



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, February 21, 2025
WELL WORK PERMIT
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for GERALD GOURLEY BRK 6H
47-009-00346-00-00

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.

James A. Martin
Chief

Operator's Well Number: GERALD GOURLEY BRK 6H
Farm Name: GERALD GOURLEY
U.S. WELL NUMBER: 47-009-00346-00-00
Horizontal 6A New Drill
Date Issued: 2/21/2025

Promoting a healthy environment.

02/21/2025

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.

02/21/2025

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

1) Well Operator: SWN Production Co., LLC 494512924 009-Brooke Cross Cr Steubenville East
Operator ID County District Quadrangle

2) Operator's Well Number: Gerald Gourley BRK 6H ✓ Well Pad Name: Gerald Gourley BRK

3) Farm Name/Surface Owner: Gerald Gourley ✓ Public Road Access: St. John Road

4) Elevation, current ground: 1154' Elevation, proposed post-construction: 1154'

5) Well Type (a) Gas x Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow x Deep _____
Horizontal x

6) Existing Pad: Yes or No Yes ✓

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 6023', Target Base TVD- 6082', Anticipated Thickness- 59', Associated Pressure- 3953

8) Proposed Total Vertical Depth: 5892' ✓

9) Formation at Total Vertical Depth: Marcellus ✓

10) Proposed Total Measured Depth: 28521' ✓

11) Proposed Horizontal Leg Length: 21,936.36 ✓

12) Approximate Fresh Water Strata Depths: 520' ✓

13) Method to Determine Fresh Water Depths: 47-009-00149 WR-35 ✓

14) Approximate Saltwater Depths: 1190' reported in nearby well

15) Approximate Coal Seam Depths: 725'

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No x

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

RECEIVED
Office of Oil and Gas
JAN 28 2025
WV Department of
Environmental Protection

Strader Gower
1/27/2025

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	J-55	94#	136'	136' ✓	CTS ✓
Fresh Water	13 3/8"	New	J-55	54.4#	570'	570' ✓	653sx/CTS
Coal	See	Intermediate	Casing				
Intermediate	9 5/8"	New	J-55	36#	1500'	1500' ✓	580 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	28521'	28521' ✓	Tail 5493sx/ 100' Inside Intermediate
Tubing							
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
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	Intermediate	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:					RECEIVED Office of Oil and Gas JAN 28 2025
Sizes:					WV Department of Environmental Protection
Depths Set:					

Strader Gower
1/27/2025

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): 16.5

22) Area to be disturbed for well pad only, less access road (acres): 10.3

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.

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

*Note: Attach additional sheets as needed.

CEMENT ADDITIVES							
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTEER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number	
SURFACE (FRESHWATER) <small>up to 3%</small>	XXXXXXXXXX	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6	
	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4	
COAL PROTECTION <small>up to 3%</small>	XXXXXXXXXX	INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6	
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4	
INTERMEDIATE	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9	
	0047	FP 28L	XXXXXXXXXX	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4	
	XXXXXXXXXX	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6	
	CemNet	XXXXXXXXXX	XXXXXXXXXX	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	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
PRODUCTION	XXXXXXXXXX	XXXXXXXXXX	55-IIV	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	DO47	FP 28L	XXXXXXXXXX	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4	
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	OX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATICAMIDE POLYMER	PROPRIETARY
	0255	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	XXXXXXXXXX	FL-66	0501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETARY	
	XXXXXXXXXX	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9	
	D208	ASA-301	XXXXXXXXXX	VISCOSI FIER/ANTI-SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETARY	
	D198	R-3	XXXXXXXXXX	CEMENT RETARDER	LIGNIN	8068-51-6	
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1	
	D065	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
	D800	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	CEMENT RETARDER (Mid-Temperature)	SODIUM LIGNOSULFONATE	8061-51-6

RECEIVED
Office of Oil and Gas

JAN 22 2025

WV Department of
Environmental Protection

02/21/2025

Southwestern Energy Company

Proposed Drilling Program

Well: GERALD GOURLEY BRK 6H
 Field: PANHANDLE FIELD - WET
 County: BROOKE
 SHL (NAD83): 40.318367 Latitude -80.559796 Longitude
 BHL (NAD83): 40.263089 Latitude -80.536523 Longitude
 KB Elev: 1,180 ft MSL KB Height: 26 ft AGL

Drilling Rig: SDC 41
 Formation: Marcellus Shale
 State: WV
 GL Elev: 1,154 ft MSL



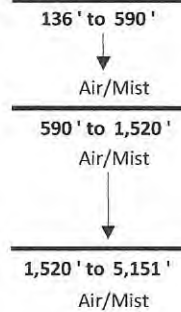
NO COAL VOID EXPECTED

PROD TOC @ 1,500' MD

TUBULAR DETAIL					
Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	136'
Surface	13.375	54.4 #	J-55	0'	570'
Intermediate/Coal	9.625	36.0 #	J-55	0'	1,500'
Production	5.5	20.0 #	P-110 HP	0'	28,521'

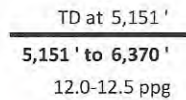
CEMENT DETAIL

	Sacks	Class	Density
Conductor	173	A	19.3
Surface	653	A	15.6
Intermediate	580	A	15.6
Production	5493	A	14.5-15.0



KOP at 5,151' MD

Freshwater Depth - 520' TVD
 Coal Depth - 725' TVD
 Saltwater Depth - 1,190' TVD
 TVD - 5,892'
 TMD - 28,521'



RECEIVED
 Office of Oil and Gas
 JAN 28 2025
 WV Department of Environmental Protection

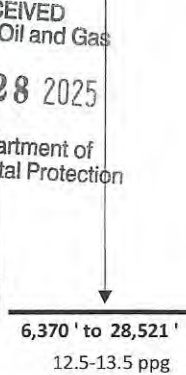
5,687' TVD Target Center

TD at 28,521' MD
 5,892' TVD



LP at 6,370' MD
 SHL Onondaga 5,704' TVD

Onondaga 5,909' TVD



Created by: Sebastian Ziaja on 01/24/2025

Strader Gower
 1/27/2025

02/21/2025

WW-9
(4/16)

4700900346

API Number 47 - 009 - _____
Operator's Well No. Gerald Grouley BRK 6H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Upper Ohio South Quadrangle Steubenville East

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

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 Wastes:

- Land Application
- Underground Injection (UIC Permit Number Various Approved Facilities)
- Reuse (at API Number At the next anticipated well)
- Off Site Disposal (Supply form 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 horizontal)? 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, removed offsite, etc. landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021

Apex Sanitary Landfill U6-U8438, Brooke Co SWF-1013, FMS 353100

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided 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 terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature *Brittany Woody*

Company Official (Typed Name) Brittany Woody

Company Official Title Staff Regulatory Specialist

RECEIVED
Office of Oil and Gas
JAN 22 2025

Subscribed and sworn before me this 23rd day of September, 2024

Elizabeth Blankenship

My commission expires 6/23/2029



WV Department of
Environmental Protection

SWN Production Co., LLC

Proposed Revegetation Treatment: Acres Disturbed 16.5 Prevegetation pH _____

Lime as determined by pH test min.2 Tons/acre or to correct to pH 10.3

Fertilizer type 10-20-20

Fertilizer amount 600/500 lbs/acre

Mulch Hay/Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Attachment 3C

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Strader Gower *Strader Gower*

Comments: _____

Title: Oil & Gas Inspector

Date: 9/25/2024

Field Reviewed? () Yes () No

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



SWN Production Company, LLC
1300 Fort Pierpont Drive, Suite 201
Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: Gerald Gourley BRK 6H
Steubenville East QUAD
Cross Creek DISTRICT
Brooke COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody
Title: Staff Regulatory Specialist

Date: 9/23/2024
SWN Production Co., LLC

Approved by:

Name: Strader Gower
Title: Oil & Gas Inspector

Date: 9/25/2024

Approved by:

