

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Friday, October 25, 2019 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for SHAWN HARLAN MSH 210H

47-051-02274-00-00

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: SHAWN HARLAN MSH 210H

SCOTT L. HARLAN AND SHA Farm Name:

U.S. WELL NUMBER: 47-051-02274-00-00

Horizontal 6A New Drill Date Issued: 10/25/2019

API	Number:	
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PERMIT CONDITIONS 4 7 0 5 1 0 2 2 7 4

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. 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.

API Number:	

PERMIT CONDITIONS

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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.

4705 02274

API NO. 47-051 -

OPERATOR WELL NO. Shawn Harlan MSH 210H
Well Pad Name: Shawn Harlan MSH

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

1) Well Operator: SWN Pro	oduction Co., LLC	494512924	051-Marsha	7-Liberty	438-Littleton
		Operator ID	County	District	Quadrangle
2) Operator's Well Number:	Shawn Harlan MS	SH 210H Well P	ad Name: Shaw	n Harlan M	ISH
3) Farm Name/Surface Owne	er: Scott L. Harlan & Shaw	n Harlan Public Ro	oad Access: Gre	enfield Roa	ad
4) Elevation, current ground:	1391' E	levation, propose	d post-construction	on: 1391'	
5) Well Type (a) Gas X Other	Oil	Un	derground Storag	ge	
(b)If Gas	Shallow x	Deep			
I	Horizontal X			Ne 12/	19
6) Existing Pad: Yes or No	Yes		_ (1 7 21	
7) Proposed Target Formation Target Formation- Marcellus, Down-Dip					ssociated Pressure- 4879
8) Proposed Total Vertical De	epth: 7486'				
9) Formation at Total Vertica	al Depth: Marcellus	S			
10) Proposed Total Measured	d Depth: 20,512'				
11) Proposed Horizontal Leg	Length: 12,598.7	'0'			
12) Approximate Fresh Wate	r Strata Depths:	489'			
13) Method to Determine Fre	esh Water Depths:	Nearby Well & S	Salinity Profile		
14) Approximate Saltwater D	Depths: 750' Nearb	y Well			
15) Approximate Coal Seam	Depths: 1116'				
16) Approximate Depth to Po	ossible Void (coal m	ine, karst, other):	None that we	are aware	of
17) Does Proposed well locat directly overlying or adjacent		Yes	No.	X	
(a) If Yes, provide Mine Inf	fo: Name:				
	Depth:				
	Seam:			RECEIVED	
	Owner:		0	ffice of Oil and	Gas

SEP 1 8 2019

WW-6B (04/15) 47 05 02274 API NO. 47-051

OPERATOR WELL NO. Shawn Harlan MSH 210H

Well Pad Name: Shawn Harlan MSH

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	589'	589'	557 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2680'	2680'	1033 sx/CTS
Production	5 1/2"	New	HP-110	20#	20512'	20512'	lead 537sx tail 3460sx/100' inside interne
Tubing							
Liners							

Jul 2/19

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	See	Interm. Casing					
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/50% Excess
Tubing							
Liners							

PACKERS

Kind:		
Sizes:		
Depths Set:		

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API NO. 47-051 5 0 2 2 7 4

OPERATOR WELL NO. Shawn Harlan MSH 210H

Well Pad Name: Shawn Harlan MSH

01/21

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 water, sand and chemical additives at a high rate. The well will be produced through surface facilities consisting of high pressure production units, vertical separation units, water and oil storage tanks. Max pressure and anticipated max rate ~9000 psig @ 100 barrels per minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 11.2
- 22) Area to be disturbed for well pad only, less access road (acres): 7.3
- 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.

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*Note: Attach additional sheets as needed.

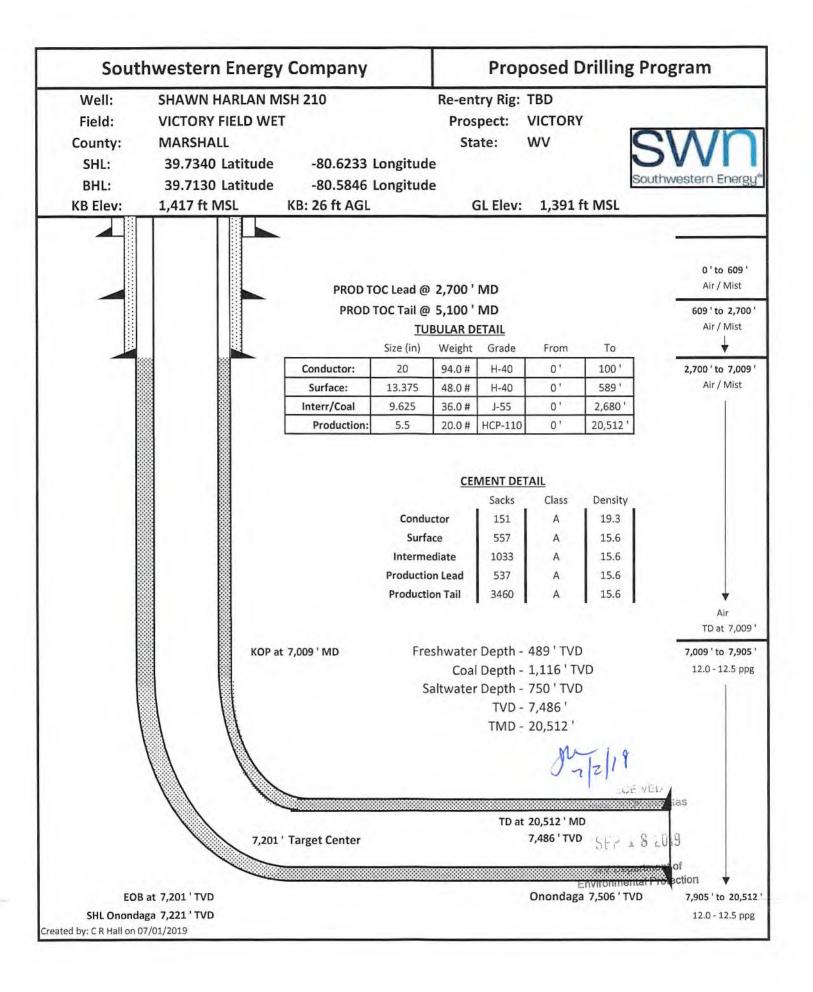
Schlumberger Cement Additives

	Product Name	Product Use	Chemical Name	CAS Number
Surface	5001	accelerator	calcium chloride up to 3%	10043-52-4
Intermediate Surface	5001	accelerator	calcium chloride	10043-52-4
-	D080	dispersant	sodium polynaphthalene sulfonate	9008-63-3
0 8	D801	retarder	aromatic polymer derivative	propriatary
Kick Off Plug	D047	antifoam	polypropylene glycol	25322-69-4
	D167	fluid loss	aliphatic amide polymer	propriatary
	D154	extender	non-crystalline silica	7631-86-9
	D400	gas migration	boric acid	10043-35-3
			polypropylene glycol	25322-69-4
pe	D046	antifoam	fullers earth (attapulgite)	8031-18-3
Production-Lead			chrystalline silica	14808-60-7
5	D201	retarder	metal oxide	propriatary
onpo			sulphonated synthetic polymer	propriatary
Pro	D202	dispersant	formaldehyde (impurity)	propriatary
			polypropylene glycol	25322-69-4
	D046	antifoam	fullers earth (attapulgite)	8031-18-3
	D167	fluid loss	aliphatic amide polymer	propriatary
=			sodium polynaphthalene sulfonate	9008-63-3
1	D065	dispersant	sodium sulfate	7757-82-6
Production-Tall			chrystalline silica	14808-60-7
npc	D201	retarder	metal oxide	propriatary
Pre	D153	anti-settling	chrystalline silica	14808-60-7

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API	Operator	Status	Latitude	Longitude	Vertical TD	Vertical TD Producing Formation	Producing Zones Not Perforated
51-00467	Columbia Gas Transmission, LLC, 1700 MacCorkle Avenue SE, Charleston , WV 25314	Active Storage Well	unknown	unknown	2155	2155 Big Injun	Maxton Sand, Third Salt Sand
31-00608	Columbia Gas Transmission, LLC, 1700 MacCorkle Avenue SE, Charleston , WV 25314	Active Storage Well	unknown	unknown	1970	1970 Big Injun	Maxton Sand, Third Salt Sand
1-00423	051-00423 Columbia Gas Transmission, LLC, 1700 MacCorkle Avenue SE, Charleston , WV 25314	Active Storage Well	unknown	unknown	2207	2207 Big Injun & Maxton	Big Lime, 2nd Salt Sand
51-00813	Leatherwood Inc. 1800 Washington Road, Pittsburgh, PA 15241	Active	unknown	unknown	3142	3142 Gordan Sand	Big Lime, Third Salt Sand
51-00706	Leatherwood Inc. 1800 Washington Road, Pittsburgh, PA 15241	Active	unknown	unknown	3320	3320 Gordon	Slate & Lime
51-73292	Unknown	Unknown	unknown	unknown	Unknown Unknown	Unknown	unknown

WW-9 (2/15)

API	Number	47 -	051		-
				4200	

Operator's Well No. Shawn Harlan MSH 210H

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) Laurel Run of Fish Creek Quadrangle Littleton	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	No
Will a pit be used? Yes □ No ✓	
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 34-155-22403, 34-059-24057, 34-119-28776, 34-167-23862, 34-155-22	
Reuse (at API Number at next anticipated well, API# will be included with the WR-34/DDMR &/or per Off Site Disposal (Supply form WW-9 for disposal location)	rmit addendum.
Other (Explain flow back fluids will be put in steel tanks and reused or taken to a permit	ted disposal facility
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.	, fluid drill with SOBM from KOP to TO
-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 MSWL01 Argen Langfill 10072, Apex Sanitary Langfill 06-08438, Brooke Co SVVF-1013, V	8781, Wetzel County 1021 alley 100280
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permitte where it was properly disposed.	
Company Official Signature State Company Official (Typed Name) Brittany Woody Swn Pro	ion. I understand that the it and/or other applicable mation submitted on the nediately responsible for
Subscribed and sworn before me this 24th day of 400 11 , 20 19	Office of Oil dire 344
	SEP 1 8 2019
My commission expires $7 - 20 - 20$	WV Department of Environmental Protection
my commission expires 1 50 50	EMIGUITA

Operator's Well No. Shawn Harlan MSH 210H

Proposed Revegetation Treatment: Acres Disturbed 11.2 Lime as determined by pH test min. 2 Tons/acre or to correct to pH 7.3 Fertilizer type 10-20-20 Fertilizer amount 600 Ibs/acre Mulch Hay/Straw 2.5 Tons/acre Seed Mixture Temporary Seed Type Ibs/acre Attachment 3C Attach: Drawing(s) of road, location, pit and proposed area for land application (norovided) Photocopied section of involved 7.5' topographic sheet.	s Perma Seed Type	Ibs/acre
Fertilizer type 10-20-20 Fertilizer amount 600	Perma Seed Type	Ibs/acre
Fertilizer amount 600	Perma Seed Type	Ibs/acre
Mulch Hay/Straw 2.5 Seed Mixture Temporary Seed Type Ibs/acre Attachment 3C Attach: Drawing(s) of road, location, pit and proposed area for land application (arovided)	Perma Seed Type	Ibs/acre
Seed Type Ibs/acre Attachment 3C Attach: Drawing(s) of road, location, pit and proposed area for land application (provided)	Perma Seed Type	Ibs/acre
Seed Type Ibs/acre Attachment 3C Attach: Drawing(s) of road, location, pit and proposed area for land application (provided)	Seed Type	Ibs/acre
Attachment 3C Attach: Drawing(s) of road, location, pit and proposed area for land application (rovided)		
Attach: Orawing(s) of road, location, pit and proposed area for land application (or provided)	ınless engineered plans inc	cluding this info have bee
Drawing(s) of road, location, pit and proposed area for land application (provided)	ınless engineered plans inc	cluding this info have bee
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rovided)	inless engineered plans inc	cluding this into have bee
hotocopied section of involved 7.5' topographic sheet.		
가게 하는 이 이 바다 가는 이 사람들은 이 사람들이 되어 있다. 이 사람들이 보고 있다면 보다 보다 보다 보다 하는데		
1 - 2		
Comments:		
		-
Title: Oil and Gas Inspector Date:	5/29/19	

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Attachment 3A

CLOSED LOOP SYSTEM

The closed loop system is designed to eliminate the use of reserve pits by providing a higher level of solids control processing and using steel pits for capture of drill cuttings. The cuttings are then processed to achieve landfill requirements before hauling to approved landfills. The liquids are processed to recycle into the active mud system or to transfer to onsite temporary storage as needed.

The closed loop system consists of several sets of a shale gas separator (often called a 'methana'), several banks of solids shakers, high speed centrifuges (1 or 2) used to process the fluid portion of the mud system to remove low gravity solids, low speed centrifuge used for barite recovery in high weight liquid drilling systems, a dewatering system (for air intervals and if freshwater mud systems are in use) used to further clean liquids by flocculation and additional mechanical separation, associated open top tanks for processing liquids and capturing solids for disposal, and transfer pumps to move fluids through the processes. There is an area adjacent to the cuttings tanks (Red Zone) where a track hole is utilized to recover the processed cuttings for loading into containers for hauloff. (See attached schematic of a generic closed loop system layout)

Below are discussions of the processes used when drilling the air interval or liquids interval.

AIR DRILLING INTERVALS

During air drilling operations, flow from the rig will pass down the flowline to the Shale Gas Separater (sometimes called a methane) where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. Solids pass into the cuttings tanks where they are captured for drying and hauloff to an approved landfill site. Liquids fall into a shaker tank and are collected by a centrifugal pump to be processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low gravity solids before being reused or transferred to onsite storage.

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

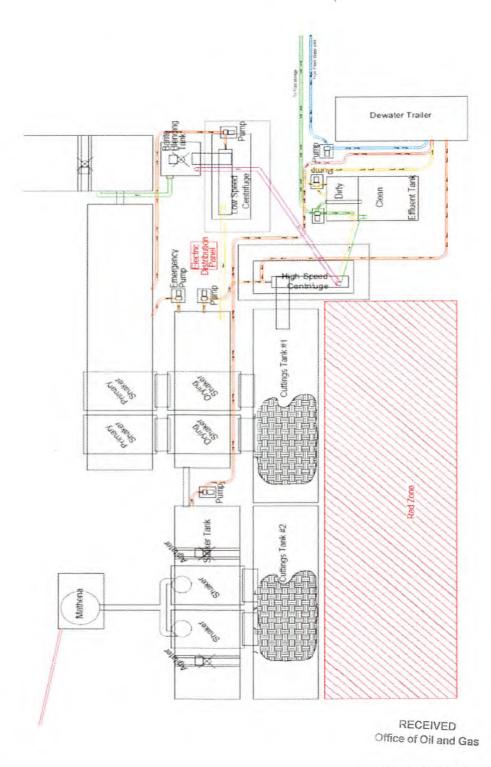
When drilling is converted to liquids drilling, the shale gas separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached to the cutting are recovered out the tank and processed through the low gravity (high speed) and barite recovery centrifuges (low speed) to further remove low gravity solids and to recover barite for reuse in the mud systems.

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EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM





Solids Control Layout

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Attachment 3B Drilling Mediums

Surface/Coal(if present)/Freshwater Intervals:

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present):

Air

Brine (In Gas Storage areas)

Organophilic Bentonite

Production Hole:

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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Apply @ 50lbs per acre

Apply @ 25lbs per acre

Swamp Verbena

Woolgrass

April 16th- Oct. 14th

2.5% 2.5% 2.5% 2.5%

2% 2%

Maryland Senna

Showy Tickseed

Fox Sedge Soft Rush Oct. 15th-April 15th

NO FERTILIZER OR LIME INSIDE WETLAND LIMITS



NON-ORGANIC PROPERTIES

Seed Mixture: ROW Mix

Orchardgrass

Imothy

WVD Seeding Specification

SWN Supplied

15% 15%

2% 2% 2% 2% 2%

Medium Red Clover

White Clover

Brown Top Millet Annual Ryegrass

Red Top

Pelletized Lime @ 2 Tons per Acre Apply @ 2001bs per acre Oct. 15th- April 15th **SWN Supplied SWN Supplied** WETLANDS (delineated as jurisdictional wetlands) (please allow 7 to 10 days for delivery) 20% 20% 20% Seed Mixture: SWN Production Organic Mix Organic Fertilizer @ 200lbs per Acre Apply @ 100lbs per acre April 16th- Oct. 14th Seed Mixture: Wetland Mix ORGANIC PROPERTIES Organic Red or White Clover Organic Red or White Clover Organic Perennial Ryegrass To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi_eddy@swn.com Organic Timothy innoculated at 5x normal All legumes are 30lbs per acre of Winter Wheat *Apply @ 500lbs per Acre Apply @ 2 Tons per Acre Oct. 15th- April 15th PLUS Apply @ 200lbs per acre rate

VA Wild Ryegrass 20% Annual Ryegrass 20% Fowl Bluegrass 20% Cosmos 'Sensation' 10% Redtop 5% Golden Tickseed 5%		50.000000000000000000000000000000000000
-E	VA Wild Ryegrass	20%
	Annual Ryegrass	20%
	Fowl Bluegrass	20%
	Cosmos 'Sensation'	10%
	Redtop	2%
	Golden Tickseed	2%

*unless otherwise dictated by soil test results

seding Calculation Informa

Apply @ 100lbs per acre April 16th- Oct. 14th

Rough Bluegrass **Birdsfoot Trefoil**

SOIL AMENDMENTS

10-20-20 Fertilizer

Pelletized Lime

1452' of 30' ROW/LOD is One Acre 871' of 50' ROW/LOD is One Acre 622' of 70' ROW/LOD is One Acre Every 622 Imear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb

Special Considerations:

Landowner 致聲ial consider舞ions including CREP program participants require additional guidance th親 ianot 對如 here. Discuss these requirements with SWN supervision at the beginning o聲the project to allow time for special seed delivery.

Rev. 5/22/2018

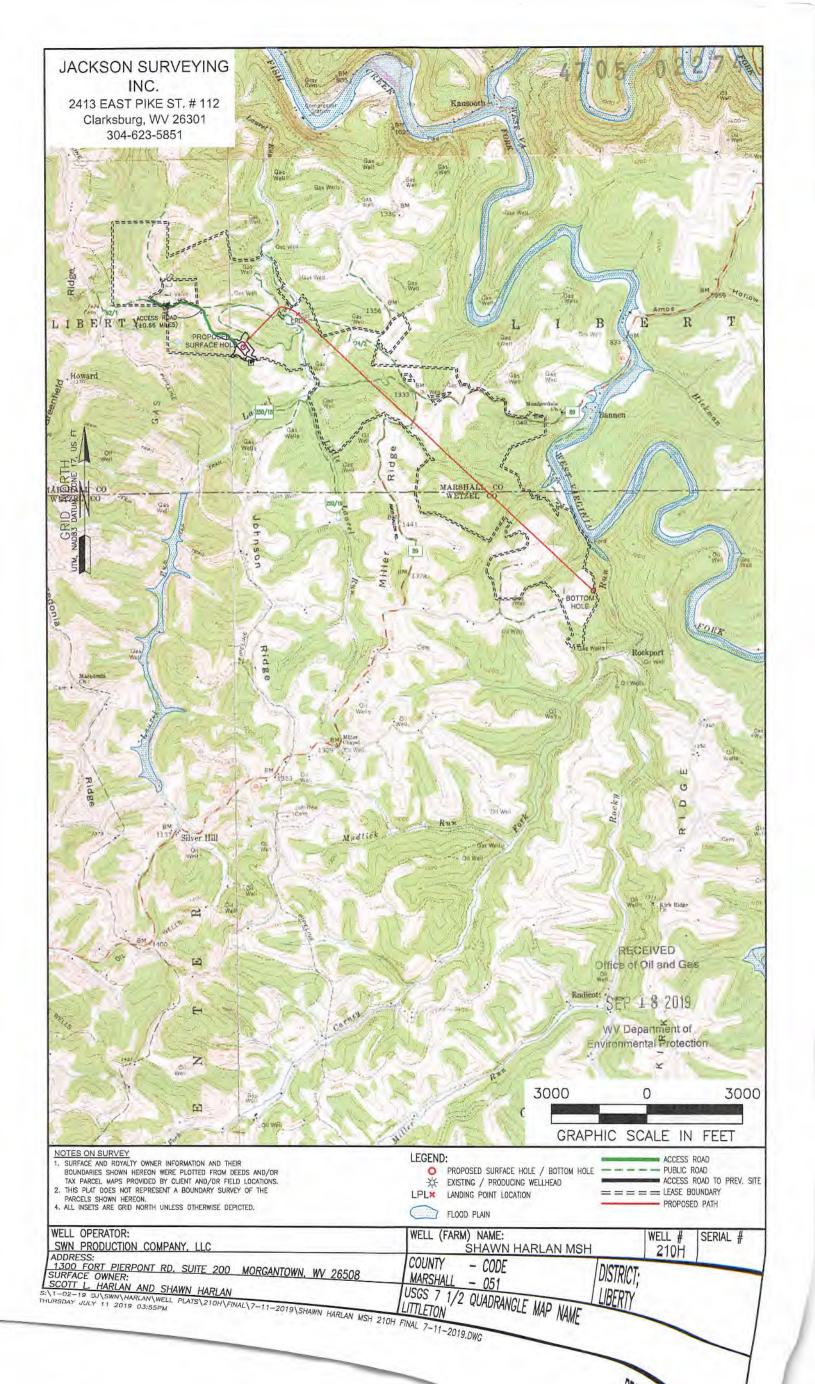
MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



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

API NO. 47-XXX-XXXXX WELL NAME: Shawn Harlan MSH 210H Littleton QUAD Liberty DISTRICT Marshall COUNTY, WEST VIRGINIA

