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
				At least 1/8th per WV Code 22-6-8	1136/409	
		SWN Production Company, LLC  H3 LLC, a West Virginia limited liability compan  SWN Production Company, LLC		At least 1/8th per WV Code 22-6-8	1136/409 *See Letter	

#### Vernon Johnson WTZ 405H

#### Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

ract#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Leas by Expand
		High Road Operating, LLC fka American	SWN Production Company, LLC		45/381	
		Petroleum Partners Operating				
			Expand Operating, LLC		*See Letter	
		Terri K. Heflin, aka Terri K. Stickles, and Joseph L. Heflin, wife and husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1222/442	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	962/56	
		High Road Operating 11 C fka American	SWN Production Company, LLC		45/381	
		Petroleum Partners Operating	SWA Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Margaret L. Meighen, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1163/191	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Patricia Lesnett and Arthur Lessnett, wife and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	974/344	
		husband SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Thomas J. Meighen, a married man dealing in				
		his sole and separate property	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	951/474	
		High Road Operating, LLC fka American	SWN Production Company, LLC		45/381	
		Petroleum Partners Operating				
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Nancy Lynn Rex Nantz, dealing in her sole and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1228/10	
		separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
0	7.72.6			N/A	N/A	19.891008%
8	7-23-6	Ammon A. Burley and Flora J. Burley, husband	N/A			20,022,000,0
		and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1129/537	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Annette A. Lloyd, a widow	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/526	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		First Assembly of God Church	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1133/98	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Barbara J. Burley, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1133/88	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Charles Wayne Geho, a married man dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1129/542	
		his sole and separate property			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Letter	
		Chelcee Horner Brown Separate Share Trust, dated May 30, 2018	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1026/60	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Chestnut Holdings, Inc., a Florida corporation	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1137/207	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Donald Scott Conaway, a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/629	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		DWG Oil and Gas Acquisitions, LLC	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/391	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Elizabeth Ann Cain, a widow	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1135/319	
		Elsie J. Mercer, a widow	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	926/577	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Franklin Thomas Barrett, a married man dealing	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1133/103	
		in his sole and separate property		100000000000000000000000000000000000000	*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
		George L. Hale, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/531	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Robert W. Conaway, Jr., a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/636	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
				At least 1/9th per MA/ Code 22 6 9	926/571	
		Jeffrey L. Fish and Cindy Fish, husband and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Joseph Earl Kaczorowski, a married man dealing	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1136/54	
		in his sole and separate property			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1133/93	
		Karen Jayce Conaway Jones	Expand Operating, LLC	A LEGAL OF SEL ALL COME SE A.C.	*See Letter	
		SWN Production Company, LLC Kathy Jo Hoopes, f/k/a Kathy Jo Watkins, a	Expelle Operating, LLC			
		married woman dealing in her sole and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/375	
		separate property	87 857	and the second s		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Krystal K. and Tom Camp, wife and husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	926/569	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Marlin Watkins, a/k/a Donald Marlin Watkins, a		** * * ** * * * * * * * * * * * *	1120/200	
NED jil and		married man dealing in his sole and separate	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/380	
		property				

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WV Department of Environmental Projection

# Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

ract#	Tax Parcel	Lessor	Lossee	Royalty	BK/PG	% Interest Not Lea by Expand
		Michael A. Fish and Debra L. Fish, husband and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/343	
		wife	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC  Robert L. Burley, a married man dealing in his	expand Operating, LLC			
		sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/521	
			Expand Operating, LLC		*See Letter	
		Roger Lee Cain II, a married man dealing in his	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1137/225	
		sole and separate property		The reast grant per 111 code 22 o o		
			Expand Operating, LLC		*See Letter	
		Ronald Wayne Conaway, a married man dealing in his sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/505	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sharon N. Zeppernick, a/k/a Sharon Neala			70-0'E0 (2000)	
		Barrett Zeppernick, a married woman dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/516	
		her sole and separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Susan Smurthwaite, a/k/a Susan Lynn Conaway	Expand Operating, LLC			
			SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1143/718	
		sole and separate property				
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Thomas David Conaway, a married man dealing	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1138/721	
		in his sole and separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Timothy N. Burley and Connie Burley, husband		As least 1/0sh and MO/ Code 33 E 9	926/573	
		and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Deborah L. Merritt, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1139/681	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Suzanne Vance & M.L. Stallard Vance II, her husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1139/165	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		John Bartolovich & Dawn Bartolovich, his wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1139/160	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Mark W. Bortolovich and Cassandra	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1139/686	
		Bartolovich, his wife		•	*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	1138/198	
		John W. Cowell & Judith L. Cowell, his wife	SWN Production Company, LLC Expand Operating, LLC	At least 1/our per WV code 22-0-0	*See Letter	
		SWN Production Company, LLC Beluah K. Mackey, a widow	TH Exploration, LLC	19.00%	936/455	
		TH Exploration, LLC	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Carolyn K. Stowe, a married woman dealing in	TH Exploration, LLC	19.00%	952/351	
		her sole and separate property	(17) (20) Validade e anno estado estado altimato entre de la constante de la constante de la constante de la constante de	13.00%		
		TH Exploration, LLC	SWN Production Company, LLC		801	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Rosemary Cain and Robert R. Cain, wife and husband	TH Exploration, LLC	19.00%	936/463	
		TH Exploration, LLC	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Colleen Wells, married dealing in her sole and	SWN Production Company, LLC	18.00%	1234/635	
		separate property		OTTO PERSON		
		SWN Production Company, LLC	Expand Operating, LLC	At least 1/9th no-140/ Code 27 5 9	*See Letter 1131/536	
		Wayne E. Burley, a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	*See Letter	
		SWN Production Company, LLC Westhawk Minerals, LLC, by Lester A. Zitkus,	Expand Operating, LLC	1.1 1220 MICE VILLE		
		Senior Vice President of Land	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1156/499	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
9	7-23-24	Royalty Owners	N/A	N/A	N/A	9.7222229
		Estate of Betty Arlene McCuskey, by Peter John				
		McCuskey, Executor of the Estate of Betty		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		Arlene McCuskey; and Peter McCuskey, a/k/a Peter John McCuskey, a married man dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1065/75	
		his sole and separate property, individually, as				
		sole beneficiary			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC	1979 September Statistical in Statistical		
		Casper E. Cline, III and Nancy Cline, husband and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/541	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Brooke D. Link, f/k/a Brooke McCuskey, a/k/a			9200000	
		Brooke Daniel McCuskey, a married woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1066/617	
		dealing in her sole and separate property	Support Operation 115		*See Letter	
		SWN Production Company, LLC  James W. Moulds and Gail F. Moulds, husband	Expand Operating, LLC			
		James W. Moulus and Gall F. Moulus, nusband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1073/506	
		and wife	SWIN Production company, LLC	Control of the Contro		

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

ract # Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Le by Expand
	Johanna Greenwood, a married man dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1133/81	
	her sole and separate property	Expand Operating, LLC		*See Letter	
	SWN Production Company, LLC Mary Frances Anderson, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1051/213	
	SWN Production Company, LLC	Expand Operating, LLC	At least 1/our per WV Code 22-0-0	*See Letter	
	Mike McCuskey, a/k/a Michael Paul McCuskey,	expand operating, ele		occ setter	
	and the second state of the second	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1065/82	
	property				
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Sitio Appalachia, LLC	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1169/138	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Richard Helffrich, a married man dealing in his	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/510	
	sole and separate property	SWIN Production Company, LLC	At least 1/our per WV code 22-0-0		
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Robert L. Moulds, a married man dealing in his	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1059/560	
	sole and separate property		vicesianc v		
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	George Platt, Individually, and as Trustee of The	CONTRACTOR COMPANY II C	64 least 1/9th and MO/ Code 22 5 9	1130/385	
	Mary Gogul Revocable Trust, dated May 21,	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/383	
	1991 SMA Production Company U.C.	Expand Operating, LLC		*See Letter	
	SWN Production Company, LLC	expand Operating, LCC		See better	
	Bill McCuskey, a/k/a William Charles McCuskey	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1064/309	
	and Deena L. McCuskey, husband and wife	orriving action company, and			
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Gretchen Helffrich Zavala, a married woman			4422/277	
	dealing in her sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1132/377	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
10 7-23-3	Royalty Owners	N/A	N/A	N/A	9.722222
	Estate of Betty Arlene McCuskey, by Peter John				
	McCuskey, Executor of the Estate of Betty				
	Arlene McCuskey; and Peter McCuskey, a/k/a	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1065/75	
	Peter John McCuskey, a married man dealing in		acceptable to a second		
	his sole and separate property, individually, as				
	sole beneficiary	5		*See Letter	
	SWN Production Company, LLC	Expand Operating, LLC			
	Casper E. Cline, III and Nancy Cline, husband and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/541	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Brooke D. Link, f/k/a Brooke McCuskey, a/k/a	Expand Operating, LLC			
	Brooke Daniel McCuskey, a married woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1066/617	
	dealing in her sole and separate property	0. To 0. To 10. To 17. TO			
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	James W. Moulds and Gail F. Moulds, husband		At least 1/8th per WV Code 22-6-8	1073/506	
	and wife	SWN Production Company, LLC	At least 1/801 per WV Code 22-0-8	S S S S S S S S S S S S S S S S S S S	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Johanna Greenwood, a married man dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1133/81	
	her sole and separate property	Jivit / roddcton company, and			
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Mary Frances Anderson, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1051/213	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Mike McCuskey, a/k/a Michael Paul McCuskey,				
	a married man dealing in his sole and separate	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1065/82	
	property			*See Letter	
	SWN Production Company, LLC	Expand Operating, LLC	As least 1/0sh are 100/0-1-20 00		
	Sitio Appalachia, LLC	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1169/138	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Richard Helffrich, a married man dealing in his	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/510	
	sole and separate property			*See Letter	
	SWN Production Company, LLC	Expand Operating, LLC			
	Robert L. Moulds, a married man dealing in his sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1059/560	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	George Platt, Individually, and as Trustee of The				
	Mary Gogul Revocable Trust, dated May 21,	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/385	
	1991	5-5			
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			CONTROL OF THE SAME OF THE SAME ASSESSMENT OF THE SAME	0020252-94000-0-1	
	Bill McCuskey, a/k/a William Charles McCuskey	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1064/309	
	and Deena L. McCuskey, husband and wife			197 2758	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			At least 1/8th per WV Code 22-6-8	1132/377	
	Gretchen Helffrich Zavala, a married woman	SWN Production Company, LLC	At least 1/bth bel MA Cone 55-0-0		
	dealing in her sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-0-8		
		SWN Production Company, LLC  Expand Operating, LLC	N/A	*See Letter	63.75000

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

Tract#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest N by Exp
		The Interstate Pipe & Supply Company	Okmar Oil Company, a Co-Partnership comprised of Robert-AB, L.P., Denlake, L.P.		583/379	
			and TSJ Investments, L.P.		15/25/4	
		Okmar Oil Company	Buckeye Oil Producing Company		13/641	
		Buckeye Oil Producing Company	SWN Production Company, LLC		51/443	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
12	7-22-5	Christine L. Dunham aka Christine Lee Dunham, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1165/76	
		SWN Production Company, LLC Jill Spear fka Jill Rankine Dunham, a married	Expand Operating, LLC		*See Letter	
		woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1165/311	
		SWN Production Company, LLC Kimberly D. Kuehl fka Kimberly Dunham, a	Expand Operating, LLC		*See Letter	
		married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1165/81	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
13	7-22-4	Jenco Energy, LLC by Chris Campisi, Manager	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1136/417	0.0000
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ridgetop TEN LLC, by Bradley J. Carpenter,	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1136/415	
		Manager SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Raiph N. Evans Heirs, LLC	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1148/283	
		SWN Production Company, LLC	Expand Operating, LLC	constitution of the first firs	*See Letter	
	2.75.10	SWN Production Company, LLC (Company	AND THE SAME ASSESSMENT OF THE SAME ASSESSMEN	At least 1/8th per WV Code 22-6-8	1143/692	0.0000
14	7-25-10	owned minerals)	N/A	At least 1/6th per WV Code 22-0-8	2000	5.5500
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Robert C. Morgan and Vickie L. Morgan,				
		husband and wife, as joint tenants with with right of survivorship and not as tenants in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	964/52	
		common				
		SWN Production Company, LLC Robert C. Morgan and Vickie L. Morgan,	Expand Operating, LLC		*See Letter	
		husband and wife, as joint tenants with with	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	945/432	
		right of survivorship and not as tenants in	SVIN Production company, and	The following out yet 111 out of all the	*.oa*.	
		common				
			Evened Operating LLC		*See Letter	
16	7,25,81	SWN Production Company, LLC	Expand Operating, LLC	N/A	*See Letter	41.666
15	7-25-8.1		N/A	N/A	N/A	41,666
15	7-25-8.1	SWN Production Company, LLC Royalty Owners	N/A The Manufacturers Light and Heat Company	N/A At least 1/8th per WV Code 22-6-8	N/A 353/133	41.666
15	7-25-8.1	SWN Production Company, LLC Royalty Owners R. W. Evans and Nellie Evans, his wife; G. W.	N/A	SCHOOL COLUMN TO THE SECOND TO	N/A 353/133 422/204	41.666
15	7-25-8.1	SWN Production Company, LLC  Royalty Owners  R. W. Evans and Nellie Evans, his wife; G. W.  Clark and Mary Clark, his wife	N/A  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.	SCHOOL COLUMN TO THE SECOND TO	N/A 353/133 422/204 662/332	41.666
15	7-25-8.1	SWN Production Company, LLC  Royalty Owners R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C.	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	SCHOOL COLUMN TO THE SECOND TO	N/A 353/133 422/204 662/332 33/110	41.666
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15	7-25-8.1	Ryalty Owners R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith afk/a Justina Marie Hendrickson, a married woman	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter	41.666
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15	7-25-8.1	R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter	41.666
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15	7-25-8.1	Ryalty Owners R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1229/41 *See Letter	41.666
15	7-25-8.1	R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1129/41 *See Letter 1129/41 *See Letter 1146/17 *See Letter	41.666
15	7-25-8.1	R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1129/41 *See Letter 1146/17 *See Letter 1146/17 *See Letter	41.666
		R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1129/41 *See Letter Pending *See Letter 1146/17 *See Letter 1146/17 *See Letter	
15	7-25-8.1	R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC LLC	At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1129/41 *See Letter 1146/17 *See Letter 1146/17 *See Letter	41.666
		Ryalty Owners R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith afk/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Jana V. Speer, afk/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners Brenda J. Atkinson, single	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC LLC	At least 1/8th per WV Code 22-6-8	N/A 353/133 422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1129/41 *See Letter Pending *See Letter 1129/41 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1142/354 *See Letter	
		Ryalty Owners R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Ir., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Bina V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners Brenda J. Atkinson, single Chesapeake Appalachia, L.L.C.	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	N/A  353/133  422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 129/41 *See Letter 1214/46/17 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1147/354 *See Letter	
		R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners Brenda J. Atkinson, single Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC LLC	At least 1/8th per WV Code 22-6-8	N/A  353/133  422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1142/359 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1147/354 *See Letter 1147/354 *See Letter 1147/354	
16	7-25-9	R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Wilma Jean Ling, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners Brenda J. Atkinson, single Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chestnut Holdings, Inc.	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A  353/133  422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending  *See Letter 1147/647 *See Letter 1142/359 *See Letter 1146/17 *See Letter 1142/354 *See Letter 1142/354 *See Letter	
16	7-25-9	R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith a/k/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners Brenda J. Atkinson, single Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A  353/133  422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1129/41 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1147/354 *See Letter 1148/17 *See Letter 1142/354 *See Letter 1142/354	
	7-25-9	Ryalty Owners R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Dennis V. DiNarda, a single man SWN Production Company, LLC Justina M. Smith afk/a Justina Marie Hendrickson, a married woman SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., a widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, a single man SWN Production Company, LLC Jana V. Speer, afk/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling & Ronald E. Sterling, wife and husband SWN Production Company, LLC Royalty Owners Brenda J. Atkinson, single Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chestrut Holdings, Inc.	N/A  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	N/A  353/133  422/204 662/332 33/110 *See Letter 1145/7 *See Letter 1144/740 *See Letter Pending *See Letter 1147/647 *See Letter 1142/359 *See Letter 1142/359 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1146/354 *See Letter 1147/354 *See Letter 1148/354 *See Letter 115/366 33/110 *See Letter 115/366 33/110 *See Letter	