Name: _____

Date: _____

Title: _____

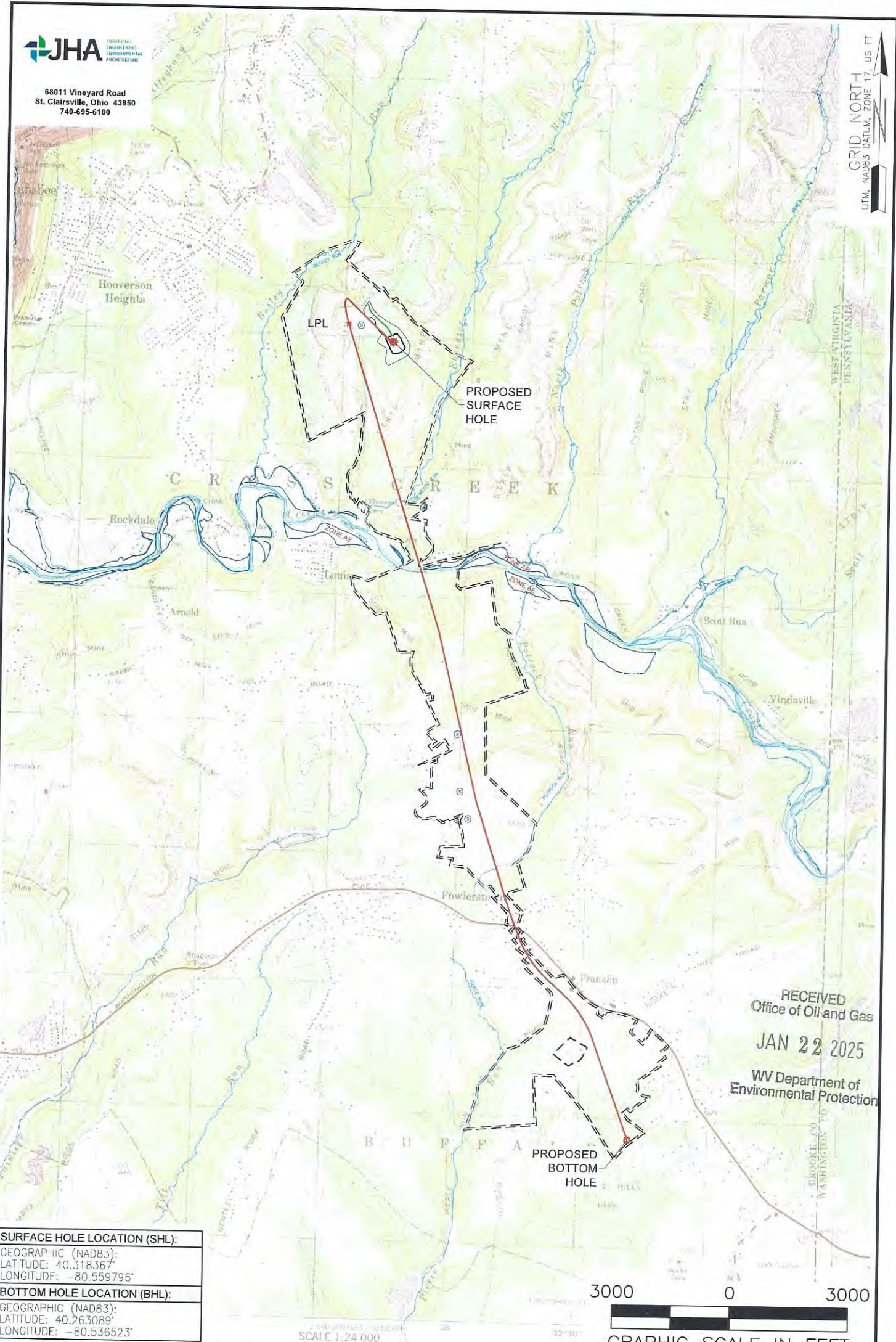
SWN PRODUCTION COMPANY, LLC – CONFIDENTIAL

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection



68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.318367°
LONGITUDE: -80.559796°

BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.263089°
LONGITUDE: -80.536523°



NOTES ON SURVEY

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL
- FLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

02/21/2025

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: GERALD GOURLEY BRK		WELL # 6H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: BROOKE	CODE: 009	DISTRICT: CROSS CREEK	API # 47-009-XXXX
SURFACE OWNER: GERALD GOURLEY		USGS 7 1/2 QUADRANGLE MAP NAME: STUEBENVILLE EAST, WV			

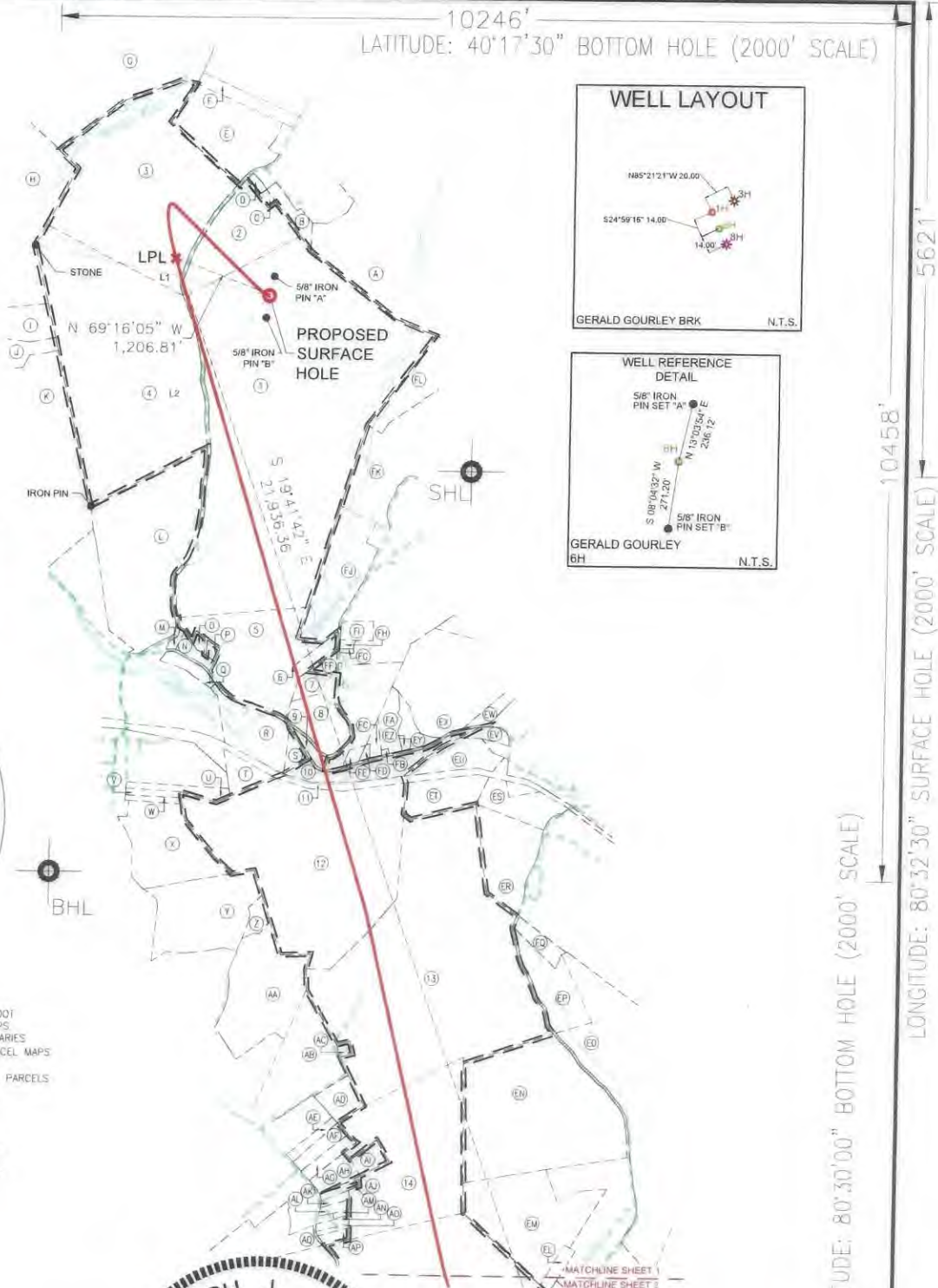
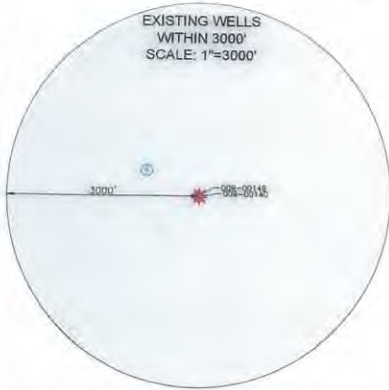
LATITUDE: 40°20'00" SURFACE HOLE (2000' SCALE) ← 5240' →
 10246'
 LATITUDE: 40°17'30" BOTTOM HOLE (2000' SCALE)



68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100



LINE	BEARING	DISTANCE
L1	N78°26'03"W	2883.19'
L2	S39°34'26"E	3306.27'



NOTES ON SURVEY

- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- 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 PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4463186.81 EASTING: 537400.67
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4463315.17 EASTING: 537052.40
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4457061.21 EASTING: 539410.06

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.E. 19809



COMPANY:
SWN Production Company, LLC

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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

MINIMUM DEGREE OF ACCURACY: 1/200

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

GERALD GOURLEY BRK

OPERATOR'S WELL #: 6H

API WELL #: 47 009 00346
 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1154.0'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST, WV

SURFACE OWNER: GERALD GOURLEY ACREAGE: ±173.00

OIL & GAS ROYALTY OWNER: GERALD GOURLEY ACREAGE: ±173.00

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,892' TVD 28,521' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		11-01-2024
⊛ EXISTING / PRODUCING WELLHEAD		API NO: 47-009-XXXX
LPL LANDING POINT LOCATION		DRAWN BY: Z. WOOD
⊙ EXISTING WATER WELL		SCALE: 1" = 2000'
⊕ EXISTING SPRING		DRAWING NO: 2024-1300
— NATURAL WATERWAY		WELL LOCATION PLAT
— SURVEYED BOUNDARY		
— LEASE BOUNDARY		
— PROPOSED PATH		
— PUBLIC ROAD		

5621'
 10458'
 LONGITUDE: 80°32'30" SURFACE HOLE (2000' SCALE)
 LONGITUDE: 80°30'00" BOTTOM HOLE (2000' SCALE)

02/21/2025

INSET I
N.T.S.



WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	GOURLEY GERALD E	4-CC19-103
TRACT	SURFACE OWNER	TAX PARCEL
2	GOURLEY GERALD E	4-CC15-42
3	YODER MELVIN A	4-CC15-42.1
4	BALLATO NICHOLAS & CHRISTOPHER	4-CC19-192
5	GOURLEY GERALD E	4-C19K-57
6	TEMPLE LLOYD (SURV)	4-CC19-108
7	LONGWELL MARTY R II & ALYSSA A (JTWS)	4-CC19-128
8	FORESHA THOMAS E & BLASKOVICH VIRGINIA M (SURV)	4-CC19-106
9	VEMURI HOME & GARDEN LLC	4-CC19-130
10	PITTSBURGH & WV RAILROAD	4-CC19-134
11	NORFOLK & WESTERN RAILWAY CO	4-C19K-18
12	PITTSBURGH & W VA RAILWAY CO	4-CC19-191
13	COOK FAMILY REVOCABLE TRUST 4/20/17, MALSON SUSAN A	4-CC23-322
14	CORWIN BRIAN	4-CC23-78
15	HUBBARD SAMUEL	4-CC23-86
16	FERGUSON JENNIFER & JESSICA	4-CC23-100
17	LYKE EUGENE F II	4-CC23-329.1
18	RYAN REBECCA	4-CC23-345
19	ROBINSON JACK	4-CC23-344
20	BONGIORNI TIMOTHY & PENNY M (SURV)	4-CC23-343
21	SINGH DILRAJ	4-CC23-342
22	MORGAN RALPH E & BERT M	4-CC23-341
23	PRO MOTIVE INC	4-CC23-410
24	WV DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	STATE ROUTE 27
25	FRESHWATER ROBERT LEE	3-B235-5
26	WALKER GREGORY W & NANCY	3-B235-21
27	HARTLINE JAMES DAVID & MARIETTA	3-B235-20
28	WILSON EDWARD J & CINDY J SURV	3-B235-25
29	RODEN JOEL & JULIE (SURV)	3-B235-26
30	PEARSON GREGORY ALLEN	3-B235-30
31	WALDEN WM K & FLORENCE A (TOD) & BURNS LESLIE & WALDEN KENNETH	3-B235-29
32	FRANKLIN CEMETERY ASSOC	3-B28D-60
33	FRANKLIN CEMETERY	3-B28D-61
34	WV DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	PIERCE RUN ROAD
35	FRANKLIN CEMETERY ASSOCIATION TRUSTEES	3-B28D-66
36	PARK & RECREATION COMMISSION	3-B28-66
37	POTTER FAMILY REVOCABLE TRUST	3-B29E-1
38	CARUSO ELIZABETH A	3-B29E-19
39	RADVANSKY JOHN GABRIEL	3-B29J-7
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	LOAR GARY LEE & SANDRA L	4-CC15-52
B	DREXLER SALVATORE R & MARY M	4-CC15-64
C	DREXLER RENE;MCDONAL HEATHER (LE-SAL& MARY M. DREXLER)	4-CC15-42.3
D	DREXLER RENE;MCDONAL HEATHER (LE-SAL& MARY M. DREXLER)	4-CC15-42.2
E	YODER MELVIN A	4-CC15-43
F	BARNHART DANIEL (LC-WILLIAM & VICKY L HERCULES)	4-CC15-45
G	RIHEL MARK ANTHONY; DAVID RICHARD;WILLIAM MARTIN JR	4-CC15-27
H	GALIANO WILLIAM D & SHERRY L	4-CC19-95
I	MCQUILLIAN PAUL MATTHEW L C	4-CC19-93
J	GALIANO WILLIAM D & SHERRY L	4-CC19-92
K	FURDA MARLENE & BULLOCK JAMES & MARK	4-CC19-97
L	BALLATO NICK & CHRISTOPHER	4-CC19-102
M	MARCUM HATTIE	4-C19K-54

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
N	KIMBALL LAWRENCE	4-C19K-55
O	KIMBALL LAWRENCE	4-C19K-56
P	KIMBALL LAWRENCE	4-CC19-104
Q	OSETEK JOSEPH	4-C19K-53
R	NORFOLK & WESTERN RR	4-CC19-105
S	NICKOLES CAROL L	4-CC19-129
T	NORFOLK & WESTERN RR	4-CC19-105
U	SHIMKO LORI A & JOHN (JTWS) (L EST EST)MCLAIN PATRICIA A	4-C19P-45
V	PEPE TODD A;MITCHELL MICHELE R (LE-FRANCES D PEPE)	4-C19P-46
W	NELSON MARILYN L	4-C19P-47
X	CHERIPKO HELEN & ELAINE MARCUM JTWS	4-C19P-48
Y	CLARK TODD	4-CC23-51.23
Z	WILLEY MELINDA	4-CC23-51.24
AA	HART TED JR & RUTH B	4-CC23-51.4
AB	BRAHO JOSEPH M & MCGOWAN KATELYN N (JTWS)	4-CC23-66
AC	BURCH AMY J	4-CC23-67
AD	HENTHORN WILLIAM E	4-CC23-71.1
AE	WILLEY FAMILY IRREVOC TRUST 2/24/2022	4-CC23-73
AF	WILLEY FAMILY IRREVOC TRUST 2/24/2022	4-CC23-74
AG	PHILLIPS KEVIN CHARLES & HEATHER LEE (SURV)	4-CC23-74.1
AH	SPERLAZZA MARVIN P & LYNN A (SURV)	4-CC23-76
AI	ROGERSON CRYSTAL M & THOMAS E JR	4-CC23-77
AJ	NORTHVIEW PROPERTIES LLC	4-CC23-78.1
AK	HAUGHT JOSEPH B & LISA ANN (SURVIVORSHIP)	4-CC23-79
AL	SCHWERTFEGER NORMAN	4-CC23-80
AM	SCHWERTFEGER NORMAN ALAN & JEANNIE KAYE (JTWS)	4-CC23-82
AN	MEADE STEPHEN M & JACKIE D	4-CC23-83
AO	PATTERSON JAMES R	4-CC23-84
AP	PATTERSON JAMES R	4-CC23-85
AQ	GRIFFITH ROBERT ALLEN	4-CC23-101
AR	FERGUSON JENNIFER & JESSICA	4-CC23-100
AS	ROBINSON ROBERT A & JACLYN JO (SURV)	4-CC23-99
AT	HUBBARD SAMUEL H & SHELBA J (JTWS)	4-CC23-86.2
AU	ROBINSON ROBERT A & JACLYN JO (SURV)	4-CC23-86.1
AV	FELL HOWARD F	4-CC23-87
AW	HUBBARD SAMUEL H & SHELBA J (SURV)	4-CC23-88
AX	BEIHL ELWOOD F JR & PATRICIA J (SURV)	4-CC23-97
AY	MCDONOUGH JEFFREY R & ROTHWELL CHARLOTTE D (SURV)	4-CC23-89
AZ	MCDONOUGH JEFFREY R & ROTHWELL CHARLOTTE D (SURV)	4-CC23-90
BA	COOPER MARK H	4-CC23-92
BB	LYKE ANNABELLE	4-CC23-330
BC	LYKE ANNA BELLE	4-CC23-329
BD	WILSON MARK & BONNIE (JTWS)	4-CC23-332
BE	MCGOWAN CLARENCE L & KATHERINE A (SURV)	4-CC23-336
BF	SADLER JEROMY R & ASHLEY N (JTWS)	4-CC23-338
BG	MORGAN RALPH E & BERT M	4-CC23-339
BH	MORGAN RALPH M & BERT M	4-CC23-340
BI	EDWARDS MATTHEW H	3-B235-4.1
BJ	FRESHWATER ROBERT LEE	3-B235-6
BK	HANLON MARLA J	3-B235-19
BL	WOODS RYAN J & KYLE B (SURV) (LE-MARK WOODS)	3-B235-27
BM	DUNSON BRANDON & ASHLEY JTWS	3-B235-28
BN	ELSON WILLIAM KEITH, ET AL	3-B28D-59
BO	FRANKLIN CEMETERY ASSN	3-B28D-62

02/21/2025

REVISIONS:	4700906346

COMPANY:	SWN Production Company, LLC	SWN ^{R-V+} Production Company™
OPERATOR'S	GERALD GOURLEY BRK	
WELL #:	6H	
DISTRICT:	CROSS CREEK	COUNTY:
		BROOKE
		STATE:
		WV
		DATE: 11-01-2024
		API NO: 47-009-XXXXX
		DRAWN BY: Z. WOOD
		SCALE: N/A
		DRAWING NO: 2024-1300
		WELL LOCATION PLAT



ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BP	MILLER JENNY L & JAMES T MCCARTY (LE)	3-B28D-63
BQ	POTTER ELIZABETH A	3-B28D-64
BR	POTTER ELIZABETH ANN	3-B28D-65
BS	BENSON ANTHONY	3-B28-51
BT	JUSTICE GREGORY MICHAEL & MARY ALICE MALONEY (LE)	3-B28-52
BU	COEN CORINNA A	3-B28-53
BV	SCHUPBACH CHARLES EDWARD	3-B28-55
BW	HANCHER ERIC; GLASURE CHARLOTTE (SURV)	3-B28-54
BX	EATON JANICE	3-B28-56
BY	HANCHER ERIC DAVID	3-B28-57
BZ	KNORR BERNARD JOHN III (L EST) KNORR BERNARD J JR % RUBY F	3-B28-57.1
CA	BROOKE COUNTY PARK COMMISSION	3-B28-64
CB	PARK & RECREATION COMMISSION	3-B28-65
CC	COPERICH RICHARD M & BELINDA A (JTWS)	3-B29J-24
CD	COPERICH RICHARD M & BELINDA A (JTWS)	3-B29J-23
CE	NIEMAN GREGORY DEAN & LAUREL ANN (SURV)	3-B29J-22
CF	NIEMAN GREG & LAUREL	3-B29J-21
CG	NIEMAN GREG & LAUREL	3-B29J-20
CH	RADVANSKY JOHN	3-B29J-19
CI	RADVANSKY JOHN G	3-B29J-18
CJ	RADVANSKY JOHN G	3-B29J-17
CK	LILLY WILLIAM J & KRISTA A (SURV)	3-B29J-16
CL	LEES MARK D & MERLINDA L (SURV)	3-B29J-6
CM	SEBECK RONALD J (TOD) MARLENE E 50 %	3-B29E-20
CN	SEBECK MARLENE E (TOD) SEBECK RONALD J 50%	3-B29E-21
CO	CARUSO ELIZABETH A	3-B29E-22
CP	CARUSO ELIZABETH A	3-B29E-23
CQ	CARUSO ELIZABETH A	3-B29E-18
CR	GIBSON EDWARD R & JOYCE C SURV	3-B29E-17
CS	TAYLOR RICHARD W & TERESA R (SURV)	3-B29E-16
CT	3-B29E-15	3-B29E-15
CU	DEMARK GREG C	3-B29E-14
CV	RIGGS DAVID & PATTI J (SURV)	3-B29E-13
CW	SALVINI MATTHEW J & TONYA D	3-B29E-12
CX	COPPA SILVERIO G & DORIS E (SURV)	3-B29E-4
CY	RADICK RONALD R & CHRISTINE (SURV)	3-B29E-3
CZ	DAYTON-WHITLATCH AMITY LAEL	3-B29E-2
DA	BALLATO CHRISTOPHER A & RUTH V (SURV)	4-CC29-98
DB	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-95
DC	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-94
DD	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-93
DE	WARCHOLAK MEGHAN E	4-CC29-81
DF	JEFFRIES DIANA	4-CC29-80
DG	JEFFRIES DIANA	4-CC29-79
DH	FERGUSON WALTER & EDITH	4-CC29-78
DI	FREE METHODIST CHURCH	3-B29-4
DJ	FERGUSON JASON G	4-CC29-76
DK	RALSTON CHARLES L & SANDRA	4-CC29-5
DL	RALSTON CHARLES L & SANDRA	4-CC29-4
DM	BOARD OF EDUCATION - BROOKE COUNTY	4-CC29-3
DN	THE BROOKE COUNTY PARK & RECREATION	3-B29-2
DO	DEGARMO MARY K HERVEY	3-B29-1
DP	BERDINE KATHY L	4-CC29-1
DQ	MOORE MICHAEL A II & MOORE KIMBERLYL (JTWS)	4-CC28-11
DR	FRANKLIN METHODIST CHURCH	4-CC28-10
DS	LANCASTER DAVID	4-CC28-9
DT	LANCASTER DAVID	4-CC28-8
DU	ARBOGAST WILLIAM & GRACIE E	4-CC28-7
DV	FRANKLIN CEMETERY ASSOCIATION	3-B28D-67
DW	MCDANIEL RODNEY R & ROSEMARY	3-B285-31
DX	SMITH CAROLYN J TOD	3-B235-32
DY	BROWN IRREVOCABLE TRUST 11/18/17 ALAN & SUSAN	3-B235-24
DZ	BROWN IRREVOCABLE TRUST 11/18/17 ALAN & SUSAN	3-B235-23
EA	MAYO LOUIS P	3-B235-22
EB	LARTER DAVID H	4-CC23-415
EC	VISYAK PATRICIA M	4-CC24-83

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
ED	HUBBARD SAMUEL H & SHELBA	4-CC23-411
EE	HUBBARD SAMUEL H & SHELBA J (JTWS)	4-CC23-410.1
EF	KEMP BRENDA J	4-CC23-347
EG	CHARLESWORTH DAVID	4-CC23-348
EH	MERCER RICHARD LEE & MARGARET ANN	4-CC23-349
EI	YOST CLARA E	4-CC23-328
EJ	SILVER CHARLES; HALSTEAD DONNA LIVINGOOD SHERRY (1/3)	4-CC23-327
EK	THOMPSON DEBRA J	4-CC23-319
EL	BANNEN JOHN J	4-CC23-317
EM	HUBBARD SAMUEL	4-CC23-318
EN	BARONIO CURTIS R & DONNA J	4-CC23-321
EO	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LC CORP	4-CC23-325
EP	MENEELY BOBBIE JO; MINICH RANDALL	4-CC23-324
EQ	CARBASHO THOMAS & CALDWELL TINA	4-CC23-323
ER	BLACK CLARENCE T JR & TAMMY L	4-CC19-186
ES	SAYTOR CHARLES J JR	4-CC19-187
ET	MARINO WILLIAM & MILDRED T	4-CC19-190
EU	MARINO WILLIAM & MILDRED T	4-CC19-190
EV	ZINK SANDRA DEMARK	4-CC19-145
EW	STATE OF WEST VIRGINIA BUREAU OF COMMERCE DIV OF NAT RESOURC	4-CC19-168
EX	BLAKE LONNIE F	4-CC19-139
EY	CLARK RUSSELL A JR	4-CC19-138
EZ	MACHEN KAREN L	4-CC19-137
FA	DOBBS CYNTHIA & STEVEN	4-CC19-136
FB	DOBBS CYNTHIA & STEVEN	4-CC19-135
FC	VEMURI HOME & GARDEN LLC	4-CC19-133
FD	MACHEN JODIE	4-CC19-132
FE	COEN DARRELL J JR	4-CC19-131
FF	TEMPLE LLOYD	4-CC19-107
FG	RYAN JOSEPH M & BOBBI J (JTWS)	4-CC19-125.1
FH	RYAN JOSEPH M & BOBBI J (JTWS)	4-CC19-124.1
FI	RYAN JOSEPH M & BOBBI J	4-CC19-123
FJ	PARR SARAH ELIZABETH	4-CC19-119
FK	BUCY GERALD L SR & CONSTANCE F	4-CC19-117.1
FL	HOBBS JOYCE ET AL	4-CC19-111
FM	BROOKE COUNTY PARK ASSOCIATION	3-B28-67

*HIGHLIGHTED PARCELS MAY BE IMPACTED BY DRILLING ACTIVITY

02/21/2025

REVISIONS:	4700900346

COMPANY:		 	
OPERATOR'S	GERALD GOURLEY BRK		
WELL #:	6H		
DISTRICT:	COUNTY:	STATE:	DATE:
CROSS CREEK	BROOKE	WV	11-01-2024
			API NO: 47-009-XXXX
			DRAWN BY: Z. WOOD
			SCALE: N/A
			DRAWING NO: 2024-1300
			WELL LOCATION PLAT

**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.

RECEIVED
Office of Oil and Gas

JAN 22 2025

**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: SWN Production Company, LLC

By: Monty Mayfield *Monty Mayfield*

Its: Landman

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
1	4-CC19-103	730109/000	Gerald E. Gourley, single	Great Lakes Energy Partners, L.L.C.	at least 1/8th per WV Code §22-6-8	9/739	0.00%
			Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC, f/k/a, Great Lakes Energy Partners, L.L.C.		20/733	
			Range Resources – Appalachia, LLC	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
			Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
			SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
2	4-CC15-42	732968/003	Betty Ann Williamson Burrough, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	23/381	0.00%
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
			Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
			SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
		732968/004	Eloise Virginia McCombs, f/k/a Eloise V. Bullock, married and dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.		23/559	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480		
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557		
		SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145		