Submitted by:		
Name: <u>Brittany Woody</u> Buttany Woody	Date: <u>5/22/2019</u>	
Title: Senior Regulatory Analyst	SWN Production Co., LLC	
Approved by:		
Name: Jun Mulder	Date: 5/29/19	
Approved by:		
Name:	Date:	RECEIVED
Γitle:		Office of Oil and Gas
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SWN PRODUCTION COMPANY, LLC -	- CONFIDENTIAL	WV Department of



==== LEASE BOUNDARY

- PROPOSED PATH

EXISTING / PRODUCING WELLHEAD

LANDING POINT LOCATION

EXISTING WATER WELL

EXISTING SPRING

LPL×

(8)

DRAWING NO

WELL LOCATION PLAT

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112 Clarksburg, WV 26301 304-623-5851

	WELL BORE TABLE FOR SURFACE / ROYALTY OWN	NERS
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SCOTT L. HARLAN & SHAWN D. HARLAN (S) JANET E. WILBUR A/K/A JANET T. WILBUR, A/K/A JANET E. TEAGARDEN WILBUR, DAVID A. TEAGARDEN, EVA T. STALKER (EVA T. STALKER, TRUSTEE OF THE EVA T. STALKER TRUST, DATED DECEMBER 28, 1989), JEANNE G. DECLUE (THE JEANNE GOVRO DE CLUE, REVOCABLE LIVING TRUST UDT JULY 9, 2001), STEPHEN E. JUSTMAN, HAYHURST COMPANY (CHESTNUT HOLDINGS, INC.), JACK HAMMERS, PAUL HAMMERS, TWILA ORA WHIPKEY (TWILA ORA WHIPKEY TRUST DATED 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE), TONI JO MASON, ERICA M. MASON, O.E. BURGE (ONWARD E. BURGE, SARAH L. BURGE AND STEPHEN W. BURGE, TRUSTEES OF THE ONWARD E. BURGE TRUST DATED JUNE 21, 2010 & SARAH L. BURGE, ONWARD E. BURGE AND STEPHEN W. BURGE, TRUSTEES OF THE SARAH L. BURGE TRUST DATED JUNE 21, 2010), A.L. EVANS AND RACHEL EVANS, (DONNA K. ALLEN, MARY LOU KITTELBERGER, DEBRA A. LIKAVEC AND JOHN D. LIKAVEC, NANCY JO BLOCK, CHAD E. LONGFELLOW, HOLLY A. LONGFELLOW, TRACY L. BARNBY, LLOYD R. EVANS, GLORIA STINE, ROBERT W. CUBBAGE, CLIFFORD CUBBAGE, ROBBERT W. CUBBAGE, KAREN CUBBAGE, DALE E. WORKMAN, SANDRA E. RUSH, ERMA NELDA JEFFERSON, LAURA K. BAKER, DEBORAH A. COLLINS, PATTY D. JEFFERSON, JOYCE L. LAMB, STACY L. LYONS CARLA CARSWELL DAVIS, MEL TODD CARSWELL, JENNIFER CARSWELL BRIERE, FRANK K. BONACICH, JR., JEAN J. MEIER, FRANK K. BONACICH, JR., JEAN J. MEIER, HOWARD RAY FURBEE, ROBERT DALE FURBEE, DOROTHY EVANS, ELLEN G. KIRKBRIDE, DARLENE KAY ALBORN, MARLENE FAY WAGMILLER, ELMER DEAN EVANS, JACK HAMMERS, PAUL HAMMERS, TWILA ORA WHIPKEY TRUST DATED B/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R)	07-28-01
TRACT	SURFACE OWNER	TAX PARCEL
2	C. MICHAEL BLAIR & LINDA L. BLAIR (S)	07-18-09
3	MASON DIXON FARMS, LLC. (S)	07-28-02
4	JAMES E. MORGAN-LIFE (S)	07-28-04
5	MATTHEW ALLAN RICHMOND (S)	07-28-05
6	JOHN E. RIGGS JR. & DALENA RIGGS (S)	07-27-02
7	JOSEPH L. SCHANCK & KATHERINE SCHANCK (S)	07-27-18
8	EDWARD E. WADE JR. (S)	07-27-20
9	EDWARD E. WADE JR. (S)	01-02-14
10	BRIAN T. FERDA & VI-EVA FERDA (S)	01-02-04
11	LARRY RINE, ET AL (S)	P/0 01-02-08
12	STEPHEN ROSS MCINTYRE (S)	01-02-05

-	ADJOINING OWNERS TABLE	_
TRACT	SURFACE OWNER	TAX PARCEL
A	MASON DIXON FARMS, LLC	07-18-07
В	LLOYD A. KARR, ET UX	07-19-33
C	M. ZACHARY BLAIR	07-19-35
D	DONALD Z. ROMACK, ET UX	07-19-36
E	JAMES E. MORGAN-LIFE	07-28-03
F	JENNIFER L. ROMACK TRUST, ET AL	07-19-38
G	JAMES E. MORGAN-LIFE	07-26-14
H	SAMUEL C. WADE & ROSE V. BLAKE	07-27-2.
1	JOHN E. RIGGS, JR. & DELENA RIGGS	07-27-01
J	WEST VIRGINIA WILDLIFE RESOURCES SECTION	07-24-01
K	CHARLES E. HORNER, ET UX	07-26-10
L	HOWARD L. DEBOLD, ET AL	07-27-2.
М	IRENE PYLES & DALE PYLES-LIFE	07-27-03
N	JOHN E. RIGGS & DALENA RIGGS	07-27-2.
0	IRENE PYLES & DALE PYLES	07-27-3.1
P	BETTY T. FRANKLIN	07-27-05
Q	JOSEPHINE PARRIOTT, ET AL	07-27-09
R	ANNIE L. GEHO EST.	07-27-21
S	WV WILDLIFE RESOURCES SECTION	07-27-17
T	BRIAN T. FERDA, ET UX	07-27-15
Ü	PETER V. VELLEKOOP, ET UX	07-27-13
V	WILLIAM BALTZ, TR. OF VH & F CLUB, ET AL	01-02-5.
W	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	01-02-09
X	WILLIAM E. RENNER & WILLIAM J. RENNER	01-05-07
Y	WILLIAM E. RENNER	01-05-04
Z	LARRY RINE, ET AL	p/o 1-2-8
AA	LARRY G. RINE & JANA L. RINE	01-05-03
BB	BRIAN T. FERDA & VI-EVA FERDA	01-02-13
CC	MARY E. PYLES	01-02-03
DD	FLOYD B. JOHNSON	01-02-02
EE	VICENZO MICELI, ET UX	07-28-06
FF	CHRISTOPHER COX & NIKKI COX	07-28-07
GG	APPALACHIA MIDSTREAM SERVICES, LLC	01-01-06
HH	APPALACHIA MIDSTREAM SERVICES, LLC.	07-28-08
II	CARL R. RICHMOND & EILENE R. RICHMOND	07-28-13
JJ		07-28-13
KK	G. DAVID EVICK JAMES E. MOGAN-LIFE	07-29-04
LL	TO DESCRIPTION OF THE PROPERTY	
	C. MICHAEL BLAIR & LINDA L. BLAIR	07-18-9.
MM	RONALD K. NEELY & DONA L. NEELY	07-18-10
NN	HOY GLENN CROW, ET UX	07-18-11
00	MASON DIXON FARMS, LLC	07-18-8.
PP	BERNARD P. TWIGG AND SHARON ANN TWIGG	07-18-08

REVISIONS:	COMPANY:	SWN Production Company, LLC	SV Production Co	M R ^L →V+** ompany™
	OPERATOR'S WELL #:	SHAWN HARLAN M 210H	SH	DATE: 07-11-2019 DRAWN BY: N. MANO
	DISTRICT: LIBERTY	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 2

WW-6A	1
(5/13)	

Operator's	Well No.		
The state of the s		 	

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				5 7 2 - 1
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

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:	Carla Manis	RECEIVED
Its:	Staff Landman	Office of Oil and Gas

SEP 1 8 2019

Page 1 of WV Department of Environmental Protection

ect#	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, 11C	
1	7-28-1	O. E. Burge, a married man dealing in his sole and separate property	Columbia Natural Resources, L.L.C.	12.50%	645/102	0.00%	
		Columbia Natural Resources	Chesupeake Appalachia, LLC.		650/63 33/110		
		Chesapeake Appalachia, ELC. Twila Ora Whipkey, a married woman dealing in her	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110		
		sole and separate property Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63		
		Chesapeake Appalachia, U.L.C. Paul F. Hammers, a married man dealing in his sole	SWN Production Company, LLC Columbia Natural Resources, LLC.	12.50%	33/110		
		and separate property Columbia Natural Resources	Chesapeake Appalachia, L.U.C.		650/63		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, ILC	43.500	33/110		
		Jack Hammers, a married man dealing in his sole and separate property		12.50%	645/343		
		Columbia Natural Resources Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, U.C.		650/63 33/110		
		Toni Jo Mason, single Columbia Natural Resources	Columbia Natural Resources, L.L.C. Chesapeake Appelathia, L.L.C.	12.50%	646/161 650/63		
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	- V. J	33/110		
		Hayhurst Company Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, LLC. SWN Production Company, LLC	15.00%	691/53 33/110		
		Stephen E. Justman, a widower Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, U.C.	12,50%	702/214 33/110		
		Janet E. Wilbur a/k/a Janet T. Wilbur, a/k/a Janet E.		12.50%	702/210		
		Teagarden Wilbur, a married woman dealing in her sole and separate property					
		Chesapeake Appalachia, LLC.	SWN Production Company, LLC		33/110		
		David A. Teagarden aka David Teagarden, a married man dealing in his sole and separate property	Chesapeake Appalathia, L.L.C.	12.50%	703/609		
			Part Conduction Commence (15		33/110		
		Chesapeake Appalachia, L.L.C. Eva T. Stalker aka Eva T. Stalker, by her Attorney-in-	SWN Production Company, LLC Chesapeake Appalathia, L.L.C.	12.50%	702/206		
		Fact, James P, Harter and Susan W. Harter					
		Chesapeake Appalarhia, L.L.C. Jeanne G. DeClue, a widow, by her Attorney-In-Fact,	SWN Production Company, LLC Chesposake Appalarhia, L.L.C.	12.50%	33/110 705/648		
		Scott C. DeClue, aka Scott DeClue			33/110		
		Chesapezhe Appalachia, L.L.C. Erica M. Mason, a/k/a	SWN Production Company, LLC Chesapeake Appalachia, L.L.C.	18.75%	708/51		
		Érica Mason, a single woman Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
		A.L. Evans, et us The Wheeling Natural Gas Co.	The Wheeling Natural Gas Co. The Manufacturers Light and Heat Company	12.50%	144/501 3/40		
		The Manufacturers Light and Heat Company			197/120		
		Union Gasoline and Oil Corporation	Union Gasoline and Oil Corporation Prestion Oil Company		2/136		
		Prestion Oil Company	The Manufacturers Light and Heat Company		2/225		
		The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	Columbia Gas Transmission Corporation Columbia Natural Resources, L.C.		427/204 642/281		
		Columbia Natural Resources, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		650/63 33/110		
	7-18-9	Chesapeake Appalachia, L.L.C. Hazel Cora Teagarden and Otta A. Feagarden, her	The Manufacturers Light and Heat Company	12.50%	272/209	0.00%	
		husband The Manufacturers light and Heat Company	Columbia Gas Transmission Corporation		422/204		
		Columbia Gas Transmission Corporation	Columbia Natural Resources, L.L.C.		642/281		
		Columbia Natural Resources, LLC. Chesapeake Appalachia, LLC.	Chesapeake Appalachia, LLC. SWN Production Company, LLC		650/63 33/110		
	7-28-2	Robert M. Richardson, married SASP	Chesapeake Appalachia, L.L.C.	12.50%	684/142	7.14%	
		Chesapeake Appalachia, L.L.C. Tammy Dupkin	SWN Production Company, LLC SWN Production Company, LLC	17.00%	33/110 1059/514		
		Richard Howell	SWN Production Company, LLC	17.00%	1059/510		
		James Howell Janice Howell	SWN Production Company, U.C SWN Production Company, U.C	17.00%	1060/9 1059/510		
		Kathleen Flohn Patricia Howell Runyon	SWN Production Company, U.C. SWN Production Company, U.C.	17.00%	1060/1		
	7-28-4	Royalty Owner Gail Richardson Barner, a married woman dealing in		17.00%	H/A 1015/516	0.00%	
		her sole and separate property	SWN Production Company, LLC	18.00%	1035/171		
		Mineral Acquisition Company I, LP Netional City Bank of Pennsylvania, successor to First National Bank and Trust Company of Waynesburg, Pennsylvania, Testamentary Trustee	Chesapeake Appalachia, LIC	12.50%	683/323		
		Chesapeale Appalachia, L.L.C.	SWN Production Company, LLC		33/110		
		Claudia L. Raven, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	17.00%	1015/516		
-	7-28-5	Carol J. Spence, a widow Brian H. Teagarden and Kathryn D. Teagarden,	SWN Production Company, L.L.C. Columbia Natural Resources, LLC	17.00%	1015/511 643/398	0.00%	
		husband and wife	Chesapeake Appalachia, L.L.C.		650/63		
		husband and wife Columbia Natural Resources Chesapeake Appalachia, L.L.C.	Chesapeake Appalachie, L.L.C. SWN Production Company, ILC Columbia Natural Recourse: ILC	12.50%	650/63 33/110 643/112		
		husband and wife Columbia Natural Resources Chesapeake Appalachia, LLC. Jerry N. Teagarden, divorced Columbia Natural Resources	SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, LLC.	12.50%	33/110 643/112 650/63		
		busband and wife Columbia Natural Resources Chesapeake Appalatchia, L.L.C. Jerry N. Teagarden, divorced	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 643/112		
		hunband and wife Columbia Natural Resources Chesapeake Appallachia, L.L.C. Jerry N. Teagarden, divocced Columbia Natural Resources Chesapeake Appallachia, L.L.C.	SWN Production Company, LLC Columbia Natural Resources, LLC Chesapeake Appalachia, LLC, SWN Production Company, LLC Columbia Natural Resources, LLC Chesapeake Appalachia, LLC.	41.071	33/110 643/112 650/63 33/110 643/110		
		hubband and wife Columbia Natural Brouvers Chesponale Appalathia, LLC, Jeary N. Teagrafted, Hivorced Columbia Natural Resources Chespoale, Appalathia, LLC. Bernard B. Teagarden and Jane Teagarden (M/W) Columbia Natural Resources Chespoale, Appalethia, LLC.	SWN Production Company, ILC Columbia Natural Resources, ILC Chesapezie Appalachia, LLC, SWN Production Company, ILC Columbia Natural Resources, ILC	41.071	33/110 643/112 650/63 33/110 643/110		
		hubband and wife Columbia Natural Resources Chesponale Appalathia, LLC, Leary N. Teagrafted, Histored Columbia Natural Resources Chesponale, Appalathia, LLC Bernard B. Teagraften and Jane Teagraften (M/W) Columbia Natural Resources Chesponale Appalathia, LLC Williard L Teagraften, a martied man dealing in his sole & superate property	SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalation, I.L.C. SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalation, I.L.C. SVIN Production Company, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC	12.50%	33/110 643/112 650/63 33/110 643/110 650/63 33/110		
		hubband and wife Columbia Natural Brouvers Chesponale Appalathia, LLC. Jeary N. Teagraften, divoxed Columbia Natural Resources Chesponale Appalathia, LLC. Bernard B. Teagraften and Jane Teagarden (N/w) Columbia Natural Resources Chesponale Appalathia, LLC. Williard L. Teagarden, a martied man dealing in his sole & superiate property Columbia Natural Resources Chesponale Appalathia, LLC.	SVN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalache, L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC Chesapeake Appalaches, L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC	12.50%	33/110 643/112 650/63 33/110 643/110 650/63 33/110 650/63 33/110		
		hubband and wife Columbia Natural Resources Chesponale Appalativia, LLC. Jeary N. Teagraften, divorced Columbia Natural Resources Chesponale Appalativia, LLC. Bernard B. Teagraften and Jann Teagarden (N/w) Columbia Natural Resources Chesponale Appalativia, LLC. Williard L. Teagarden, a martied man dealing in his sole & superate propertry Columbia Natural Resources Chesponale Appalativia, LLC. Chad Teagarden, a married man dealing in his sole & separate propertry	SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalache, L.C. SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalache, L.C. SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalache, L.C. Chesapeake Appalache, L.C. SVIN Production Company, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC Columbia Natural Resources, ILC	12.50%	33/110 643/112 655/63 33/110 643/110 650/63 33/110 650/63 33/110		
		hubbend and wife Columbia Natural Resources Chescoeake Appatishia, LLC. Learn N. Teagrafen, Alvorced Columbia Natural Resources Chescoeake Appatishia, LLC. Bernard R. Teagrafen and Janz Teagrafen (N/w) Columbia Natural Resources Chescoeake Appatishia, LLC. Wilstor L. Teagrafen and Janz Teagrafen (N/w) Wilstor L. Teagrafen, a rearried man dealing in his sole & uppatate property Columbia Natural Resources Chescoeake Appatathia, LLC. Chad Teagrafen, a married man dealing in his sole & separate property Columbia Natural Resources Chescoeake Appatathia, LLC. Chad Teagrafen, a married man dealing in his sole & separate property Columbia Natural Resources	SWN Production Company, ILC Clorable Natural Resources, ILC Chesapeake Appalaches, L.L.C. SWN Production Company, ILC Columbis Natural Resources, ILC Chesapeake Appalaches, L.L.C. SWN Production Company, ILC Columbis Natural Resources, ILC Columbis Natural Resources, ILC SWN Production Company, ILC Columbis Natural Resources, ILC Columbis Natural Resources, ILC Chesapeake Appalaches, I.L.C. Chesapeake Appalaches, ILC Chesapeake Appalachis, I.L.C. Chesapeake Appalachis, I.L.C. Chesapeake Appalachis, I.L.C.	12.50%	33/110 643/112 655/63 33/110 643/110 650/63 33/110 650/63 33/110 643/104 650/63		
		hubbend and wife Columbia Natural Resources Chessocake Appatichia, L.L.C. Jerry N. Teagrafen, divorced Columbia Natural Resources Chessocake Appatichia, L.L.C. Bernard R. Teagrafen and Jann Teagarden (N/w) Columbia Natural Resources Chessocake Appatichia, L.L.C. Williard T. Teagarden, a married man dealing in his columbia Natural Resources Chessocake Appatichia, L.L.C. Chumbia Natural Resources Chessopake Appatichia, L.L.C. Chumbia Natural Resources Chessopake Appatichia, L.L.C. Chumbia Natural Resources Chessopake Appatichia, L.L.C. Claumbia Natural Resources Chessopake Appatichia, L.L.C. Celumbia Natural Resources Chessopake Appatichia, L.L.C. Terryl L. Culter, a married woman dealing in his sole Se Chessopake Appatichia, L.L.C. Terryl L. Culter, a married woman dealing in his sole Se Chessopake Appatichia, L.L.C.	SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalaches, L.C. SVIN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.C.C. SVIN Production Company, ILC	12.50%	33/110 643/112 655/63 33/110 643/110 650/63 33/110 650/63 33/110		
		hubbend and wife Columbia Natival Resources Chessocake Appatichia, LLC. Lern N. Teagrafen, divorced Columbia Natural Resources Chessocake Appatichia, LLC. Bernard B. Teagrafen and Jann Teagarden (N/w) Chessocake Appatichia, LLC. Williard L. Teagrafen, and Jann Teagarden (N/w) Chessocake Appatichia, LLC. Williard L. Teagrafen, a married man dealing in his wole & separate property Chessocake Appatichia, LLC. Chad Teagrafen, a married man dealing in his sole & separate property Columbia Natural Resources Chessocake Appatichia, LLC. Teagrafe Appatichia, LLC. Tea	SVM Production Company, ILC Clembia Natural Resources, ILC Chesapeake Appalacha, L.L.C. SVMI Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC	12.50%	33/110 643/112 659/63 33/110 649/110 659/63 33/110 659/63 33/110 643/104 650/63 13/110 643/104		
		hubbend and wife Columbia Natural Resources Chessocake Appatichia, LLC. Lern N. Teagrafen, divorced Columbia Natural Resources Chessocake Appatichia, LLC. Bernard B. Teagrafen and Janz Teagarden (N/w) Columbia Natural Resources Chessocake Appatichia, LLC. Williard L. Teagarden, and Janz Teagarden (N/w) Columbia Natural Resources Chessocake Appatichia, LLC. Chessoc	SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.C.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.C.C. SVM Production Company, ILC Chesapeake Appalachia, I.C.C. SVM Production Company, ILC Chesapeake Appalachia, I.C.C. SVM Production Company, ILC Chesapeake Appalachia, I.C.C. SVM Production Company, ILC Chesapeake Appalachia, ILC. SVM Production Company, ILC Chesapeake Appalachia, ILC. SVM Production Company, ILC	12.50%	53/110 643/112 655/63 33/110 643/110 650/63 33/110 650/63 33/110 650/63 33/110 643/104		
		hubband and wife Columbia Natural Resources Chesponale Appalathia, LLC, Leary N. Teagraften, divorced Columbia Natural Resources Chesponale Appalathia, LLC. Bernard B. Teagarden and Jane Teagarden (M/W) Columbia Natural Resources Chesponale Appalathia, LLC. Williard I. Teagarden, a maried man dealing in his sole & separate property Columbia Natural Resources Chesponale Appalathia, LLC. Chad Teagarden, a married man dealing in his sole & separate property Columbia Natural Resources Chesponale Appalathia, LLC. Tery LL Chitter, a married woman dealing in her sole & separate property Columbia Natural Resources Chesponale Appalathia, LLC. Tery LL Chitter, a married woman dealing in her sole & separate property Columbia Natural Resources Chesponale Appalathia, LLC.	SVM Production Company, ILC Clolumbia Natural Resources, ILC Chesapeake Appalachis, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC	12.50% 12.50% 12.50%	33/110 643/112 650/63 33/110 643/110 650/63 33/110 650/63 33/110 643/104 650/63 33/110 643/104 650/63 33/110		
		hubband and wife Columbia Natural Resources Chesponale Appalathia, LLC, Leary N. Teagraften, divorced Columbia Natural Resources Chesponale Appalathia, LLC. Bernard B. Teagraften and Jane Teagraften (M/W) Columbia Natural Resources Chesponale Appalathia, LLC. Williard I. Teagraften, a maried man dealing in his sole & superate property Columbia Natural Resources Chesponale Appalathia, LLC. Chad Teagraften, a married man dealing in his sole & separate property Columbia Natural Resources Chesponale Appalathia, LLC. Tery LL Chutter, a married woman dealing in her sole & separate property Columbia Natural Resources Chesponale Appolathia, LLC. Pobia L, Smith, a married woman dealing in her sole as separate proposity Columbia Natural Resources Chesponale Appalathia, LLC. Pobia L, Smith, a married woman dealing in her sole and superarie property Columbia Natural Resources Chesponale Appalathia, LLC.	SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.C.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, ILC SVM Production Company, ILC Chesapeake Appalachia, ILC SVM Production Company, ILC Chesapeake Appalachia, ILC SVM Production Company, ILC	12.50% 12.50% 12.50% 12.50%	33/110 643/112 650/63 33/110 643/110 650/63 33/110 650/63 33/110 643/104 650/63 31/110 643/106 630/63 33/110 643/106 650/63 33/110 643/106		
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		hubbend and wife Columbia Natural Resources Chesceake Appatichia, LLC. Lerry N. Teagraden, divorced Columbia Natural Resources Chesceake Appatichia, LLC. Bernard R. Teagraden and Janz Teagarden (In/w) Columbia Natural Resources Cheschool Appatichia, LLC. William Sangarden, a married man dealing in his columbia Natural Resources Cheschool Appatichia, LLC. Chall Teagraden, a married man dealing in his sole is experied property Columbia Natural Resources Cheschool Appatichia, LLC. Teayl L. Cultural Resources Cheschool Appatichia, LLC. Columbia Natural Resources Cheschool Sangarden, a married woman dealing in her sole is separate property Columbia Natural Resources Cheschool Sangarden, a married woman dealing in her sole and separate property Columbia Natural Resources Cheschool Sangarden, a married woman dealing in her sole and separate property Columbia Natural Resources Cheschool Sangarden, a married woman dealing in his sole and descarate property Columbia Natural Resources Cheschool Sangarden, a married man dealing in his sole and descarate property Columbia Natural Resources Cheschool Sangarden, LCC. Cheschool Sangar	SVM Production Company, ILC Clossible Natural Resources, ILC Chesapeake Appalachis, L.L.C. SVM Production Company, ILC Columbis Natural Resources, ILC Clownibis Natural Resources, ILC Clownibis Natural Resources, ILC Columbis Natural Resources, ILC Clesapeake Appalachis, I.L.C. SVM Production Company, ILC Clesapeake Appalachis, ILC Clesapeake Appalachi	12.50% 12.50% 12.50% 12.50% 12.50%	33/119 643/112 650/63 33/110 643/110 653/63 33/110 653/63 33/110 643/104 650/63 13/110 643/106 650/63 13/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106 650/63 33/110 643/106		
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		habband and wife Columbia Natural Resources Chesposake Appatachia, LLC, Lerry N. Teagraften, divorced Columbia Natural Resources Chesposake Appatachia, LLC, Bernard B. Teagraften and Jane Teagarden (N/w) Columbia Natural Resources Chesposake Appatachia, LLC, Williard T. Teagarden, an arrisid man dealing in his sole & separate property Columbia Natural Resources Chesposake Appatachia, LLC, Chad Teagarden, a married man dealing in his sole & separate property Columbia Natural Resources Chesposake Appatachia, LLC, Tery L. Cutter, a married monant dealing in her sole & separates Columbia Natural Resources Chesposake Appatachia, LLC, Redin L. Similar and Section of the Section	SVM Production Company, ILC Cloumbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Cloumbia Natural Resources, ILC Cloumbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SVM Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SVM Production Company, ILC Chesapeake Appalachia, I.L.C. Ches	12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	33/119 643/112 650/63 33/110 643/110 650/63 33/110 643/104 650/63 33/110 643/106		RECEIVED
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		hubband and wife Columbia Natural Resources Chessocake Appatichia, LLC. Lern N. Teagraffen, divorced Columbia Natural Resources Chessocake Appatichia, LLC. Bernard B. Teagraffen and Jana Teagraffen (M/w) Columbia Natural Resources Chessocake Appatichia, LLC. Williard L. Teagraffen, and Jana Teagraffen (M/w) Columbia Natural Resources Chessocake Appatichia, LLC. Chad Teagraffen, a married man dealing in his sole & separate property Columbia Natural Resources Chessopeake Appatichia, LLC. Teagraffen, amarried man dealing in his sole & separate property Columbia Natural Resources Chessopeake Appatichia, LLC. Teryl L. Culter, a married momen dealing in her sole & separate property Columbia Natural Resources Chessopeake Appatichia, LLC. Hidd Daugherry, widow Columbia Natural Resources Chessopeake Appatichia, LLC. Hidd Daugherry, widow Columbia Natural Resources Chessopeake Appatichia, LLC. Hidd Daugherry, widow Columbia Natural Resources Chessopeake Appatichia, LLC. Hidd Daugherry, widow Columbia Natural Resources Chessopeake Appatichia, LLC. Hidd Daugherry, widow Columbia Natural Resources Chessopeake Appatichia, LLC. Childia Resources Chessopeake Appatichia, LLC. Columbia Natural Resources Chessopeake Appatichia, LLC.	SVM Production Company, ILC Cleambia Natural Resources, ILC Collembia Natural Resources, ILC SVM Production Company, ILC Collembia Natural Resources, ILC Cleambia Natural Resources, ILC Clea	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	33/110 643/112 650/63 33/110 643/110 650/63 33/110 650/63 33/110 643/104 650/63 33/110 650/63 34/110 650/63 650/63 650/63 650/63 650/63 650/63 6		ce of Oil and Ga
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		hubbend and wife Columbia Natural Resources Chessocake Appatichia, LLC. Lerry N. Teagraden, divorced Columbia Natural Resources Chessocake Appatichia, LLC. Bernard R. Teagraden and Janz Teagarden (In/w) Columbia Natural Resources Chessocake Appatichia, LLC. White Sample Resources Chessocake Appatichia, LLC. White Sample Resources Chessocake Appatichia, LLC. Challes Resources Chessocake Appatichia, LLC. Challes Resources Chessocake Appatichia, LLC. Challes Resources Chessocake Appatichia, LLC. Teagraden and Challes Resources Chessocake Appatichia, LLC. Columbia Natural Resources Chessocake Appatichia, LLC. Columbia Natural Resources Chessocake Appatichia, LLC. Deuglac R. Telepaden, a married woman dealing in her sole and supara be property Columbia Natural Resources Chessocake Appatichia, LLC. Deuglac R. Telepaden, a married woman dealing in his sole sole and season property Columbia Natural Resources Chessocake Appatichia, LLC. Lern McCulloh, a married woman dealing in his sole and deason property Columbia Natural Resources Chessocake Appatichia, LLC. Lern McCulloh, a married woman dealing in his sole and deason property Columbia Natural Resources Chessocake Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole and deaparte property Columbia Natural Resources Chessocake Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC. Thomas E. Teagarden, a married man dealing in his sole as Appatichia, LLC.	SWN Production Company, ILC Cleambia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, L.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Chesapeake Appalachia, I.L.C. SWN Production Company, ILC Columbia Natural Resources, ILC Columbia Natural R	12.50% 12.50% 12.50% 12.50% 12.50% 12.50% 12.50%	33/119 643/112 650/63 33/110 643/110 650/63 33/110 550/63 33/110 643/104 650/63 33/110 643/105	S	ce of Oil and Ga