OCT 14 2025

WV Department of Environmental Protection

#### EXHIBIT "A" Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

ract # Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not L by Expand
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	The Hostetler Family Trust dated January 31,	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	690/273	
	1989, by Kenneth L. Hostetler, acting Trustee Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
	SWN Production Company, LLC	Expand Operating, LLC		33/110	
	Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a			*See Letter	
	married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/243	
	property				
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/248	
	woman Chesapeake Appalachia, L.L.C.				
	SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC		33/110	
	Stephen Thomas Uhler, a/k/a Stephen T. Uhler,	Expand Operating, LCC		*See Letter	
	a single man	Chesapeake Appalachía, L.L.C.	At least 1/8th per WV Code 22-6-8	706/252	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Leslie A. Marshall, a/k/a Leslie Ann Marshall,	C. St. Co. St.			
	f/k/a Leslie A. Uhler	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/256	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
Windless Co.	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
7-25-7	Royalty Owners	N/A	N/A	N/A	4.1666679
	Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Chestnut Holdings, Inc.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1122/401	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Nancy B. Divita, a married woman dealin gin her	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1158/660	
	sole and separate property				
	SWN Production Company, LLC The Hostetler Family Trust dated January 31,	Expand Operating, LLC		*See Letter	
	1989, by Kenneth L. Hostetler, acting Trustee	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	690/273	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a				
	married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/243	
	property				
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/248	
	woman	SIA/N Production Company LLC		32/110	
	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	SWN Production Company, LLC		33/110	
	Stephen Thomas Uhler, a/k/a Stephen T. Uhler,	Expand Operating, LLC		*See Letter	
	a single man	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/252	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Leslie A. Marshall, a/k/a Leslie Ann Marshall,	Character Association 1.1.5	44 l 1 /04 107 C- 1- 33 C 0	705/255	
	f/k/a Leslie A. Uhler	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/256	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
8 7-25-4	Royalty Owners	N/A	N/A	N/A	4.1666679
	Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Chestnut Holdings, Inc.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1122/401	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Nancy B. Divita, a married woman dealin gin her	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1158/660	
	sole and separate property SWN Production Company, LLC	Expand Operating 11C	The second second of the second secon		
	The Hostetler Family Trust dated January 31,	Expand Operating, LLC		*See Letter	
	1989, by Kenneth L. Hostetler, acting Trustee	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	690/273	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a				
	married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/243	
	property			702F4371-571-56	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	5WN Production Company, LLC	Expand Operating, LLC		*See Letter	
	Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/248	
	woman				
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	SWN Production Company, LLC	Expand Operating, LLC		*See Letter	

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

ract#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Leas by Expand
		Stephen Thomas Uhler, a/k/a Stephen T. Uhler,	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/252	
		a single man Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
			Expand Operating, LLC		*See Letter	
		Lectie A Marchall a/k/a Lectie Ann Marchall		111-11/01		
		f/k/a Leslie A. Uhler	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/256	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
			Expand Operating, LLC		*See Letter	_
19	7-20-32		SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/232	4.166667%
			SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/232 *See Letter	
		SWN Production Company, LLC Brenda J. Atkinson, single	Expand Operating, LLC Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
			SWN Production Company, LLC	Actess your per 111 code 22 o o	33/110	
			Expand Operating, LLC		*See Letter	
			SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1122/401	
			Expand Operating, LLC		*See Letter	
		Nancy B. Divita, a married woman dealin gin her	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1158/660	
		sole and separate property		ACTES TOOL DEL TIT CODE EE O O		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		The Hostetler Family Trust dated January 31, 1989, by Kenneth L. Hostetler, acting Trustee	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	690/273	
		그래 하기 하기 때 기계에서 가지 않는 것이 되었다면 하게 되었다면 사이지 않는데 하고 있다고 있다.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a				
			Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/243	
		property			22/440	
			SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/248	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Stephen Thomas Uhler, a/k/a Stephen T. Uhler,	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/252	
		a single man		Action and the second		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110 *See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Letter	
		Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/256	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
20		Royalty Owners	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/232	4.166667%
	7-20-26.1			44 1-14 4 /04h 140/ Code 22 C 0		
	7-20-26.1	AMP IV, LP	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/232	
	7-20-26.1	AMP IV, LP SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-0-8	1130/232 *See Letter	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband		At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8		
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife	Expand Operating, LLC SWN Production Company, LLC		*See Letter 844/337	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife	Expand Operating, LLC SWN Production Company, LLC		*See Letter 844/337	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter 1040/242	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter 1040/242 *See Letter 919/345	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter 1040/242 *See Letter	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Beth Ann Mysliwiec-Andlinger, a married	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter 1040/242 *See Letter 919/345 *See Letter	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter 844/337 *See Letter 1040/242 *See Letter 919/345	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Beth Ann Mysliwiec-Andlinger, a married	Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property  SWN Production Company, LLC  Beulah Kathleen Mackey, a widow	Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Beth Ann Mysilwiec-Andlinger, a married woman dealing in her sole and separate property  SWN Production Company, LLC	Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her	Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysilwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110  *See Letter	
	7-20-26.1	SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Andrew F. Wood, a married man dealing in his sole and separate property  SWN Production Company, LLC  Ammon A. Burley and Flora J. Burley, husband and wife  SWN Production Company, LLC  Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property  SWN Production Company, LLC  Beulah Kathleen Mackey, a widow  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Carolyn Stowe, a married woman dealing in her sole and separate property  SWN Production Company, LLC	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110  *See Letter  1038/401	
	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysilwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110  *See Letter  1038/401  *See Letter	
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	7-20-26.1	SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property SWN Production Company, LLC Charles F. Geho, a widower Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  Chesapeake Appalachia, LLC  Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110  *See Letter  685/373  33/110  *See Letter  695/507  33/110  *See Letter	
		SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property SWN Production Company, LLC Charles F. Geho, a widower Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110  *See Letter  1038/401  *See Letter  685/373  33/110  *See Letter  695/507  33/110	
CEIVED oil and		SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Ammon A. Burley and Flora J. Burley, husband and wife SWN Production Company, LLC Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate property SWN Production Company, LLC Beulah Kathleen Mackey, a widow Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property SWN Production Company, LLC Charles F. Geho, a widower Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Darrel Kerns, a/k/a Darrel Wayne Kerns, a married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, LLC  SWN Production Company, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter  844/337  *See Letter  1040/242  *See Letter  919/345  *See Letter  957/555  *See Letter  685/231  33/110  *See Letter  685/373  33/110  *See Letter  695/507  33/110  *See Letter	

OCT 14 2025

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WV Department of Environmental Protection

# Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

Tract #	Tex Parcel	Lessor	Lesson	Royalty	BK/PG	% interest Not Leased by Expend
		Donald Marlin Watkins, a/k/a Marlin Watkins, a				
		married man dealing in his sole and separate	Chesapeaire Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/365	
		property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, ILC	Expand Operating, LLC		*See Letter	
		Donald Scott Conaway, a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/629	
		SWN Production Company, LLC	Expand Operating, LLC		"See Letter	
		Dorothy Maxine Katzmeyer and Paul Richard	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/126	
		Katzmeyer, her husband				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Elizabeth Ann Caln, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/235	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband		At least 1/8th per WV Code 22-6-8	919/345	
		and wife	SWN Production Company, LLC	At least 2 but per 111 Code 22-1-0		
		SWN Production Company, U.C.	Expand Operating, U.C		*See Letter	
		Margery Jeanette Hale, a widow	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/104	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC	At land 1/8th	*See Letter	
		John F. Yeager and Gertrud Yeager, his wife	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	693/566 33/110	
		Chesapeake Appalachia, L.E.C.	SWN Production Company, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Ferrei	
		Robert Burley, a single man; Barbara J. Burley, a	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	688/112	
		single woman; Wayne E. Burley, a single man	and the state of t			
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		#See Letter	
		Hulda Marie Gilbertson-Wayt, a/k/a Hilda Marie				
		Gilbertson-Wayt, a married woman dealing in				
		her sole and separate property (Life Estate	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	708/118	
		Interest) and Kimberly Ann Wayt, a single woman, and Kerry Dean Wayt, a single woman				
		(Remainder Interest)				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, U.C.	Expand Operating, LLC		"See Letter	
		Jana Lynn Robbins	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/561	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		and wife			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
		John Wanchick, a married man dealing in his sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/644	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		John Yeager and Linda S. Yeager, his wife	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	692/222	
•		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Edward L. Conaway, a single man	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	694/21	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Kathy Watkins Hoopes, a/k/a Kathy J. Hoopes,				
		a/k/a Kathy Hoopes, a married woman dealing	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/3 <del>69</del>	
1		in her sole and separate property				
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		and wife	<b>5 Will Production Company, LLC</b>	At least tradition for the court at the	•	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Susan Smurthwaite, a married woman dealing	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	688/172	
		in her sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Emand Operating, LLC		*See Letter	
		L Gene Gray and Joan V. Gray, husband and	· · · ·	At least 1/8th per WV Code 22-6-8	961/189	
1		wife	SWN Production Company, LLC	wt select from her and code 11-9-9	-	
1		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
Ī		Margery Jeanette Hale, a widow	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/104	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
1		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
1		Mary Lou Rubini, f/k/a Mary Lou Bleim, a	Character to the balls 110	to leave 1/8th new UNI Code 22 C P	587/130	
		married woman dealing in her sole and	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	QQ1 J 130	
ĺ		separate property Charamake Angalachia ( ) C	SWN Production Company, LLC		33/110	
ļ		Chesapeake Appalachia, L.L.C. SWM Production Company, U.C.	Expand Operating, U.C.		*See Letter	
1		SWN Production Company, LLC	Expend Operang, LC			

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Tract #	Tex Parcel	Lessor	Lacage	Royalty	SK/PG	% interest Not Lasse by Expend
		Ammon A. Burley and Flora J. Burley, husband and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Michael Wanchick, a married man dealing in his	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	935/291	
		sole and separate property		At least 4 doi per to 4 Court 22-0-th		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Patricia Loy, a/k/a Elsie Patricia Loy, a married woman dealing in her sole and separate	Chesapeake Appelachia, LLC	At least 1/8th per WV Code 22-6-8	586/229	
		property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Richard J. McHenry, Sr.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	951/287	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Robert W. Conaway, Jr., a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/636	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Edward L. Conaway, a single man	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	<del>694</del> /21	
		Chesapeake Appalachia, LLC.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, U.C		"See Letter	
		Ronald W. Conaway, a married man dealing in	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	694/336	
		his sole and separate property Chasenaska Annalachia I. I. C.	SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Rosemary Cain, a married woman dealing in her				
		sole and separate property	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/227	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sharon Neala Barrett Zeppernick, a/k/a Sharon	•			
		N. Zeppernick, a/k/a Sharon Neala Zeppernick,	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	689/188	
		a married woman dealing in her sole and	Cresapeane Appearcing, LLC	At 1251 1/601 per WY COUR 22-0-0	009/100	
		separate property				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Stone Hill Minerals Holdings, LLC	TH Exploration, LLC	At least 1/8th per WV Code 22-6-8	894/489	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Betty J. Burley, a widow	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	691/21	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110 *See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		-see Letter	
		Marguerite Kaczorowski, a/k/a Marguerite Jean Kaczorowski, a married woman dealing in her	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/112	
		sole and separate property	Concession representatives and	THE ADDITION OF THE PERSON OF	00.7.222	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Thomas David Conaway, a married man dealing	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1045/629	
		In his sole and separate property		At least that her was code 22-0-0		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		and wife				
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Karen J. Jones, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	688/176	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Doris St. John, a single woman	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/108	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		"See Letter	
		Chestnut Holdings, Inc.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1122/401	
		SWN Production Company, LLC	Expand Operating, LLC	•	*See Letter	
		Nancy B. Divita	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/99	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		The Hostetler Family Trust dated January 31,	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	690/273	
		1989, by Kenneth L. Hostetier, acting Trustee		CONTRACTOR PORT TEL COURT CE CO		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		5WN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
		A	SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C.				
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a		An least of Parks are 1871 for de 197 for a		
		SWN Production Company, LLC Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a married man dealing in his sole and separate	-	At least 1/8th per WV Code 22-6-8	706/243	
		SWN Production Company, LLC Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a		At least 1/8th per WV Code 22-6-8		

# Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

t#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Lea by Expand
	7-20-26	Royalty Owners	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/232	4.166667%
		AMP IV, LP	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1130/232	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband			044/027	
		and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	844/337	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Andrew F. Wood, a married man dealing in his	Thomas about 19			
			SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1040/242	
		sole and separate property	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LCC			
		Ammon A. Burley and Flora J. Burley, husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		and wife	Second Occasion IIIC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		occ series	
		Beth Ann Mysliwiec-Andlinger, a married		At least 1/8th per WV Code 22-6-8	957/555	
		woman dealing in her sole and separate	SWN Production Company, LLC	At least 1/6th per WV Code 22-0-0	337/333	
		property			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
		Beulah Kathleen Mackey, a widow	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/231	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Carolyn Stowe, a married woman dealing in her			4020/404	
			SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1038/401	
		sole and separate property	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC		At least 1/8th per WV Code 22-6-8	685/373	
		Charles F. Geho, a widower	Chesapeake Appalachia, LLC	At least 1/ out per WV code 22-0-0		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Darrel Kerns, a/k/a Darrel Wayne Kerns, a				
		married man dealing in his sole and separate	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	695/507	
		property				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
			Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC	expand operating, ecc			
		Donald Burley and Jacqueline J. Burley, his wife	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/122	
					33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Donald Marlin Watkins, a/k/a Marlin Watkins, a			cor incr	
		married man dealing in his sole and separate	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/365	
		property			9191001000	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Donald Scott Conaway, a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/629	
					*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
		Dorothy Maxine Katzmeyer and Paul Richard	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/126	
		Katzmeyer, her husband			33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Elizabeth Ann Cain, a married woman dealing in	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/235	
		her sole and separate property	Cresapeane reported to a			
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband		As least 1/0th NO/ C-d- 33 C C	919/345	
		and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	313/343	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/104	
		Margery Jeanette Hale, a widow		The reserve of specific that the parties were at a	33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		John F. Yeager and Gertrud Yeager, his wife	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	693/566	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		SALE LIGHTON COMPANY, U.S.	THE TAXABLE PROPERTY.			
		Robert Burley, a single man; Barbara J. Burley,	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	688/112	
		single woman; Wayne E. Burley, a single man	circumptume representation take			
			SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C.			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
		Hulda Marie Gilbertson-Wayt, a/k/a Hilda Mari	e			
		Gilbertson-Wayt, a married woman dealing in				
		her sole and separate property (Life Estate	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	708/118	
		Interest) and Kimberly Ann Wayt, a single	and the same of th	and the control of the state of		
		woman, and Kerry Dean Wayt, a single woman				
		(Remainder Interest)			22.20.2	
			SWN Production Company, LLC		33/110	
		Chesapeake Appalachia, L.L.C.			*See Letter	
		Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Expand Operating, LLC		Dec action	
		SWN Production Company, LLC	Expand Operating, LLC SWIN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/561	
		SWN Production Company, LLC Jana Lynn Robbins	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/561	
ñ		SWN Production Company, LLC Jana Lynn Robbins SWN Production Company, LLC			957/561 *See Letter	
ED and G	335	SWN Production Company, LLC Jana Lynn Robbins	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	957/561	