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
16			735886/001	Gerald E. Gourley, single	Chesapeake Appalachia, L.L.C.		14/528	0.00%
17				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
18				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
19				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
20			732968/002	Robert K. Smith, a single man	Chesapeake Appalachia, L.L.C.		23/376	0.00%
21				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
22				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
23				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
24			732968/001	Shelly Smith, a single woman	Chesapeake Appalachia, L.L.C.		23/371	0.00%
25				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
26				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
27				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
28	3	4-CC15-42.1	735827/002	Betty Ann Williamson Burrough, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	14/661	0.00%
29				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
30				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
31				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
32			735827/001	David R. Reed, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.		14/294	0.00%
33				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
34				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
35				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
36			735827/003	Eloise V. McCombs, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.		15/31	0.00%
37				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
38				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
39				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
40		735827/004		Robert K. Smith, a single man, and Shelly Smith, a single woman	Chesapeake Appalachia, L.L.C.		14/762	0.00%
41				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
42				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
43				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
44	4	4-CC19-192	730066/001	Nicholas Jay Ballato, single, and Christopher A. Ballato, Husband; and Ruth V. Ballato, Wife	Great Lakes Energy Partners, L.L.C.	at least 1/8th per WV Code §22-6-8	23/381	0.00%
45				Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC, f/k/a, Great Lakes Energy Partners, L.L.C.		20/733	
46				Range Resources – Appalachia, LLC	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
47				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
48				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
49				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
50			732968/003	Betty Ann Williamson Burrough, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	14/661	0.00%
51				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
52				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
53				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
54			732968/004	Eloise Virginia McCombs, f/k/a Eloise V. Bullock, married and dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	15/31	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
55				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
56				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
57				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
58		735886/001		Robert K. Smith, a single man, and Shelly Smith, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	14/762	0.00%
59				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
60				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
61				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
62	5	4-C19K-57	730109/000	Gerald E. Gourley, single	Great Lakes Energy Partners, L.L.C.	at least 1/8th per WV Code §22-6-8	9/739	0.00%
63				Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC, f/k/a, Great Lakes Energy Partners, L.L.C.		20/733	
64				Range Resources – Appalachia, LLC	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
65				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
66				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
67				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
68				Operator Owned Minerals SWN Production Company, LLC	FEE INTEREST	at least 1/8th per WV Code §22-6-8	396/555	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
69	6	4-CC19-108	736552/000	Neil VanCamp, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	20/149	0.00%
70				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
71				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
72				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
73	7	4-CC19-128	749423/000	John H. Ford and Faye M. Ford, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	20/162	0.00%
74				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
75				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
76				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
77	8	4-CC19-106	733357/000	Victoria M. Foresha, f/k/a Virginia M. Blaskovich and Thomas E. Foresha, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	27/308	0.00%
78				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
79				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
80				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
81	9	4-CC19-130	735941/000	Walter F. Baranowski, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	15/5	0.00%
82				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
83	10	4-CC19-134	749423/000	Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/702	0.00%
84	11	4-C19K-18	749423/000	Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/702	0.00%
85	12	4-CC19-191	749423/000	Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/702	0.00%
86		747806/027		Amber McCullah, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/774	0.00%
87		747806/090		Amy Speis, a divorced woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/716	0.00%
88				Cotenancy Amy Wolfe	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
89			Cotenancy	Andrew Lawrence Myers	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
90			Cotenancy	April Doubles	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
91		747806/007		April L. Russell, divorced	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	46/557	0.00%
92		747806/093		Arthur Coulter, Jr., a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/669	0.00%
93			Pending	Barbara Palmer, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/357	0.00%
94		761269/002		Bernice Francis, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	59/660	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
95			747806/014	Bonnie A. McKee and William G. McKee, Sr., wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/391	0.00%
96			747806/025	Brian L. Henthorn, a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/283	0.00%
97			Cotenancy	Brian Michael Doubles	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
98			747806/003	Bruce T. Michaux and Lisa M. Michaux, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	43/789	0.00%
99			Pending	Bruce T. Michaux and Lisa M. Michaux, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	43/789	0.00%
100			747806/013	Bruce W. DeGarmo, Jr., single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	46/79	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
101			747806/029	Carl R. Smith and Kimberly R. Smith, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/291	0.00%
102			Pending	Carmel A. Swartz, married, dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/486	0.00%
103			747806/092	Carol Carle, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/193	0.00%
104			747806/105	Caroline M. Mendis, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/565	0.00%
105			747806/065	Carrie Warren and Thomas Warren, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/541	0.00%
106			Cotenancy	Cassidy Jeanette Younker	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
107			747806/004	Catherine L. Wolfe, divorced	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/384	0.00%
108			747806/030	Catherine S. Veverka, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/730	0.00%
109				Cotenancy Cathy J. Moose	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
110				Cotenancy Chad Friese	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
111			747806/015	Charles A. Cook, divorced	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/695	0.00%
112			747806/094	Chelsea Holloway, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/549	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
113		747806/084	Cheryl Bluthardt and John Bluthardt, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/383	0.00%
114			Cotenancy Chris A. Hiles	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
115		747806/041	Clifton Leroy Henthorn amd Janette Henthorn, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/347	0.00%
116		747806/040	Crystal M. McCaddon, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/746	0.00%
117		747806/091	Dail Celeste Herrmann- Mehsling and Thomas Mehsling, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/182	0.00%
118			Cotenancy Dana J. Doubles	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
119			747806/067	Danielle Smalley, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/333	0.00%
120			747806/035	Danyle Doubles, a divorced woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/722	0.00%
121			747806/108	Darin Martin, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/368	0.00%
122			747806/046	David C. Heintz and Kathy S. Heintz, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/420	0.00%
123			747806/031	David Coleman and Rosemarie Coleman, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/615	0.00%
124			747806/032	David DeGarmo, a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/754	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
125			747806/102	David F. Morris, Jr. and Shirley Morris, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/631	0.00%
126			747806/083	David M. Himmelrick and Robin L. Himmelrick, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/230	0.00%
127			747806/006	David S. DeGarmo, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	46/37	0.00%
128			Cotenancy	Dawn Renee Stein	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/711	0.00%
129			Cotenancy	Deborah A. Denton	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
130			747806/005	Deborah L. Williams, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	43/782	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
131			747806/036	Delbert A. Morris, a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/161	0.00%
132			747806/053	Denise DeGarmo, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/561	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
133			747806/034	Denise Doubles, a married woman dealing in the sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/623	0.00%
134			Pending	Donald E. Checkan, married, dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	66/33	0.00%
135			747806/073	Donald Moyer and Melissa Moyer, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/533	0.00%
136			747806/018	Donald R. Michaux, Jr. and Susan M. Michaux, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	44/1	0.00%
137			747806/047	Donald W. Junker, a widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/176	0.00%
138			Pending	Donna L. Ruckman f/k/a Donna Hambel, married, dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/195	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
139			747806/111	Donnelly Rachael Smith, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/456	0.00%
140			747806/049	Douglas A. Sarkis and Susan J. Sarkis, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/484	0.00%
141			747806/104	Edna Fuller, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/577	0.00%
142				Edwin C. Churchman and Margaretta Macey Churchman Charitable Cotenancy Trust	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
143			747806/064	Elizabeth Stevens, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/593	0.00%
144			747806/058	Ella Mae Hayman, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/388	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
145			Pending	Emily F. Murphy, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/243	0.00%
146			Cotenancy	Erin C. Moose Crawl	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
147			Pending	Estate of Donald W. Hanlon, by Dail Herrmann-Mehsling, Individually and as Personal Representative	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/351	0.00%
148			Cotenancy	Family Trust / Marital Deduction Trust	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
149			Cotenancy	Frederick C. Hayman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
150			Cotenancy	Frederick C. Hayman, Jr.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
151			747806/023	Gary P. Henthorn Sr., and Cheryl henthorn, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/222	0.00%
152			747806/024	Gary Paul Henthorn, Jr., a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/230	0.00%
153			747806/052	George C. DeGarmo, Jr., a divorced man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/569	0.00%
154			747806/072	Glenn Huff and Terry Huff, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/246	0.00%
155			747806/112	Grace Ingwalson and Paul Ingwalson, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/608	0.00%
156			Cotenancy	Harold L. Doubles, Jr.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
157			747806/043	Harriet A. O'Neil, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/337	0.00%
158			Cotenancy	Harry B. Atwell	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
159			Cotenancy	Jackie Garing	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
160			747806/054	James DeGarmo, a divorced man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/577	0.00%
161			747806/070	James Phillis and Marla K. Phillis, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/423	0.00%
162			Cotenancy	Jamie D. Miller	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
163				Cotenancy Jason Friese	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
164			747806/068	Jeffrey D. Sootin and Gloria Sootin, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/201	0.00%
165			747806/109	Jeffrey Dale Smith, married, dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/386	0.00%
166			747806/079	Jeffrey S. Checkan and Carey Checkan, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/738	0.00%
167			747806/021	Jennifer Lynne Arrick and Matthew D. Arrick, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	46/9	0.00%
168				Cotenancy John L. Wagner	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
169			747806/016	John T. Cook, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/688	0.00%
170				Cotenancy John W. Milligan	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
171				Cotenancy Joseph R. Doubles	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
172			747806/044	Joseph R. Rohrig and Catherine Rohrig, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/168	0.00%
173			747806/076	Joseph W. Checkan and Darlene Checkan, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/89	0.00%
174				Cotenancy Judith A. Sykes	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
175			747806/055	Judith Corrigan, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/722	0.00%
176				Cotenancy Judith Elaine Atwell	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
177			747806/059	Judy L. Stevens, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/601	0.00%
178			747806/056	Kandie Canavan, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/639	0.00%
179			747806/074	Karen DeGarmo, a divorced woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/460	0.00%
180				Cotenancy Karri DeGarmo	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
181				Cotenancy Katherine E. Morris	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
182			747806/045	Keith Michael Henthorn and Melissa Henthorn, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/313	0.00%
183			747806/114	Kelleen Ann Simmonds and Ross Simmonds, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/602	0.00%
184			747806/113	Kenneth Marsh Murphy, married, dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/559	0.00%
185			Pending	Kenneth R. Huff, married, dealign in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/524	0.00%
186			747806/101	Kent Lane Jones, Sr. and Wanda Jones, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/759	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
187			Cotenancy	Kevin D. DeGarmo	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