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		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.	-	650/63	
		Chesapeake Appalachia, L.L.C. Helen V. Rutan, a married woman dealing in her sole	SWIN Production Company, LLC	12.50%	33/110 643/568	
		& separate property		12,30%		
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	
		Chesapeake Appalachia, L.L.C. Jeannette F. Yeater, a widow	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 643/562	
		Columbia Natural Resources	Chesapeake Appalachia, LLC.		650/63 33/110	
		Chrupeake Appalechia, L.L.C. Nedra Lynn Grubel	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	682/610	
		Columbia Natural Resources	Chesapeake Appalachia, LLC.		650/63	
		Chesapeake Appalachia, L.L.C. Linda L. Moore, a married woman dealing in her sole	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 644/365	
		and separate property				
		Columbia Natural Resources Chesapeake Appalachia, L.U.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, U.C.		650/63 33/110	
		Turis Jan Walker	Chesapeake Appalachia, LLC	12.50%	643/336	-
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	474 5747	33/110	-
		George H. Pylos, married man dealing in his sole & separate property	Chesapeake Appalachia, L.L.C.	12.50%	681/1	
		Chesapeake Appalachia, LLC.	SWN Production Company, LLC		33/110	
		Sara J. Rush, single Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	582/287 33/110	
		Camilla P. Rush, single	Chesapeake Appalachia, LLC	12.50%	682/238	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Tonya Rae Philips, a married woman dealing in her sole & separate property	Chesapeake Appalachia, LLC	12.50%	682/219	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Donald Eugene Rush, single	Chesapeake Appalachia, LLC	12.50%	687/216 33/110	
		Chesapeake Appalachia, L.L.C. Raymond Alan Pyles, married man dealing in his soils	SWN Production Company, LLC Chesapeake Appalachia, L.LC.	12.50%	583/53	
		& separate property			22444	
_		Chesapeake Appalachia, L.L.C. Rachel A. Yeater, single	SWN Production Company, LLC Chesapeake Appalachia, LLC	12.50%	33/110	-
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	2000	33/110	
		Karen Y. Jones, a married woman dealing in her sole	Chesapeake Appalachia, LIC	12.50%	686/274	
		& separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Allen L. Yeater, a married man dealing in his sole &	Chesapeake Appalachia, LLC	12.50%		
		separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LEC		33/110	
		The William J. Vest Trust dated July 16th, 2001, by	Chesapeake Appalachia, LLC	12.50%	687/116	
		Larry W. Yeater, acting as Trustee			33/110	
		Chesapeake Appalachia, L.L.C. Mountain Minerals, LLC	SWN Production Company, LLC Chesapeake Appalachia, LLC	15.00%	679/437	-
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		38/35	
6	7-27-2	Louisa A. Pyles and E. C. Pyles	The Wheeling Natural Gas Co. The Manufacturers Light and Heat Company	12.50%	144/494 3/40	0.00%
		The Wheeling Natural Gas. Co.	ine Manufacturers ugnt and Heat Company		3)40	
		The Manufacturers Light and Heat Company	Union Gasoline and Di Corporation		197/120	
		Union Gasoline and Dil Corporation	Prestion Di Company		2/136	1
		Prestion Oil Company	The Manufacturers Light and Heat Company		2/225	1
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204 642/281	1
		Columbia Gas Transmission Corporation Columbia Natural Resources, L.L.C.	Columbia Natural Resources, LLC. Chesapeake Appalachia, LLC.		650/63	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	0.00%
7	7-27-18	Dixle Parriott, single, Madge Parriott, widow, and Alice Parriott, widow	The Manufacturers Light and Heat Company	12.50%	272/347	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
			Columbia Natural Resources, L.L.C.		642/281	
		Columbia Gas Transmission Corporation Columbia Natural Resources, L.L.C.	Chesapeake Appalechia, LLC.		650/63	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
S	7-27-20	Irma E. Lyon and Porter Lyon, her husband; Leslie C. Pyles and Anna Pyles, his wife	The Manufacturers Light and Heat Company	12.50%	371/335	0.00%
		The Manufacturer's Light and Heat Company	Columbia Gas Transmission Coporation		422/204	
		Columbia Gas Transmission Coporation	Columbia Natural Resources		15/70	
		Columbia Natural Resources Tri-County Oil and Gas, Inc.	Tri-County Oil and Gas, Inc. Leatherwood, Inc.		15/113 Merger	
		Leatherwood, Inc.	CNX Ges Company, LLC		26/95	
		CNX Gas Company, LLC Noble Energy, Inc. & CNX Gas Company LLC	Noble Energy, Inc. Chesapeake Appalachia, LLC		26/225 32/113	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
9	1-2-14	Irma E. Lyon, et al	Manufacturers Light and Heat Company	12,50%	48A/199 263.064	0.00%
9		Manufacturers Light and Heat Company Columbia Gas Transmission Coperation	Columbia Gas Transmission Coporation Columbia Natural Resources		263/164 84A/129	
		Columbia Natural Resources	Chesapeake Appalachia, LLC.		402/446 157A/540	
		Condition that of all the sources				
50	1304	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	70.00%		900%
10	1-2-04	Chesapeake Appalachia, L.L.C. Cheryl Howard, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	20.00%	190A/497	0.00%
10	1-2-04	Chesapeake Appalachia, L.L.C. Cheryl Howard, a married woman dealing in her sole and separate property Resource Minerals Headwater I, LP	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	190A/497 229A/109	0.00%
10	1-2-04	Chesapeake Appalachia, L.L.C. Cheryl Howard, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC		190A/497	0.00%
10	1-2-04	Cheryl Howard, a married woman dealing in her sole and separate property. Resource Minerals Headwater I, LP Dalten Riggs and John E. Riggs, Jr., write and husband Antera Resources Corporation	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC	18.00% 20.00%	190A/497 229A/109 197A/604 228A/420	0.00%
10	1-2-04	Chesapeake Appalachtia, L.L.C. Cheryl Howard, a married woman dealing in her sole and separate property Resource Minerals Headwater L.LP Dalens Riggs and John E. Riggs, Jr., wife and husband	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Antero Persources Corporation	18.00%	190A/497 229A/109 197A/604	0.00%
10	1-2-04	Chesaparte Appolatinis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Minrais Headwater LLP. Dalena Riggs and John E. Riggs, Jr., wife and husband Antera Resources Corporation David M. Pyles and Alice J. Pyles, husband and wife Antero Resources Corporation	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Persources Corporation SWN Production Company, LIC Anterio Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC	18.00% 20.00% 20.00%	190A/497 229A/109 197A/604 228A/420 197A/601 228A/420	0.00%
10	1-2-04	Chesaparke Appslathis, LLC. Cheryl Howard, a married woman dealing in her sole and seezate property Resource Minerals Headwater J. LP Deleta Higgs and John E. Riggs, Ir., wife and husband Antera Resources Corporation David M. Pyles and Alice J. Nyles, husband and wife Antero Resources Corporation Charl L. Bortz, a married woman dealing in her sole	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Persources Corporation SWN Production Company, LIC Anterio Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC	18.00% 20.00%	190A/497 229A/109 197A/504 228A/420 197A/601	0.00%
10	1:2:04	Chesaparte Appolatinis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Minrais Headwater LLP. Dalena Riggs and John E. Riggs, Jr., wife and husband Antera Resources Corporation David M. Pyles and Alice J. Pyles, husband and wife Antero Resources Corporation	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources SWN Production Company, LIC Anterio Resources SWN Production Company, LIC Anterio Resources Corporation	18.00% 20.00% 20.00%	190A/497 229A/109 197A/604 228A/420 197A/601 228A/420 197A/592	0.00%
	1-2-04	Chesaparte Appolatini, c.L.C. Cheryl Howard, a married woman dealing in her sole and separate property Resource Minrais Headwater LLP Dalena Riggs and John E. Riggs, Jr., wife and husband Antera Resources Corporation David M. Pyles and Alice J. Pyles, busband and wife Antero Resources Corporation Chart J. Bartz, a married woman dealing in her sole and separate property	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC JAMES PRODUCTOR COMPANY, LIC Anterio Persources Corporation SWN Production Company, LIC Anterio Persources Corporation SWN Production Company, LIC SWN Production Company, LIC	18.00% 20.00% 20.00%	190A/497 229A/109 197A/604 228A/420 197A/601 228A/420	0.00%
		Chesaparke Appslathis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property Resource Minrais Headwater LLP. Dalena Riggs and John E. Riggs, Jr., wife and husband Antero Resources Corporation David Nr. Pries and Alice J. Pyles, husband and wife Antero Resources Corporation Charl L. Bortz, a married woman dealing in her sole and separate property Antero Resources Corporation Alton Bruce Miller and Virginia Belle Miller, et al	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Antero Resources Corporation SWN Production Company, LIC Antero Resources Corporation SWN Production Company, LIC Antero Resources Corporation SWN Production Company, LIC SWN Production Company, LIC The Manufacturers Light and Heat Company	18.00% 20.00% 20.00% 20.00%	190A/497 229A/109 197A/504 228A/420 197A/601 228A/420 197A/592 228A/420 48A/332	
		Chesaparke Appslathis, LLC. Cheryl Howard, a married woman dealing in her sole and seezate property Resource Minerals Headwater LLP Deleta Riggs and John E. Riggs, Ir., wife and husband Antera Reyources Corporation David M. Pyles and Alice J. Nyles, husband and wife Antero Resources Corporation Charl J. Bortz, a married woman dealing in her sole and separate property Antero Resources Corporation Antero Resources Corporation	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Antero Persources Corporation SWN Production Company, LIC Antero Resources Corporation SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC	18.00% 20.00% 20.00% 20.00%	190A/497 229A/109 197A/604 228A/420 197A/601 228A/420 197A/592 228A/420	
		Chesaparke Appolatinis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Minrais Headwater LLP. Dalena Riggs and John E. Riggs, Jr., wife and husband Antero Resources Corporation David M. Pijers and Alice J. Pijers, husband and wife Antero Resources Corporation Charla J. Bartz, a married woman dealing in her sole and separate corporty Antero Resources Corporation Alton Stock Miller and Virginia Belle Miller, et al The Manufactures Light and Heast Company Columbia Gas Transmission Corporation	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Persource Corporation SWN Production Company, LIC Anterio Resource Corporation SWN Production Company, LIC Anterio Resource Corporation SWN Production Company, LIC The Manufacturer Light and Heat Company Columbia Gas Transmission Carporation Chesupeake Appalachia, LIC	18.00% 20.00% 20.00% 20.00%	190A/497 229A/109 197A/004 228A/420 197A/601 228A/420 197A/592 228A/420 48A/332 263/164 90A/242	
		Chevapeate Appolatinis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Mineral Headwater LLP. Dalena Rigga and John E. Riggs, Jr., wife and husband Antera Riesources Corporation David M. Pyles and Alles L. Pyles, husband and wife Antero Resources Corporation Charla L. Butts, a married woman dealing in her sole and the sole	SWM Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Cheuspeak Appalachia, LIC SWN Production Company, LIC Cheuspeak Appalachia, LIC SWN Production Company, LIC	18.00% 20.00% 20.00% 20.00% 20.00%	190A/497 229A/109 197A/504 228A/420 197A/501 2728A/420 197A/592 228A/420 48A/332 263/164 90A/242 157A/540	
		Chesapeate Appolatini, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Besource Minrais Headwater LLP. Dalena Riggs and John E. Riggs, Jr., wife and husband Antern Resources Corporation David M. Pyles and Alice J. Pyles, busband and wife Antero Resources Corporation Charla J. Bartz, a married woman dealing in her sole and separate property. Antero Resources Corporation Alton Broce Miller and Virginia Belle Miller, et al. The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chestapeake Appalachia; LUC.	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Persource Corporation SWN Production Company, LIC Anterio Resource Corporation SWN Production Company, LIC Anterio Resource Corporation SWN Production Company, LIC The Manufacturer Light and Heat Company Columbia Gas Transmission Carporation Chesupeake Appalachia, LIC	18.00% 20.00% 20.00% 20.00%	190A/497 229A/109 197A/604 228A/420 197A/601 228A/420 197A/501 228A/420 48A/332 263/164 90A/242 157A/540 213A/763 1386/1	
		Chesaparka Appolachia, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Besource Minesta Headwater LLP. Dalena Riggs and John E. Riggs, Jr., wife and husband Antero Resources Corporation David M. Pijes and Alice J. Pijes, husband and wife Antero Resources Corporation Charla J. Bartz, a married woman dealing in her sole and separate corporty Antero Resources Corporation Alton Struce Miller and Virginia Belle Miller, et al The Manufactures Light and Heal Company Columbia Gas Transmission Corporation Chesapaska Appalachia, LLC Shiltern Estates Inc. Grenadjet Energy Patrons, LLC Stated USA Construct Nate.	SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Persource Corporation SWN Production Company, LIC Anterio Resource Corporation SWN Production Company, LIC Anterio Resource Corporation SWN Production Company, LIC The Anterio Ensource Corporation Company LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company Columbia Gas Transmission Corporation Chesapeale Appalachia, LIC SWN Production Company, LIC STABILLISA CONTROLLISA SWN Production Company, LIC STABILLISA CONTROLLISA SWN Production Company	18.00% 20.00% 20.00% 20.00% 20.00%	190A/497 229A/109 197A/004 228A/420 197A/501 228A/420 197A/502 228A/420 44A/332 263/164 90A/242 157A/540 213A/763 138A/1 175A/707	
11	1-2-8	Chesaparka Appolatinis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Mineral Headwater LLP. Dalena Riggs and John E. Riggs, Ir., wife and husband Antero Resources Corporation David M. Piyes and Alice L. Piyes, husband and wife Antero Resources Corporation Charla J. Burtz, a married woman dealing in her sele and separate growthy. Antero Resources Corporation Charla J. Burtz, a married woman dealing in her sele and separate growthy. Antero Resources Corporation The Manufactures Light and Heast Company Coumbia Gas Transmission Corporation Chesapacka Cappalachia, LLC Shillen Estates Inc. Sernadige Chesapachia, LLC Stateol USA Cheshore Properties, Nc. EOT Production Company	SWM Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC The Manufacturers Light and Heat Company Columbia Gas Transmission Carporation Checapask Appalachia, LIC SWM Production Company, LIC Greader Inerg, LIC STRAIN Production Company, LIC Greader Inerg, LIC STRAIN SWN Production Company, LIC Greader Inerg, LIC STRAIN SWN Production Company, LIC Greader Inerg, LIC STRAIN SWN Production Company, LIC Greader Inerg, LIC SWN Production Company, LIC	18.00% 20.00% 20.00% 20.00% 20.00% 12.50%	190A/497 229A/109 197A/604 228A/420 197A/601 228A/420 197A/501 228A/420 48A/332 263/164 90A/242 157A/540 213A/763 1386/1	0.00%
		Chesaparka Appolathia, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Mineral Headwater LLP. Dalena Riggs and John E. Riggs, Ir., wife and husband Antero Resources Corporation David M. Pyles and Alice J. Pyles, husband and wife Antero Resources Corporation Charl J. Burz, a married woman dealing in her sele and separate property Antero Resources Corporation Charl J. Burz, a married woman dealing in her sele and separate property Antero Resources Corporation The Manufactures Light and Heat Company Coumbia Gas Transmission Corporation Chestpoake Applicability. LIC. Shilms Estates inc. Genealde Energy Pattors, ILC. Stateol USA Charbore Properties, Inc. COT Praductions Company J. N. Pyles and Iva B. Pyles, his wife	SWM Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC JAMEN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesupeake Appalachia, LIC SWM Production Company, LIC Grenader Inergy, LIC Grenader Inergy, LIC STRAIN Production Company, LIC Grenader Inergy, LIC STRAIN Production Company, LIC Grenader Inergy, LIC STRAIN Production Company, LIC Grenader Inergy, LIC The Manufacturers Light and Heat Company	18.00% 20.00% 20.00% 20.00% 20.00%	190A/497 229A/109 229A/109 197A/604 218A/420 197A/601 197A/601 197A/902 228A/420 48A/332 263/164 90A/21 1357A/540 123A/763 138A/1 175A/707 203A/146 48A/203	
11	1-2-8	Chesaparka Appolatinis, LLC. Cheryl Howard, a married woman dealing in her sole and separate property. Resource Mineral Headwater LLP. Dalena Riggs and John E. Riggs, Ir., wife and husband Antero Resources Corporation David M. Piyes and Alice L. Piyes, husband and wife Antero Resources Corporation Charla J. Burtz, a married woman dealing in her sele and separate growthy. Antero Resources Corporation Charla J. Burtz, a married woman dealing in her sele and separate growthy. Antero Resources Corporation The Manufactures Light and Heast Company Coumbia Gas Transmission Corporation Chesapacka Cappalachia, LLC Shillen Estates Inc. Sernadige Chesapachia, LLC Stateol USA Cheshore Properties, Nc. EOT Production Company	SWM Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC Anterio Resources Corporation SWN Production Company, LIC The Manufacturers Light and Heat Company Columbia Gas Transmission Carporation Checapask Appalachia, LIC SWM Production Company, LIC Greader Inerg, LIC STRAIN Production Company, LIC Greader Inerg, LIC STRAIN SWN Production Company, LIC Greader Inerg, LIC STRAIN SWN Production Company, LIC Greader Inerg, LIC STRAIN SWN Production Company, LIC Greader Inerg, LIC SWN Production Company, LIC	18.00% 20.00% 20.00% 20.00% 20.00% 12.50%	190A/497 2294/109 197A/604 228A/420 197A/601 228A/420 197A/502 228A/420 48A/332 263/164 90A/242 157A/540 213A/763 138A/1 275A/707 203A/146	0.00%