Office Of Oil and Gas

OCT 14 2025

WV Department of Environmental Protection

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Trect#	Tax Percel	Lasgor	Lasana	Royalty	SK/PG	% Interest Not Leas by Expend
		John Wanchick, a married man dealing in his sole and separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/644	
			Expand Operating, U.C		*See Letter	
		John Yeager and Linda S. Yeager, his wife	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	692/222	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, U.C.	Expand Operating, LLC		"See Letter	
		Edward L. Conaway, a single man	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	<del>594</del> /21	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Kathy Watkins Hoopes, a/k/a Kathy J. Hoopes,				
			Chesapeake Appalachia, U.C.	At least 1/8th per WV Code 22-6-8	685/369	
		in her sole and separate property		•		
		Chesapeake Appalechia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband	· · · -			
		and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		SWN Production Company, LLC	Expand Operating, LLC		"See Letter	
		Susan Smurthwaite, a married woman dealing	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	688/172	
		in her sole and separate property	•	Access a doct per vv a doct and a		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		L. Gene Gray and Joan V. Gray, husband and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	961/189	
		wife	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC	· · ·	At least 1/8th per WV Code 22-6-8	687/104	
		Margery Jeanette Hale, a widow	Chesapeake Appalachia, LLC SWN Production Company, LLC	Witness Homber and Charles to a	33/110	
		Chesapesice Appalachia, L.L.C.	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC  Mary Lou Rubird, f/k/a Mary Lou Bleim, a	expans operating, LLC		344 2444	
		married woman dealing in her sole and	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	587/130	
		separate property	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	919/345	
		and wife		,	-	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Michael Wanchick, a married man dealing in his	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	935/291	
		sole and separate property	Expand Operating, LLC		*See Letter	
		SWN Production Company, LLC Patricia Loy, a/k/a Elsie Patricia Loy, a married	Expans operating, u.c.		200 00000	
		woman dealing in her sole and separate	Chesaponke Appalachia, LLC	At least 1/8th per WV Code 22-6-8	686/229	
		property	•			
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Richard J. McHenry, Sr.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	951/287	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Robert W. Conaway, Jr., a single man	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	932/636	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Edward L. Conaway, a single man	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	694/21	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ronald W. Conaway, a married man dealing in	Chesapealre Appelachia, LLC	At least 1/8th per WV Code 22-6-8	694/336	
		his sole and separate property			33/110	
		Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC		*See Letter	
		Rosemary Cain, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	685/227	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sharon Nesia Barrett Zeppernick, a/k/a Sharon				
		N. Zeppernick, a/k/a Sharon Neala Zeppernick,	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	689/188	
		a married woman dealing in her sole and	an enterprise contract contract and angle			
		separate property	CIANA Bandarakian Communication 11 C		33/110	
		Chesapeake Appalachia, LLC.	SWN Production Company, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	894/489	
		Stone Hill Minerals Holdings, LLC	TH Exploration, LLC	WEST TAND NO. MA COME ST. 4-0	33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC	41 least 1/8th ner 186/ Code 23 6 9	691/21	
		Betty J. Buriey, a widow	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Cetter	
		Marguerite Kaczorowski, a/k/a Marguerite Jean		At least 1/8th per WV Code 22-6-8	687/112	
		Passace of a married course dealles is has				
		Kaczorowski, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	Parent Adulye, 117 Cool 22 00	22.,222	

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

ract#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Le by Expand
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Thomas David Conaway, a married man dealing	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1045/629	
		in his sole and separate property SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Ammon A. Burley and Flora J. Burley, husband	10 0 75	At 1 1/0th UB/ Cod- 22 6 0	919/345	
		and wife	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	5000 Months	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Karen J. Jones, a married woman dealing in her	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	688/176	
		sole and separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Doris St. John, a single woman	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	687/108	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Chestnut Holdings, Inc.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1122/401	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Nancy B. Divita	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/99	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		The Hostetler Family Trust dated January 31,	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	690/273	
		1989, by Kenneth L. Hostetler, acting Trustee		ಂಪರಾಯವರಾಯ ಕ್ರಾಪ್ ಕ್ರಾಪ್ ಕ್ರಾಪ್ (21) ನಿಂತಪ್ರವನ್ನು ಸರ್ವಂತ್ (2)		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110 *See Letter	
		SWN Production Company, LLC	Expand Operating, LLC	At least 1 /9th as 180 Cade 33 C S	*See Letter 715/376	
		Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Letter	
		Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a married man dealing in his sole and separate	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	706/243	
		property	Characteristics and the charac	•	0.000	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
22	7-20-37	Royalty Owners	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/37	4.166667
		AMP IV, LP	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/37	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sheri L. Evraets, married dealing in her sole and	SWN Production Company, LLC	At least 1/8th per WV Code 22-5-8	1219/238	
		separate property			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		See Letter	
		Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a		At least 1/8th ner WV Code 22-6-8	706/243	
		married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	706/243	
		married man dealing in his sole and separate property		At least 1/8th per WV Code 22-6-8	706/243 33/110	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8		
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC		33/110 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC		33/110 *See Letter 706/248 33/110	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC Chesapeake Appalachia, L.L.C.		33/110 *See Letter 706/248	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler,	Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC		33/110 *See Letter 706/248 33/110	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man	Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C.	Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC.	Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall,	Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler	Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachía, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property SWN Production Company, LLC Andrew F. Wood, a married man dealing in his	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter 1228/18 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter 1228/18 *See Letter 1040/242 *See Letter	
		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter 1228/18 *See Letter	
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		married man dealing in his sole and separate property Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single woman Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Stephen Thomas Uhler, a/k/a Stephen T. Uhler, a single man Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Leslie A. Marshall, a/k/a Leslie Ann Marshall, f/k/a Leslie A. Uhler Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Nancy B. Divita, married dealing in her sole and separate property SWN Production Company, LLC Andrew F. Wood, a married man dealing in his sole and separate property SWN Production Company, LLC Carolyn Stowe, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/110 *See Letter 706/248 33/110 *See Letter 706/252 33/110 *See Letter 706/256 33/110 *See Letter 1228/18 *See Letter 1040/242 *See Letter 1038/401	
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# Vernon Johnson WTZ 405H

#### Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

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L. Gene Gray and Joan V. Gray, husband and wife  SWN Production Company, LLC.  At least 1/8th per WV Code 22-6-8  961/189  987/195  SWN Production Company, LLC  Hukida Marie Gilbertson-Wayt, a Married woman dealing in her sole and separate property (Life Estate interest) and Kimberly Ann Wayt, a single woman, and Kerry Dean Wayt, a single woman (Remainder interest)  Chesapeake Appalachia, LLC.  SWN Production Company, LLC.  At least 1/8th per WV Code 22-6-8  708/118	
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Huida Marie Gilbertson-Wayt, a/k/a Hilda Marie Gilbertson-Wayt, a married woman dealing in her sole and separate property [Life Estate Interest) and Kimberly Ann Wayt, a single woman, and Kerry Dean Wayt, a single woman, and Kerry Dean Wayt, a single woman (Remainder Interest) Chesapeake Appalachia, LLC.  SWN Production Company, LLC  33/110	
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(Remainder Interest) Chesapeake Appalachia, L.L.C. SWN Production Company, LLC 33/110	
Chesapeake Appalachia, L.L.C. SWN Production Company, LLC 33/110	
Sissan Smurthwalte a married woman dealing	
in her sole and separate property  Chesapeake Appalachia, L.L.C.  At least 1/8th per WV Code 22-6-8  688/172	
Chesapeake Appalachia, L.L.C. SWN Production Company, LLC 33/110	
SWN Production Company, LLC Expand Operating, LLC *See Letter	
Kathy Watkins Hoopes, a/k/a Kathy J. Hoopes,	
a/k/a Kathy Hoopes, a married woman dealing Chesapeake Appalachia, L.L.C. At least 1/8th per WV Code 22-6-8 685/369 In her sole and separate property	
Chesapeake Appalachia, LLC. SWN Production Company, LLC 33/110	
SWN Production Company, LLC Expand Operating, LLC "See Letter  Inhn Yearer and Linda S. Yearer, his wife Chesaceake Aggalachia, LLC. At least 1/8th per WV Code 22-6-8 692/222	
SWN Production Company, LLC Expand Operating, LLC "See Letter    SWN Production Company, LLC   Expand Operating, LLC   See Letter   See	
John Wanchick, a married man dealing in his SWN Production Company, L.L.C. At least 1/8th per WV Code 22-6-8 1019/218	
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# EXHIBIT "A" Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

ract#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Lea by Expand
			Expand Operating, LLC		*See Letter	
		Jana Lynn Robbins, a married woman dealing in	SWN Production Company, L.L.C.	At least 1/8th per WV Code 22-6-8	957/561	
		her sole and separate property				
		John F. Yeager and Gertrud Yeager, his wife	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	693/566	
			SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Elizabeth Ann Cain, a married woman dealing in	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	685/235	
		her sole and separate property			22/212	
			SWN Production Company, LLC		33/110	
			Expand Operating, LLC		*See Letter	
		Dorothy Maxine Katzmeyer and Paul Richard	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	687/126	
		Katzmeyer, her husband			22/240	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Donald Scott Conaway, a single man	SWN Production Company, L.L.C.	At least 1/8th per WV Code 22-6-8	932/629	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Donald Marlin Watkins, a/k/a Marlin Watkins, a			0.00000000	
		married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	685/365	
		property				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
				At least 1/8th per WV Code 22-6-8	687/122	
		Donald Burley and Jacqueline J. Burley, his wife	спезареаке Аррагаспіа, С.С.	Wicese Mani hei MA cone 55-0-0		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Darrel Kerns, a/k/a Darrel Wayne Kerns, a				
		married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	695/507	
		property	Pg - 2.2			
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Charles F. Geho, a widower	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	685/373	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
				At least 1/8th per WV Code 22-6-8	685/231	
		Beulah Kathleen Mackey, a widow	Chesapeake Appalachia, L.L.C.	At least 2/ oth per 111 oode 22 0 0	33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC			
		Chestnut Holdings, Inc.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1060/512	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Beth Ann Mysliwiec-Andlinger, a married			057/555	
		Beth Ann Mysliwiec-Andlinger, a married woman dealing in her sole and separate	SWN Production Company, L.L.C.	At least 1/8th per WV Code 22-6-8	957/555	
				At least 1/8th per WV Code 22-6-8		
		woman dealing in her sole and separate	Expand Operating, LLC		*See Letter	20 2702709
23	7-20-24	woman dealing in her sole and separate property		At least 1/8th per WV Code 22-6-8		20.3703709
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC	Expand Operating, LLC N/A		*See Letter	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife	Expand Operating, LLC N/A	N/A	*See Letter N/A	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H.	Expand Operating, LLC N/A	N/A	*See Letter N/A	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving	Expand Operating, LLC N/A E. H. Jennings & Brothers	N/A	*See Letter N/A	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan	Expand Operating, LLC N/A E. H. Jennings & Brothers Jennings Oil Company	N/A	*See Letter N/A 95/259	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R.	Expand Operating, LLC N/A E. H. Jennings & Brothers Jennings Oil Company	N/A	*See Letter N/A 95/259 121/193	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan	Expand Operating, LLC N/A E. H. Jennings & Brothers Jennings Oil Company	N/A	*See Letter N/A 95/259	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company	Expand Operating, LLC N/A E. H. Jennings & Brothers Jennings Oil Company	N/A	*See Letter N/A 95/259 121/193	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Bros. Company	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation	N/A	*See Letter N/A 95/259 121/193 205/26	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.	N/A	*See Letter N/A 95/259 121/193 205/26 2/64	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings and John G. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc.	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company	N/A	*See Letter N/A 95/259 121/193 205/26 2/64 2/70 2/400	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners  J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Dil Company Lennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation	N/A	*See Letter N/A 95/259 121/193 205/26 2/64 2/70 2/400 422/204	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.	N/A	*See Letter N/A 95/259 121/193 205/26 2/64 2/70 2/400 422/204 662/332	20.370370
23	7-20-24	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C.	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	N/A	*See Letter N/A 95/259 121/193 205/26 2/64 2/70 2/400 422/204 662/332 33/424	20.370370
223		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc  The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	N/A At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259 121/193 205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter	
	7-20-24 7-20-25	woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transnission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A	N/A At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  N/A  SWN Production Company, LLC	N/A At least 1/8th per WV Code 22-6-8  N/A At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC	N/A At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings of E. H. Jennings & Brothers, and Evan D. Jennings Oil Company E. H. Jennings Oil Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  N/A  SWN Production Company, LLC	N/A At least 1/8th per WV Code 22-6-8  N/A At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC	N/A At least 1/8th per WV Code 22-6-8  N/A At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229	20.370370
223		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter	20.3703709 20.370370 4.1666679
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Carolline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H.	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company  Quaker State Oil Refining Corporation  Denver Oil & Gas Company, Inc.  The Manufacturers Light and Heat Company  Columbia Gas Transmission Corporation  Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC  Expand Operating, LLC  SWN Production Company, LLC  SWN Production Company, LLC  SWN Production Company, LLC  Expand Operating, LLC  Expand Operating, LLC	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC SWN Production Company, LLC Expand Operating, LLC	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company E. H. Jennings Oil Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC E. H. Jennings & Brothers	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter 95/259	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC E. H. Jennings & Brothers	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter 95/259	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company E. H. Jennings Oil Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R M. Jennings, as Administrator of The Estate of R M. Jennings	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC SWN Production Company, LLC Expand Operating, LLC	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter 95/259	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R M. Jennings Jennings Jennings Oil Company	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC  N/A  SWN Production Company, LLC Expand Operating, LLC  Expand Operating, LLC	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 1130/229 *See Letter 95/259	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Oil Company E. H. Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R M. Jennings Jennings Oil Company E. H. Jennings Bros. Company	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC Expand Operating, LLC E. H. Jennings & Brothers  Jennings Oil Company Quaker State Oil Refining Corporation	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*5ee Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *5ee Letter N/A 1130/229 1130/229 121/193	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC  N/A  SWN Production Company, LLC Expand Operating, LLC  E. H. Jennings & Brothers  Jennings Oil Company  Letter Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc.	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 130/229 *See Letter 95/259  121/193	20.370370
		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners  J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, and Evan D. Jennings, and Evan D. Jennings & Brothers, and Evan D. Jennings Bros. Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R M. Jennings Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc.	Expand Operating, LLC N/A E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC EXPAND OPERATION OF THE STATE OF TH	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 *See Letter 95/259  121/193  205/26 2/64 2/70 2/400	20.370370
24		woman dealing in her sole and separate property SWN Production Company, LLC Royalty Owners J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings, and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R. M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Royalty Owners Royalty Owners AMP IV, LP SWN Production Company, LLC J. N. Crim and Caroline Crim, husband and wife E. H. Jennings; John G. Jennings; and E. H. Jennings and John G. Jennings, surviving partners of E. H. Jennings & Brothers, and Evan D. Jennings, as Administrator of The Estate of R M. Jennings Jennings Oil Company E. H. Jennings Bros. Company Quaker State Oil Refining Corporation	Expand Operating, LLC  N/A  E. H. Jennings & Brothers  Jennings Oil Company  E. H. Jennings Bros. Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC  N/A  SWN Production Company, LLC Expand Operating, LLC  E. H. Jennings & Brothers  Jennings Oil Company  Letter Company Quaker State Oil Refining Corporation Denver Oil & Gas Company, Inc.	N/A  At least 1/8th per WV Code 22-6-8  N/A  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	*See Letter N/A 95/259  121/193  205/26 2/64 2/70 2/400 422/204 662/332 33/424 *See Letter N/A 1130/229 130/229 *See Letter 95/259  121/193	20.370370

# Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

ract #	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Le
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/424	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			SWN Production Company, LLC (Affidavit of			
		AMP IV, LP	Statutory Compliance Cotenancy Modernization and	At least 1/8th per WV Code 22-6-8	1130/229	
			Majority Protection Act)			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1122/401	
		[1981 기업을 열어 열어 (1981 H. 1982 H.		At least 1/out per WV Code 22-0-0		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sheri L. Evraets, a married woman dealing in her	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1123/231	
		sole and separate property			220000000	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Nancy B. Divita	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1131/99	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Brenda J. Atkinson, single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	715/376	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			Expello Operating, EEC		out terrer	
		Lawrence Paul Uhler, a/k/a Lawrence P. Uhler, a married man dealing in his sole and separate	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	706/243	
		property				
			SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Lynn Marie Uhler, a/k/a Lynn M. Uhler, a single	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	706/248	
		woman	Consupress Appeleutile, LLC	THE REST AND MIT HE WAY COME 22-0-8	1001240	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Stephen Thomas Uhier, a/k/a Stephen T. Uhler,				
		a single man	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	706/252	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
			Expand Operating, LEC		occ certer	
		Leslie A. Marshall, a/k/a Leslie Ann Marshall,	Chesapeake Appalachia, LLC	At least 1/8th per WV Code 22-6-8	706/256	
		f/k/a Leslie A. Uhler	5000 P. J. W. S.		33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
25	7-20-23	Harry E. Hoffman and Madge Hoffman,	The Manufacturers Light and Heat Company	At least 1/8th per WV Code 22-6-8	209/184	
		husband and wife, and Mary Hoffman		The state of the s		
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Character Association 1.1.C			
		Colditible das Transmission Corporation	Chesapeake Appalachia, L.L.C.		662/332	
			SWN Production Company, LLC		33/424	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/424	
1	7.25.0	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC	N/A	33/424 *See Letter	41.666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners	SWN Production Company, LLC Expand Operating, LLC N/A	N/A	33/424 *See Letter N/A	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC	N/A At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC N/A		33/424 *See Letter N/A	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W.	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company		33/424 *See Letter N/A 1145/7 *See Letter 353/133	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W.	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133	41.666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63	41.666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110	41.666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63	41,666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110	41.666667
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A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie Hendrickson, married SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter	41,666667
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•	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8 At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter	41.666667
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A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Matural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8  At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter	41.666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, alk'a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter 1159/176 *See Letter	41.666667
A	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, alk'a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC Expand Operating, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter 1159/176 *See Letter 1147/647	41.666667
<b>A</b>	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter 1159/176  *See Letter 1147/647 *See Letter	41.666667
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	7-25-8	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, single SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Matural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter 1159/176 *See Letter 1147/647 *See Letter 1129/41 *See Letter 1129/41 *See Letter	41.666667
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		Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, alk'a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, single SWN Production Company, LLC Jana V. Speer, a'k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling and Ronald E. Sterling, wife and husband	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter 1159/176 *See Letter 1147/647 *See Letter 1143/696 *See Letter 1129/41 *See Letter 1146/17 *See Letter 1146/17 *See Letter	
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		Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, alk'a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, single SWN Production Company, LLC Jana V. Speer, a'k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling and Ronald E. Sterling, wife and husband	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Matural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 642/281 650/63 33/110 *See Letter 1144/740 *See Letter 1147/647 *See Letter 1143/696 *See Letter 1143/696 *See Letter 1143/644 *See Letter 1146/17 *See Letter 1146/17 *See Letter 1146/17	41.666667 8,333333 13.988095
		Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Royalty Owners Dennis V. DiNarda SWN Production Company, LLC R. W. Evans and Nellie Evans, his wife; G. W. Clark and Mary Clark, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Justinia M. Smith, a/k/a Justina Marie Hendrickson, married SWN Production Company, LLC Denzil Ray Hibbs and Mary Elizabeth Simpson, Trustees of The Hibbs Family Trust, dated September 22, 2014 SWN Production Company, LLC John S. Long, II, a single man SWN Production Company, LLC Lester Carl Long, Jr., widower SWN Production Company, LLC Wilma Jean Ling, aka Becky Long, widow SWN Production Company, LLC Michael R. Murphy, single SWN Production Company, LLC Jana V. Speer, a/k/a Jana V. Long, married SWN Production Company, LLC Bonnie M. Sterling and Ronald E. Sterling, wife and husband Royalty Owners	SWN Production Company, LLC Expand Operating, LLC N/A SWN Production Company, LLC Expand Operating, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Matural Resources, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Operating, LLC	At least 1/8th per WV Code 22-6-8	33/424 *See Letter N/A 1145/7 *See Letter 353/133 422/204 662/281 650/63 33/110 *See Letter 1144/740 *See Letter 1147/647 *See Letter 1143/696 *See Letter 1129/41 *See Letter 114/647 *See Letter 114/647 *See Letter 114/647 *See Letter 114/647 *See Letter 114/648 *See Letter 114/68	8,333933