188			Cotenancy	Laurie Dahl	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
189		747806/066		Leonard Coulter and Debra Coulter, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/284	0.00%
190			Pending	Linda Sypolt, married, dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/589	0.00%
191		747806/099		Lisa Cain and Michael Cain, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/754	0.00%
192		747806/075		Lisa Dawn Morris, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/746	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
193			Cotenancy	Lori Ann Jones	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
194			Pending	Lynn Martin f/k/a Lynn Hamilton, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/446	0.00%
195			Pending	Mark W. Hamilton and Cathy Hamilton, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/536	0.00%
196		747806/039		Marshall Henthorn and Jennie henthorn, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/412	0.00%
197		747806/071		Mary Ann Lerch a/k/a Mary A. Adkins, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/185	0.00%
198		747806/038		Merl J. Bell and Donna Lee Bell, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/246	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
199			747806/010	Mervin F. Wilson and Doreen A. Wilson, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/76	0.00%
200			747806/062	Michael Corrigan, a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/17	0.00%
201				Cotenancy Michael L. Huff	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
202			747806/110	Michael Smith, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/275	0.00%
203			747806/009	Michelle L. DeGarmo, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	46/72	0.00%
204			747806/051	Nancy Jean Dillon, a widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/305	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
205		Pending	Nancy Rice, married, dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/512	0.00%
206		Cotenancy	Nichole Saffles	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
207	747806/008		Pamela J. West, Widowed	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	43/133	0.00%
208	747806/002		Patricia Ann Nichols and Christopher J. Nichols, Wife and Husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	42/735	0.00%
209	747806/060		Patricia Barnhart, a divorced woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/714	0.00%
210		Cotenancy	Paul F. Hill	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
211			747806/096	Paul M.Fest and Rebecca G. Fest, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/701	0.00%
212				Cotenancy Paul Michael Hill	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
213			747806/001	Paula M. Brown, Divorced	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	42/728	0.00%
214			747806/087	Peggy Schilling, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/724	0.00%
215			747806/100	Radiant Life Church	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/238	0.00%
216				Cotenancy Ralph M. Brackin	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
217			747806/048	Ramona E. Orton, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/89	0.00%
218			747806/028	Raymond Rutan and Kimberly Rutan, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/583	0.00%
219			747806/077	Richard C. Wagner and Carol Wagner, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/129	0.00%
220			Pending	Richard J. Checkan, married, dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/117	0.00%
221			Pending	Richard L. Hildebrand, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/440	0.00%
222			747806/017	Richard L. Smith and Donna L. Smith, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	44/279	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
223			747806/057	Richard William Henthorn and Danita Henthorn, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/468	0.00%
224			747806/026	Robert DeGarmo and Stefanie DeGarmo, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/782	0.00%
225			Pending	Robert F. Rohrig	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/567	0.00%
226			Pending	Robert Hawk and Barbara Hawk, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	62/363	0.00%
227			Pending	Robert L. Hambel, married, dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/189	0.00%
228			747806/107	Robert Smith, divorced	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/374	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
229			747806/042	Robert Svoboda and Kimberly Jo Svoboda, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/452	0.00%
230			747806/033	Robert W. Junker and Carol Junker, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/567	0.00%
231			747806/082	Robert Wood and Marcia Wood, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/431	0.00%
232			747806/063	Rodney Green and Melody Elizabeth Hayman Green, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/25	0.00%
233			747806/086	Roger Widner and Rebecca Widner, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/174	0.00%
234			747806/011	Ron E. Michaux and MaryLynn Michaux, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	44/8	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
235		747806/080	Ronald Powers and Joyce Powers, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/399	0.00%
236			Cotenancy Rosemary Wagner	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
237		747806/022	Russell W. DeGarmo, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	46/16	0.00%
238			Cotenancy Ruth E. Frey	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
239		747806/081	Samuel G. Durr, Sr., a widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/407	0.00%
240		747806/061	Sarah Elizabeth Parr, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/508	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
241		Pending	Shawn P. Rohrig	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/573	0.00%
242	747806/106		Sheridan Benton, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	61/659	0.00%
243		Pending	Shirley M. Friese, married, dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/183	0.00%
244	747806/020		Susan A. Malson and William E. Malson, wife and husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/398	0.00%
245	747806/037		Susan Fodor, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	52/18	0.00%
246		Pending	Susan M. McRae	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/561	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
247		747806/088	Susan Porter, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/391	0.00%
248		Operator Owned	SWN Production Company, L.L.C.	FEE INTEREST	at least 1/8th per WV Code §22-6-8	420/451	0.00%
249		747806/097	Teresa Koski, a divorced woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/693	0.00%
250		Pending	The William E. Smith and Gertrude E. Smith Trust, represented by William B. Smith as Trustee and Michelle F. Boesler as Trustee	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/585	0.00%
251		747806/019	Thomas E. Smith and Gloria C. Smith, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/69	0.00%
252		747806/098	Thomas Holloway, a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/254	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
253			747806/085	Todd Smalley, a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/477	0.00%
254			747806/012	Tonya R. DeGarmo, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	45/405	0.00%
255				Cotenancy Unknown Heirs or Assigns of Cecil G. DeGarmo	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
256				Cotenancy Unknown Heirs or Assigns of Louise Blythe	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
257				Cotenancy Unknown Heirs or Assigns of Marjorie Joan Brinker	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%
258			747806/078	Vincent Ricci and Sandra Ricci, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/121	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
259			747806/095	William A. Moyer and Sharon Moyer, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	55/113	0.00%
260			747806/050	William E. Henthorn, a single man	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	53/444	0.00%
261			747806/089	William Gordon Moyer II and Caroline Susan Moyer, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/485	0.00%
262			747806/069	William Kiehl and Barbara L. Kiehl, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	54/415	0.00%
263			Pending	William R. Deisroth, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	63/518	0.00%
264			Cotenancy	William T. Atwell	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	429/558	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
265	13	4-CC23-322	730099/000	Dorothy V. Cook, a single woman	Phillips Production Company	at least 1/8th per WV Code §22-6-8	9/75	0.00%
266				Phillips Production Company	Great Lakes Energy Partners, L.L.C.		9/395	
267				Great Lakes Energy Partners, L.L.C.	Range Resources-Appalachia, LLC		20/733	
268				Range Resources-Appalachia, LLC, f/k/a Great Lakes Energy Partners, L.L.C.	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
269				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
270				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
271				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
272	14	4-CC23-78	730097/000	David W. Haught, Sr., and Genevieve C. Haught, Husband and Wife	Phillips Production Company	at least 1/8th per WV Code §22-6-8	9/31	0.00%
273				Phillips Production Company	Great Lakes Energy Partners, L.L.C.		9/395	
274				Great Lakes Energy Partners, L.L.C.	Range Resources-Appalachia, LLC		20/733	
275				Range Resources-Appalachia, LLC, f/k/a Great Lakes Energy Partners, L.L.C.	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
276				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
277				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
278				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
279	15	4-CC23-86	732192/000	Samuel Hubbard, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	13/381	0.00%
280				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
281				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
282				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
283	16	4-CC23-100	735752/000	Howard Fell as Executor of the Estate of Howard Clare Fell	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	15/323	0.00%
284				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
285	17	4-CC23-329.1			SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	30/693	0.00%
286			744142/007	David M. Hubbard and Nancy Hubbard, husband and wife				
287			744142/002	Douglas H. Hervey and donna Hervey, husband and wife	SWN Production Company, LLC		30/688	0.00%
288			744142/011	Fred Hervey and Cathy Jo Hervey, husband and wife	SWN Production Company, LLC		30/723	0.00%
289			744142/001	James Robert Hervey and Karen L. Hervey, husband and wife	SWN Production Company, LLC		30/728	0.00%
290			744142/005	John Hubbard, a single man	SWN Production Company, LLC		30/683	0.00%
291			744142/008	Marianna Hubbard, a single woman	SWN Production Company, LLC		30/703	0.00%
292			744142/004	Martha Hubbard McEllis and Steve McEllis, wife and husband	SWN Production Company, LLC		30/698	0.00%
293			744142/006	Mary Kathryn Hervey DeGarmo and Alan H. DeGarmo, Wife and Husband	SWN Production Company, LLC		30/745	0.00%
294			744142/009	Russell Hervey, a married man dealing in his sole and sparate property	SWN Production Company, LLC		30/708	0.00%
295			744142/003	Samuel H. Hubbard and Shelba Hubbard, husband and wife	SWN Production Company, LLC		30/713	0.00%
			744142/010	William Judson Hervey, III and Theresa J. Hervey, Husband and Wife	SWN Production Company, LLC		30/718	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
296	18	4-CC23-345	736050/000	Rebecca Ryan, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	15/737	0.00%
297				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
298				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
299				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
300	19	4-CC23-344	735564/000	Kathleen K. Putorti, 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	15/163	0.00%
301				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
302	20	4-CC23-343	735956/000	Timothy Bongiorno and Penny M. Bongiorno, husband and wife	Chesapeake Appalachia, L.L.C.		15/454	0.00%
303				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
304	21	4-CC23-342	735563/000	Dolores McFadden, a widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	15/36	0.00%
305				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
306	22	4-CC23-341	734961/001	Bert M. Morgan and Brenda S. Morgan, Husband and Wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	28/375	0.00%
307				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
308				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
309				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
310			736434/001	Ralph E. Morgan, a married man dealin in his sole and separate property	Chesapeake Appalachia, L.L.C.		19/340	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
311				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
312				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
313				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
314	23	4-CC23-410	732964/000	Pro-Motive, Inc.	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	23/576	0.00%
315				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
316				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
317				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
318			736236/001	Robert W. Swiger, a widower	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	18/63	0.00%
319				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
320				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
321				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
322	24	Washington Pike	733069/000	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	18/723	0.00%
323				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
324				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
325				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
326	25	3-B23S-5	732618/000	Robert Lee Freshwater, a married man acting in his own rights	Chesapeake Appalachia, L.L.C.	n per WV C	20/11	0.00%
327				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
328				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
329				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
330	26	3-B23S-21	732090/000	Gregory W. Walker and Nancy M. Walker, Husband and Wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	19/503	0.00%
331				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
332				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
333				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
334	27	3-B23S-20	732604/000	James David Hartline and Marietta Hartline, Husband and Wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	19/715	0.00%
335				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
336				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
337				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
338	28	3-B23S-25	749881/000	Brooke County Public Service District	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/520	0.00%
339	29	3-B23S-26	749881/000	Brooke County Public Service District	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/520	0.00%
340	30	3-B23S-30	749881/000	Brooke County Public Service District	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/520	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
341	31	3-B23S-29	749881/000	Brooke County Public Service District	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/520	0.00%
342	32	3-B28D-60	735496/000	Franklin Cemetery Association, a Corporation	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	13/774	0.00%
343				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
344				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
345				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
346	33	3-B28D-61	729499/000	Franklin Cemetery Association, a Corporation	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	13/786	0.00%
347				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
348				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
349				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
350	34	Pierce Run Road	733069/000	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	18/723	0.00%
351				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
352				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
353				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	