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SEP 1 8 2019



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

www.swn.com

September 10, 2019

Ms. Laura Adkins WV DEP Office of Oil & Gas 601 57th St., SE Charleston, WV 25304

RE: SWN's proposed well: Shawn Harlan MSH 210H in Marshall County, West Virginia, Drilling under Co Hwy 74/2, Co Hwy 250/18, and Amos Hollow Road..

Dear Ms. Adkins:

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 Co Hwy 74/2, Co Hwy 250/18, and Amos Hollow Road. 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,

Carla M. Francis Staff Landman

SWN Production Company, LLC

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Office of Oil and Gas

Department of
Environmental Protection

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

Date of Notice Certification:

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

API No. 47- 051

Operator's Well No. Shawn Harlan MSH 210H

State:	tract of land as follows: West Virginia	TITAL NIAD 02	2,275.258		
County:	051-Marshall	Northing: 4,35	98,291.234		
District:	Liberty		Greenfield Road		
Quadrangle: Watershed:	Laurel Run of Fish Creek	Generally used farm name: Sha	awn Harlan		
t has provide information read giving the requirements Virginia Cod	ed the owners of the surface descri- equired by subsections (b) and (c), so surface owner notice of entry to su of subsection (b), section sixteen of	shall contain the following information: (14) A bed in subdivisions (1), (2) and (4), subsectivection sixteen of this article; (ii) that the requirement pursuant to subsection (a), section ten of this article were waived in writing by the tender proof of and certify to the secretary that int.	on (b), section ten or ement was deemed s of this article six-a; surface owner; and	of this article, the atisfied as a resu or (iii) the notice Pursuant to Wes	
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require ECK ALL THAT APPLY	perator has attached proof to this Notice Certifed parties with the following:	oog	OFFICE USE ONLY	
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECAUSE SEISMIC ACTIVITY WAS CONDUCTED	7	CEIVED/ T REQUIRED	
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or \square NO PLAT SURVEY WAS COND	DUCTED REG	CEIVED	
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	10000	CEIVED/ T REQUIRED	
		☐ WRITTEN WAIVER BY SURFACE (OWNER		
		(PLEASE ATTACH)			
■ 4. NO	TICE OF PLANNED OPERATION	***************************************	□ REG	CEIVED	
	TICE OF PLANNED OPERATION BLIC NOTICE	***************************************	1	CEIVED	

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.

SEP 1 8 2019

WW-6A (8-13)

OPERATOR WELL NO. Shawn Harlan MSH 10H

Well Pad Name: Shawn Harlan MSH

Notice is hereby given by:

thany whali Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610 Email: Brittany_Woody@swn.com

Morgantown, WV 26508 Facsimile: 304-884-1690

Address: 1300 Fort Pierpont Dr., Suite 201

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.

> NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGILDER State of West Virginia My Comm. Expires Jul 20, 2020 **SWN Production Company, LLC** 179 Innovation Dr. Jane Lew, WV 26378

Subscribed and sworn before me this 24th day of May, 2019.

Subscribed and sworn before me this 24th day of May, 2019.

Notary Public My Commission Expires

> RECEIVED Office of Oil and Gas

> > SEP 1 8 2019

API NO. 47, 051 - DPERATOR WELL NO. Shawn Harlan MSH 210H Well Pad Name: Shawn Harlan MSH

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 that	n the filing date of permit application.
Date of Notice: Date Permit Application Filed:	2/19
Date of Notice: Date Permit Application Filed:	Wift 7
Notice of:	· ·
☑ PERMIT FOR ANY ☐ CERTIFICATE OF APP	ROVAL FOR THE
	AN IMPOUNDMENT OR PIT
WELL WORK CONSTRUCTION OF A	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	(b)
프로그램 가게 가입니다. 그래요 그래요 가는 사람들이 얼마를 하는 것이 없다. 그리고 있다면 하는	OD OF DELIVERY THAT REQUIRES A
SERVICE MAIL RECEI	PT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be located and gas leasehold being developed by the proposed well work, if described in the erosion and sediment control plan submitted pursual operator or lessee, in the event the tract of land on which the well proposed well work, if the surface tract is to be used for the placement, constraint well work, if the surface tract is to be used for the placement, constraint well work, if the surface tract is to be used for the placement, constraint well work, if the surface tract is to be used for the placement, constraint which we water well, spring or water supply source located within one that a water well, spring or water supply source located within one that provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than three subsection (b) of this section hold interests in the lands, the applicant records of the sheriff required to be maintained pursuant to section exprovision of this article to the contrary, notice to a lien holder is not	the well plat to each of the following persons: (1) The owners of record of ted; (2) The owners of record of the surface tract or tracts overlying the the surface tract is to be used for roads or other land disturbance as int to subsection (c), section seven of this article; (3) The coal owner, oposed to be drilled is located [sic] is known to be underlain by one or cts overlying the oil and gas leasehold being developed by the proposed action, enlargement, alteration, repair, removal or abandonment of any any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to (6) The operator of any natural gas storage field within which the elements in common or other co-owners of interests described in the transport one, chapter eleven-a of this code. (2) Notwithstanding any notice to a landowner, unless the lien holder is the landowner. W. Va. rovide the Well Site Safety Plan ("WSSP") to the surface owner and any
☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice	
SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Shawn D. Harlan & Scott L. Harlan	Name: C/O Leatherwood, Inc. Attn: Casey Saunders
Address: 17079 Proctor Creek Road	Address: 1000 Consol Energy Drive
New Martinsville, WV 26155	Canonsburg, PA 15317
Name:	□ COAL OPERATOR
Address:	Name:
	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	Carre Con Concession and Consession Consessi
Name:	SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
Maria	Name: None
Name:	Address:
Address:	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	
Name:	Name: RECEIVED Address: Office of Oil and Gas
Address:	
	*Please attach additional forms if necessarySEP 1 8 2019
	OLI # O LUIA

OPERATOR WELL NO. Shawn Harlan MSH 210H

Well Pad Name: Shawn Harlan MSH

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.

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 40 tipermit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted after self-enced 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

API NO. 47 467 0 5 3 0 2 2 7 4
OPERATOR WELL NO. Shawn Harlan MSH 210H

Well Pad Name: Shawn Harlan MSH

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

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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.

Environmental Protection

WW-6A (8-13) API NO. 47-0517 0 5 0 2 2 7 4

OPERATOR WELL NO. Shawm Harlan MSH 210H

Well Pad Name: Shawn Harlan MSH

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.

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Office of Oil and Gas
SEP 1 8 2019
WV Department of
Environmental Protection

By:

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

Brittany Woody

Its: Senior Regulatory Analyst

Telephone: 304-884-1610

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany_Woody@swn.com

NOTARY O'DARIC SEPICIAL SEAL
JESSICA L. VANGILDER
State of West Virginia
My Comm. Expires Jul 20, 2020
SWN Production Company, LLC
179 Innovation Dr. Jane Lew, WV 26378

Subscribed and sworn before me this 24th day of May,

Jessica Z. Van Gilder

Notary Public

My Commission Expires 1-20

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.

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SEP 18 2019



Environmental Protection

WW-6A3 (1/12) Operator Well No. Shawn Harlan MSH

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

entry			rided at least SEVEN (7) da	ys but no more that	n FORTY-F	IVE (45) days prior to		
Date of Noti	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019	_				
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a					
☐ PERSO	NAL I	REGISTERED	☐ METHOD OF DEL	LIVERY THAT RE	QUIRES A			
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Address: HC		`		Address: 1000 Consol Energy Drive Canonsburg, PA 15317				
New Martinsville, V			Canonsburg,	PA 15317				
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District:	Liberty		Watershed:	Watershed:		er Fish Creek		
Quadrangle:	Quadrangle: Littleton		Generally use	Generally used farm name:		Shawn Harlan		
may be obtain Charleston, Wobtained from Notice is her Well Operator	red from the Sec V 25304 (304-	pretary, at the WV D 926-0450). Copies y visiting <u>www.dep</u>	Manual and the statutes and epartment of Environmenta of such documents or addit www.gov/oil-and-gas/pages/o	I Protection headquional information re	elated to hori	ed at 601 57 Street, SE,		
Telephone:	304-884-1610			Morgantown, WV 26508		2000)		
Email:	brittany_woody@:	swn.com	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 depprivacyofficer@wv.gov.

Operator Well No. Shawn Harlan MSH

WW-6A3 (1/12)

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

Email:	brittany_woody(gswn.com	racsimile.	304-884-1690		SEP 1 8 2019			
Telephone:	304-884-1610		Facsimile:	Morgantown, WV 26508		AND AND AND			
Well Operato	-	TION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,		Office of Oil and Gas			
	reby given by		Address:	1300 Fort Pierront Dr	Suite 201	RECEIVED			
may be obtain Charleston, W	ned from the Se VV 25304 (304	cretary, at the WV I 1-926-0450). Copies	Manual and the statutes an Department of Environmenta of such documents or addit b.wv.gov/oil-and-gas/pages/o	I Protection headquional information re	uarters, located a	at 601 57th Street, SE,			
Quadrangle:	Littleton				Shawn Harlan				
District:			Watershed: Generally use	d form name:	Fish Creek/Upper Fish Creek				
County:				Access:	Greenfield Road				
Pursuant to W	est Virginia Co	ode § 22-6A-10(a), r and as follows:		ude & Longitude:	operator is plan				
Notice is he	reby given:								
Address:			Norton, OH 42	203 h additional forms if neo	raccan/				
Name:			Address:	Address: 3655 Durham Drive					
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Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a						
entry Date of Notic	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019						

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.

WW-6A3 (1/12)

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

Notice Time entry Date of Notic	Requirement: Notice shall be pro	nned Entry: 5/14/2019	s but no more than	TFORTY-FIVE	45) days prior to		
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Notice is her	eby provided to:						
☐ SURFAC	CE OWNER(s)	☐ COA	LOWNER OR LE	SSEE			
Name:		Name:	Name:				
Address:		Address:	Address:				
Name:			DIT ONDEDA		_		
Address:			MINERAL OWNER(s) Name: Debra A. Likavec				
Mamai			Fa A, Likavec		-		
Name:			Address: 52 Claremont Dr Brunswick, OH 44212				
riduress.		*please attac	h additional forms if ne	cessary	_		
Pursuant to Wa plat survey State:	reby given: /est Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia		ude & Longitude:	l operator is planni 39.733900, -80.623393 Greenfield Road			
County: District:			Watershed:		Creek		
Quadrangle:			Generally used farm name:				
Copies of the may be obtain Charleston, W	state Erosion and Sediment Controlled from the Secretary, at the WV VV 25304 (304-926-0450). Copie the Secretary by visiting www.de	Department of Environmenta is of such documents or addit	I Protection headquional information r	uarters, located at t	501 57 th Street, SE,		
Notice is he	reby given by:				RECEIVEL		
Well Operato		Address:	1300 Fort Pierpont, Dr.,	Suite 201	Office of Oil and Gas		
Telephone:			Morgantown, WV 26508				
Email:	brittany_woody@swn.com	Facsimile:	304-884-1690		SEP 1 8 2019		
Oil and Cas	Privacy Notice:				WV Department of		

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as partrofrour regulatory ection 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.

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

		quirement:	Notice shall be prov	ided at	least SEVEN (7) day	s but no more than	FORTY-FI	VE (45) days prior to		
entry Date	of Notice:	5/7/2019	Date of Plan	ned E	ntry: 5/14/2019					
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	SURFACE	OWNER(s)				COAL OWNER OR LESSEE				
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Add	ress:					ERAL OWNER(s)				
					Name: Pau	Name: Raul F, Hammers Address: \#3 Squire Valley Road				
Address:			Barboursville,							
_				-	"please attaci	h additional forms if ne	cessary			
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is here a plat survey on the tract of land as follows: State: West Virginia County: Marshall District: Liberty Quadrangle: Littleton			Approx. Latite Public Road A Watershed:	Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: September of the undersigned well operator is planning entry to co 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan						
may Cha obta	be obtained rleston, WV ined from the	I from the Se 25304 (304 he Secretary I by given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u> 7:	Departm of sucl	ent of Environmenta	l Protection headquional information r	uarters, locate elated to hori	oloration and production ed at 601 57 th Street, SE, zontal drilling may be RECEIVEL Office of Oil and Gas		
			Morgantown, WV 26508		Sweet of oil and odd					
Ema		304-884-1610 brittany_woody@	Dswn.com		Facsimile:	304-884-1690		CED 1 0 2010		
201111			>					3ET 1 0 2019		
0:1	1 C X	Duisea avy Mat	inn					WV Department of		

Oil and Gas Privacy Notice:

VV Department of

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory of 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.

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

Notice Time entry	Requirement:	Notice shall be prov	vided at l	east SEVEN (7) day	s but no more that	n FORTY-FIVE (4:	b) days prior to		
Date of Noti	ce: 5/7/2019	Date of Pla	nned En	try: 5/14/2019					
Delivery me	thod pursuant	to West Virginia C	code § 22	-6A-10a					
☐ PERSO	NAL 🔳	REGISTERED		METHOD OF DEL	IVERY THAT RE	EQUIRES A			
SERVIC	100	MAÏL	1	RECEIPT OR SIGN	ATURE CONFIR	MATION			
on to the surf but no more to beneath such owner of min and Sediment Secretary, wh	ace tract to condition forty-five di tract that has filerals underlying t Control Manualich statement si	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes ar	s require stry to: (1 rsuant to ounty tax nd rules r informat	d pursuant to this ar) The surface owner section thirty-six, ar records. The notice elated to oil and gas ion, including the ac	ticle. Such notice s of such tract; (2) ticle six, chapter t shall include a sta exploration and p	shall provide notice shall be provided at I to any owner or lesse wenty-two of this co atement that copies of production may be ob- age on the Secretary	east seven days se of coal seams de; and (3) any of the state Erosion tained from the		
Notice is her	eby provided t	0:							
☐ SURFA	CE OWNER(s)			☐ COA	OWNER OR LE	SSEE			
				Name:	Name:				
Address:			_	Address:	Address:				
Name:				· X.			-		
Address:					MINERAL OWNER(s)				
			-	Name: Jac					
					165 Oakmont Road		_		
Address:			-	Wheeling, WV	26003 n additional forms if ne	ANADES DE LA CONTRACTOR			
Pursuant to V	reby given: West Virginia Co on the tract of l				e undersigned wel	l operator is planning	g entry to conduct		
County:	Marshall				Public Road Access:				
District:	strict: Liberty			Watershed:		ek			
Quadrangle:	Littleton			Generally use	Generally used farm name:				
may be obtain Charleston, V obtained from	ned from the Se VV 25304 (304 in the Secretary bereby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u>	Departme s of such	ent of Environmenta documents or addit	I Protection headq onal information r	il and gas exploratio uarters, located at 60 elated to horizontal of	1 57 th Street, SE, drilling may be		
Telephone:	304-884-1610				Morgantown, WV 26508		RECEIVED		
Email: brittany_woody@swn.com			Facsimile:	304-884-1690		Office of Oil and Gas			
Oil and Ga	s Privacy Not						SEP 1 8 2019		

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.

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

		Requirement:	Notice shall be prov	vided at least SEVEN (7) da	ys but no more that	FORTY-FIVE	E (45) days prior to
Date		e: 5/7/2019	Date of Pla	nned Entry: 5/14/2019			
			to West Virginia C				
					DEDVITE DE	OTHER V	
П	PERSON		REGISTERED MAIL	☐ METHOD OF DEI RECEIPT OR SIGN			
	SERVIC						tion of planned entry
on to but i bene own and Secrenal	o the surfa no more the eath such the er of mine Sediment retary, while the sur	ice tract to con- nan forty-five of tract that has five rals underlying Control Manusich statement stateme	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the	Prior to filing a permit applic is required pursuant to this artry to: (1) The surface ownersuant to section thirty-six, a punty tax records. The notion and rules related to oil and ga- information, including the a the secretary.	rticle. Such notice s or of such tract; (2) that tricle six, chapter the e shall include a state s exploration and p	to any owner or wenty-two of this atement that copined to the copi	lessee of coal seams s code; and (3) any ies of the state Erosion e obtained from the
Noti	ice is here	by provided t	0:				
	SURFAC	E OWNER(s)			L OWNER OR LE		
Add							
Nan				E. Santara and Control of the Contro	12 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2		
Add	ress:			iii Min	ERAL OWNER(s)		
				Name: Ro	bert Dale Furbee		
					759 Summit Circle SE		
Add	iress:				ch additional forms if ne	cessary	
Purs	suant to W	reby given: lest Virginia C	ode § 22-6A-10(a), and as follows:	notice is hereby given that the	he undersigned wel	l operator is plar	nning entry to conduct
Stat		West Virginia		Public Road	tude & Longitude: Access:	39.733900, -80.6233 Greenfield Road	
State	e:	West Virginia Marshall		Public Road Watershed:	Access:	Greenfield Road Fish Creek/Upper Fi	sh Creek
State Cou Dist	e: inty:	West Virginia Marshall Liberty		Public Road Watershed:		Greenfield Road	
State Cou Dist Qua Cop may Cha obta	e: inty: trict: idrangle: ies of the be obtain irleston, Wained from	West Virginia Marshall Liberty Littleton state Erosion and from the Serv 25304 (304)	and Sediment Contro ceretary, at the WV 1-926-0450). Copie by visiting www.de	Public Road Watershed:	Access: ed farm name: nd rules related to o al Protection headq tional information i	Greenfield Road Fish Creek/Upper Fi Shawn Harlan il and gas exploi	ration and production at 601 57 th Street, SE, ntal drilling may be Office of Oil and Gas
State Cou Dist Qua Cop may Cha obta	e: inty: trict: idrangle: ies of the be obtain irleston, Wained from	Mest Virginia Marshall Liberty Littleton state Erosion a need from the Serv 25304 (304 the Secretary	and Sediment Contro ccretary, at the WV 1 1-926-0450). Copie by visiting www.de	Public Road Watershed: Generally use of Manual and the statutes ar Department of Environment s of such documents or addit	Access: ed farm name: nd rules related to o al Protection headq tional information i	Greenfield Road Fish Creek/Upper Fi Shawn Harlan il and gas exploi uarters, located a related to horizon	ration and production at 601 57th Street, SE, ntal drilling may be
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WW-6A3 (1/12)