#### Vernon Johnson WTZ 405H

#### Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

Fract #	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Lea by Expand
		Anthony Kurtz Jr.	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/63	
		James R. Rex	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/63	
		Hubert V. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1232/63	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Bounty Minerals, LLC, a Texas limited liability	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1192/373	
		company		The field of the first state at the state of		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Frances Elaine Baumbach, a widow dealing in	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	926/251	
		her sole and separate property				
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Giles H. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/539	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Giles H. Meighen	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	957/539	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		H3 LLC, a West Virginia limited liability	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1136/409	
		company		ne least ajour per 111 cour au v		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Sara S. Meighen, a widow	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	955/440	
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Terri K. Heflin, aka Terri K. Stickles, and	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1222/442	
		Joseph L. Heflin, wife and husband	3 W. F. Flodderfoll Collapsity, LLC	The least afour per the code ac-0-0		
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Keiko Meighen, a widow	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-6-8	962/56	
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Margaret L. Meighen, a single woman	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	1163/191	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Patricia Lesnett and Arthur Lessnett, wife and		44 1 1 (Out WAY Cod- 22 C B	974/344	
		husband	SWN Production Company, LLC	At least 1/8th per WV Code 22-6-8	9/4/344	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Thomas J. Meighen, a married man dealing in	American Paralama Partners Countries LLC	At least 1/8th per WV Code 22-6-8	951/474	
		his sole and separate property	American Petroleum Partners Operating, LLC	At least 1/8th per WV Code 22-0-8	931/4/4	
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Nancy Lynn Rex Nantz, dealing in her sole and	SDAIR-Austin Communities	At least 1/8th per WV Code 22-6-8	1232/40	
		separate property	SWN Production Company, LLC	At least 1/8th per WV Code 22-0-8	1232740	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
N	p/o 3-1-2	Sue Ellen Lemley, f/k/a Sue Ellen Prendergast, a married woman dealing in her sole and	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	111A/543	0.000000%
"	p/0 3-1-2	separate property	ancorporate opposition in the			
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Michael J. Prendergast, a single man	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	111A/547	
			SWN Production Company, LLC	At reast at our per 111 Gard and 0	157A/540	
		Chesapeake Appalachia, L.L.C.			*See Letter	
		SWN Production Company, LLC	Expand Operating, LLC		JEC LELLE!	
		Bonnie M. Sterling a/k/a Bonnie Murphy Sterling f/k/a Bonnie M. Murphy a/k/a Bonnie				
A2	7-24-1	Sterling f/k/a Bonnie M. Murphy a/k/a Bonnie Murphy and Ronald E. Sterling, wife and	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	726/515	0.000000%
		husband				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Patricia A. DiNarda, a/k/a Patricia Murphy				
		DiNarda, a/k/a Patricia M. DiNarda, f/k/a		4.1	775/454	
		Patricia M. Murphy and Dennis V. DiNarda, her	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	726/164	
		husband				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Green Dot Farm, Inc.	SWN Production Company, L.L.C.	At least 1/8th per WV Code 22-6-8	919/159	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Jana V. Speer a/k/a Jana Long Speer f/k/a Jana				
		V. Long, a married woman dealing in her sole	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	731/263	
		and separate property				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		John S. Long, II, a married man dealing in his		At least 1 (0th as-110) Code 23 C 0	731/200	
		sole and separate property	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	731/268	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Justina M. Hendrickson, a/k/a Justina Long				
		Hendrickson, a/k/a Tina Hendrickson, f/k/a	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	743/552	
		Justina M. Long, a single woman				
UED.		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	

OCT 14 2025

WV Department of Environmental Protection

#### Vernon Johnson WTZ 405H

# Wetzel and Marshall Counties, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating LLC

ract#	Tax Parcel	Lessor	Lessee	Royalty	BK/PG	% Interest Not Lease by Expand
	NEW TOTAL	Lester Carl Long, Jr. a/k/a Lester Carl Long, a			723/222	
		married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	123/222	
			SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Mary Elaine Hibbs and Denzil R. Hibbs, wife and	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	719/313	
		husband			33/110	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC			
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Michael R. Murphy, a/k/a Michall R. Murphy, a single man	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	725/549	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
		Robert Paul Long, a/k/a Robert P. Long and Wilma J. Long, husband and wife	Chesapeake Appalachia, L.L.C.	At least 1/8th per WV Code 22-6-8	724/526	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	
B2 7-	25-12	Carolyn K. Stowe, a widow	Blue Fossil Resources	At least 1/8th per WV Code 22-6-8	1162/84	0.000000%
		Blue Fossil Resources	SWN Production Company, LLC		51/470	
		SWN Production Company, LLC	Expand Operating, LLC		*See Letter	

Co-Tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernizalton and Majority Protection Act.

Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas conservation Commission

Potentially Impacted Parcels - Parcels that may be impacted during drilling.





SWN Production Company, LLC P O Box 12359 Spring, Texas 77391-2359 www.swn.com

June 13, 2025

Mr. Charles Brewer Assistant Chief Office of Oil and Gas WVDEP 601 57th St SE, Charleston, WV 25304

Dear Mr. Brewer:

Effective as of October 1, 2024, Expand Operating LLC ("EXEO") and SWN Production Company, LLC ("SWNPC"), both being subsidiaries of Expand Energy Corporation, entered into a Management Services Agreement whereby SWNPC authorized EXEO to perform and act as its agent for the purpose of performing certain management services (the "Agreement"). Such Agreement was provided to your office prior to this letter. By entering into the Agreement, it was the intent of SWNPC (i) to grant EXEO the right to extract, produce and market SWNPC's oil and gas, among other rights, and (ii) that the Agreement satisfy the requirements of West Virginia Code §22-6-8(c).

Best regards,

David Wildes

Managing Counsel - Southwest Appalachia

SWN Production Company, LLC



#### MANAGEMENT SERVICES AGREEMENT

This MANAGEMENT SERVICES AGREEMENT (this "Agreement") is entered into on January 1, 2025, but made effective as of October 1, 2024 (the "Effective Date"), by and among Expand Operating LLC, an Oklahoma limited liability company (the "Manager"), SWN Production Company, LLC, a Texas limited liability company ("SWN Production"), SWN Production (Louisiana), LLC, a Texas limited liability company ("SWN Louisiana"), SWN Midstream Services Company, LLC, a Texas limited liability company ("SWN Midstream"), SWN International, LLC, a Delaware limited liability company ("SWN International"), A.W. Realty Company, LLC, a Delaware limited liability company ("A.W."), Expand Water Resources Company LLC, a Texas limited liability company ("Expand Water"), SWN E&P Services, LLC, a Texas limited liability company ("Expand Water"), SWN Production, SWN Louisiana, SWN Midstream, SWN International, A.W. and Expand Water, the "Companies"), and the undersigned direct and indirect subsidiaries of the Companies (each, individually, a "Subsidiary", and, collectively, the "Subsidiaries" and, together with the Companies, the "Company Group"). Manager, the Companies and each Subsidiary may be referred to herein, individually, as a "Party" and, collectively, as the "Parties."

#### RECITALS

WHEREAS, the Company Group collectively owns and operates certain oil and gas, midstream and other properties and businesses;

WHEREAS, the Company Group desires to have the Manager perform, and the Manager desires to perform for and on behalf of the Company Group, the Management Services as more fully set forth herein and in accordance with the terms and conditions hereof; and

WHEREAS, the Company Group desires to formally engage the Manager as its agent for the purpose of performing the Management Services;

NOW, THEREFORE, in consideration of the premises and the mutual covenants, conditions and agreements contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

- 1. <u>Definitions and References</u>. Capitalized terms used throughout this Agreement including the Recitals above and not defined in *Section 1.1* below shall have the respective meanings ascribed to them elsewhere in this Agreement.
  - 1.1. <u>Definitions</u>. The following terms have the respective meanings given in this *Section* 1.1 or in the Section referred to below:

"Affiliate" means, with respect to any Person, any other Person that directly or indirectly (through one or more intermediaries or otherwise) Controls, is Controlled by, or is under common Control with the first Person, provided, however, the Parties specifically acknowledge and agree that for purposes of this Agreement, (a) the Manager will not be deemed to be an Affiliate of any member of the Company



Group, and (b) no member of the Company Group will be deemed to be an Affiliate of the Manager.

"Agreement" means this Agreement, as amended, supplemented or modified from time to time.

"Assets" means all of the assets and properties now owned or hereafter acquired by the Company Group during the Term including, but not limited to, all right, title and interest of the Company Group in and to (a) the Leases; (b) the Wells; (c) tangible personal property, equipment, machinery, inventory, supplies, spare parts, fixtures and improvements owned or otherwise held in connection with any of the Leases or the Wells; (d) unitization, pooling or communitization agreements, declarations or designations or administratively created drilling, spacing and production units; (e) oil, gas, condensate, and other hydrocarbons; (f) fee mineral and royalty interests; (g) surface and subsurface easements, leases, rights-of-way, Permits and servitudes; (h) all contracts, agreements and other arrangements attributable or relating to clauses (a) through (g) above; and (i) all files, records and data related to any of the foregoing.

"A.W." has the meaning specified in the preamble.

"Burdens" means, with respect to an Asset, all royalty interests, overriding royalty interests, net profits interests, production payments, carried interests and similar burdens on or payable out of production from or allocated to such Asset.

"Companies" has the meaning specified in the preamble.

"Company Group" has the meaning specified in the preamble.

"Company Indemnified Parties" has the meaning specified in Section 6.2.

"Confidential Information" means, with respect to a Party, any and all proprietary, financial, commercial, technical, operational or other business information, data or material in written, oral (including by recording), electronic, or visual form (a) disclosed by such Party or its Representatives to another Party or its Representatives or (b) which otherwise comes into the possession of another Party or its Representatives; provided, however, that the following information shall not be considered Confidential Information for purposes of this Agreement: information, data or material that (x) is generally available to or known by the public (other than as a result of its disclosure directly or indirectly by the receiving Party or its Representatives in violation of this Agreement), (y) was known by or in the possession of the receiving Party or its Representatives on a non-confidential basis before being disclosed by the disclosing Party or its Representatives, or (z) was or becomes available to the receiving Party or its Representatives on a non-confidential basis from a source other than the disclosing Party or its Representatives, to the extent that such source is not known by the receiving Party

11/14/2025



or its Representatives to be bound by a confidentiality agreement or subject to a legal or fiduciary obligation with respect to such information, data or material.

"Control" means the possession, directly or indirectly, of the power, directly or indirectly, to direct or cause the direction of the management or policies of the controlled Person, whether through the ownership of equity interests in or voting rights attributable to the equity interests in such Person, by contract or agency, by the general partner of a Person that is a partnership, or otherwise; and "Controls" and "Controlled" have meanings correlative thereto.

"Effective Date" has the meaning specified in the preamble.

"Expand Water" has the meaning specified in the preamble.

"Force Majeure Event" means any cause or event not reasonably within the control of the Party whose performance is sought to be excused thereby including the following causes and events (solely to the extent such causes and events are not reasonably within the control of the Party claiming suspension): acts of God, strikes, lockouts, or other industrial disputes or disturbances, acts of the public enemy, wars, blockades, insurrections, civil disturbances and riots, epidemics, landslides, lightning, earthquakes, fires, tornadoes, hurricanes, storms, floods, washouts and warnings for any of the foregoing which may necessitate the precautionary shut-down of Wells, plants, pipelines, gathering systems, or other related facilities; arrests, orders, directives, restraints and requirements of governments and government agencies, either federal or state, civil and military; outages (shutdown) for the making of repairs, alterations, relocations or inspections; inability to secure labor or materials, inclement weather that necessitates extraordinary measures and expense to construct facilities or maintain operations, or any other causes, whether of the kind enumerated herein or otherwise, not reasonably within the control of the Party claiming suspension. Such term shall likewise include, in those instances where either Party is required to obtain servitudes, rights-of-way, grants or Permits to enable such Party to fulfill its obligations hereunder, the inability of such Party to acquire, or delays on the part of such Party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such servitudes, rights-of-way, grants or Permits, and in those instances where either Party hereto is required to secure Permits or permissions from any Governmental Authority to enable such Party to fulfill its obligations hereunder, the inability of such Party to acquire, or delays on the part of such Party in acquiring, at reasonable cost and after the exercise of reasonable diligence, such Permits and permissions.

"GAAP" means generally accepted accounting principles, as recognized by the U.S. Financial Accounting Standards Board (or any generally recognized successor).

"Governmental Authority" means any national, tribal, state, county or municipal government, domestic or foreign, any agency, board, bureau, commission, court,



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department or other instrumentality of any such government, or any arbitrator in any case that has jurisdiction over any of the Parties or any of their respective properties or assets.

- "Initial Term" has the meaning specified in Section 5.
- "Law" means any and all applicable laws, statutes, ordinances, Permits, decrees, writs, injunctions, orders, codes, judgments, principles of common law, rules or regulations which are promulgated, issued or enacted by a Governmental Authority having jurisdiction.
- "Leases" means the oil, gas, mineral and other leases, together with any and all overriding royalties, production payments, net profits interests, reversionary interests and other interests of any kind or character created thereby or derived therefrom, in which the Company Group now owns or hereafter acquires during the Term any right, title or interest.
- "Management Services" has the meaning specified in Section 2.1.
- "Manager" has the meaning specified in the preamble.
- "Manager Indemnified Parties" has the meaning specified in Section 6.1.
- "Parties" means each of the Manager and each of the Companies and each Subsidiaries.
- "Permits" has the meaning specified in Section 2.1.2.
- "Person" (whether or not capitalized) means any natural person, corporation, company, limited or general partnership, joint stock company, joint venture, association, limited liability company, trust, bank, trust company, land trust, business trust or other entity or organization, whether or not a Governmental Authority.
- "Records" has the meaning specified in Section 2.4.
- "Representatives" has the meaning specified Section 8.5.
- "Subsidiary" has the meaning specified in the preamble.
- "SWN E&P" has the meaning specified in the preamble.
- "SWN International" has the meaning specified in the preamble.
- "SWN Louisiana" has the meaning specified in the preamble.
- "SWN Midstream" has the meaning specified in the preamble.



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"SWN Production" has the meaning specified in the preamble.