EXHIBIT "A"

Gerald Gourley BRK 6H
Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
367				Range Resources – Appalachia, LLC,	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
368				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
369				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
370				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
371				Talisman Energy USA Inc., f/k/a Fortuna Energy Inc.	SWN Production Company, LLC		32/390	
372		729976/002		Virginia Gist Abbit, single	Fortuna Energy Inc.	at least 1/8th per WV Code §22-6-8	10/67	0.00%
373				Fortuna Energy Inc.	Range Resources – Appalachia, LLC, f/k/a, Great Lakes Energy Partners, L.L.C.		10/171	
374				Range Resources – Appalachia, LLC,	Chesapeake Appalachia, L.L.C. and Statoil USA Onshore Properties Inc.		10/552	
375				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
376				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
377				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
378				Talisman Energy USA Inc., f/k/a Fortuna Energy Inc.	SWN Production Company, LLC		32/390	
379	37	3-B29E-1	747650/001	Jay M. Potter, a married man, dealing herein with his separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	39/282	0.00%
380			747650/005	John P. Potter, married, dealing with his separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	42/302	0.00%

EXHIBIT "A"
 Gerald Gourley BRK 6H
 Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
381			747650/002	Penny Potter Sauve', a married woman, dealing herein with her separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	39/267	0.00%
382	38	3-B29E-19	747943/000	Joseph F. Caruso and Elizabeth A. Caruso, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	42/49	0.00%
383	39	3-B29J-7	747071/000	John G. Radvansky, a widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	39/392	0.00%
384	DW	3-B23S-31	749881/000	Brooke County Public Service District	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	56/520	0.00%
385	EA	3-B23S-22	732091/000	Matthew D. Matteson and Amy R. Matteson, Husband and Wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	19/508	0.00%
386				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
387				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
388				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
389	EE	4-CC23-410.1	732964/000	Pro-Motive, Inc.	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	23/576	0.00%

EXHIBIT "A"

Gerald Gourley BRK 6H
Brooke County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

	Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
390				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
391				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
392				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
393	EG	4-CC23-348	737889/000	David Charlesworth, single	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	25/77	0.00%
394				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
395	FF	4-CC19-107		Neil VanCamp, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	20/149	
396				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		30/480	
397				Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC		30/557	
398				SWN Exchange Titleholder LLC	SWN Production Company, LLC		21/145	
399								
400	*Potentially Impacted Parcels - Parcels that may be impacted during drilling.							
401	*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.							
402	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.							

4700900346



SWN Production Company, LLC
1300 Fort Pierpont Dr, Ste 201
Morgantown, WV 26508
Tel: 304 884 1610
Fax: 304 471 2497
www.swn.com

January 9, 2024

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

RE: SWN's proposed New Well: Gerald Gourley BRK 6H in Brooke County, West Virginia, Drilling under Bonnie Beth Drive, Brook Hills Park Road, Pierce Run Road, Gist Drive, Pot Rock Road, Fowler Hill Road, Cross Creek Road, Tent Church Road, Manor Drive, Murphys Lane, Ralph Drive, St. Johns Road, Washington Pike.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Bonnie Beth Drive, Brook Hills Park Road, Pierce Run Road, Gist Drive, Pot Rock Road, Fowler Hill Road, Cross Creek Road, Tent Church Road, Manor Drive, Murphys Lane, Ralph Drive, St. Johns Road, Washington Pike. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Monty Mayfield
Landman
SWN Production Company, LLC

RECEIVED
Office of Oil and Gas

JAN 22 2025

WV Department of
Environmental Protection



The Right People doing the Right Things,
wisely investing the cash flow from our
underlying Assets, will create Value+SM

02/21/2025

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: Brooke County Review

Public Notice Date: September 27, 2024 & October 4, 2024

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: SWN Production Company, LLC **Well Number:** Gerald Gourley BRK 6H

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Business Conducted: Natural gas production.

Location –

State:	<u>West Virginia</u>	County:	<u>Brooke</u>
District:	<u>Cross Creek</u>	Quadrangle:	<u>Steubenville East</u>
UTM Coordinate NAD83 Northing:	<u>4,463,187</u>		
UTM coordinate NAD83 Easting:	<u>537,401</u>		
Watershed:	<u>Upper Ohio South</u>		

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 <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> 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 57th 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 DEP.comments@wv.gov.

Submitting Comments:

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, 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: www.dep.wv.gov/oil-and-gas/pages/default.aspx

RECEIVED
Office of Oil and Gas
JAN 22 2025
02/21/2025
WV Department of
Environmental Protection

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

Date of Notice Certification: 1/16

API No. 47- 009 -
Operator's Well No. Gerald Gourley BRK 6H
Well Pad Name: Gerald Gourley BRK

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>537400.67</u>
County:	<u>009-Brooke</u>		Northing:	<u>4463186.81</u>
District:	<u>Cross Creek</u>	Public Road Access:	<u>St. John Road</u>	
Quadrangle:	<u>Steubenville East</u>	Generally used farm name:	<u>Gerald Gourley</u>	
Watershed:	<u>Upper Ohio South</u>			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY		OOG OFFICE USE ONLY
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	<input type="checkbox"/> RECEIVED/ NOT REQUIRED	
<input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED	<input type="checkbox"/> RECEIVED	
<input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	<input type="checkbox"/> RECEIVED/ NOT REQUIRED	
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION	<input type="checkbox"/> RECEIVED	
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE	<input type="checkbox"/> RECEIVED	
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION	<input type="checkbox"/> 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.

Office of Oil and Gas
JAN 22 2025
WV Department of Environmental Protection
02/21/2025

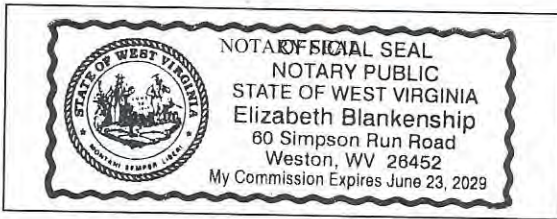
Certification of Notice is hereby given:

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: SWN Production Co., LLC
By: Brittany Woody
Its: Staff Regulatory Specialist
Telephone: 304-884-1610

Brittany Woody

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Facsimile: 304-884-1690
Email: Brittany_Woody@swn.com



Subscribed and sworn before me this 23 day of September 2024
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

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.

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

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: 1/16 Date Permit Application Filed: 1/16

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A 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:

SURFACE OWNER(s)

Name: Gerald Grouley
Address: 3235 Eldersville Road
Colliers WV 26035

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: Kentucky River Energy LLC
Address: 1018 Forest Hill Drive
Lawrenceburg KY 40342

COAL OPERATOR

Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: None
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

RECEIVED
Office of Oil and Gas

JAN 22 2025

WV Department of
Environmental Protection

02/21/2025

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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

RECEIVED
Office of Oil and Gas

APR 21 2025
WV Department of Environmental Protection

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

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-10(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

RECEIVED
Office of Oil and Gas
JAN 22 2025

WV Department of
Environmental Protection

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.**

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 <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> 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
JAN 22 2025
WV Department of
Environmental Protection

02/21/2025

Notice is hereby given by:

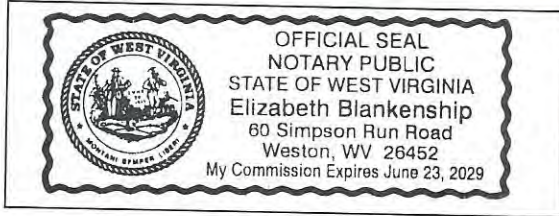
Well Operator: SWN Production Co., LLC
Telephone: 304-884-1610
Email: Brittany_Woody@swn.com

Brittany Woody

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 deprivacyofficer@wv.gov.