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

		equirement:	Notice shall be prov	ided at	least SEVEN (7) da	ys but no more than	n FORTY-FIV	E (45) days	prior to	
entry Date	of Notice	5/7/2019	Date of Plan	ned E	ntry: 5/14/2019	_				
Deli	very meth	od pursuant t	to West Virginia C	ode § 2	2-6A-10a					
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		y provided to	0:		П сол	I OWNER OR LE	CCCC			
		OWNER(s)				L OWNER OR LE				
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Add					Address.					
Nam	ie:				- \	or the second second second				
Add	ress:			T. →:		ERAL OWNER(s)				
				_		ward Ray Furbee	-			
Nam	e:			- (1205 Clearmount Ave. SE				
Add	ress:			-	North Canton,	, OH 44720 th additional forms if ne	Cessary			
				-	picase attac	in additional forms if no	cossary			
Purs a pla State Cour Distr	uant to We at survey or a: at year. at	the tract of la West Virginia Marshall	ode § 22-6A-10(a), nand as follows:		Public Road / Watershed:	ude & Longitude:	39.733900, -80.623 Greenfield Road Fish Creek/Upper F Shawn Harlan	393	to conduc	t
may Char obtai	be obtaine leston, WV ined from t	d from the Sec / 25304 (304) he Secretary be by given by	cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u>	epartn of sucl	al and the statutes an nent of Environmenta n documents or addit v/oil-and-gas/pages/o	al Protection headquional information r	uarters, located elated to horizo	at 601 57th S ontal drilling RE Office o	Street, SE,	, Gas
	phone:	304-884-1610				Morgantown, WV 26508				
Ema	il:	brittany_woody@)swn.com		Facsimile:	304-884-1690		WV De	partment (of
0:1	and Can I	Duiseans Mati	i.					Environme	ntal Prote	ction

Oil and Gas Privacy Notice:

WW-6A3 (1/12)

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

entry					least SEVEN (7) day ntry: 5/14/2019			207.12.27	
			to West Virginia C						
		_	REGISTERED		METHOD OF DEL	IVERV THAT RE	OUIRES A		
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	-77	y provided t							
		OWNER(s)			(Table 1 Tabl	OWNER OR LE			
Nan	ne:			÷	Name:			-	
Add	ress:			-	Address:				
	ne:				MI MINIE	ERAL OWNER(s)			
Add									
Man	ne+			300	Address:	d Ray Evans 14 Mount View Dr.			
Add	ress:				Wheeling, WV	26003			
	(1) 5 (1) 5			_	*please attac	h additional forms if ne	cessary		
Purs	at survey on	the tract of l	ode § 22-6A-10(a), and as follows:		s hereby given that th Approx. Latit	e undersigned well			conduct
Cou	nty: N				Public Road A	Access:	Greenfield Road		
Dist					Watershed:	The second	Fish Creek/Upper Fis	sh Creek	
Qua	drangle: L	ittleton			Generally use	d farm name:	Shawn Harlan		
may Cha obta	be obtained rleston, WV iined from th	from the Se 25304 (304 ne Secretary	cretary, at the WV I 4-926-0450). Copies by visiting <u>www.de</u>	Departn of suc	al and the statutes an ment of Environmenta h documents or addit ov/oil-and-gas/pages/o	ll Protection headq ional information r	uarters, located a	t 601 57" St tal drilling n	reet, SE,
		by given by			Addeses	Mire Salman	0 N N	OFD	1 0 2010
Wel		5 B-955 F-75	TION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,		SEP	1 8 2019
	enhone:	304-884-1610				Morgantown, WV 26508	0		
Tele		brittany_woody@	1		Facsimile:	304-884-1690		WV De	partment o

	Requirement:	Notice shall be prov	rided at least SEVEN (7) da	ys but no more than	FORTY-FIV	E (45) days prior to
entry Date of Notice	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019			
Delivery me	thod pursuant t	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL I	REGISTERED	☐ METHOD OF DE	LIVERY THAT RE	QUIRES A	
SERVIC	11.75	MAIL	RECEIPT OR SIG			
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Notice is her	eby provided to	0:				
☐ SURFA	CE OWNER(s)		☐ COA	L OWNER OR LES	SSEE	
			Name:			
			Address:			
Name:						 -
Address:			_ III MIN	ERAL OWNER(s)		
			Name: Eli	ner Dean Evans		
Name:			_ Address:	5897 NE 349 HWY		
Address:			Old Town, FL	32860 ch additional forms if neo	w	
	reby given: Vest Virginia Co on the tract of la		notice is hereby given that the	ne undersigned well	operator is pla 39.733900, -80.62	
County:	Address to the		Dublic Dood	the state of the s	Greenfield Road	
District:	100000		Watershad		Fish Creek/Upper	Fish Creek
Quadrangle:	Littleton			ed farm name:	Shawn Harlan	
may be obtain Charleston, V	ned from the Sec VV 25304 (304-	cretary, at the WV I -926-0450). Copies	I Manual and the statutes ar Department of Environments of such documents or addit o.wv.gov/oil-and-gas/pages/	al Protection headquional information re	arters, located	l at 601 57th Street, SE,
Notice is he	reby given by	:				RECEIVED
Well Operato		TON COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,	Suite 201	Office of Oil and Gas
Telephone:	304-884-1610			Morgantown, WV 26508		
Email:	brittany_woody@	gswn.com	Facsimile:	304-884-1690		SEP 1 8 2019
Oil and Gas	Privacy Noti	ice:	aliafa-matian analysas	× - dd=d +-1	hana numbar	WV Department of

	e Requiren	nent: Notice shall be prov	ided at	least SEVEN (7) da	ys but no more than	n FORTY-FIVE (45) days prior to
Date of Not	ice: 5/7/2019	Date of Plan	ned E	ntry: 5/14/2019			
Delivery m	ethod purs	uant to West Virginia Co	ode § 2	2-6A-10a			
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SERVI		MAIL	_	RECEIPT OR SIGN			
on to the sur but no more beneath suc owner of mi and Sedimer Secretary, we enable the s	rface tract to than forty- h tract that inerals under nt Control Markets which statem urface own	nia Code § 22-6A-10(a), For conduct any plat surveys five days prior to such enter that filed a declaration purerlying such tract in the conductant and the statutes and the shall include contact for to obtain copies from the	requir ry to: (suant to unty ta d rules informa	ed pursuant to this and 1) The surface owne to section thirty-six, a to records. The notice related to oil and gast tion, including the a	rticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall be provided at le to any owner or lesse wenty-two of this coo atement that copies of troduction may be obt	east seven days e of coal seams le; and (3) any f the state Erosion ained from the
Notice is he	reby provi	ded to:					
☐ SURFA	CE OWN	ER(s)		☐ COA	L OWNER OR LE	SSEE	
Name:				Name:			
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Address: _			-		ERAL OWNER(s)		
			2	Name: Dor	othy Evans, Life Estate		
Name:	_			7 10 71 71 71 71 71	9705 Lake Bess Rd, Lot#	676	
Address: _			-	Winter Haven,	FL 33884 h additional forms if ne	o accomu	
	West Virgin	nia Code § 22-6A-10(a), n	otice is				entry to conduct
		ct of land as follows:		Annuar I atit	ude & Longitude:	39.733900, -80.623393	
State:	West Virgin	ia .		Public Road		Greenfield Road	
County: District:	Marshall			Watershed:	Access.	Fish Creek/Upper Fish Cree	sk
Quadrangle:				Generally use	d farm name:	Shawn Harlan	
Copies of th may be obta Charleston,	e state Eros ined from t WV 25304	sion and Sediment Control he Secretary, at the WV I (304-926-0450). Copies etary by visiting <u>www.dep</u>	epartm of such	al and the statutes an ent of Environmenta documents or addit	d rules related to o il Protection headq ional information r	uarters, located at 60	57th Street, SE,
Notice is h	ereby give	en by:					
Well Operat		RODUCTION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	Suite 201	RECEIVED
Telephone:	304-884		===		Morgantown, WV 26508		Office of Oil and Gas
Email:	-	woody@swn.com		Facsimile:	304-884-1690		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
							SEP 1 8 2019
Oil and Ga	as Privacy	Notice: Gas processes your person	al infor	mation, such as nam-	e, address and telep	phone number, as par	of our regulatory

	Requirement	: Notice shall be prov	ided at least SEVEN (7)	days but no more tha	nn FORTY-FIVE (45) d	ays prior to
entry Date of Notic	e: 5/7/2019	Date of Plan	ned Entry: 5/14/2019			
Delivery met	hod pursuan	t to West Virginia Co	ode § 22-6A-10a			
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Notice is here	eby provided	to:				
☐ SURFAC	CE OWNER(S	5)		AL OWNER OR LE		
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Address:			- Address	·		
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Address:			_ III MI	NERAL OWNER(s)		
				2 16085 Galehouse Road		
Name:				1, OH 44230		
Address.				tach additional forms if no	ecessary	
a plat survey of State: County:	Vest Virginia (on the tract of West Virginia Marshall	Code § 22-6A-10(a), n f land as follows:	Public Roa	titude & Longitude: d Access:	39.733900, -80.623393 Greenfield Road	
District:					Fish Creek/Upper Fish Creek	
Quadrangle:	Littleton		Generally i	ised farm name:	Shawn Harlan	
may be obtain Charleston, W	ned from the S	Secretary, at the WV D 04-926-0450). Copies	Manual and the statutes bepartment of Environme of such documents or addwv.gov/oil-and-gas/page	ntal Protection headquitional information	quarters, located at 601 5	'7 th Street, SE, ling may be
Notice is her	reby given l	by:				interplication of the original
Well Operator		ICTION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.	., Suite 201	
Telephone:	304-884-1610			Morgantown, WV 2650	08	SEP 1 8 2019
Email:	brittany_wood	y@swn.com	Facsimile	304-884-1690		
						Department of
Oil and Gas			al information, such as na	me address and tele	enhone number, as part o	

	me Requirem	ent. Notice shall be pro-	vided at least SEVEN (7) days	but no more than	FURIT-FIVE (43) days prior to
entry Date of N	otice: 5/7/2019	Date of Pla	nned Entry: 5/14/2019	_		
		ant to West Virginia C				
Delivery	nethou pursu				March and L	
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			Name: Michae			-
Name:			Address: 131	7 Morgan Rd		+b
Address:			Dover, AR 72837	ditional forms if nec	PASSATV	-0
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Pursuant to a plat surv State: County:	hereby give o West Virgin rey on the trac West Virginia Marshall Liberty	ia Code § 22-6A-10(a), t of land as follows:	Approx. Latitud Public Road Acc Watershed:	e & Longitude:	operator is planning 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Cre	
Pursuant to a plat surv State:	o West Virgin rey on the trac West Virginia Marshall Liberty	ia Code § 22-6A-10(a), t of land as follows:	Approx. Latitud	e & Longitude: cess:	39.733900, -80.623393 Greenfield Road	
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Oil and Gas Privacy Notice:

WW-6A3 (1/12)

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

entry		5/7/2019			ntry: 5/14/2019			
			to West Virginia C					
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	PERSONA	AL 🔳	REGISTERED	Ш	METHOD OF DEL			
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Notic	e is hereb	y provided t	0:					
	SURFACE	OWNER(s)				L OWNER OR LE		
Name	:			_	Name:			Y. all
Addre					Address:			-
Name					-			
Addre	ess:				The second secon	ERAL OWNER(s)		
				-	Name: Del	pie Elliott		-
Name	:			4.1	Address: San Jose, CA	5057 Camden Ave.		4
				2		h additional forms if ne	ecessary	
Notic Pursu	ce is here ant to Wes	by given: st Virginia Co		notice i	s hereby given that th Approx. Latit	e undersigned wel		g entry to conduct
Coun	ty:	Marshall			Public Road	Access:	Greenfield Road	
Distri	_				Watershed:		Fish Creek/Upper Fish Cr	eek
Quad	rangle: L	ittleton			Generally use	d farm name:	Shawn Harlan	
may be Charle obtain Notice Well	be obtained eston, WV ned from the ce is here Operator:	d from the Se 7 25304 (304 the Secretary law by given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u>	of suc	al and the statutes an nent of Environmenta h documents or addit ty/oil-and-gas/pages/o	ll Protection headq ional information r	uarters, located at 60 related to horizontal	11 57 th Street, SE,
	hone:	304-884-1610				Morgantown, WV 26508	3	
Email	l:	brittany_woody@	gswn.com	-	Facsimile:	304-884-1690		SEP 1 8 2019
Oil a	nd Gas F	Privacy Not	ice:					WW Department of

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory olection 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.

WW-6A3 (1/12)

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

	e Time Rec	an ement.	Notice shall be prov	ided at le	ast SEVEN (7) da	ys but no more tha	n FORTY-FIVE	(45) days prior to
Date of	of Notice:	5/7/2019	Date of Plan	ned Ent	ry: 5/14/2019			
			to West Virginia Co	nde S 22-	6A-10a			
Delive	ery method	pursuant	o west virginia Ci)de 9 22-	0A-10a			
□ F	PERSONAI		REGISTERED	\square N	METHOD OF DEL	IVERY THAT RE	EQUIRES A	
S	SERVICE		MAIL	R	ECEIPT OR SIGN	NATURE CONFIR	RMATION	
on to to but no beneat owner and Se Secret enable	the surface o more than th such trace of mineral ediment Co- tary, which the surface	tract to cond forty-five d t that has fil s underlying ntrol Manua statement sl e owner to o	duct any plat surveys ays prior to such ent led a declaration pur g such tract in the co all and the statutes an hall include contact in obtain copies from the	s required try to: (1) suant to s unty tax r d rules re information	pursuant to this and The surface owner ection thirty-six, a records. The notice lated to oil and gas on, including the a	ticle. Such notice : r of such tract; (2) rticle six, chapter t e shall include a st s exploration and p	shall be provided to any owner or l wenty-two of this atement that copion oroduction may be	essee of coal seams s code; and (3) any es of the state Erosion e obtained from the
		provided to					- C. C. C. C.	
\sqcup s	URFACE (OWNER(s)			and the second	L OWNER OR LE		
Name:	:			-	Name:			
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Addre	ss:			-		ERAL OWNER(s)		
				_	Name: Rat	ly D. Jefferson		
Name:	:			-3		PO Box 471275		
Addre	ss:			2	Lake Monroe,	FL 32747 h additional forms if ne	PORSSATV	
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Pursua a plat : State: Count District	ant to West survey on t We y: Mai	Virginia Co he tract of la st Virginia rshall			Approx. Latit	ude & Longitude: Access:	39.733900, -80.62339 Greenfield Road	33
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WW-6A3 (1/12)

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

	ne Require	ment:	Notice shall be prov	vided at	least SEVEN (7) da	ys but no more than	n FORTY-FI	VE (45) days prior to
entry Date of No	otice: 5/7/201	9	Date of Pla	nned E	ntry: 5/14/2019			
Delivery r	nethod pur	suant t	to West Virginia C	ode § 2	2-6A-10a			
Прев	SONAL		REGISTERED	П	METHOD OF DEL	IVERY THAT RE	EOUIRES A	
SERV	5 5 5 5 4 4 5		MAIL		RECEIPT OR SIGN			
on to the s but no mon beneath su owner of n and Sedim Secretary,	urface tract re than forty ich tract that ninerals und tent Control which state	to cond r-five d t has fil lerlying Manua ment sl	duct any plat survey ays prior to such en ed a declaration put such tract in the co al and the statutes ar	s requir try to: (rsuant to ounty tai nd rules informa	ed pursuant to this and 1) The surface owner to section thirty-six, and to records. The notice related to oil and gast ation, including the and	ticle. Such notice of r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall be provide to any owner of wenty-two of to atement that controlled to broduction may	notice of planned entry led at least seven days or lessee of coal seams this code; and (3) any opies of the state Erosion be obtained from the retary's web site, to
Notice is I	nereby prov	rided to	0:					
☐ SURE	FACE OWN	ER(s)			☐ COA	LOWNER OR LE	SSEE	
					Name:			
Address:					Address:			
NT				9 01	-			
Address:				-	I MINI	ERAL OWNER(s)		
71001033.				311	Name: Tor			
Name:					Address:	1304 S. 105th Pl., Apt. 30	18	
Address:				-	Mesa, AZ 852	ne nadditional forms if ne		
Pursuant to	hereby given west Virgon the tra	inia Co act of la	ode § 22-6A-10(a), and as follows:	notice is		e undersigned wel	l operator is pl	anning entry to conduct
County:	Marshall	iina			Public Road	ALTERNATION AND THE PROPERTY OF THE PERSON O	Greenfield Road	
District:	Liberty				Watershed:		Fish Creek/Upper	Fish Creek
Quadrangl	e: Littleton				Generally use	d farm name:	Shawn Harlan	
may be ob Charleston	tained from , WV 2530	the Sec 4 (304	cretary, at the WV I -926-0450). Copies	Departm of such	ent of Environmenta	l Protection headq ional information r	uarters, located	oration and production d at 601 57 th Street, SE, ontal drilling may be
Notice is	hereby giv	ven by	:		and the second			RECEIVED Office of Oil and Gas
Well Oper		RODUCT	TON COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,		Office of Off and day
Telephone	304-88	4-1610				Morgantown, WV 26508	8	SEP 1 8 2019
Email:	brittany	_woody@	swn.com		Facsimile:	304-884-1690		VI
Oil and C	Gas Privac	v Noti	ice:					WV Department of
The Office duties. Yo	of Oil and our personal	Gas proinform	ocesses your person nation may be disc	losed to	other State agencie	s or third parties i	in the normal	, as part of our regulatory course of business or as equests. 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.

WW-6A3 (1/12)

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

Noti		Requirem	ent: Notice shall be prov	vided at	least SEVEN (7) day	ys but no more than	1 FORTY-FIVE (4	5) days prior to
		e: 5/7/2019	Date of Pla	nned E	ntry: 5/14/2019			
Deli	very met	hod pursu	uant to West Virginia C	ode § 2	2-6A-10a			
П	PERSO	NAT	REGISTERED	П	METHOD OF DEL	IVERY THAT RE	OUIRES A	
_	SERVIC		MAIL	_	RECEIPT OR SIGN			
on to but i bene own and Secr	o the surfino more the eath such ear of min Sediment retary, who	ace tract to han forty-i tract that h erals under Control M tich statem	nia Code § 22-6A-10(a), lo conduct any plat survey five days prior to such en has filed a declaration purlying such tract in the community and the statutes are ent shall include contact or to obtain copies from the	s requir try to: (rsuant to ounty ta nd rules informa	ed pursuant to this ar 1) The surface owner o section thirty-six, and x records. The notice related to oil and gas ation, including the ac-	ticle. Such notice s of such tract; (2) the rticle six, chapter to e shall include a state exploration and p	thall be provided at to any owner or less wenty-two of this co atement that copies of troduction may be of	ee of coal seams ode; and (3) any of the state Erosion otained from the
Noti	ice is her	eby provi	ded to:					
	SURFAC	CE OWNE	R(s)		☐ COA	LOWNER OR LE	SSEE	
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Add	ress:				Address:			2
Man) 			=
Add	ress:			-	II MINE	ERAL OWNER(s)		
					Name: Kan			
Nan	ne:			_	Address:	22 Clinton St		_
Add	ress:			-	North Middleto	wrt. NJ 07748 h additional forms if ne	nacran/	-
Not	tice is he	reby give	en: nia Code § 22-6A-10(a),	notice is				g entry to conduct
a pla	at survey	on the trac	et of land as follows:	notice i.				
Stat		West Virgini	а			ude & Longitude:	39.733900, -80.623393	
	nty:	Marshall				Access:	Greenfield Road	enak
	rict:				Watershed: Generally use	d form name:	Fish Creek/Upper Fish C	eek
Cop may Cha	be obtain	ned from to VV 25304	tion and Sediment Control the Secretary, at the WV is (304-926-0450). Copies etary by visiting www.de	Departn s of suc	al and the statutes an nent of Environmenta h documents or addit	d rules related to o il Protection headq ional information r	il and gas exploration	01 57" Street, SE, drilling may be
		12:1.22						RECEIVED
	tice is he	reby give			Address:	1300 Fort Pierpont, Dr.	Suita 201	Office of Oil and Gas
	ephone:	304-884-	ODUCTION COMPANY, LLC		Addiess	Morgantown, WV 2650		0.000
Ema	-	-	woody@swn.com		Facsimile:	304-884-1690		SEP 18 2019
Oil The	and Ga	s Privacy		nal info	rmation, such as nam	e, address and tele	phone number, as point the normal cours	WV Department of art of our regulatory se 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.