"Taxes" means taxes of any kind, levies or other like assessments, customs, duties, imposts, charges or fees, including income, gross receipts, commercial activity, ad valorem, value added, excise, real or personal property, asset, sales, use, royalty, license, payroll, transaction, capital, net worth and franchise taxes, escheat and unclaimed property obligations, withholding, employment, social security, workers compensation, utility, severance, production, unemployment compensation, occupation, premium, windfall profits, transfer and gains taxes or other governmental taxes imposed or payable to the United States federal government or any other Governmental Authority, and in each instance such term shall include any interest, penalties or additions to tax attributable to any such Tax, including penalties for the failure to file any tax return or report or any liability as transferee or successor by contract or otherwise with respect to any of the foregoing.

"Term" has the meaning specified in Section 5.

"Wells" the oil, gas, water, injection, disposal and other wells in which the Company Group now owns or hereafter acquires during the Term any right, title or interest.

1.2. References and Titles. All references in this Agreement to Exhibits, Schedules, Sections, paragraphs, subsections and other subdivisions refer to the corresponding Exhibits, Schedules, Sections, paragraphs, subsections and other subdivisions of or to this Agreement unless expressly provided otherwise. Titles appearing at the beginning of any Sections, subsections or other subdivisions of this Agreement are for convenience only, do not constitute any part of this Agreement, and shall be disregarded in construing the language hereof. The words "this Agreement," "herein," "hereby," "hereunder" and "hereof," and words of similar import, refer to this Agreement as a whole and not to any particular subdivision unless expressly so limited. The words "this Section" and "this subsection," and words of similar import, refer only to Section or subsection hereof in which such words occur. The word "or" is not exclusive, and the word "including" (in its various forms) means including without limitation. Each accounting term not defined herein, and each accounting term partly defined herein to the extent not defined, will have the meaning given to it under GAAP. Exhibits and Schedules referred to herein are attached to and by this reference incorporated herein for all purposes. Any reference to an agreement or contract herein shall include any amendment, modification or replacement thereof that is in accordance with the provisions of this Agreement.

#### Management Services.

2.1. <u>Engagement of Manager; Management Services</u>. The Manager is hereby authorized and engaged, and hereby agrees to provide the following services (the "*Management Services*") during the Term:





Environmental Protection

- 2.1.1 <u>Assets and Operations</u>. With respect to the Assets, operations and businesses of the Company Group, the Manager will provide the services described on the *Exhibit A* attached hereto if and to the extent that the Manager deems such services necessary or appropriate to the operation of the Company Group's Assets and businesses.
- 2.1.2 Obtaining and Maintaining Permits. The Manager shall, at the election of any member of the Company Group, apply for, pay for (subject to reimbursement as set forth herein), and use its commercially reasonable efforts to obtain and maintain any approvals, authorizations, licenses and permits necessary or advisable for or in connection with such member's ownership and operation of the Assets and its businesses (collectively, "Permits").
- 2.1.3 <u>Use of Offices</u>. The Manager will use its company offices in its performance of the Management Services.
- 2.1.4 <u>Insurance</u>. The Manager will obtain and maintain such policies for the insurance of the Assets and the Company Group's businesses in such amounts, deductibles and coverages, in each case, as the Manager deems necessary or appropriate. The Manager may satisfy the foregoing obligation by causing members of the Company Group to be insured under policies under which Expand Energy Corporation and/or any of its direct or indirect subsidiaries, including the Manager, are also insured.
- 2.1.5 <u>Materials and Equipment</u>. In the course of its provision of the Management Services, the Manager is hereby authorized by each member of the Company Group to provide, purchase, lease, acquire, otherwise provide, sell and dispose of, to and on behalf of the Company Group, any and all (a) third-party services and (b) materials, goods, supplies, fixtures, improvements, equipment, and other property (including, for the avoidance of doubt, any such property of the Manager or its Affiliates) in each case, as the Manager deems necessary or appropriate to further the operations and businesses of the Company Group, including through transactions between (y) two or more members of the Company Group or (z) one or more members of the Company Group and the Manager or its Affiliates.
- 2.1.6 <u>Burdens</u>. Each member of the Company Group hereby authorizes the Manager and its Affiliates to pay or hold in suspense, in each case as the Manager deems necessary or appropriate, any and all Burdens attributable to such member's Assets.
- 2.1.7 Operatorship. At the election of any member of the Company Group, the Manager will use its commercially reasonable efforts to cause record operatorship of any Wells of which such member is the operator of record



with the Louisiana Department of Energy and Natural Resources, the Ohio Department of Natural Resources, the Pennsylvania Department of Environmental Protection, the West Virginia Department of Environmental Protection or any other Governmental Authority to be transferred to the Manager.

- 2.2. Direction of Result of Management Services. The means or method by which the Manager performs the Management Services, shall at all times be subject to the direction of the Manager. The provision of the Management Services hereunder shall at all times otherwise be subject to the direction of the Company Group.
- 2.3. Management Standards; Disclaimer. The Manager shall perform the Management Services at all times during the Term: (a) in accordance with all applicable Laws; and (b) in accordance with the terms and provisions of this Agreement. **EXCEPT** AS EXPRESSLY PROVIDED FOR ELSEWHERE IN THIS AGREEMENT, THE MANAGER EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES (EXPRESS, IMPLIED, AT COMMON LAW, BY STATUTE OR OTHERWISE) CONCERNING THE MANAGEMENT SERVICES, THE PERFORMANCE THEREOF OR THE RESULTS THEREOF. FURTHER, AND WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THE MANAGER HEREBY EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES CONCERNING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THE ACCURACY OR COMPLETENESS OF ANY RECORDS.
- Records; Instruments of Service. The Manager shall maintain complete books of 2.4. account, receipts, disbursements, Permits and all other records relating to the Management Services performed hereunder (the "Records"). The Companies and/or their designated Representatives may at any time during normal business hours, upon two (2) business days' advance notice, examine and/or make and retain copies of said Records. Nothing in this Agreement shall require the Manager to maintain or provide Records, financial information, or other information with respect to the Management Services, which is not a type of Record or information kept or reported by the Manager in the ordinary course of its own business irrespective of this Agreement.
- 2.5. [Intentionally Omitted].
- 2.6. Manager as Agent.
  - 2.6.1 Appointment. Each member of the Company Group hereby appoints and employs the Manager as its agent and nominee, to serve until the appointment and authority conferred hereby are revoked.

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- 2.6.2 Scope of Authority. Notwithstanding anything in this Agreement to the contrary, and without limiting the generality of Section 2.1, each member of the Company Group hereby authorizes and empowers the Manager, as its agent, to take each of the following actions to the extent that the Manager deems the same necessary or appropriate to further the operations and businesses of the Company Group:
  - a. collect and receive payment for the account of such member of any proceeds relating to any of the Assets or businesses of such member, including, but not limited to, proceeds from any sale or other disposition of oil, gas or other minerals produced and saved from Assets held by such member, or otherwise derived therefrom, and to otherwise act with respect thereto in accordance with the provisions of this Agreement and any subsequent written instructions of such member of the Company Group with respect to its Assets;
  - b. approve and pay or cause to be paid, on behalf of the Company Group, all proceeds or expenses payable with respect to the Assets and businesses of the Company Group including, but not limited to, proceeds on production of oil, gas or other minerals produced and saved from Assets held by the Company Group and joint interest billing expenses.
  - c. receive on behalf of the Company Group all notices, AFEs, billings and invoices related to the Company Group's Assets and businesses, and communicate with third-party operators, purchasers of production, midstream providers, vendors and other third parties with respect to the Company Group's Assets and businesses;
  - d. deal generally with, and enter into agreements on behalf of the Company Group with third parties (including, for the avoidance of doubt, Affiliates of the Manager) with respect to, the Assets and businesses of the Company Group, including, but not limited to, area of mutual interest agreements; exploration agreements; derivatives, futures, options or other hedging agreements; disposal or injection agreements; farmout and farmin agreements; gathering and processing agreements; joint venture, development and partnership agreements; Leases; oil, gas and condensate purchase, sale and marketing agreements; operating agreements; surface use agreements; transportation agreements; unitization, pooling and communitization agreements; and other similar agreements.
- 3. [Intentionally Omitted].



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- 4. <u>Representations, Warranties and Covenants</u>. The Manager represents, warrants and covenants to the Company Group as follows:
  - 4.2. Organization, Good Standing, Etc. The Manager is a limited liability company duly formed, validly existing and in good standing under the Laws of the State of Oklahoma. The Manager is also duly qualified and/or licensed, to the extent and as may be required, and in good standing in the States where the Leases and the Wells in which the Company Group own interests as of the Effective Date are located.
  - 4.3. Authority. The Manager has taken all necessary action to authorize the execution, delivery and performance of this Agreement and has adequate power, authority and legal right to enter into, execute, deliver and perform this Agreement. This Agreement is legal, valid and binding with respect to the Manager and is enforceable in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency or similar Laws affecting creditors' rights generally.
  - 4.4. <u>Legal Requirements</u>. The Manager has all requisite power, consents, orders, franchises, rights, registrations and Permits of all Governmental Authorities required to permit the Manager to provide the Management Services; each of the foregoing is in full force and effect and has been duly and validly issued; and the Manager is in compliance with all terms and conditions of each of the foregoing.
  - 4.5. No Consent. No Permit, consent or order of, and no notice to or filing with, any Governmental Authority or third party is required in connection with the execution, delivery or performance by the Manager of this Agreement or to consummate any transactions contemplated hereby and thereby.
  - 4.6. <u>Enforceable Obligations</u>. This Agreement is the legal, valid and binding obligation of the Manager, enforceable in accordance with its terms except as such enforcement may be limited by bankruptcy, insolvency or similar Laws of general application relating to the enforcement of creditors' rights and by general principles of equity.
- 5. Term; Termination. This Agreement shall have an initial term of one (1) year commencing on the Effective Date (the "Initial Term" and, together with any renewal terms, the "Term") and shall automatically be extended with respect to each of the Companies for successive one-month renewal terms until such time as either the Manager or the such Company (on behalf of itself and its Subsidiaries) provides the other with written notice of its intention to terminate this Agreement not less than sixty (60) days prior to the expiration of the Initial Term or a renewal term, as applicable. Notwithstanding the foregoing, this Agreement may be terminated at any time during the Term by a subsequent written agreement executed by all of the Parties. Except as expressly provided herein, the



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expiration or earlier termination of this Agreement shall not relieve any Party of any obligation or liability arising prior to such expiration or termination.

- Indemnification. From and after the Effective Date, the Parties will indemnify each other as follows:
  - 6.1. Company Group Indemnification. Each member of the Company Group hereby agrees to release, defend, indemnify, reimburse and hold harmless the Manager, its Affiliates and its and their respective directors, officers, members, managers, partners, employees and agents (each, individually, a "Manager Indemnified Party" and collectively, the "Manager Indemnified Parties") for, from and against any loss, damage, diminution in value, claim, liability, debt, obligation or expense (including interest, reasonable legal fees, and expenses of litigation and attorneys' fees in enforcing this indemnity) incurred, suffered, paid by or resulting to any of the Manager Indemnified Parties and which results from, arises out of or in connection with, is based upon, or exists by reason of: (a) any breach or default in the performance by such member of the Company Group of any covenant or obligation set forth in this Agreement; or (b) any act or omission by any of the Manager Indemnified Parties directly related to its performance of this Agreement.
  - 6.2. Manager Indemnification. The Manager hereby agrees to release, defend, indemnify, reimburse and hold harmless the Companies, the Subsidiaries, their respective Affiliates and its and their respective directors, officers, members, managers, partners, employees and agents (the "Company Indemnified Parties") for, from and against any loss, damage, diminution in value, claim, liability, debt, obligation or expense (including interest, reasonable legal fees, and expenses of litigation and attorneys' fees in enforcing this indemnity) incurred, suffered, paid by or resulting to any of the Company Indemnified Parties and which results from, arises out of or in connection with, is based upon, or exists by reason of: (a) any breach or default by the Manager of any representation or warranty set forth in this Agreement; or (b) any breach or default in the performance by the Manager of any covenant or obligation set forth in this Agreement.
  - EXTENT OF INDEMNIFICATION. WITHOUT LIMITING OR ENLARGING 6.3. THE SCOPE OF THE INDEMNIFICATION, DEFENSE AND ASSUMPTION PROVISIONS SET FORTH IN THIS AGREEMENT, TO THE FULLEST EXTENT PERMITTED BY LAW, AN INDEMNIFIED PARTY SHALL BE ENTITLED TO INDEMNIFICATION HEREUNDER IN ACCORDANCE WITH THE TERMS OF SECTION 6.1 OR SECTION 6.2 REGARDLESS OF WHETHER THE ACT, OCCURRENCE OR CIRCUMSTANCE GIVING RISE TO ANY SUCH INDEMNIFICATION OBLIGATION IS THE RESULT OF THE PASSIVE, CONCURRENT OR **COMPARATIVE** NEGLIGENCE, STRICT LIABILITY, BREACH OF DUTY (STATUTORY OR OTHERWISE) OR OTHER FAULT OR VIOLATION OF ANY LAW OF OR BY ANY SUCH INDEMNIFIED PARTY. EACH PARTY'S INDEMNIFICATION

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RIGHTS AND OBLIGATIONS UNDER THIS SECTION 6 SHALL SURVIVE THE EXPIRATION OR EARLIER TERMINATION OF THIS AGREEMENT INDEFINITELY.

- 6.4. Indemnification Procedure. If any indemnified party discovers or otherwise becomes aware of an indemnification claim arising under this Agreement, such party will give written notice to the indemnifying Party, specifying such claim, and may thereafter exercise any remedies available to such indemnified party under this Agreement; provided, however, the failure of any indemnified party to give notice as provided herein will not relieve the indemnifying Party of any obligations hereunder, to the extent the indemnifying Party is not materially prejudiced thereby. Further, promptly after receipt by an indemnified party hereunder of written notice of the commencement of any action or proceeding with respect to which a claim for indemnification may be made against the indemnifying Party, the indemnified party will give written notice to the indemnifying Party of the commencement of such action, accompanied by a copy of all papers, if any, served with respect to the action or proceeding; provided, however, the failure of any indemnified party to give notice as provided herein will not relieve the indemnifying Party of any obligations hereunder, to the extent the indemnifying Party is not materially prejudiced thereby.
- 7. Force Majeure. If a Party is rendered unable, wholly or in part, by reason of a Force Majeure Event to perform its obligations under this Agreement, other than obligations to make payments or provide indemnification or defense when due hereunder, then such Party's obligations shall be suspended to the extent affected by the Force Majeure Event. Any Party claiming any Force Majeure Event shall provide prompt written notice thereof to the other Party including full particulars of such Force Majeure Event.
- 8. <u>Miscellaneous</u>. It is further agreed as follows:
  - 8.1. Time. Time is of the essence of this Agreement.
  - 8.2. Independent Contractor. The Parties hereby acknowledge and agree that each of the Manager, its Affiliates and any contractors, subcontractors, vendors and other third parties performing all or part of the Management Services are independent contractors, and, except as expressly set forth in Section 2.6, nothing in this Agreement is intended, and shall not be construed, to create a partnership, joint venture, or employment or other similar relationship between (a) the Manager, or any such Affiliate or third party, and (b) any member of the Company Group. As between the Parties, the Manager shall have the exclusive responsibility and liability for (a) the direction and supervision of its employees, (b) the salary, employee benefits, other compensation and related costs of such employees and (c) the collection and payment of any payroll Taxes or Taxes for unemployment insurance, workers' compensation, pensions, and social security for the Manager's employees that are imposed by any Governmental Authority.