Subscribed and sworn before me this 23 day of September 2024
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

02/21/2025

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 provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 9/9/2024 **Date of Planned Entry:** 9/16/2024

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)
 Name: Gerald G. Gourley
 Address: 3235 Eldersville Road
Colliers, WV 26035
 Name: _____
 Address: _____
 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: Kentucky River Energy, LLC
 Address: 1018 Forest Hill Drive
Lawrenceburg, KY 4032

MINERAL OWNER(s)
 Name: Gerald E. Gourley
 Address: 3235 Eldersville Road
Colliers, WV 26035
 *please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>40.321060, -80.562290</u>
County: <u>Brooke</u>	Public Road Access: <u>St. John Road</u>
District: <u>Cross Creek</u>	Watershed: <u>Upper Ohio South</u>
Quadrangle: <u>Steubenville East</u>	Generally used farm name: <u>Gerald Grouley BRK</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: SWN PRODUCTION COMPANY, LLC
 Telephone: 304-884-1610
 Email: Brittany_Woody@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
 Facsimile: 304-884-1690

RECEIVED
 Office of Oil and Gas
 JAN 22 2025
 WV Department of
 Environmental Protection

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.

02/21/2025



4700900346

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager
District Four

Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E.
Deputy Secretary of Transportation
Deputy Commissioner of Highways

Jimmy Wriston, P. E.
Secretary of Transportation
Commissioner of Highways

November 21, 2024

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

Subject: DOH Permit for the Gerald Gourley Well Pad, Brooke County
Gerald Gourley BRK 1H Well Site
Gerald Gourley BRK 6H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2012-0311 which has been issued to SWN Production Company, LLC for access to the State Road for a well site located off Brooke County Route 14 SLS MP 1.11.

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

Cc: Brittany Woody
SWN Production Company, LLC
OM, D-6
File

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

02/21/2025

Attachment VI Frac Additives

4700900346

Product Name	Product Use	Chemical Name	CAS Number
HCL	Solvent	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
FSTI-CI-02	Corrosion Inhibitor	2-Butoxyethanol	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)- .omega.-hydroxy-	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	12125-02-9
		Sodium Chloride	7647-14-5
Plexaid 655NM	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		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	Chemstream-Alkane-00001
		Chemstream-Polymer-00001	Chemstream-Polymer-00001
		Ethoxylated alcohols (C12-16)	68551-12-2
		Water	7732-18-5
StimSTREAM FR 2800	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

As of 7/5/2023.

RECEIVED
Office of Oil and Gas

JAN 22 2025

WV Department of
Environmental Protection

02/21/2025

OPERATOR: SWN Production Co., LLC WELL NO: Gerald Gourley BRK 6H

PAD NAME: Gerald Gourley BRK

REVIEWED BY: _____ SIGNATURE: Bethany Woody

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

****Pad Built 10/19/12**

At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR

DEP Waiver and Permit Conditions

At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR

DEP Waiver and Permit Conditions

At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR

DEP Waiver and Permit Conditions

At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR

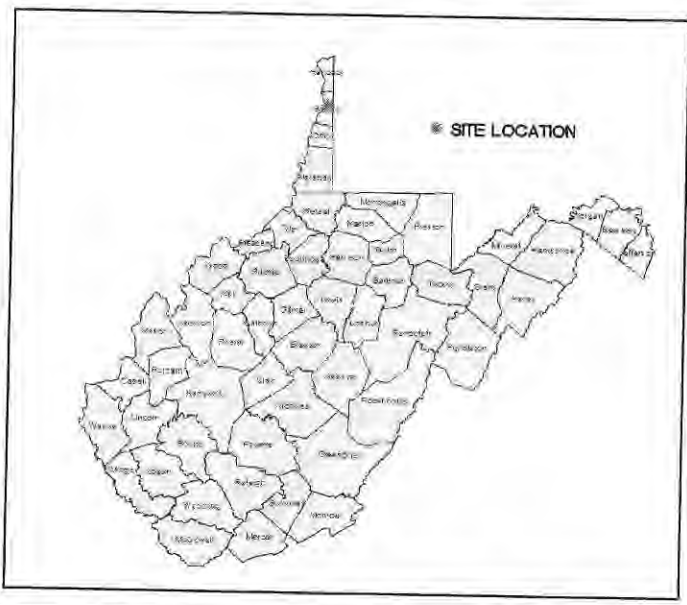
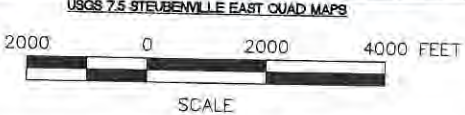
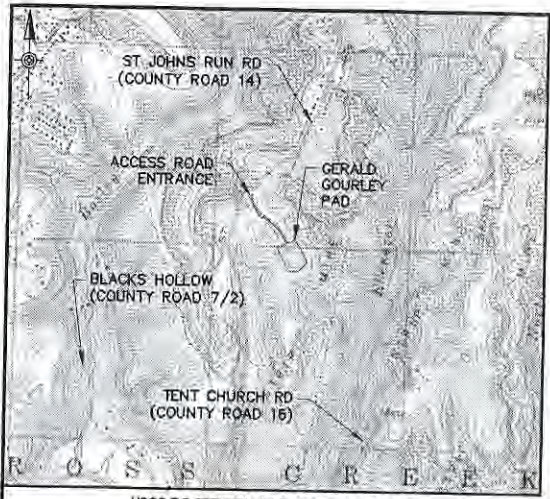
Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection

02/21/2025

4700900346



GERALD GOURLEY PAD AS-BUILT AND RECLAMATION PLAN

CROSS CREEK DISTRICT, BROOKE COUNTY, WV
JULY 2017

RECEIVED
Office of Oil and Gas
JAN 22 2025
WV Department of
Environmental Protection



**COORDINATES:
SITE ENTRANCE**
(NAD83)
LAT: 40.320953
LONG: 80.562220

PAD ENTRANCE
(NAD83)
LAT: 40.318818
LONG: 80.559959

CENTER OF PAD
(NAD83)
LAT: 40.318281
LONG: 80.559636

EXISTING WELLS:
GERALD GOURLEY BRK 3H
API: 47-009-000149
(NAD83)
LAT: 40.318425
LONG: 80.559752

GERALD GOURLEY BRK 8H
API: 47-009-000140
(NAD83)
LAT: 40.318336
LONG: 80.559773

ENGINEERING ESTIMATE OF QUANTITIES		
WELL SITE PAD DATA (DRILLING)		
INSTALL MOUNTABLE BERM	17	CY
SEED & MULCH DISTURBED MATERIAL PILE	75	SY
12" COMPOST SOCK	196	LF
RIP-RAP AT SUMP DISCHARGE	18	CY
STONE FOR PAD SURFACE REPAIR AND MOUNTABLE BERM STONE SURFACING	10	CY
WELL SITE PAD DATA (RECLAMATION)		
REMOVE SUMP	3	EA
REMOVE 6" CPP	1	EA
BREACH BERM	4	EA
10' WIDE RIP-RAP DISCHARGE CHANNELS	90	CY

TOTAL DISTURBED AREA: 16.5 ACRES
ROAD DISTURBED AREA: 6.2 ACRES
PAD DISTURBED AREA: 10.3 ACRES



MISS Utility of West Virginia
1-800-245-4848
West Virginia State Law
(Section XIV, Chapter 24-C)
Requires that you call two
business days before you dig in
the state of West Virginia.
IT'S THE LAW!

- SHEET INDEX**
- 1 COVER SHEET
 - 2-3 EVACUATION ROUTE/PREVAILING WINDS
 - 4 AS-BUILT OVERALL PLAN SHEET INDEX
 - 5-6 AS-BUILT PLAN SHEETS
 - 7 AS-BUILT ROAD PROFILES
 - 8 RECLAMATION OVERALL PLAN SHEET INDEX
 - 9-10 RECLAMATION PLAN SHEETS
 - 11-16 DETAILS

Strader Gower
9/25/2024

DESIGN CERTIFICATION
THE DRAWINGS, CONSTRUCTION NOTES, AND REFERENCE DIAGRAMS ATTACHED HERETO HAVE BEEN PREPARED IN ACCORDANCE WITH THE WEST VIRGINIA CODE OF STATE RULES, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CSR 35-8.

NO.	DATE	ISSUE / REVISIONS
1	7/18/2017	FINAL REVISIONS
2	8/15/2017	AS-BUILT PLAN COMMENTS

COVER SHEET
GERALD GOURLEY PAD AS-BUILT / RECLAMATION PLAN
CROSS CREEK DISTRICT BROOKE COUNTY, WEST VIRGINIA

Larson Design Group • Architects Engineers Surveyors
2502 Cranberry Square
Morgantown, WV 26508
PHONE 304.777.2940 TOLL FREE 877.323.6603
FAX 570.323.9302 • www.larsondesigngroup.com

SWN Production Company, LLC
179 Innovation Drive
Jane Lew, WV 26376
PHONE 304.864.1622

SHEET NO: **1 OF 16**
PROJECT NO: 7688-014-002