WW-6A3 (1/12)

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

	Requirement:	Notice shall be prov	vided at least SEVEN (7) da	ays but no more tha	an FORTY-FIV	E (45) days p	prior to
entry Date of Noti	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019				
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a				
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DE	LIVERY THAT R	EQUIRES A		
SERVIC		MAIL	RECEIPT OR SIG				
on to the surf but no more beneath such owner of min and Sedimen Secretary, wh enable the su	face tract to condition forty-five distract that has filerals underlying the Control Manualich statement strace owner to confide the control of the control	duct any plat surveys ays prior to such enter ed a declaration pure g such tract in the co all and the statutes and hall include contact btain copies from the	Prior to filing a permit applish required pursuant to this a try to: (1) The surface owners and to section thirty-six, a punty tax records. The notion of rules related to oil and gainformation, including the age secretary.	article. Such notice er of such tract; (2) article six, chapter be shall include a st as exploration and p	shall be provide to any owner of twenty-two of the atement that co- production may	ed at least sever r lessee of coan his code; and (pies of the star be obtained fr	en days Il seams (3) any te Erosion rom the
	eby provided to);	100				
	CE OWNER(s)			L OWNER OR LE			
Name:			Name:				
Address:			_ Address:				
Name:						_	
Address:			_ I MINI	ERAL OWNER(s)			
			Name: Cal	vie Jo. Thomas			
Name:			- Address:	21803 E. Munoz St.			
			Queen Creek,	, AZ 85142 ch additional forms if ne			
Pursuant to W	reby given: /est Virginia Co on the tract of la	de § 22-6A-10(a), n	otice is hereby given that th			nning entry to	conduct
State:	West Virginia		Approx. Latit	ude & Longitude:	39.733900, -80.623	393	
County:	Marshall		Public Road A		Greenfield Road		
District:	Liberty		Watershed:		Fish Creek/Upper F	ish Creek	
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan		
Copies of the	ed from the Sec	retary, at the WV D	Manual and the statutes an epartment of Environmenta of such documents or addit.	d Protection headquional information r	uarters, located	at 601 57 th Str ntal drilling m	eet, SE.
may be obtain Charleston, W obtained from	V 25304 (304- the Secretary b	y visiting <u>www.dep.</u>	.wv.gov/oil-and-gas/pages/o	<u>lefault.aspx</u> .			Oil and Gas
may be obtain Charleston, Wobtained from Notice is he	V 25304 (304- the Secretary b reby given by:	y visiting <u>www.dep.</u>	.wv.gov/oil-and-gas/pages/o		Suite 201	Office of	Oil and Gas
may be obtain Charleston, W bbtained from Notice is her Well Operator	V 25304 (304- the Secretary b reby given by:	y visiting <u>www.dep.</u>	.wv.gov/oil-and-gas/pages/o	1300 Fort Pierpont, Dr.,		Office of	
may be obtain Charleston, W obtained from	TV 25304 (304- the Secretary by reby given by: SWN PRODUCTION	y visiting <u>www.dep.</u> ON COMPANY, LLC	.wv.gov/oil-and-gas/pages/o			Office of	Oil and Gas

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

	Requirement:	: Notice shall be prov	ded at least SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to	
entry Date of Noti	ce: 5/7/2019	Date of Pla	ned Entry: 5/14/2019	_			
		to West Virginia C	de § 22-6A-10a				
		REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	OUIRES A		
☐ PERSO SERVIO		MAIL	RECEIPT OR SIGN				
on to the sur- but no more beneath such owner of min and Sedimen Secretary, wi enable the su	face tract to conthan forty-five tract that has forerals underlying Control Manuhich statement or face owner to	nduct any plat survey days prior to such en filed a declaration pung such tract in the course and the statutes as shall include contact obtain copies from the copies from the statutes as	rior to filing a permit application required pursuant to this art by to: (1) The surface owner suant to section thirty-six, arounty tax records. The noticed rules related to oil and gas information, including the accessed records.	of such tract; (2) to ticle six, chapter to shall include a sta exploration and pr	o any owner or lessed wenty-two of this contement that copies of coduction may be ob-	the of coal seams de; and (3) any of the state Erosion tained from the	
	reby provided		П сом	OWNED OF LE	CCEE		
	CE OWNER(s			COAL OWNER OR LESSEE Name:			
			1.1.1.	Address:			
						-	
Name:			- III vana	ERAL OWNER(s)			
Address:			-				
.,				2783 N. Stanton Ave		-	
						-0	
Address				h additional forms if ne	cessary		
Pursuant to ' a plat survey State: County:	on the tract of West Virginia Marshall	Code § 22-6A-10(a), land as follows:	Approx. Latit Public Road A Watershed:	ude & Longitude:	operator is plannin 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Cr		
District:	Liberty		Generally use	d form name:	Shawn Harlan		
may be obta	e state Erosion ined from the S WV 25304 (30	Secretary, at the WV 04-926-0450). Copie	I Manual and the statutes an Department of Environmenta of such documents or addit b.wv.gov/oil-and-gas/pages/o	d rules related to o Il Protection headq ional information r	uarters, located at of	11 37 Succe, SE,	
						RECEIVED	
	ereby given l	All the second death for second decision in	Address:	1300 Fort Pierpont, Dr.,	Suite 201	Office of Oil and Gas	
Well Operat	The second secon	CTION COMPANY, LLC	7 Kidi Coo.	Morgantown, WV 26508		Amaz A an and and	
Telephone: Email:	304-884-1610		Facsimile:	304-884-1690		SEP 1 8 2019	
Lilian.	brittany_wood	y@awn.com	* *************************************	**************************************		SEP 1 8 2019	
Oil and G	as Privacy No	otice:				WV Department o	

entry Date of N	otice: 5/7/201		vided at least SEVEN (7) day					
Delivery	method pur	suant to West Virginia C	ode § 22-6A-10a					
☐ PER	SONAL	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	EQUIRES A			
SER	VICE	MAIL	RECEIPT OR SIGN	ATURE CONFIR	RMATION			
on to the sibut no mo beneath si owner of sand Sedin Secretary, enable the	surface tract are than forty uch tract that minerals und ment Control which states surface own	to conduct any plat survey -five days prior to such en has filed a declaration pur lerlying such tract in the conduction and the statutes are ment shall include contact ment to obtain copies from the contact of	Prior to filing a permit applic is required pursuant to this are try to: (1) The surface owner issuant to section thirty-six, a punty tax records. The notice and rules related to oil and gas information, including the a the secretary.	ticle. Such notice: of such tract; (2) rticle six, chapter t e shall include a st exploration and p	shall be provided at to any owner or less wenty-two of this catement that copies production may be o	see of coal seams ode; and (3) any of the state Erosion obtained from the		
Notice is	hereby prov	rided to:	12.00					
☐ SUR	FACE OWN	ER(s)		LOWNER OR LE	ESSEE			
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Address:			_ I MINI	ERAL OWNER(s)				
			Name: Dal			-0		
Name:			_ Address:	1467 Airport Road		_		
			Pageland, SC	26728 h additional forms if ne	ecessary	-		
Address:			- please attac	il additional forms if he				
Notice is Pursuant t a plat surv State: County:	hereby gives of the tra	inia Code § 22-6A-10(a), act of land as follows:	notice is hereby given that th Approx. Latit Public Road A	e undersigned wel	Il operator is plannin 39.733900, -80.623393 Greenfield Road			
Notice is Pursuant t	hereby given west Virg	inia Code § 22-6A-10(a), act of land as follows: nia	notice is hereby given that the Approx. Latite Public Road A Watershed:	e undersigned wel ude & Longitude: Access:	Il operator is plannin 39.733900, -80.623393 Greenfield Road	ng entry to conduct		
Notice is Pursuant to a plat surve State: County: District: Quadrang Copies of may be ob Charleston	hereby gives on the tra West Virgi Marshall Liberty the state Erro stained from n, WV 2530	inia Code § 22-6A-10(a), act of land as follows: nia osion and Sediment Contro the Secretary, at the WV I 4 (304-926-0450). Copies	Approx. Latit Public Road A Watershed: Generally use I Manual and the statutes an Department of Environmenta s of such documents or addit	e undersigned wel ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information i	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish C Shawn Harlan oil and gas exploration arters, located at 6	on and production 501 57 th Street, SE,		
Notice is Pursuant to a plat surve State: County: District: Quadrang Copies of may be ob Charleston	hereby gives on the tra West Virgi Marshall Liberty the state Erro stained from n, WV 2530	inia Code § 22-6A-10(a), act of land as follows: nia osion and Sediment Contro the Secretary, at the WV I 4 (304-926-0450). Copies	Approx. Latit Public Road A Watershed: Generally use I Manual and the statutes an	e undersigned wel ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information i	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish C Shawn Harlan oil and gas exploration arters, located at 6	on and production 501 57 th Street, SE,		
Notice is Pursuant t a plat surv State: County: District: Quadrang Copies of may be ob Charleston obtained f	hereby gives on the tra West Virgi Marshall Liberty the state Erro stained from n, WV 2530	inia Code § 22-6A-10(a), act of land as follows: nia psion and Sediment Control the Secretary, at the WV I 4 (304-926-0450). Copies retary by visiting www.de	Approx. Latit Public Road A Watershed: Generally use I Manual and the statutes an Department of Environmenta s of such documents or addit	e undersigned wel ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information i	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish C Shawn Harlan oil and gas exploration arters, located at 6	on and production 501 57 th Street, SE,		
Notice is Pursuant t a plat surv State: County: District: Quadrang Copies of may be ob Charleston obtained f	hereby give on the tra West Virgy Marshall Liberty le: Littleton the state Erro stained from n, WV 2530 from the Sect	inia Code § 22-6A-10(a), act of land as follows: nia psion and Sediment Control the Secretary, at the WV I 4 (304-926-0450). Copies retary by visiting www.de	Approx. Latit Public Road A Watershed: Generally use I Manual and the statutes an Department of Environmenta s of such documents or addit	e undersigned wel ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information i	39.733900, -80.523393 Greenfield Road Fish Creek/Upper Fish C Shawn Harlan oil and gas exploration and gas exploration are lated to horizontal	on and production 501 57 th Street, SE, d drilling may be		
Notice is Pursuant t a plat surv State: County: District: Quadrang Copies of may be ob Charleston obtained f	hereby gives on the transport of the state Error of the Secretary of the Secretary is the state of the Secretary of the Secre	inia Code § 22-6A-10(a), act of land as follows: nia osion and Sediment Contro the Secretary, at the WV I 4 (304-926-0450). Copies retary by visiting www.de	Approx. Latit Public Road A Watershed: Generally use of Manual and the statutes an Department of Environmenta s of such documents or addit p.wv.gov/oil-and-gas/pages/o	e undersigned wel ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information i default.aspx.	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish C Shawn Harlan oil and gas exploration are a series of the control of the cont	on and production 501 57 th Street, SE,		

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

Notice Time	Requirement:	Notice shall be prov	vided at	least SEVEN (7) day	s but no more than	FORTY-FIVE (45	5) days prior to	
entry Date of Notic	e: 5/7/2019	Date of Pla	nned Er	itry: 5/14/2019				
		to West Virginia C	ode 8 22	2-6A-10a				
Denvery men	nou pursuant	to west viighia c				A. J		
☐ PERSON	NAL I	REGISTERED		METHOD OF DEL				
SERVIC	E	MAIL		RECEIPT OR SIGN	ATURE CONFIR	MATION		
on to the surfa- but no more the beneath such to owner of mine and Sediment Secretary, when able the sur	ace tract to con han forty-five of tract that has five erals underlyin Control Manu ich statement serface owner to	duct any plat survey days prior to such en iled a declaration puring such tract in the contact and the statutes as shall include contact obtain copies from the contact of the statutes are obtain copies from the contact of the statutes are obtain copies from the contact of the statutes are obtain copies from the contact of the statutes are statutes are obtain copies from the contact of the statutes are statutes	rs require stry to: () rsuant to ounty tax and rules informa	filing a permit appliced pursuant to this are by The surface owner section thirty-six, are records. The notice related to oil and gastion, including the actory.	of such tract; (2) the ticle six, chapter to shall include a state exploration and properties.	to any owner or lesson wenty-two of this contement that copies of the roduction may be ob-	ee of coal seams de; and (3) any of the state Erosion otained from the	
Notice is here	eby provided	to:		2.57				
☐ SURFAC	CE OWNER(s)			☐ COAI	OWNER OR LE	SSEE		
Name:			Name:	Name:				
			-	Address:	Address:			
Name:				■ MINE	RAL OWNER(s)			
Address					Jeanne Govro De Clue R			
Name:				Address:	\$05 Morning Sun Circle			
				Birmingham, A	L 35242		<u>1</u>	
Notice is he	reby given:		-		n additional forms if ne		a entry to conduct	
Pursuant to W	lest Virginia C	Code § 22-6A-10(a),	notice is	hereby given that th	e undersigned well	operator is planning	g entry to conduct	
a plat survey State:	on the tract of West Virginia	land as follows:		Approx. Latit	ade & Longitude:	39.733900, -80.623393		
County:	Marshall			Public Road A		Greenfield Road		
District:	Liberty			Watershed:		Fish Creek/Upper Fish Cr	eek	
Quadrangle:	Littleton			Generally use	d farm name:	Shawn Harlan		
may be obtain Charleston, V obtained from	ned from the S VV 25304 (30 in the Secretary reby given b	ecretary, at the WV 4-926-0450). Copie by visiting www.de	Departm s of such	al and the statutes and tent of Environmenta a documents or additi v/oil-and-gas/pages/o	l Protection headq ional information r	uarters, located at 60 related to horizontal	of 57" Street, 5E,	
Email:	brittany_woody	@swn.com		Facsimile:	304-884-1690		Onto of Diracio Gui	
	s Privacy No	7					SEP 1 8 2019	

Operator Well No. Shawn Harlan MSH

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

	Requirement:	Notice shall be prov	ided at least SEVEN (7) d	ays but no more tha	n FORTY-FIVI	E (45) days prior to		
Date of Notice	5/7/2019	Date of Plan	nned Entry: 5/14/2019					
Delivery meth	od pursuant	to West Virginia Co	ode § 22-6A-10a					
☐ PERSON	IAI.	REGISTERED	☐ METHOD OF DE	LIVERY THAT RE	EOUIRES A			
SERVICE		MAIL		NATURE CONFIR	The state of the s			
on to the surfa- but no more th beneath such to owner of mine and Sediment of Secretary, which enable the surfa-	ce tract to conc an forty-five d ract that has fil rals underlying Control Manua ch statement sl ace owner to co	duct any plat surveys lays prior to such ent led a declaration pur- g such tract in the co- al and the statutes an hall include contact in obtain copies from the	rior to filing a permit appl required pursuant to this a ry to: (1) The surface own suant to section thirty-six, unty tax records. The notion d rules related to oil and gan formation, including the e secretary.	article. Such notice er of such tract; (2) article six, chapter to be shall include a sta as exploration and p	shall be provided to any owner or wenty-two of thi atement that cop production may b	I at least seven days lessee of coal seams is code; and (3) any ies of the state Erosion e obtained from the		
Notice is here	by provided to	0:	-					
☐ SURFAC	E OWNER(s)			L OWNER OR LE				
Name:			Name:	Name:				
Address:			Address:					
Name:								
Address:			■ MIN	ERAL OWNER(s)				
Manuel			Name: Da	vid A. Teagarden 1304 Kiowa Drive W				
Name:			Address:	1304 Kiowa Drive W		_		
Address:			Lake Kiowa, *please atta	ch additional forms if ne	ecessary			
a plat survey of State: County: District: Quadrangle: Copies of the s may be obtaine Charleston, Wobtained from the Notice is here	est Virginia Con the tract of lawest Virginia Marshall Liberty Littleton tate Erosion are d from the Sec V 25304 (304-the Secretary by	and as follows: and Sediment Control cretary, at the WV D -926-0450). Copies by visiting www.dep.	Public Road Watershed:	tude & Longitude: Access: ed farm name: ad rules related to of	39.733900, -80.6233 Greenfield Road Fish Creek/Upper Fis Shawn Harlan il and gas explorauarters, located a elated to horizon	ation and production t 601 57 th Street, SE, tal drilling may be		
Telephone:	304-884-1610	ION COMPANY, LLC	Address:			Office of Oil and Gas		
Email:	brittany_woody@	swn.com	Facsimile:	Morgantown, WV 26508 304-884-1690		1 0 0010		
	Similarly_Woody@	Settle Coll	, additine,			SEP 1 8 2019		
Oil and Gas	Privacy Noti	ce:				WW Donardment of		

entry			nned Entry: 5/14/2019	ays out no more and	III OMI I TI	. L (45) days	prior to
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a				
PERSO:		REGISTERED MAIL		LIVERY THAT RE	-9		
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh enable the sur	ace tract to con- han forty-five of tract that has fi- erals underlying Control Manu- ich statement sufface owner to con-	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes ar hall include contact obtain copies from the	Prior to filing a permit apply is required pursuant to this try to: (1) The surface own resuant to section thirty-six, ounty tax records. The notion of rules related to oil and go information, including the ne secretary.	article. Such notice ser of such tract; (2) article six, chapter to shall include a state exploration and p	shall be provide to any owner of wenty-two of the atement that controlled may	ed at least se r lessee of co his code; and pies of the st be obtained	even days oal seams d (3) any tate Erosion from the
	eby provided t		Пос				
	CE OWNER(s)			COAL OWNER OR LESSEE Name:			
Name:			Name: _				
Address:						_	
Name:							
Address:				ERAL OWNER(s)			
NT.			Name: L	a Lee Briggs, Billy Meryl Evans, & Bonita		othy Evans	
Name:			_ Address:	9705 Lake Bess Rd, Lot #	676		
Address:			Winter Have	n, FL 33884 ch additional forms if ne	cessary	_	
	est Virginia Co	ode § 22-6A-10(a), n and as follows:	notice is hereby given that t	he undersigned well tude & Longitude:	operator is pla		to conduct
County:	Marshall		Dublic Dood		Greenfield Road		
District:	Liberty			,	Fish Creek/Upper i	Fish Creek	
Quadrangle:	Littleton		V 9226 900 93	ed farm name:	Shawn Harlan		
may be obtain Charleston, W obtained from	ed from the Sec V 25304 (304-	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	Manual and the statutes as Department of Environment of such documents or addi .wv.gov/oil-and-gas/pages	al Protection headquitional information re	arters, located	at 601 57 th S ontal drilling REC	Street, SE,
Well Operator			Address:	A2002/A2000-24			
wen Орегаюі Геlephone:	304-884-1610	TON COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,		CED	Q 2040
Email:	brittany woody@	swn.com	Facsimile:	Morgantown, WV 26508 304-884-1690			1 8 2019
						WV Dep	artment of
	Privacy Noti		al information, such as nam	o address and talon	hana numban		tal Protection

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.

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

entry	Requirement:		nned Entry: 5/14/2019	ys but no more tha	n FORI Y-FIV	E (45) days prior to		
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a					
□ PERSO		REGISTERED MAIL	☐ METHOD OF DEI RECEIPT OR SIG		The state of the s			
on to the sur- but no more beneath such owner of min and Sedimen Secretary, when enable the su	face tract to con than forty-five of tract that has finerals underlying t Control Manu- nich statement surface owner to o	duct any plat survey. lays prior to such en- led a declaration pur- g such tract in the co- al and the statutes an hall include contact obtain copies from the	Prior to filing a permit appli s required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notion of rules related to oil and gatinformation, including the a me secretary.	rticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall be provide to any owner o wenty-two of the atement that co roduction may	ed at least seven days r lessee of coal seams his code; and (3) any pies of the state Erosion be obtained from the		
Notice is her	eby provided t	0:						
☐ SURFA	CE OWNER(s)			LOWNER OR LE	SSEE			
Vame:			Name:	Name:				
Address:			Address:					
Name:								
Address:			_ I MIN	ERAL OWNER(s)				
			Name Jar	et Oates				
Name:			_ Address:	1319 Granborough Dr.				
Address:			Gardenville, N	V 89410 h additional forms if ne				
	reby given: Vest Virginia Co	ode § 22-6A-10(a), n	notice is hereby given that the	e undersigned well	l operator is pla	unning entry to conduct		
a plat survey	on the tract of l	and as follows:						
State:	West Virginia			ude & Longitude:		3393		
County:	Marshall		Public Road	Access:	Greenfield Road			
District:						Fish Creek		
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan			
may be obtain Charleston, Voltained from Notice is he Well Operato	ned from the Se VV 25304 (304 the Secretary I reby given by	cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u>	I Manual and the statutes an Department of Environmenta of such documents or addit www.gov/oil-and-gas/pages/ Address:	l Protection headquional information re	uarters, located elated to horizo	at 601 57 th Street, SE, intal drilling may be RECEIVED Office of Oil and Gas		
Telephone:	304-884-1610			Morgantown, WV 26508		SEP 1 8 2019		
Email:	brittany_woody@	swn.com	Facsimile:	304-884-1690		WV Department of		
Oil and Co.	Privacy Not	ice:				Environmental Protection		
on and Ga	a i i i acy 110th	ico.		10.5 m - 6.10-4	Acres Con Services			

Operator Well No. Shawn Harlan MSH

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

Notice Time	Requirement:	Notice shall be prov	vided at least SEVEN (7) da	ys but no more than	FORTY-FI	VE (45) days prior to	
	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019				
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a				
☐ PERSO	NAT.	REGISTERED	☐ METHOD OF DE	IVERY THAT RE	OUIRES A		
SERVIC		MAIL	RECEIPT OR SIG				
on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the sur-	race tract to con- than forty-five of tract that has fi- terals underlying t Control Manu- tich statement si rface owner to con-	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes ar hall include contact obtain copies from the	Prior to filing a permit appli is required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notice and rules related to oil and gat information, including the a me secretary.	rticle. Such notice s or of such tract; (2) to irticle six, chapter to be shall include a sta s exploration and pro-	hall be provided o any owner of wenty-two of tement that conduction may	led at least seven days or lessee of coal seams this code; and (3) any opies of the state Erosion be obtained from the	
Notice is her	eby provided t	0:					
☐ SURFAC	CE OWNER(s)		□ coa	L OWNER OR LES	SSEE		
Name:							
			Address:	Name:Address:			
Address:			III MIN	ERAL OWNER(s)			
			Name: Sto	Whipkey & Twila O. Whipke	y, Trustees of Trust A	greement	
Name:			_ Address:	1 Bank Plaza			
Address:			Wheeling, W	25003 th additional forms if nec	eccan;		
Pursuant to W	on the tract of la West Virginia Marshall		Public Road / Watershed:	ude & Longitude:	operator is pl 39,733900, -80,62 Greenfield Road Fish Creek/Upper Shawn Harlan	23393	
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Hanan		
may be obtain Charleston, Wobtained from Notice is he	ned from the Sec VV 25304 (304) the Secretary by reby given by	cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u>	Manual and the statutes an Department of Environments of such documents or addit .wv.gov/oil-and-gas/pages/	l Protection headqu ional information re	arters, located	d at 601 57 th Street, SE, ontal drilling may be	
Well Operato	-	TON COMPANY, LLC	Address:	1300 Fort Pierpont, Dr., S	Suite 201	RECEIVED Office of Oil and Gas	
Telephone:	304-884-1610			Morgantown, WV 26508		Office of Oil and Gas	
Email:	brittany_woody@	swn.com	Facsimile:	304-884-1690		4 8 8 8 8	
	Privacy Noti		al information, such as nam			SEP 1 8 2019	

duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business of salon 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.