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- 8.3. Arm's-Length Transaction. The Manager is an affiliate of each member of the Company Group, and each member of the Company Group is an affiliate of the Manager. It is the overriding intent of the Parties that (a) the terms of this Agreement and the transactions contemplated hereby (taken as a whole) shall be substantially at least as favorable to the Manager as it would obtain in a comparable arm's-length transaction with a Person other than an affiliate (or, if no comparable transaction is available with which to compare such transaction, such transaction is otherwise fair to the Manager) and (b) each transaction contemplated by this Agreement is upon fair and reasonable terms no less favorable to the relevant member of the Company Group than it would obtain in a comparable arm's-length transaction with an unrelated Person or any other Person not an affiliate; each Party represents and warrants that it believes that this Agreement and the transactions contemplated hereby conform to such intent but, if and to the extent that any transaction contemplated by this Agreement does not conform to such intent, the Parties agree to reform such transaction's terms so that it does conform to such intent.
- 8.4. <u>Tax Matters</u>. Each member of the Company Group shall be allocated and bear, and indemnify and hold harmless the Manager Indemnified Parties for, all Taxes relating to its Assets or businesses.
- 8.5. <u>Manager's Interests</u>. For the avoidance of doubt, neither the Manager nor any of its Affiliates shall, solely by virtue of this Agreement or the Manager's performance hereunder, acquire any beneficial interest in any Assets or businesses of the Company Group.
- 8.6. Notices. All notices and communications required or permitted under this Agreement shall be in writing addressed as indicated below, and any communication or delivery hereunder shall be deemed to have been duly delivered upon the earliest of: (a) actual receipt by the Party to be notified; (b) if sent by U.S. certified mail, postage prepaid, return receipt requested, then the date shown as received on the return notice; (c) if by email, then upon an affirmative reply by email by the intended recipient that such email was received (provided that, for the avoidance of doubt, an automated response from the email account or server of the intended recipient shall not constitute an affirmative reply); or (d) if by Federal Express overnight delivery (or other reputable overnight delivery service), the date shown on the notice of delivery. Addresses for all such notices and communication shall be as follows:



To the Manager:

Expand Operating LLC 6100 North Western Avenue

Oklahoma City, Oklahoma 73118

Attention: Chris Lacy Telephone: (832) 796-7877

Email: chris.lacy@expandenergy.com

To the Company Group:

c/o SWN Production Company, LLC

6100 North Western Avenue Oklahoma City, Oklahoma 73118

Attention: Joshua J. Viets Phone: (405) 876-4312

Email: josh.viets@expandenergy.com

Either Party may, upon written notice to the other Party, change the address(es) and person(s) to whom such communications are to be directed.

Confidentiality; Securities Laws. Each of the Manager and the Company Group 8.7. shall hold and shall each cause their respective officers, managers, employees, agents, consultants and advisors to hold, in strict confidence and not to disclose or release without the prior written consent of the other Party, any and all Confidential Information (as defined herein); provided, that the Parties may disclose, or may permit disclosure of, Confidential Information (a) to their respective auditors, attorneys, financial advisors, bankers and other appropriate consultants and advisors who have a need to know such information (collectively, "Representatives") and are informed of their obligation to hold such information confidential to the same extent as is applicable to the Parties hereto and in respect of whose failure to comply with such obligations, the Manager or the Company Group, as the case may be, will be responsible or (b) to the extent the Manager or any member of the Company Group, as the case may be, is compelled to disclose any such Confidential Information by judicial or administrative process or by other requirements of Law. Notwithstanding the foregoing, in the event that any demand or request for disclosure of Confidential Information is made pursuant to clause (b) above, each Party, as the case may be, shall, to the extent permitted by applicable Law or legal process, promptly notify the other Party of the existence of such request or demand and shall provide the other a reasonable opportunity to seek an appropriate protective order or other remedy at such other Party's sole cost, which all Parties will cooperate in seeking to obtain. In the event that such appropriate protective order or other remedy is not obtained, the Party required to disclose Confidential Information shall or shall furnish, or cause to be furnished, only that portion of the Confidential Information that is legally required to be disclosed. Each Party hereby acknowledges that it is aware, and has informed or will inform its Representatives who receive Confidential Information that the securities Laws of the United States prohibit any person who has material, non-public information

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about a company from purchasing or selling securities of such company and from communicating such information to any other person under circumstances in which it is reasonably foreseeable that such other person is likely to purchase or sell such securities.

- 8.8. No Recourse Against Officers, Managers or Directors. For the avoidance of doubt, the provisions of this Agreement shall not give rise to any right of recourse against any director, officer, member, manager or partner of the Manager or any member of the Company Group.
- 8.9. <u>Non-Exclusivity</u>. Notwithstanding anything in this Agreement to the contrary, each member of the Company Group hereby acknowledges and agrees the Manager may provide services, including Management Services, to other third parties, including Affiliates of the Manager, consistent with the Manager's obligations to the Company Group hereunder.
- 8.10. <u>Cooperation</u>. Prior to termination of this Agreement and at all times following the consummation of this Agreement, the Parties agree to execute, acknowledge and deliver, or cause to be executed, acknowledged and delivered, such documents and instruments and do, or cause to be done, such other acts and things as may reasonably be requested by any Party to this Agreement, or are otherwise necessary or advisable, to assure that the benefits of this Agreement are realized by the Parties and that the Parties carry out their obligations under this Agreement and any document or other instrument delivered pursuant hereto.
- 8.11. No Third-Party Beneficiaries. Except for the indemnification rights under Section 6, nothing in this Agreement, express or implied, is intended to confer upon anyone, other than the Parties hereto and their respective successors and assigns, any rights or remedies under or by reason of this Agreement or to constitute any Person a third-party beneficiary of this Agreement.
- 8.12. <u>Cumulative Remedies</u>. Subject to the other provisions hereof, no failure on the part of any Party to this Agreement to exercise and no delay in exercising any right hereunder will operate as a waiver thereof, nor will any single or partial exercise by any Party hereto of any right hereunder preclude any other or further right of exercise thereof or the exercise of any other right.
- 8.13. Choice of Law. This Agreement will be interpreted, construed and enforced in accordance with the Laws of the State of Oklahoma, without giving effect to any rules or principles of conflicts of Law that might otherwise refer to the Laws of another jurisdiction.
- 8.14. <u>Entire Agreement</u>. This Agreement constitutes the entire agreement between the Parties with respect to the subject matter hereof and there are no agreements, understandings, warranties or representations except as set forth herein.



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- 8.15. Assignment. No Party may assign any of its rights or delegate any of its responsibilities under this Agreement without the express written consent of the other Parties, except that the Manager may assign any such rights or delegate any such duties to any of its Affiliates, vendors, suppliers, contractors, outside accountants, third-party engineers, auditors, attorneys, consultants and advisors in its provision of the Management Services in accordance herewith. Any assignment of rights or delegation of duties under this Agreement in violation of this Section 8.15 shall be void ab initio.
- 8.16. <u>Amendment</u>. Neither this Agreement, nor any of the provisions hereof can be changed, waived, discharged or terminated, except by an instrument in writing hand-signed by the Party against whom enforcement of the change, waiver, discharge or termination is sought.
- 8.17. Severability. If any clause or provision of this Agreement is illegal, invalid or unenforceable under any present or future Law, the remainder of this Agreement will not be affected thereby. It is the intention of the Parties that if any such provision is held to be illegal, invalid or unenforceable, there will be added in lieu thereof a provision as similar in terms to such provisions as is possible to make such provision legal, valid and enforceable.
- 8.18. Waiver. Waiver of performance of any obligation or term contained in this Agreement by any Party, or waiver by one Party of the other's default hereunder, will not operate as a waiver of performance of any other obligation or term of this Agreement or a future waiver of the same obligation or a waiver of any future default.
- 8.19. Counterparts; Facsimiles; Electronic Transmission. This Agreement may be executed in multiple counterparts, each of which will be an original instrument, but all of which will constitute one agreement. The execution and delivery of this Agreement by any Party may be evidenced by facsimile or other electronic transmission (including scanned documents delivered by email), which shall be binding upon all Parties.

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties have executed this Agreement effective as of the Effective Date.

#### MANAGER

EXPAND OPERATING, L.L.C. an Oklahoma limited liability company

y: -----

Chris Lacy

Executive Vice President – General Counsel and Corporate Secretary

#### **COMPANIES**

SWN Production Company, LLC a Texas limited, liability company

By: \_\_

Joshua J. Viets

Chief Operating Officer

SWN Production (Louisiana), LLC a Texas limited liability company

By:

Joshua I Viets

Chief Operating Officer

SWN Midstream Services Company, LLC

a Texas limited liability company

By:

Joshua J. Viets

Chief Operating Officer

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WV Department of Environmental Projection

SWN International, LLC a Delaware limited liability company

By:

Joshua J. Viets

Chief Operating Officer

A.W. Realty Company, LLC a Delaware limited liability company

By

Joshua J. Viets

Chief Operating Officer

Expand Water Resources Company LLC a Texas limited liability company

By:

Joshua J. Viets

Chief Operating Officer

SWN E&P Services, LLC a Texas limited liability company

By:

Joshya J. Viets

Chief Operating Officer

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WV Department of Environmental Protection

#### SUBSIDIARIES

SWN Resources Canada, Inc. a British Columbia corporation

By:

Joshua J. Viets

Chief Operating Officer

Expand Completions Services LLC a Texas limited liability company

By:

Joshua J. Viets

Chief Operating Officer

Expand Drilling Company LLC a Texas limited liability company

By:

Joshua J. Viets

Chief Operating Officer

Angelina Gathering Company, LLC a Texas limited liability company

By:

Joshya J. Viets

Chief Operating Officer

Expand Energy Marketing LLC a Texas limited liability company

By:

Joshya J. Viets

Chief Operating Officer

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#### **EXHIBIT A**

#### MANAGEMENT SERVICES

The Manager will provide or cause to be provided to the Company Group the following services:

General and Administrative Services. Overhead services and other general and administrative services including, but not limited to, accounting; business development; contract administration; budgeting and forecasting; credit; debt collection; facility management; financial reporting; financial, reserve report and other audit; government relations; health, safety and environmental; human resources; investor relations; insurance administration and claims processing; legal; marketing; office; procurement; project management; recordkeeping; regulatory compliance; security; supply chain; vendor management; Tax compliance and return preparation and the payment of Taxes and treasury services.

<u>Lease and Land Administration</u>. Lease and land management and administration services including, but not limited to, division order; land administration; land title; Lease records and processing; leasing; and surface land services.

<u>Technical and Operational Services</u>. Technical and operational services including, but not limited to, data management; completion; drilling; engineering; geological and geophysical; information systems and technology; infrastructure; production; and reserves services.





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September 29, 2025

Mr. Charles Brewer WV DEP Office of Oil & Gas 601 57<sup>th</sup> St., SE Charleston, WV 25304

**RE:** Expand's proposed New Well: Vernon Johnson WTZ 405H in Wetzel County, West Virginia, Drilling under Sim-Long Ridge and Hornet Hwy. (Dragon Hwy.).

Dear Mr. Brewer:

Expand Operating LLC ("Expand") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to Expand's right to drill under Sim-Long Ridge and Hornet Hwy. (Dragon Hwy.). Please be advised that Expand has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Timothy F. Ledet Senior Staff Landman Expand Operating LLC

Min Robert

OCT 1 4 2025

WW-PN (11-18-2015)

#### Horizontal Natural Gas Well Work Permit Application Notice By Publication

#### Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: Wetzel Chronicle Public Notice Date: July 16, 2025 & July 23, 2025 The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period. Applicant: Expand Operating LLC Well Number: Vernon Johnson WTZ 405H Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 Office Of Oil and Gas Business Conducted: Natural gas production. OCT 14 2025 Location -WV Department of State: West Virginia County: Wetzel District: Clay Ouadrangle: Littleton UTM Coordinate NAD83 Northing: 4,396,547 UTM coordinate NAD83 Easting: Watershed: West Virginia Fork Fish Creek

#### **Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm\_conus.php

#### **Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <a href="http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx">http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx</a> to sign up.

#### **Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to <u>DEP.comments@wv.gov</u>.

#### **Submitting Comments:**

Comments may be submitted online at <a href="https://apps.dep.wv.gov/oog/comments/comments.cfm">https://apps.dep.wv.gov/oog/comments/comments.cfm</a>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: <a href="www.dep.wv.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a>

### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE CERTIFICATION**

Date of Notic	ce Certification:	API No. 47-	- 103 -	
				on Johnson WTZ 405H
		Well Pad N	ame: Vernon	Johnson
Notice has l	oeen given:			
Pursuant to th	ne provisions in West Virginia Code	§ 22-6A, the Operator has provided the requ	uired parties v	vith the Notice Forms listed
below for the	tract of land as follows:		E. C.	
State:	West Virginia	LITM NAD 82 Easting:	538,929.174	
County:	103-Wetzel	UTM NAD 83 Easting: Northing:	4,396,547.128	
District:	Clay	Public Road Access:	Rice Ridge Road	
Quadrangle:	Littleton	Generally used farm name:	Vernon Johnson	WTZ
Watershed:	West Virginia Fork Fish Creek			
it has provide information re of giving the requirements Virginia Code of this article	ed the owners of the surface descried the owners of the surface descried the subsections (b) and (c), so surface owner notice of entry to so of subsection (b), section sixteen of \$22-6A-11(b), the applicant shall have been completed by the applicant west Virginia Code § 22-6A, the Open the surface of the	perator has attached proof to this Notice Ce	ection (b), sec uirement was en of this arti he surface ov that the notice	ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to West
that the Ope	rator has properly served the require	ed parties with the following:		
*PLEASE CHE	ECK ALL THAT APPLY			OOG OFFICE USE ONLY
☐ 1. NO	FICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECAU SEISMIC ACTIVITY WAS CONDUCT		☐ RECEIVED/ NOT REQUIRED
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or ☐ NO PLAT SURVEY WAS CO	NDUCTED	☐ RECEIVED
■ 3. NO	FICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BECAU NOTICE OF ENTRY FOR PLAT SURV WAS CONDUCTED or		☐ RECEIVED/ NOT REQUIRED
		WRITTEN WAIVER BY SURFAC (PLEASE ATTACH)	E OWNER	
■ 4. NO	TICE OF PLANNED OPERATION	RECEIVED Office Of Oil and Gas		☐ RECEIVED
■ 5. PUB	BLIC NOTICE	OCT 1 4 2025		RECEIVED
■ 6. NO	TICE OF APPLICATION	WV Department of Environmental Protection	-	RECEIVED

#### Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

#### Certification of Notice is hereby given:

THEREFORE, I Brittany Woody , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Expand Operating LLC

Brittany Woody

By: Its: Staff Regulatory Specialist

Telephone: 304-884-1610 Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany.Woody@expandenergy.com

Subscribed and sworn before me this

Notary Public

My Commission Expires

NOTARO PERCIAL SEAL **NOTARY PUBLIC** STATE OF WEST VIRGINIA Elizabeth Blankenship 60 Simpson Run Road Weston, WV 26452 My Commission Expires June 23, 2029

### Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office Of Oil and Gas

OCT 14 2025

WW-6A (9-13)

API NO. 47- 103 - 03789 OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 10/10 Date Permit Application Filed: 10/10 Notice of: ☐ CERTIFICATE OF APPROVAL FOR THE ✓ PERMIT FOR ANY WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ PERSONAL ✓ REGISTERED ☐ METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: COAL OWNER OR LESSEE ☑ SURFACE OWNER(s) Name: CNX Land Resources
Address: 1000 Consol Energy Drive Name: Louis David Williams, III Name: Louis David Williams, III
Address: 6620 Woodland Road Suitland MD 20746 Canonsburg, PA 15317 Name: \_\_\_\_\_ □ COAL OPERATOR Name: Address: SURFACE OWNER(s) (Road and/or Other Disturbance) Name: ☑ SURFACE OWNER OF WATER WELL Address: AND/OR WATER PURVEYOR(s) Name: See Attachment 13A Address: Name: \_\_\_\_\_ Address: OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: \_\_\_\_\_ Name: Address: Address: \*Please attach additional forms if necessary

WW-6A (9-13) 47 1 0 3 0 3 7 8 9
API NO. 47- 103 - OPERATOR WELL NO. Vermon Johnson WTZ 405H
Well Pad Name: Vernon Johnson WTZ

### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than	A CONTRACTOR OF THE CONTRACTOR
Date of Notice: Date Permit Application Filed: Notice of:	
✓ PERMIT FOR ANY WELL WORK CERTIFICATE OF APPLICATE OF APPLICATION OF A	ROVAL FOR THE IN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10(	(b)
	OD OF DELIVERY THAT REQUIRES A PT OR SIGNATURE CONFIRMATION
certificate of approval for the construction of an impoundment or pit registered mail or by any method of delivery that requires a receipt of sediment control plan required by section seven of this article, and the surface of the tract on which the well is or is proposed to be local oil and gas leasehold being developed by the proposed well work, if described in the erosion and sediment control plan submitted pursuan operator or lessee, in the event the tract of land on which the well promore coal seams; (4) The owners of record of the surface tract or trace well work, if the surface tract is to be used for the placement, construint impoundment or pit as described in section nine of this article; (5) A have a water well, spring or water supply source located within one to provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than three subsection (b) of this section hold interests in the lands, the applicant records of the sheriff required to be maintained pursuant to section e provision of this article to the contrary, notice to a lien holder is not a section of the series of the series of the contrary, notice to a lien holder is not a section of the series of the series of the contrary, notice to a lien holder is not a section of the series of the series of the contrary, notice to a lien holder is not a section of the series of the series of the contrary, notice to a lien holder is not a section of the series of the	r signature confirmation, copies of the application, the erosion and ne well plat to each of the following persons: (1) The owners of record of ted; (2) The owners of record of the surface tract or tracts overlying the the surface tract is to be used for roads or other land disturbance as not to subsection (c), section seven of this article; (3) The coal owner, apposed to be drilled is located [sic] is known to be underlain by one or cuts overlying the oil and gas leasehold being developed by the proposed action, enlargement, alteration, repair, removal or abandonment of any my surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to (6) The operator of any natural gas storage field within which the extenants in common or other co-owners of interests described in the application, chapter eleven-a of this code. (2) Notwithstanding any notice to a landowner, unless the lien holder is the landowner. W. Va. ovide the Well Site Safety Plan ("WSSP") to the surface owner and any
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice	☐ Well Plat Notice is hereby provided to:
☐ SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE
Name:	Name: C/O Leatherwoond, Inc. Attn: Casey Saunders
Address:	Address: 275 Technology Drive, Suite 101
Y	Cannonsburg, PA 15317
Name:	COAL OPERATOR
Address:	Name:
TOUREACE OWNER( ) (R. I. II OIL R' II	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	T SLIDE A CE OWNED OF WATER WELL
Name:	SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
Name:	Name:
Name:	Address:
Address:	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address:
Address:	
	*Please attach additional forms if necessary

RECEIVED
Office Of Oil and Gas

OCT 1 4 2025

4710303789 PI NO. 47-103

OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

#### Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

#### This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <a href="https://www.gov/oil-and-gas/pages/default.aspx">www.dep.wv.gov/oil-and-gas/pages/default.aspx</a>.

#### Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47-103 OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

#### Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

#### Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

#### Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary, (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

#### Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-1((b)) may file-written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13) 47 10 3 0 3 7 8 9 API NO. 47- 103

OPERATOR WELL NO. Vernon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

### Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

#### **Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <a href="http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx">http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx</a> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

#### Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

RECEIVED
Office Of Oil and Gas

OCT 14 2025

WW-6A (8-13)

4710303789

API NO. 47- 103

OPERATOR WELL NO. Vermon Johnson WTZ 405H

Well Pad Name: Vernon Johnson

Notice is hereby given by:

Well Operator: Expand Operating LLC

Telephone: 304-884-1610
Email: Brittany.Woody@expandenergy.cg

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

#### Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>.

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Elizabeth Blankenship
60 Simpson Run Road
Weston, WV 26452
My Commission Expires June 23, 2029

Subscribed and sworn before me this

\_day of

Notary Public

My Commission Expires

RECEIVED
Office Of Oil and Gas

OCT 1 4 2025

Operator Well No. Vernon Johnson WTZ

### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Re	equirement: Notice shall be provided at I	east SEVEN (7) day	s but no more than	FORTY-FIVE (45)	days prior to
Date of Notice:	7 Date of Planned En	try: 7 7 2025			
Delivery metho	d pursuant to West Virginia Code § 22	-6A-10a			
□ PERSONA SERVICE		METHOD OF DELI RECEIPT OR SIGNA			
on to the surface but no more that beneath such tra owner of minera and Sediment Co Secretary, which enable the surface	st Virginia Code § 22-6A-10(a), Prior to fee tract to conduct any plat surveys require in forty-five days prior to such entry to: (1 act that has filed a declaration pursuant to als underlying such tract in the county tax ontrol Manual and the statutes and rules restatement shall include contact informatice owner to obtain copies from the secretary	d pursuant to this arti ) The surface owner section thirty-six, art records. The notice related to oil and gas tion, including the add	cle. Such notice s of such tract; (2) t icle six, chapter to shall include a state exploration and pro-	hall be provided at le to any owner or lesses wenty-two of this cod attement that copies of roduction may be obta	ast seven days of coal seams e; and (3) any the state Erosion ained from the
Notice is hereby		<b>■</b> co.u.	OUNTED OR LE	0000	
■ SURFACE	8.8		OWNER OR LE		
Name: Vernon John			eatherwood, Inc. Attn: Co		
Address: 11895 A	unive	Canonsburg, PA	5 Technology Drive Suite	e 101	RECEIVED
Name:		Carlonsburg, FA	(15517-9050		Office Of Oil and G
		■ MINEI Name: AMP	RAL OWNER(s)		OCT 1 4 2025
Name:			25 Ross Street, Suite 201		
Address:		Pittsburgh, PA 1			WV Department of
		*please attach	additional forms if nee	cessary	Environmental Protecti
a plat survey on State: w County:	st Virginia Code § 22-6A-10(a), notice is the tract of land as follows:	_ Approx. Latitu _ Public Road A	de & Longitude:	39.717777, -80.545950 Rice Ridge Road	
	Clay	_ Watershed:		West Virginia Fork Fish Cree	k
Quadrangle: Li	ittleton	_ Generally used	farm name:	Vernon Johnson WTZ	
may be obtained Charleston, WV	ate Erosion and Sediment Control Manual from the Secretary, at the WV Departmet 25304 (304-926-0450). Copies of such the Secretary by visiting <a href="https://www.dep.wv.gov">www.dep.wv.gov</a> by given by:	ent of Environmental documents or addition	Protection headquenal information re	uarters, located at 601	57th Street, SE,
	Expand Operating LLC	Address:	1300 Fort Pierpont Dr., S	Suite 201	
Telephone:	304-209-5688		Morgantown, WV 26508		
Email:	brittany.woody@expandenergy.com	Facsimile:			

#### Oil and Gas Privacy Notice:

Operator Well  $N_0$ . Vernon Johnson WTZ

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time F	Requirement:	Notice shall be prov	ided at least SI	EVEN (7) da	ays but no more tha	n FORTY-F	TVE (45) days prior to
entry  Date of Notice			ned Entry: 77				•
Delivery meth	od pursuant	to West Virginia Co	ode § 22-6A-10	a	-		
☐ PERSON	Δ1 🗐	REGISTERED		00 00 00			
SERVICE		MAIL	□ MEIH	OD OF DE	LIVERY THAT RE	EQUIRES A	
					NATURE CONFIR		
but no more the beneath such tr owner of miner and Sediment ( Secretary, which	ce tract to concan forty-five detect that has file rals underlying Control Manuach statement si	duct any plat surveys ays prior to such ent led a declaration purs such tract in the count al and the statutes and	required pursury to: (1) The summer to section unty tax records drules related to the formation, incommended to the section of	ant to this a urface owned thirty-six, and s. The notices of oil and gar	rticle. Such notice ser of such tract; (2) article six, chapter to shall include a state sexploration and page 1	shall be provi to any owner wenty-two of atement that or roduction ma	e notice of planned entry ided at least seven days or lessee of coal seams f this code; and (3) any copies of the state Erosion by be obtained from the cretary's web site, to
Notice is herel	by provided to	o:					Owes on the Find Cos
■ SURFACE	E OWNER(s)			■ COA	L OWNER OR LE	ecee	Other A
					IX Land Resources	SSEC	OCT 1 4 2025
Address:			•		1000 Consoi Energy Drive		
					PA 15317-9656		viv 2000 juliju juliju in 1900.
Name:						·	Emilo :
Address:			-		ERAL OWNER(s)		
Name:		***	-	Name: Alic			
				Address: Elvria, OH 440	560 University Avenue		<u> </u>
		<del>.</del>	-		h additional forms if ne	CACCATI,	<del></del>
a plat survey on	st Virginia Co the tract of la	de § 22-6A-10(a), no and as follows:					planning entry to conduct
_	WV Wetzel				ude & Longitude:		
	Clay			ublic Road / atershed:	100055	Rice Ridge Road West Virginia Fo	<del></del>
· · · · · · -	ittleton		<del></del>		ed farm name:	Vernon Johnson	
Copies of the st may be obtained Charleston, WV	d from the Sec / 25304 (304-	retary, at the WV De	Manual and the epartment of Er	e statutes an ivironmenta ents or addit	d rules related to oi il Protection headquional information re	I and gas exp	oloration and production and at 601 57 <sup>th</sup> Street, SE, zontal drilling may be
Notice is here	by given by	<u>.</u>					
Well Operator:				Address:	1300 Fort Pierront Dr. 9	Suite 201	
Telephone:							
Email:	brittany.woody@e	expandenergy.com		Facsimile:			
09 d C F	Duling are NI - 41						

#### Oil and Gas Privacy Notice:

47 10000 / 03

Operator Well No. Vernon Johnson WTZ

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R	equirement:	Notice shall be provi-	ded at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (4	5) days prior to
entry  Date of Notice	7/1/2025	Date of Plan	n <b>e</b> d Er	ntry: 7/7/2025	<del></del>		
Delivery metho	od pursuant :	to West Virginia Co	de § 22	2-6A-10a			
☐ PERSONA	AL 🔳	REGISTERED		METHOD OF DEL	JVERY THAT RE	EOUIRES A	
SERVICE	;	MAIL		RECEIPT OR SIGN			
on to the surface but no more that beneath such the owner of miner and Sediment C Secretary, whice	e tract to cond an forty-five d act that has fil als underlying Control Manua th statement sl	ode § 22-6A-10(a), Product any plat surveys ays prior to such entred a declaration pursics such tract in the could and the statutes and nall include contact in obtain copies from the	require y to: (1 uant to inty tax rules informate	ed pursuant to this and the surface owner section thirty-six, and records. The notice related to oil and gastion, including the and the surface of the surfa	ticle. Such notice s r of such tract; (2) to rticle six, chapter to e shall include a sta s exploration and p	shall be provided at I to any owner or lesse wenty-two of this co- atement that copies o roduction may be ob-	east seven days the of coal seams de; and (3) any of the state Erosion tained from the
Notice is hereb	y provided to	<b>)</b> :					
☐ SURFACE	OWNER(s)			☐ COA	L OWNER OR LE	SSEE	
Name:							Company of the same
				Address:			All the Place Cope
							ያለክርስ ነሳ 
Name:							OCT 1 1 2025
Address:					ERAL OWNER(s)		Do t
Name:	-1-77	<del></del>		Name: Elle			Jugan
Address				Address: Cameron WV			- Karamanan da karamanan da karamanan da karamanan da karaman da karaman da karaman da karaman da karaman da k
		<u>-</u>			h additional forms if ne	Cessary	•
a plat survey on State: Value County: Value Valu	st Virginia Co	ide § 22-6A-10(a), no and as follows:			ude & Longitude:	operator is planning 39.717777, -80.545950 Rice Ridge Road West Virginia Fork Fish Cre	
Quadrangle:	ittleton			Generally use	d farm name:	Vernon Johnson WTZ	<u> </u>
may be obtained Charleston, WV obtained from the Notice is here	d from the Sec / 25304 (304- he Secretary b by given by		partme of such	ent of Environmenta documents or additi oil-and-gas/pages/c	l Protection headquonal information re lefault.aspx.	uarters, located at 60 elated to horizontal d	1 57 <sup>th</sup> Street, SE.
Well Operator:	<del></del>	g LLC		Address:	1300 Fort Pierpont Dr., S		
Telephone:	304-209-5688			Dei	Morgantown, WV 26508		
Email:	brittany.woody@d	expandenergy.com		Facsimile:			

#### Oil and Gas Privacy Notice:

Operator Well No. Vemon Johnson WTZ

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R	equirement: Notice shall be prov	ided at least SEVEN (7) days but no more that	an FORTY-FIVE (45) days prior to
entry  Date of Notice:	7/1/2025 Date of Plan	nned Entry: 7/7/2025	
Delivery metho	od pursuant to West Virginia Co	ode § 22-6A-10a	
☐ PERSONA	AL REGISTERED	☐ METHOD OF DELIVERY THAT R	EQUIDES 4
SERVICE		RECEIPT OR SIGNATURE CONFI	
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which enable the surface	e tract to conduct any plat surveys in forty-five days prior to such ent- act that has filed a declaration purs- als underlying such tract in the con- control Manual and the statutes and h statement shall include contact in ice owner to obtain copies from the	rior to filing a permit application, the operator required pursuant to this article. Such notice ry to: (1) The surface owner of such tract; (2) suant to section thirty-six, article six, chapter unty tax records. The notice shall include a std rules related to oil and gas exploration and proformation, including the address for a web persecretary.	shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the
Notice is hereb	y provided to:		
☐ SURFACE	• •	☐ COAL OWNER OR LE	
Name:		Name:	
		_ Address:	Office Charles Care
Name:			
Address:		_ I MINERAL OWNER(s)	
		_ Name: Keith Aberegg	, · tol
Name:		Address: 191 Solitude Lane	J. J. Cotton
Address:		8oyce, VA 22620	
-		*please attach additional forms if n	ecessary
a plat survey on		otice is hereby given that the undersigned we	II operator is planning entry to conduct
_	w	Approx. Latitude & Longitude:	39.717777, -80.545950
	Vetzel		Rice Ridge Road
District:	Clay	Watershed:	West Virginia Fork Fish Creek
Quadrangle: L	ittleton	Generally used farm name:	Vernon Johnson WTZ
may be obtained Charleston, WV	d from the Secretary, at the WV D 25304 (304-926-0450). Copies	Manual and the statutes and rules related to department of Environmental Protection header of such documents or additional information wv.gov/oil-and-gas/pages/default.aspx.	quarters, located at 601 57th Street, SE,
Notice is here	by given by:		
	Expand Operating LLC	Address: 1300 Fort Pierpont Dr.,	Suite 201
Telephone:	304-209-5688	Morgantown, WV 2650	98
Email:	brittany.woody@expandenergy.com	Facsimile:	
Oil and Gas P	rivacy Notice:		<del></del>

Operator Well No. Vernon Johnson WTZ

### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R	lequirement: Notice	shall be provided at leas	st SEVEN (7) da	ys but no more tha	in FORTY-FIVE (45	) days prior to
entry  Date of Notice	7/1/2025	Date of Planned Entry	7/7/2025			
Delivery metho	od pursuant to West	Virginia Code § 22-6	<b>A-10</b> a			
□ PERSONA SERVICE				LIVERY THAT RE		
but no more that beneath such tra owner of miner and Sediment C Secretary, which	the tract to conduct any an forty-five days price act that has filed a dec als underlying such to Control Manual and the th statement shall incl	2-6A-10(a), Prior to filing plat surveys required port to such entry to: (1) To claration pursuant to secret in the county tax recast in the county tax related and rules related contact information opies from the secretary.	ursuant to this and the surface owner tion thirty-six, a cords. The notice ted to oil and gast, including the a	rticle. Such notice : r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and n	shall be provided at le to any owner or lessed wenty-two of this cod atement that copies of production may be obt	ast seven days e of coal seams e; and (3) any the state Erosion
Notice is hereb	y provided to:					
	E OWNER(s)			L OWNER OR LE	SSEE	office of the control
Address:			Address:			Office (a)
				<del></del>		U 1 7 7 7 702
Address:			■ MINE	ERAL OWNER(s)		
				ın Franklin Butler		
				108 Quarter Drive	·	the water of
Address:		****	Bunkerhill, WV			
		<del></del>	*please attaci	h additional forms if ne	cessary	
a plat survey on State:	eby given: st Virginia Code § 22 the tract of land as fow w	-6A-10(a), notice is here ollows:		ude & Longitude:	operator is planning  39.717777, -80.545950  Rice Ridge Road	entry to conduct
	Clay		Watershed:		West Virginia Fork Fish Cree	
Quadrangle: L	ittleton		Generally use	d farm name:	Vernon Johnson WTZ	
may be obtained Charleston, WV obtained from the Notice is here	d from the Secretary, 7 25304 (304-926-04 he Secretary by visiting thy given by:	nent Control Manual an at the WV Department of 50). Copies of such doo ng www.dep.wv.gov/oil	of Environmenta cuments or additi -and-gas/pages/c	l Protection headqi ional information r lefault.aspx.	uarters, located at 601 elated to horizontal dr	57th Street, SE.
_	Expand Operating LLC	<del></del>	Address:	1300 Fort Pierpont Dr.,		
Telephone: Email:	304-209-5688		Pagaimila	Morgantown, WV 26508		
Eman:	brittany.woody@expandene	rgy.com	Facsimile:		<u> </u>	