Operator Well No. Shawn Harlan MSH

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

Notice Tin	e Requireme	ent: Notice shall be prov	rided at least SEVEN (7) da	ys but no more tha	n FORTY-FIV	E (45) days prior to	
	tice: 5/7/2019	Date of Plan	nned Entry: 5/14/2019				
Delivery m	ethod pursu	ant to West Virginia C	ode § 22-6A-10a				
☐ PERS	ONAL	■ REGISTERED	☐ METHOD OF DE	LIVERY THAT RI	EQUIRES A		
SERV		MAIL	RECEIPT OR SIG				
on to the subut no more beneath successions of mand Sedime Secretary, venable the	rface tract to e than forty-fi sh tract that ha inerals underl ent Control Mandich stateme surface owner	conduct any plat surveys we days prior to such end as filed a declaration pur ying such tract in the co- anual and the statutes and and shall include contact to obtain copies from the	Prior to filing a permit applish required pursuant to this a try to: (1) The surface owners suant to section thirty-six, a unty tax records. The notion of rules related to oil and gainformation, including the age secretary.	rticle. Such notice or of such tract; (2) article six, chapter to be shall include a st s exploration and p	shall be provide to any owner or wenty-two of th atement that cop production may be	d at least seven days lessee of coal seams is code; and (3) any sies of the state Erosion be obtained from the	
Notice is h	ereby provid	ed to:					
☐ SURF.	ACE OWNER	R(s)	☐ COA	LOWNER OR LE	ESSEE		
Name:			Name:	Name:			
Address:			Address:	Address:			
Name:			\				
Address: _			_ LI MIN	ERAL OWNER(s)			
			Name Glo				
Name:			Address:	837 Adler Drive			
Address: _			Deltona, FL 3	2738 th additional forms if ne	200000		
ursuant to		a Code § 22-6A-10(a), n of land as follows:	Dublic Pood	ude & Longitude:	l operator is plan 39.733900, -80.623		
District:	-			TCCCSS.	Fish Creek/Upper Fi	sh Creek	
Quadrangle			1,000,000,000	ed farm name:	Shawn Harlan	SIT OCCUR	
Copies of th	ained from the	Secretary, at the WV D 304-926-0450). Copies	Manual and the statutes an Department of Environmenta of such documents or addit .wv.gov/oil-and-gas/pages/	al Protection headq ional information r	uarters, located	at 601 57 th Street, SE, ntal drilling may be	
nay be obta Charleston,		ary by visiting <u>www.dep</u>				ISSUELL THE PARTY.	
may be obtained from						SE ONE IIC TO PORT	
may be obtained from	om the Secreta		Address:	1300 Fort Pierpont, Dr.,	Suite 201		
may be obtained from Notice is I	om the Secreta	by:		1300 Fort Pierpont, Dr., Morgantown, WV 26508		SEP 18 LUIS	
may be obtained from	nereby given tor: SWN PROI 304-884-16	by:	Address:				

Notice Time	Requirement:	Notice shall be prov	ided at least SEVEN (7) d	ays but no more tha	n FORTY	-FIVE (45) days prior to
	ce: 5/7/2019	Date of Plan	ned Entry: 5/14/2019			
Delivery me	thod pursuant t	to West Virginia Co	ode § 22-6A-10a			
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DE	LIVERY THAT RE	FOURES	A
SERVIO		MAIL		NATURE CONFIR		
on to the surf but no more to beneath such owner of min and Sedimen Secretary, when able the su	ace tract to cond than forty-five d tract that has fil terals underlying t Control Manua tich statement sh	duct any plat surveys ays prior to such ent ed a declaration purs such tract in the contact and the statutes and all include contact i btain copies from the	required pursuant to this ry to: (1) The surface own suant to section thirty-six, unty tax records. The notid rules related to oil and gnformation, including the	article. Such notice er of such tract; (2) article six, chapter t ce shall include a st as exploration and p	shall be pro to any own wenty-two atement that production is	er or lessee of coal seams of this code; and (3) any at copies of the state Erosion may be obtained from the
SURFAC	CE OWNER(s)		□ co/	L OWNER OR LE	SSEE	
				E OWNER OR BE		
Address:	Name:Address:					
Name:			- I	TO IT OND TODAY		
			_ III MIN	ERAL OWNER(s)		
Name:			Name: M	arlene Fay Wagmiller 6624 Rene Drive NE		
Address:			Address: Louisville, O			
			*please atta	ch additional forms if ne	cessary	
Notice is he Pursuant to W a plat survey State: County:		de § 22-6A-10(a), no and as follows:	Approx. Lati	tude & Longitude:		
District:	Liberty				Fish Creek/U	pper Fish Creek
Quadrangle:	Littleton			ed farm name:	Shawn Harlar	
may be obtain Charleston, W obtained from	reby given by:	retary, at the WV Do 926-0450). Copies of y visiting <u>www.dep.</u>		al Protection headquitional information re	uarters, loca elated to ho	exploration and production ated at 601 57th Street, SE, prizontal drilling may be
Telephone:	304-884-1610	- LEMINGT ON LEAST		Morgantown, WV 26508		
Email:	brittany_woody@s	swn.com	Facsimile:	304-884-1690		SEP 1 8 2019
The Office of	Privacy Notic	ce: cesses your persona	I information, such as nam	e, address and telep	ohone numb	WV Department of nvironmental Protection per, as part of our regulatory

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.

Notice Ti entry Date of N			: Notice shall be prov	nned Entry: 5/1		—		, , , , , , , , , , , , , , , , , , ,
			t to West Virginia C	ode § 22-6A-10)a			
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on to the but no mo beneath s owner of and Sedin	surface ore than such trac mineral ment Co	forty-five forty-five that has s underly ontrol Man	e days prior to such en filed a declaration pu	itry to: (1) The s rsuant to section ounty tax record and rules related information, in	surface owner on thirty-six, arti	of such tract; (2) to cle six, chapter two shall include a star	o any owner of venty-two of the tement that co	his code; and (3) any pies of the state Erosion be obtained from the
Notice is	hereby	provide	d to:					
☐ SUF	FACE	OWNER	(s)		☐ COAL	OWNER OR LE	SSEE	
					Name:			
Address:				_	Name:			
Name:				_	E MINE	RAL OWNER(s)		
	:			_	Name: Stepi			
				-	Name: Steph	435 W. Hayward Place		
					Denver, CO 802			
Address	·			_	*please attach	additional forms if ne	cessary	
Pursuan a plat su State:	t to Wes irvey on v	the tract Vest Virginia	a Code § 22-6A-10(a). of land as follows:			ide & Longitude:	39.733900, -60.6 Greenfield Road	
County:					Watershed:		Fish Creek/Uppe	er Fish Creek
District: Quadrar	-	ittleton			Generally used	d farm name:	Shawn Harlan	
may be	obtaine	d from the	on and Sediment Cont e Secretary, at the WV (304-926-0450). Copi ary by visiting www.d	ies of such docu	ments or additi	ional information	oil and gas exp quarters, locate related to hori	oloration and production ed at 601 57 th Street, SE, zontal drilling may be
Notice	is here	by give	ı by:					Office of Oil and Gas
	perator:		DUCTION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr		1000 - 1000 - 1000
Telepho		304-884-1	610		-	Morgantown, WV 2650	08	SEP 1 8 2019
Email:		brittany_w	oody@swn,com		Facsimile:	304-884-1690		
duties.	Your p	ersonal ir	normation may be un	Schoold to othe	to including	Freedom of Info	rmation Act	er, as part of our regulaterion of course of business or as requests. Our office will information, please contact

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Dalinami mat							
Denvery men	thod pursuant to West V	'irginia Code § 22-6A	-10a				
☐ PERSO	NAL E REGIST	ERED	THOD OF DE	LIVERY THAT R	EQUIRES A		
SERVIC	CE MAIL			NATURE CONFI			
on to the surfi but no more t beneath such owner of min- and Sediment Secretary, wh	Vest Virginia Code § 22-6 ace tract to conduct any p han forty-five days prior t tract that has filed a decla erals underlying such tract Control Manual and the sich statement shall include face owner to obtain copi	lat surveys required put to such entry to: (1) The tration pursuant to section in the county tax reconstantes and rules related te contact information,	rsuant to this a e surface owner ion thirty-six, a ords. The noticed to oil and ga	urticle. Such notice or of such tract; (2) article six, chapter to be shall include a start as exploration and p	shall be provie to any owner twenty-two of atement that coroduction may	ded at least sor lessee of this code; as opies of the y be obtained	seven days coal seams nd (3) any state Erosion d from the
Notice is here	eby provided to:						
☐ SURFAC	CE OWNER(s)		□ coa	L OWNER OR LE	ESSEE		
	ame:ddress:			Name:			
Address:			Address:				
Name:			1			-	
Address:				ERAL OWNER(s)			
Nama				ni Jo Mason Living Trust			
Address			1 20 30 30 30 30 30 30	PO Box 18314			
			*please attac	h additional forms if ne	cessary		
Notice is her Pursuant to W a plat survey of State: County:	est Virginia Code § 22-62 on the tract of land as follo	A-10(a), notice is herebows:		ude & Longitude:	operator is pl		y to conduct
District:	Liberty		Watershed:		Fish Creek/Upper	Fish Creek	
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan		
Quadrangle:			the statutes as	d rules related to o	il and oas eval	omion and	production
Copies of the s may be obtained Charleston, Wobtained from	state Erosion and Sedimer ed from the Secretary, at t V 25304 (304-926-0450) the Secretary by visiting	the WV Department of). Copies of such docur	Environmenta ments or addit	l Protection headquional information re	uarters, located	l at 601 57 th ontal drilling REC	Street, SE, g may be
Copies of the s nay be obtained Charleston, W obtained from	ed from the Secretary, at to V 25304 (304-926-0450) the Secretary by visiting the Secretary by visiting the Secretary by:	the WV Department of). Copies of such document www.dep.wv.gov/oil-a	Environmenta ments or addit nd-gas/pages/o	ll Protection headquional information re default.aspx.	uarters, located elated to horize	l at 601 57 th ontal drilling REC	Street, SE, g may be
Copies of the s nay be obtained Charleston, W obtained from	ed from the Secretary, at t V 25304 (304-926-0450) the Secretary by visiting	the WV Department of). Copies of such document www.dep.wv.gov/oil-a	Environmenta ments or addit	l Protection headquional information re	uarters, located elated to horize Suite 201	l at 601 57 th ontal drilling REC Office of 6	Street, SE, g may be

	Notice: 5/7/2019	Date of Plan	nned Entry: 5/14/2019					
Deliver	y method purs	suant to West Virginia C	ode § 22-6A-10a					
	ERSONAL	■ REGISTERED	☐ METHOD OF DELIVERY T		A			
SE	RVICE	MAIL	RECEIPT OR SIGNATURE O	CONFIRMATION				
on to the but no m beneath owner of and Sedi Secretar	e surface tract to nore than forty- such tract that f minerals und- iment Control by, which staten	to conduct any plat survey; five days prior to such enth has filed a declaration pur erlying such tract in the co Manual and the statutes an	Prior to filing a permit application, the serequired pursuant to this article. Such try to: (1) The surface owner of such tresuant to section thirty-six, article six, county tax records. The notice shall include rules related to oil and gas exploration information, including the address for an esecretary.	notice shall be pro act; (2) to any own chapter twenty-two ude a statement that on and production i	ovided at least seven days ner or lessee of coal seams of this code; and (3) any at copies of the state Erosion may be obtained from the			
Notice is	s hereby prov	ided to:						
□ sui	RFACE OWN	ER(s)	☐ COAL OWNER	OR LESSEE				
Name:			Name:					
Address			Address:					
Name:			-					
Address			MINERAL OW	MINERAL OWNER(s)				
			Name: Karen Cubbage					
Name:			Address: 361 Lin Mar Te	Address: 361 Lin Mar Terrace				
Address:	• ——		Alquippa, PA 15001	Alquippa, PA 15001 *please attach additional forms if necessary				
Pursuant a plat sui State:	rvey on the trac West Virgin	nia Code § 22-6A-10(a), n ct of land as follows:	Approx. Latitude & Long Public Road Access:		30.623393			
county:					pper Fish Creek			
County: District:	gle: Littleton		Generally used farm nam	ne: Shawn Harlar				
District:								
District: Quadran Copies o may be o Charlesto obtained	of the state Eros obtained from ton, WV 25304 from the Secretis hereby give	the Secretary, at the WV D (304-926-0450). Copies etary by visiting <u>www.dep</u> en by:	Manual and the statutes and rules related a partment of Environmental Protection of such documents or additional information of such documents or additional informationwv.gov/oil-and-gas/pages/default.aspx	n headquarters, loc nation related to he	ated at 601 57th Street, SE,			
District: Quadran Copies of may be of Charlesto obtained Notice in	of the state Eros obtained from to on, WV 25304 from the Secretis hereby give erator: SWN PR	the Secretary, at the WV D (304-926-0450). Copies etary by visiting <u>www.dep</u> en by: RODUCTION COMPANY, LLC	Department of Environmental Protection of such documents or additional informations.wv.gov/oil-and-gas/pages/default.aspx Address: 1300 Fort Pie	n headquarters, loc nation related to ho c.	ated at 601 57 th Street, SE, prizontal drilling may be			
District: Quadran Copies o may be o Charlesto obtained	of the state Eros obtained from to on, WV 25304 from the Secre is hereby give erator: SWN PF ne: 304-884	the Secretary, at the WV D (304-926-0450). Copies etary by visiting <u>www.dep</u> en by: RODUCTION COMPANY, LLC	Department of Environmental Protection of such documents or additional informations of such documents or additional informations of such documents or additional information of such department of the such de	n headquarters, loc nation related to ho c. erpont, Dr., Suite 201 ww 26508	ated at 601 57 th Street, SE, orizontal drilling may be			

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.

Notice Time I	Requirement:	Notice shall be prov	ided at least SEVEN (7) da	ays but no more that	n FORTY-FIV	E (45) days prior to		
Date of Notice	e: 5/7/2019	Date of Plan	nned Entry: 5/14/2019					
Delivery meth	od pursuant	to West Virginia Co	ode § 22-6A-10a					
☐ PERSON	IAL I	REGISTERED	☐ METHOD OF DE	LIVERY THAT RE	EOUIRES A			
SERVICE		MAIL	RECEIPT OR SIG					
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Notice is herei);	2500					
☐ SURFAC	E OWNER(s)		☐ COA					
Name:			Name:	Name:				
Address:			Address:					
Name:			■ MIN	ERAL OWNER(s)				
				bert W. Cubbage				
Name:			Address	804 Fawn Valley Dr.				
Address:			Allen, TX 750					
			*please attac	h additional forms if nee	cessary			
a plat survey or State: County: District:	est Virginia Co n the tract of la West Virginia Marshall Liberty	nd as follows:	Public Road A Watershed:	ude & Longitude: Access:	39.733900, -80.623 Greenfield Road Fish Creek/Upper F	393		
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan			
may be obtaine Charleston, WY	d from the Sec V 25304 (304- the Secretary b	retary, at the WV D 926-0450). Copies y visiting <u>www.dep.</u>	Manual and the statutes an epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/o	l Protection headquional information re	arters, located	at 601 57 th Street, SE, ntal drilling may be		
Well Operator:		ON COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,	Suite 201	RECEIVED		
Telephone:	304-884-1610	OH OOM PHILLEO	riddiess.	Morgantown, WV 26508		Office of Oil and Gas		
Email:	brittany_woody@:	swn.com	Facsimile:	304-884-1690		010 0 0 000		
Oil and Gas l	Privacy Notic	ce:				SEP 1 8 2019 WV Department of		

entry Date of Notice	e: 5/7/2019	Date of Planne	ed Entry: 5/14/2019			
Delivery meth	nod pursuant	to West Virginia Code	e § 22-6A-10a			
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SERVICE	17 640	MAIL	RECEIPT OR SIGN			
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, white enable the surfa	ce tract to cond an forty-five d ract that has fil- rals underlying Control Manua ch statement sl face owner to co	duct any plat surveys re lays prior to such entry led a declaration pursua g such tract in the count al and the statutes and r hall include contact info btain copies from the s	or to filing a permit appliced pursuant to this are to: (1) The surface owner and to section thirty-six, are ty tax records. The notice rules related to oil and gas formation, including the assecretary.	ticle. Such notice s r of such tract; (2) to rticle six, chapter to e shall include a sta s exploration and pr	hall be provided at le o any owner or lesse wenty-two of this coo tement that copies of roduction may be obt	east seven days e of coal seams de; and (3) any f the state Erosion tained from the
	by provided t		□ (04)	L OWNER OR LES	CCEE	
	E OWNER(s)			Name:		
Address:	L		Address:			
			-			
Address:				ERAL OWNER(s)		
			Name: Cliff	ford Cubbage 351 Chaparral Rd, Apt. 110		
					05	-
Address:			Allen, TX 7502 *please attac	h additional forms if neo	cessary	•
Notice is her Pursuant to W a plat survey of State: County:	est Virginia Co on the tract of I West Virginia	ode § 22-6A-10(a), noti and as follows:	Public Road A	ude & Longitude:	operator is planning 39.733900, -80.623393 Greenfield Road	entry to conduct
A STATE OF THE STA			Watershed:		Fish Creek/Upper Fish Cre	ek
	Littleton		Generally use	d farm name:	Shawn Harlan	
may be obtain	ed from the Se V 25304 (304	cretary, at the WV Dep -926-0450). Copies of by visiting <u>www.dep.w</u>	fanual and the statutes an partment of Environmenta such documents or addit v.gov/oil-and-gas/pages/o	Il Protection headquional information re default.aspx.	uarters, located at 60 elated to horizontal d	1 57 th Street, SE,
Notice is her Well Operator	eby given by	TION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,		
obtained from Notice is her			Address: Facsimile:	1300 Fort Pierpont, Dr., Morgantown, WV 26508 304-884-1690		Office of On a

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

Notice Timentry	e Requirer	nent:	Notice shall be prov	ided at	least SEVEN (7) day	s but no more than	FORTY-FIVE (4	(5) days prior to
	tice: 5/7/2019		Date of Pla	nned E	ntry: 5/14/2019	_		
Delivery m	ethod purs	uant 1	to West Virginia C	ode § 2	2-6A-10a			
☐ PERS	ONAL		REGISTERED		METHOD OF DELI	VERY THAT RE	QUIRES A	
SERV			MAIL		RECEIPT OR SIGN			
on to the subut no more beneath successive of mand Sedime Secretary, venable the s	rface tract to than forty- th tract that inerals under the Control which stater surface own	five d has fil erlying Manua nent s er to c	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes at hall include contact obtain copies from the part of the survey of the bottom of the survey of the lays of lays of	s requir try to: (rsuant to ounty ta ind rules informa	filing a permit applicated pursuant to this art art 1) The surface owner to section thirty-six, are are records. The notice related to oil and gas ation, including the adstary.	of such notice s of such tract; (2) to ticle six, chapter to shall include a sta exploration and pr	nall be provided at any owner or les wenty-two of this of tement that copies roduction may be of	see of coal seams ode; and (3) any of the state Erosion obtained from the
	ereby prov				П сол	OHRED OR LE	CCCC	
	ACE OWN					OWNER OR LES		
					Name:	Name:Address:		
Address: _					Address.			
Name:						DIT ONDEDIA		
Address: _						RAL OWNER(s)		
					Name: Che	snut Holdings, Inc.		-
					Address: Fairmont, WV			=
Address				_		additional forms if nec	cessary	_
Pursuant to a plat surve State: County: District:	West Virgi West Virgi West Virgi Marshall Liberty	inia Coct of I	ode § 22-6A-10(a), land as follows:	notice i	Approx. Latite Public Road A Watershed: Generally use	ide & Longitude:	operator is planni 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish of Shawn Harlan	
Quadrangie			and Sediment Contro	ol Manu	al and the statutes and	d rules related to oi	il and gas explorat	ion and production
Copies of t may be obt Charleston obtained fr	ained from , WV 2530 om the Secondereby given	the Set 4 (304 retary	ecretary, at the WV 4-926-0450). Copie by visiting <u>www.de</u> y:	Departn s of suc	nent of Environmenta h documents or additi ov/oil-and-gas/pages/d	l Protection headquonal information r lefault.aspx.	uarters, located at delated to horizonta	I drilling may be VED
Copies of t may be obt Charleston obtained fr Notice is Well Opera	ained from , WV 2530 om the Second hereby give ator: SWNF	the Set 4 (304 retary	ecretary, at the WV 4-926-0450). Copie by visiting <u>www.de</u>	Departn s of suc	nent of Environmenta h documents or additi	l Protection headque onal information refault.aspx.	uarters, located at delated to horizonta	I drilling may be VED THE OF OH and Gas
Copies of t may be obt Charleston obtained fr	nained from , WV 2530 om the Secondary given ator: SWN F 304-88	the Set 4 (304 retary ven by RODUC 4-1610	ecretary, at the WV 4-926-0450). Copie by visiting <u>www.de</u> y:	Departn s of suc	nent of Environmenta h documents or additi ov/oil-and-gas/pages/d	l Protection headquonal information r lefault.aspx.	uarters, located at delated to horizonta	I drilling may be VED