#### Oil and Gas Privacy Notice:

Operator Well No. Vernon Johnson WTZ

### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time	Requirement:	Notice shall be prov	ided at least SE	VEN (7) da	ays but no more tha	an FORTY-FIVE (	(45) days prior to
entry Date of Noti			ned Entry: 7/7/				
Delivery me	thod pursuant	to West Virginia Co	ode § 22-6A-10	9			
☐ PERSO SERVIO		REGISTERED MAIL			LIVERY THAT RI NATURE CONFIE		
but no more to beneath such owner of min and Sediment Secretary, wh	ace tract to cond than forty-five d tract that has fil erals underlying t Control Manua tich statement sh	ode § 22-6A-10(a), Poluct any plat surveys ays prior to such ented a declaration pure such tract in the could and the statutes and all include contact is btain copies from the	rior to filing a p required pursua ry to: (1) The su- suant to section unty tax records d rules related to nformation, incl	ermit appli ant to this a urface owne thirty-six, a . The notic	cation, the operato rticle. Such notice or of such tract; (2) article six, chapter to se shall include a st s exploration and r	r shall provide notices shall be provided a to any owner or less twenty-two of this catement that copies aroduction may be a	t least seven days see of coal seams code; and (3) any of the state Erosion
Notice is her	eby provided to	):					
☐ SURFAC	CE OWNER(s)			□ соа	L OWNER OR LE	ESSEE	and the second second
Name:	<u>_</u>			Name:			Men To To To and Cos
Address:			-	Address:			
Name					<u>.</u>		□ <sub>OCT 1.4 2025</sub>
Address:				■ MINI	ERAL OWNER(s)		
Name:	<del>_</del>	<del></del>	•			organ Chase as Trustee under the Gore-Lie	Marie Comment & Land of the Comment
				Address:			_ _
	<del></del>		•	Wichita Falls,	h additional forms if ne		_
Notice is he Pursuant to Wa plat survey of State:	est Virginia Co on the tract of la	de § 22-6A-10(a), no nd as follows:		iven that th	e undersigned wel	l operator is plannir	ng entry to conduct
County:	Welzei				ude & Longitude:		
District:	Clay			blic Road / atershed:	Access:	Rice Ridge Road	
Quadrangle:					d form manual	West Virginia Fork Fish (	Creek
Quadrangic.	Diagram			merany use	d farm name:	Vernon Johnson WTZ	<u> </u>
Charleston, Wobtained from	red from the Sec V 25304 (304- the Secretary by	d Sediment Control retary, at the WV De 926-0450). Copies of y visiting www.dep.	epartment of En of such documer	vironmenta nts or additi	l Protection headquional information r	uarters, located at 6	01 57th Street SE
	reby given by:						
	Expand Operating	LLC		Address:	1300 Fort Pierpont Dr.,		
Telephone: Email:	304-209-5688	· · · · · · · · · · · · · · · · · · ·	<del></del>		Morgantown, WV 26508	i	
emaii:	brittany.woody@e	xpandenergy.com	_ <del></del> I	Facsimile:		<u></u>	
0" 10	D						<del></del>

#### Oil and Gas Privacy Notice:

Operator Well No. Vernon Johnson WTZ

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R	equirement: Notice shall be provided a	t least SEVEN (7) days but no more tha	in FORTY-FIVE (45) days prior to	
entry  Date of Notice:	: 7/1/2025 Date of Planned E	Entry: 7/7/2025		
Delivery metho	od pursuant to West Virginia Code § 2	22-6A-10a		
☐ PERSONA	al 🔳 registered 🖂	METHOD OF DELIVERY THAT RI	FOLURES A	
SERVICE		RECEIPT OR SIGNATURE CONFIF		
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which	st Virginia Code § 22-6A-10(a), Prior to be tract to conduct any plat surveys required in forty-five days prior to such entry to: a act that has filed a declaration pursuant the als underlying such tract in the county ta control Manual and the statutes and rules the statement shall include contact informance owner to obtain copies from the secret	red pursuant to this article. Such notice (1) The surface owner of such tract; (2) to section thirty-six, article six, chapter the records. The notice shall include a startleted to oil and gas exploration and pation, including the address for a web p	shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the	
Notice is hereb	y provided to:			
☐ SURFACE	OWNER(s)	☐ COAL OWNER OR LE	SSEE	
Name:		Name:	# C65	
Address:		Address:	HIT DOWN	
Name:		■ MINERAL OWNER(s)		
		Name: Red Stone Resources LLC	With the second	
X1		Address: 817 Irish Lane		
		Edmond, OK 73003		
		*please attach additional forms if ne	ecessary	
a plat survey on State: v County: v	eby given: st Virginia Code § 22-6A-10(a), notice is the tract of land as follows: w wetzel Day	s hereby given that the undersigned wel  Approx. Latitude & Longitude: Public Road Access: Watershed:	l operator is planning entry to conduct  39.717777, -80.545950  Rice Ridge Road  West Virginia Fork Fish Creek	
Quadrangle:	ittleton	Generally used farm name:	Vernon Johnson WTZ	
may be obtained Charleston, WV obtained from the Notice is here	• •	nent of Environmental Protection headq h documents or additional information r	uarters, located at 601 57th Street, SE,	
Well Operator: Expand Operating LLC Address: 1300 Fort Pierpont Dr., Suite 201				
Telephone:	304-209-5688	Morgantown, WV 2650	3	
Email:	brittany.woody@expandenergy.com	Facsimile:		

#### Oil and Gas Privacy Notice:

Operator Well No. Vemon Johnson WTZ

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

entry		•	rovided at least SEVEN (7) days but no more that	an FORTY-FIVE (45) days prior to
vale (	of Notice: 7/1/2025		Planned Entry: 7/7/2025	
Delive	ery method purs	uant to West Virginia	· · · · · · · · · · · · · · · · · · ·	
Пр	ERSONAL	■ REGISTERED	METHOD OF DELIVERY THAT BE	POLUBEO 4
	ERVICE	MAIL	☐ METHOD OF DELIVERY THAT RI RECEIPT OR SIGNATURE CONFIR	
_		<del>-</del>		
on to to but no beneat owner and Se Secreta enable	more than forty- h such tract that of minerals unde diment Control I ary, which staten the surface own	o conduct any plat surve five days prior to such has filed a declaration perlying such tract in the Manual and the statutes nent shall include conta- ter to obtain copies from	), Prior to filing a permit application, the operato eys required pursuant to this article. Such notice entry to: (1) The surface owner of such tract; (2) pursuant to section thirty-six, article six, chapter to county tax records. The notice shall include a st and rules related to oil and gas exploration and put information, including the address for a web put the secretary.	shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the
_	is hereby provi		<b></b>	
Name:	URFACE OWN	, ,	☐ COAL OWNER OR LE	
			Name: Address:	
Addres	SS:		■ MINERAL OWNER(s)	007 1 1 2025
NT		ų-,·	Name: James Stoneking	yrv vitrational of
Name:			Address: 2600 Dewitt Drive	<u>Ent</u> ironii dell'i solloctor
			Fredericksburg VA 22408  *please attach additional forms if ne	ccessary
Pursua a plat s State: County	urvey on the trac wv Wetzel		Approx. Latitude & Longitude: Public Road Access:	39.717777, -80.545950 Rica Ridge Road
Distric Ouadra			Watershed:	West Virginia Fork Fish Creek
Quadra	ingle: Littleton	<del></del>	Generally used farm name:	Vernon Johnson WTZ
may be Charles obtaine	obtained from to ston, WV 25304 and from the Secre	he Secretary, at the WV (304-926-0450). Copi stary by visiting <u>www.d</u>	rol Manual and the statutes and rules related to o Department of Environmental Protection headq es of such documents or additional information rep.wv.gov/oil-and-gas/pages/default.aspx.	uarters, located at 601 57th Street, SE
	is hereby give		Address	
	perator: Expand 0		Address: 1300 Fort Pierpont Dr.,	
i elenn	V 304-209-	J000	Morgantown, WV 26508	0
Teleph Email:	hrittanı	oody@expandenergy.com	Facsimile:	·

#### Oil and Gas Privacy Notice:

WW-6A4 (1/12)

Operator Well No. vernon Johnson WTZ 405H 4710303789

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Date of Notic	Requirement: Notice shall be provided a ce: 10/24/2025 Date Pe	at least <b>TEN</b> (10) days prior to filing a rmit <b>Application Filed</b> : 10/10	permit application.	
Delivery met	thod pursuant to West Virginia Code §	22-6A-16(b)		
☐ HAND	CERTIFIED MAIL			
DELIVE		QUESTED		
receipt request drilling a hor of this subsect subsection materials and if availab	sted or hand delivery, give the surface ow izontal well: <i>Provided</i> , That notice gives tion as of the date the notice was provide ay be waived in writing by the surface ow le, facsimile number and electronic mail	oner notice of its intent to enter upon the pursuant to subsection (a), section to do to the surface owner: <i>Provided, howerer</i> . The notice, if required, shall included address of the operator and the operator	, an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative.	
	reby provided to the SURFACE OV is David Williams, III			
Address: 6620		Name:Address:		
	itland, MD 20746	Address.		
the surface ov State: County:	where virginia code § 22-0A-16(b), holice where's land for the purpose of drilling a harmonic wheeler virginia wetzel	orizontal well on the tract of land as for UTM NAD 83 Easting: Northing:	well operator has an intent to enter upon bllows:  538,929.174  4,396,547.128	
District:	Clay	Public Road Access:	Tan Through Run	
Quadrangle: Watershed:	Littleton, WV	Generally used farm name:	Vernon Johnson	
This Notice Pursuant to V facsimile nur related to hor	mber and electronic mail address of the rizontal drilling may be obtained from the	operator and the operator's authorized Secretary, at the WV Department of	ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.	
Notice is he	reby given by:			
Well Operato	Expand Energy Company, LLC	Authorized Representative:	Steven Pauley	
Address:	1300 Fort Pierpont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201	
Morgantown, WV	/ 26508		Morgantown, WV 26508	
Telephone:	(304) 209-5685	Telephone:	(304) 209-5685	
Email:	steve.pauley@expandenergy.com	Email:	steve.pauley@expandenergy.com	
Facsimile:		Facsimile:		

#### Oil and Gas Privacy Notice:

WW-6A5 (1/12)

Operator Well No. VERNON JOHNSON WTZ 40:

4710303789

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

		equirement: notice shall		o later than the <b>filing</b> oplication Filed:		application.
Deliver	y metho	od pursuant to West Vi	rginia Code § 2	22-6A-16(c)		
<b>■</b> C	ERTIFII	ED MAIL		HAND		
		RECEIPT REQUESTE		DELIVERY		
return r the plan required drilling damage	nned oped to be post of a horest to the sentices	quested or hand delivery eration. The notice required by subsection (by rizontal well; and (3) A surface affected by oil and	y, give the surfa uired by this su y), section ten of proposed surfa and gas operation	ce owner whose lan- ubsection shall incluse this article to a surface use and compens to the extent the d	d will be used for de: (1) A copy ace owner whose sation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter. Sted in the records of the sheriff at the time
(at the a	address l	y provided to the SURI isted in the records of the Williams, III		ime of notice):		
-		oodland Road		Addres	s:	
		d, MD 20746				
Pursuar	on on th : <u>w</u> :: <u>c</u> :: ngle: <u>L</u>		or the purpose o	of drilling a horizonta  UTM NAD 8  Public Road	al well on the tra Easting: Northing:	well operator has developed a planned act of land as follows:  538,929.174  4,396,547.128  Tan Through Run  Vernon Johnson
Pursuar to be p horizon surface informa headqua	nt to West provided tal well; affected ation rela	by <b>W. Va. Code § 22-</b> and (3) A proposed sur by oil and gas operation atted to horizontal drilling ocated at 601 57 <sup>th</sup> Stree	6A-10(b) to a s face use and cor ons to the exten	surface owner whos impensation agreement the damages are coined from the Secre	e land will be unt containing arompensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting <a href="https://www.dep.wv.gov/oil-and-double-number-10">www.dep.wv.gov/oil-and-double-number-10</a>
Well O	perator:	Expand Energy Company, LLC		Address:	1300 Fort Pierpont [	Or., Suite 201
Telepho	one:	(304) 209-5685			Morgantown, WV 26	5508
Email:		steve.pauley@expandenergy.com		Facsimile:		
			<u> </u>	<del>_</del>		

#### Oil and Gas Privacy Notice:



### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Michael J. DeMers

Charleston, West Virginia 25305-0440 • (304) 558-0444

Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E. Secretary of Transportation Commissioner of Highways

June 27, 2025

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57<sup>th</sup> Street, SE Charleston, WV 25304 Office Of Oil and Gas

OCT 1 4 2025

WV Department of Environmental Protection

Subject: DOH Permit for the Vernon Johnson Well Pad, Wetzel County

Vernon Johnson WTZ 3H Well Site Vernon Johnson WTZ 5H Well Site Vernon Johnson WTZ 205H Well Site Vernon Johnson WTZ 405H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2011-0422 which has been transferred to Expand Operating, LLC for access to the State Road for a well site located off Wetzel County Route 8/9 SLS MP 0.74.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Lacy D. Pratt

Central Office O&G Coordinator

Lacy D. Pratt

# in.

Ce: Brittany Woody

**Expand Operating, LLC** 

OM, D-6 File

#### Attachment VI Frac Additives

HCL	Product Use Solvent	Chemical Name Hydrochloric Acid	CAS Number
FSTI-CI-02	Solvent	Water	7647-01-0
	Corrosion Inhibitor		7732-18-5
1311-01-02	Corrosion minibilor	POSITION OF THE PROPERTY OF TH	111-76-2
		Ethylene glycol	107-21-1
		N,N-Dimethylformamide	68-12-2
		benzyl chloridequaternized	72480-70-7
		Cinnamaldehyde	104-55-2
		Isopropyl alcohol	67-63-0
		Poly(oxy-1,2-ethanediyl), .alpha(nonylphenyl)omegahydroxy-	9016-45-9
		1-Decanol	112-30-1
		1-Octanol	111-87-5
		Triethyl phosphate	78-40-0
Ferriplex 80	Iron Control	Sodium Erythorbate	6381-77-7
Tolicide 4Frac	Biocide	Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8
		Quaternary ammonium compounds	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
Plexslick 930	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Oleic Acid Diethanolamide	93-83-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Ammonium Chloride	
		Sodium Chloride	12125-02-9
Plexaid 655NM	Scale Inhibitor	The state of the s	7647-14-5
Plexaid 655NIVI	Scale inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
DIII-I 1/005	F	Water	7732-18-5
Plexslick V996	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Sodium Chloride	7647-14-5
Plexaid 655WG	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
		Glycerin	67-56-1
Clearal 270	Biocide	Glutaraldehyde	111-30-8
		Didecyldimethylammonium Chloride	7173-51-5
		Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
StimSTREAM SC 398 CW	Scale Inhibitor	Ethylene glycol	107-21-1
		CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5
StimSTREAM FR 9800	Friction Reducer	Chemstream-Alkane-00001	
STIMSTREAM FR 9800	Friction Reducer		Chemstream-Alkane-00001
		Chemstream-Polymer-00001	Chemstream-Polymer-00001
		Ethoxylated alcohols (C12-16)	68551-12-2
StimSTREAM FR 2800		Water	7732-18-5
	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9
		Water	7732-18-5
StimSTREAM FR 9725	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium Chloride	12125-02-9
		Water	7732-18-5
StimSTREAM SC 398 C	Scale Inhibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5

RECEIVED Office Of Oil and Gas

OCT 14 2025

OPERATOR: Expand Operating LLC	WELL NO: Vernon Johnson WTZ 405H
PAD NAME: Vernon Johnson	
REVIEWED BY:	SIGNATURE: BILLLING MANUE
	0

### WELL RESTRICTIONS CHECKLIST

### HORIZONTAL 6A WELL

Well Restrictions	** Pad Built 8/3/11	
At Least Perennial	100 Feet from Pad and LOD (including any E&S Control Stream, Lake, Pond, Reservoir or Wetland; OR	Feature) to any
DE	EP Waiver and Permit Conditions	
At Least 3 Naturally	300 Feet from Pad and LOD (including any E&S Control Producing Trout Stream; OR	Feature) to any
DE	EP Waiver and Permit Conditions	
At Least 1 Groundwa	1000 Feet from Pad and LOD (including any E&S Contro ater Intake or Public Water Supply; OR	l Feature) to any
DI	EP Waiver and Permit Conditions	
At Least 2 Drilled; O	250 Feet from an Existing Water Well or Developed Sprin	ng to Well Being
Su	arface Owner Waiver and Recorded with County Clerk, O	R
DI	EP Variance and Permit Conditions	
At Least 6	525 Feet from an Occupied Dwelling Structure to Center of	of the Pad; OR
Su	rface Owner Waiver and Recorded with County Clerk, O	R
DE	EP Variance and Permit Conditions	
At Least 6 of the Pad	225 Feet from Agricultural Buildings Larger than 2500 Sq ; OR	uare Feet to the Center
Su	rface Owner Waiver and Recorded with County Clerk, O	R
DE	EP Variance and Permit Conditions	Office Of Oil and Gas
		OCT 1 4 2025

OCT 14 2025