Notice Time	e Requirement:	Notice shall be prov	vided at least SEVEN (7) d	ays but no more th	an FORTY-FIVE	(45) days prior to
Date of Not	ice: 5/7/2019	Date of Plan	nned Entry: 5/14/2019			
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAI.	REGISTERED	☐ METHOD OF DE	I IVEDV TUAT D	EQUIDES A	
SERVI		MAIL	RECEIPT OR SIG			
on to the sur- but no more beneath such owner of mir and Sedimen Secretary, wh	face tract to cond than forty-five d tract that has fil herals underlying t Control Manua hich statement sl	duct any plat surveys lays prior to such ent led a declaration pur g such tract in the co al and the statutes an	Prior to filing a permit apples required pursuant to this a cry to: (1) The surface ownsuant to section thirty-six, unty tax records. The notion of the related to oil and gainformation, including the electric secretary.	urticle. Such notice er of such tract; (2) article six, chapter ce shall include a s as exploration and	shall be provided a to any owner or les twenty-two of this o tatement that copies production may be o	t least seven days see of coal seams code; and (3) any of the state Erosion
Notice is her	eby provided to	0:				
☐ SURFAC	CE OWNER(s)		Псод	L OWNER OR LE	FSSFF	
					30000	
Address:			Address:			_
Name:				for the second		
Address:			LEI MIN	ERAL OWNER(s)		
Name:			Name: De	borah A. Collins		-
Address:			Address:	1219 McDonald St.		
-				hadditional forms if ne	acaeean/	-
Pursuant to W	West Virginia Marshall Liberty	de § 22-6A-10(a), no nd as follows:	Public Road A Watershed:	ude & Longitude:	l operator is plannin 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Co	
may be obtain Charleston, W obtained from	V 25304 (304-) the Secretary by	retary, at the WV De 926-0450). Copies of y visiting <u>www.dep.</u>	Manual and the statutes an epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/o	I Protection headque ional information r	parters located at 60	11 57th Street SE
Votice is her Well Operator	reby given by:		14.44			Q. 300 3.00
Celephone:		ON COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,		বার্টার আর. Office of Oil and Ga
Email:	304-884-1610	tion at in	Faccinilar	Morgantown, WV 26508		Office of Off and Ga
	brittany_woody@s	WILCOIT	Facsimile:	304-884-1690		050 2 0 05:-
	Privacy Notic		information such as name		1	SEP 1 8 2019

duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business of agotection 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.

	provided at least DE v Erv (1) days out no more to	han FORTY-FIVE (45) days prior to	
: 5/7/2019 Date (f Planned Entry: 5/14/2019		
od pursuant to West Virgi	nia Code § 22-6A-10a		
AL E REGISTERE	D METHOD OF DELIVERY THAT I	REQUIRES A	
MAIL	RECEIPT OR SIGNATURE CONF	IRMATION	
te tract to conduct any plat so an forty-five days prior to su act that has filed a declarationals als underlying such tract in Control Manual and the statuch that statement shall include co ace owner to obtain copies for	reveys required pursuant to this article. Such notice the entry to: (1) The surface owner of such tract; (2) in pursuant to section thirty-six, article six, chapter the county tax records. The notice shall include a tes and rules related to oil and gas exploration and tract information, including the address for a web	e shall be provided at least seven days 2) to any owner or lessee of coal seams 1 twenty-two of this code; and (3) any 1 statement that copies of the state Erosion 2 production may be obtained from the	
y provided to:			
E OWNER(s)			
	Name:		
	Address:		
	■ MINERAL OWNER(s	s)	
	Name: Carolyn Ramirez		
	Address 253 Muirifield Dr		
	San Jose, CAI95115 *nlease attach additional forms if	necessary	
st Virginia Code § 22-6A-16 a the tract of land as follows West Virginia	Approx. Latitude & Longitude		
Liberty		Fish Creek/Upper Fish Creek	
	Generally used farm name:	Shawn Harlan	
ittleton	Generally used farm hame.	Snawn Harian	
rate Erosion and Sediment C d from the Secretary, at the 25304 (304-926-0450). C he Secretary by visiting www. bby given by: SWN PRODUCTION COMPANY, LL	ontrol Manual and the statutes and rules related to WV Department of Environmental Protection head opies of such documents or additional information w.dep.wv.gov/oil-and-gas/pages/default.aspx. Address: 1300 Fort Pierpont, D	oil and gas exploration and production quarters, located at 601 57 th Street, SE, a related to horizontal drilling may be RECEIVED Office of Oil and Gas	
rate Erosion and Sediment C d from the Secretary, at the 25304 (304-926-0450). C he Secretary by visiting www.	ontrol Manual and the statutes and rules related to WV Department of Environmental Protection head opies of such documents or additional information v.dep.wv.gov/oil-and-gas/pages/default.aspx.	oil and gas exploration and production quarters, located at 601 57 th Street, SE, a related to horizontal drilling may be RECEIVED Office of Oil and Gas	
	al REGISTERE MAIL est Virginia Code § 22-6A-10 the tract to conduct any plat su an forty-five days prior to sue act that has filed a declaratio rals underlying such tract in t Control Manual and the status the statement shall include con ace owner to obtain copies from the yprovided to: E OWNER(s) Eby given: st Virginia Code § 22-6A-10 the tract of land as follows: West Virginia Marshall	AL REGISTERED METHOD OF DELIVERY THAT IN RECEIPT OR SIGNATURE CONFIDENT OF SIGNATURE CONFID	

Notice Time	Requirement:	Notice shall be prov	rided at	least SEVEN (7) da	ys but no more tha	in FORTY-FIVE	(45) days prior to
	ice: 5/7/2019	Date of Plan	nned E	ntry: 5/14/2019			
Delivery me	thod pursuant	to West Virginia C	ode § 2	2-6A-10a			
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on to the sur- but no more beneath such owner of mir and Sedimen Secretary, wh	face tract to conthan forty-five de tract that has finerals underlying t Control Manualich statement si	duct any plat surveys ays prior to such ent led a declaration pur	s require try to: (suant to unty tax d rules informa	ed pursuant to this a 1) The surface owne section thirty-six, a c records. The notic related to oil and ga tion, including the a	rticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall be provided to any owner or le wenty-two of this atement that copie production may be	essee of coal seams code; and (3) any es of the state Erosion obtained from the
Notice is her	eby provided t	0:					
☐ SURFA	CE OWNER(s)			☐ COA	L OWNER OR LE	SSEE	
Name:							
Address:				Address:			=
Name:				-			_
Address:				1	ERAL OWNER(s)		
					ard E. Burge, Sara L. Burge, Stephen	W Burge, Trustees of Onward E. B	urge
Name:			-		Rd #3, Box 33		_
Address:			-	*please attac	26033 h additional forms if ne	cessary	_
Pursuant to V a plat survey State: County: District:	on the tract of la West Virginia Marshall Liberty	and as follows:		Approx. Latit Public Road A Watershed:	ude & Longitude: Access:	39,733900, -80,623393 Greenfield Road Fish Creek/Upper Fish	
Quadrangle:	Littleton		-	_ Generally use	d farm name:	Shawn Harlan	
may be obtain Charleston, V obtained from Notice is he Well Operato	reby given by r: SWN PRODUCT	nd Sediment Control cretary, at the WV D 1926-0450). Copies by visiting www.dep.	epartme of such	ent of Environmenta documents or additi	I Protection headque on al information relegant aspx.	uarters, located at elated to horizonta Suite 201	601 57 th Street, SE, al drilling may be
Telephone:	304-884-1610			Post Control	Morgantown, WV 26508	1	Office of Oil and Gas
Email:	brittany_woody@	swn.com		Facsimile:	304-884-1690		
Oil and Gas	Privacy Noti	ce:					SEP 1 8 2019

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of bur angularity of duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or disclosed to other State agencies or third parties in the normal course of business of the course of the course of business of the course 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.

entry	ce: 5/7/2019		nned Entry: 5/14/2019	ays out no more ma		, 2 (10) says prior is
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSO		REGISTERED MAIL	☐ METHOD OF DE RECEIPT OR SIG	LIVERY THAT RE		
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Notice is her	eby provided t	0:				
☐ SURFAC	CE OWNER(s)		□ co/	L OWNER OR LE	SSEE	
Name:			Name:			
Address:			Address:			
Name:			_ \			
Address:			_ III MIN	ERAL OWNER(s)		
			Name: O	arla J. Watkins aka Carla Da	ivis, f/k/a Carla Carsv	vell
Name:			Address:	370 Manor Drive		
Address:				C 27295 ch additional forms if ne		
a plat survey State:	est Virginia Co on the tract of la West Virginia			tude & Longitude:	operator is pla	
County:	Marshall		***	Access:	Greenfield Road	
District:				18000000000	Fish Creek/Upper I	Fish Greek
Quadrangle:	Littleton		Generally us	ed farm name:	Shawn Harlan	
may be obtain Charleston, Wobtained from	red from the Sec V 25304 (304- the Secretary b	cretary, at the WV D 1926-0450). Copies by visiting <u>www.dep</u>	Manual and the statutes as repartment of Environment of such documents or addi wv.gov/oil-and-gas/pages.	al Protection headqu tional information re	uarters, located	at 601 57th Street, SE,
Well Operator	reby given by		A dalaassa	Manual Control	in the same	RECEIVED
Vell Operato: Felephone:	304-884-1610	ION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,		Office of Oil and Gas
Email:	brittany_woody@	swn.com	Facsimile:	Morgantown, WV 26508 304-884-1690		
Z-CHORTI.			T dobinino.	201 001 1000		SEP 1 8 2019
Oil and Gas	Privacy Noti	ce:				WV Department of

		nned Entry: 5/14/2019					
elivery met	nod pursuant to West Virginia C	ode § 22-6A-10a					
PERSON	NAL REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	EQUIRES A			
SERVIC	E MAIL	RECEIPT OR SIGN	NATURE CONFIR	RMATION			
on to the surfa- but no more the eneath such to where of mine and Sediment fecretary, which hable the surfa-	est Virginia Code § 22-6A-10(a), I ce tract to conduct any plat survey tan forty-five days prior to such en ract that has filed a declaration purerals underlying such tract in the control Manual and the statutes are ch statement shall include contact face owner to obtain copies from the	is required pursuant to this are stry to: (1) The surface owner resuant to section thirty-six, as ounty tax records. The notice and rules related to oil and gas information, including the ac-	ticle. Such notice s r of such tract; (2) tricle six, chapter to e shall include a state e exploration and p	shall be provided to any owner or wenty-two of thi atement that cop production may b	I at least seven days lessee of coal seams s code; and (3) any ies of the state Erosion e obtained from the		
otice is here	by provided to:						
☐ SURFAC	E OWNER(s)	☐ COA	LOWNER OR LE	SSEE			
Jame:		Name:	Name:				
.ddress:		Address:	Address:				
lame:		-			-		
ddress:		■ MINE	ERAL OWNER(s)				
		_ Name: Wan	cy Jo Block				
lame:		Address:	775 Spencer Lake Road				
ddress:		Medina, OH 44					
		*please attac	hadditional forms if ne	cessary			
	eby given: est Virginia Code § 22-6A-10(a), r n the tract of land as follows: West Virginia	Access Carle	e undersigned well	l operator is plan			
ounty:	Marshall	Public Road A	ccess:	Greenfield Road			
istrict:	Liberty	Watershed:		Fish Creek/Upper Fis	sh Creek		
uadrangle:	Littleton	Generally use	d farm name:	Shawn Harlan			
ay be obtained	state Erosion and Sediment Controlled from the Secretary, at the WV IV 25304 (304-926-0450). Copies the Secretary by visiting						

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.

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

Notice Time	Requirement:	Notice shall be prov	vided at least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to		
Date of Notic	ce: 5/7/2019	Date of Pla	nned Entry: 5/14/2019					
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a					
☐ PERSO	NAT I	REGISTERED	☐ METHOD OF DE	IVERY THAT RE	EOUIRES A			
SERVIC		MAIL	RECEIPT OR SIG					
						T. 642-05 - Walter		
on to the surfibut no more to be neath such owner of min and Sediment Secretary, who	ace tract to con- han forty-five of tract that has fi erals underlying Control Manu- ich statement s	duct any plat survey days prior to such en led a declaration put g such tract in the co al and the statutes ar	Prior to filing a permit appli s required pursuant to this a try to: (1) The surface ownersuant to section thirty-six, a punty tax records. The notion and rules related to oil and gate information, including the a me secretary.	rticle. Such notice or of such tract; (2) article six, chapter the shall include a state s exploration and p	shall be provided at to any owner or les wenty-two of this c atement that copies roduction may be c	least seven days see of coal seams ode; and (3) any of the state Erosion btained from the		
Notice is her	eby provided t	to:						
☐ SURFAC	CE OWNER(s)		☐ COA	L OWNER OR LE	SSEE			
			Name:					
Address:			Address:	Address:				
Name:			- E . m.	CD 11 OWD ICD ()				
Address:				ERAL OWNER(s)		a a		
Jama.			Names Jer	nifer L. Rodriquez, aka Jennif	er Briere, f/k/a Jennifer Carswe	HI		
Address:			_ Address: Wilmington, N	217 S. 17th St C 28401		-		
			*please attac	h additional forms if ne	cessary	-		
Pursuant to Was plat survey of State:		ode § 22-6A-10(a), r and as follows:		ude & Longitude:	39.733900, -80.623393	ng entry to conduct		
County:	Marshall		Public Road	Access:	Greenfield Road			
District:			Watershed:	10	Fish Creek/Upper Fish C	reek		
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan			
nay be obtain Charleston, Wobtained from	ned from the Se V 25304 (304 the Secretary l reby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u>	l Manual and the statutes an Department of Environments of such documents or addit o.wv.gov/oil-and-gas/pages/	al Protection headquional information r	uarters, located at 6 elated to horizontal Suite 201	01 57 th Street, SE, drilling may be		
Email:	brittany_woody@	swn.com	Facsimile:	304-884-1690		Office of Oil and Gas		
The Office of		ocesses your person	al information, such as nam					

needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will on 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.

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

Date of Not	ice: 5/7/2019	Date of Pla	nned Entry: 5/14/201	9	_		
Delivery me	ethod pursua	nt to West Virginia C	ode § 22-6A-10a				
☐ PERSO	ONAL	REGISTERED	☐ METHOD	OF DEL	IVERY THAT RE	QUIRES A	
SERVI		MAIL			NATURE CONFIR	All the second s	
on to the sur but no more beneath such owner of mi and Sedimer Secretary, we enable the su	face tract to of than forty-fiven tract that hat nerals underly at Control Ma high statement arface owner	conduct any plat survey ye days prior to such en s filed a declaration pur ying such tract in the co anual and the statutes ar at shall include contact to obtain copies from the	s required pursuant try to: (1) The surfa suant to section thin ounty tax records. T ad rules related to oi information, includi	to this ar ce owner ty-six, ar he notice I and gas	ticle. Such notice s r of such tract; (2) t rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of shall be provided at leas to any owner or lessee o wenty-two of this code; atement that copies of the roduction may be obtain age on the Secretary's w	t seven days f coal seams and (3) any the state Erosion and from the
Notice is he	reby provide	ed to:					
☐ SURFA	CE OWNER	(s)		COAL	LOWNER OR LE	SSEE	
			N	Name:			
Address:			_ A	ddress:			
Name:							
Address: _			L		ERAL OWNER(s)		
NT.			_ N	ame: Joyo	ce L. Lamb		
Name:			_ A	ddress:	4 Foxboro Circle		
Audress					h additional forms if ne	cessary	
Pursuant to 1 a plat survey State: County:	on the tract West Virginia Marshall	Code § 22-6A-10(a), r of land as follows:	Appro Publi	ox. Latite c Road A	ude & Longitude:	operator is planning en 39.733900, -80.623393 Greenfield Road	try to conduct
District:				rshed:		Fish Creek/Upper Fish Creek	
Quadrangle:	Littleton		Gene	rally use	d farm name:	Shawn Harlan	-
may be obtain Charleston,	ined from the WV 25304 (3	Secretary, at the WV I	Department of Envir- of such documents	onmenta or additi	l Protection headquoinal information re	il and gas exploration an uarters, located at 601 5' elated to horizontal drill	7th Street, SE,
	ereby given	by:					
Well Operate	Or: SWN PROD	DUCTION COMPANY, LLC	Ad	dress:	1300 Fort Pierpont, Dr.,	Suite 201	RECEIVED
	304-884-16	10			Morgantown, WV 26508		COLIVED
Felephone: Email:	44.104.114			simile:			Office of Oll and Ga

Notice Time entry Date of Notice			rided at least SEVEN (7) da nned Entry: 5/14/2019	ys but no more tha	n FORTY-FIVE (43) days prior to	
Delivery me	thod pursuan	t to West Virginia C	ode § 22-6A-10a				
□ PERSO SERVIC		REGISTERED MAIL	METHOD OF DE				
on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the sur	ace tract to co han forty-five tract that has erals underlyin t Control Man- nich statement rface owner to	nduct any plat surveys days prior to such enfiled a declaration puring such tract in the coual and the statutes an shall include contact obtain copies from the	Prior to filing a permit applis required pursuant to this a try to: (1) The surface ownersuant to section thirty-six, a punty tax records. The notice of rules related to oil and gain formation, including the age secretary.	rticle. Such notice : r of such tract; (2) rticle six, chapter t e shall include a st s exploration and p	shall be provided at I to any owner or lesse twenty-two of this co- atement that copies operation may be ob-	east seven days te of coal seams de; and (3) any f the state Erosion tained from the	
	eby provided						
	CE OWNER(s			L OWNER OR LE			
Name:			Name:	Name:			
Address:			_ Address:				
Name:				7.50.55.50			
Address:				ERAL OWNER(s)			
			Name: Ell	en G. Kirkbride			
Name:			_ Address:	PQ Box 80135			
Address:			Canton, OH 4	4708 h additional forms if ne			
Pursuant to War plat survey	on the tract of	Code § 22-6A-10(a), n land as follows:	notice is hereby given that the	e undersigned wel	2	entry to conduct	
State: County:	West Virginia Marshall		Dublic Dood		Greenfield Road		
District:	Liberty		Watershed:	100033.	Fish Creek/Upper Fish Cre	ek	
Quadrangle:	Littleton			d farm name:	Shawn Harlan		
may be obtain Charleston, Wobtained from Notice is he Well Operato	ned from the S VV 25304 (30 the Secretary reby given b	ecretary, at the WV D 4-926-0450). Copies by visiting <u>www.dep</u>	Manual and the statutes are Department of Environments of such documents or additwv.gov/oil-and-gas/pages/	ll Protection headquional information r	uarters, located at 60 elated to horizontal d	1 57th Street, SE,	
Telephone:	304-884-1610			Morgantown, WV 26508	3		
Email:	brittany_woody	@swn.com	Facsimile:	304-884-1690		SEP 1 8 2019	
Oil and Gas	Privacy No	tice:				WV Department of	

entry	And the second	10.00	vided at least SEVEN (7) day	5 041 110 11101 5 11111		, and a process	
Date of Notic	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019				
Delivery met	thod pursuant t	to West Virginia C	ode § 22-6A-10a				
☐ PERSO	NAL	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	QUIRES A		
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Notice is her	eby provided to	0:					
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			Name:	Name:			
Address:		-	_ Address:			• •	
Name:				DAT OUDEDAY			
Address:			_	RAL OWNER(s)			
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Pursuant to V a plat survey	ereby given: Vest Virginia Co on the tract of la West Virginia	ode § 22-6A-10(a), r and as follows:	notice is hereby given that th Approx. Latit		operator is planning	gentry to conduct	
State:			Public Road A	Approx. Latitude & Longitude: Public Road Access:			
	Marshall		1 done noda 1				
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State: County: District: Quadrangle:						ek	
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		to West Virginia C			
					POLINDES 4
☐ PERSO	26.35	REGISTERED	☐ METHOD OF DE		
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Notice is her	reby provided to	o:			
☐ SURFA	CE OWNER(s)		☐ COA	L OWNER OR LE	SSEE
			Name:		
Address:			Address:		
Name:					
Address:			■ MIN	ERAL OWNER(s)	
			Name: Ste	phen W. Burge	
Name:			_ Address:	PO Box 2547	
Address:			Westerville, C	OH 43086 ch additional forms if ne	
Notice is he Pursuant to W	on the tract of la		notice is hereby given that th		l operator is planning entry to conduct
Notice is he Pursuant to W a plat survey State:	Vest Virginia Co on the tract of la West Virginia		notice is hereby given that the	tude & Longitude:	39.733900, -80.623393
Notice is he Pursuant to Was plat survey State: County:	Vest Virginia Co on the tract of la West Virginia Marshall	and as follows:	notice is hereby given that the Approx. Latit	tude & Longitude:	39.733900, -80.623393 Greenfield Road
Notice is he Pursuant to W a plat survey State: County: District:	Vest Virginia Co on the tract of la West Virginia Marshall	and as follows:	Approx. Lating Public Road Awatershed:	tude & Longitude: Access:	39.733900, -80.623393
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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. DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Not		Requirement:	Notice shall be prov	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE	(45) days prior to
		5/7/2019	Date of Plan	ned E	ntry: 5/14/2019			
Deli	very meth	od pursuant	to West Virginia Co	ode § 2:	2-6A-10a			
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Ema	il:	brittany_woody@	swn.com		Facsimile:	304-884-1690		5 0 0040
								SEP 1 8 2019
Oil	and Gas	Privacy Noti	ce:					MAY Denartment of

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory action 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.

Notice	Time l	Requirement:	Notice shall be prov	rided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE	(45) days prior to
	of Notice	e: 5/7/2019	Date of Plan	nned E	ntry: 5/14/2019			
Delive	ry meti	nod pursuant	to West Virginia C	ode § 2	2-6A-10a			
Пр	ERSON	JAT.	REGISTERED		METHOD OF DEI	IVERY THAT RE	EOUIRES A	
	ERVIC		MAIL		RECEIPT OR SIGN			
on to t but no beneat owner and Se Secreta	he surfa more the h such to of mine ediment ary, whi	ce tract to con- nan forty-five of ract that has fi- rals underlying Control Manua ch statement s	duct any plat survey: lays prior to such ent led a declaration pur g such tract in the co al and the statutes an	s required try to: (suant to unty ta d rules information	related to oil and ga ation, including the a	rticle. Such notice or of such tract; (2) or ticle six, chapter the shall include a stage of the same of the stage of the stage of the same of the sam	shall be provided to any owner or le wenty-two of this atement that copie production may be	at least seven days ssee of coal seams code; and (3) any s of the state Erosion obtained from the
Notice	is here	by provided t	0;					
	URFAC	E OWNER(s)			□ coa	L OWNER OR LE	ESSEE	
					Name:	9.30,3,20,20,50		
Addre	ss:			Ž ₀	Address:			
Name:								-
Addres	ss:				■ MINI	ERAL OWNER(s)		
					Name: Lau			
Name:				-		110 Breezy Knoll St.		_
Addres				7	Minneola, FL	34715 h additional forms if ne	cessarv	_
Pursua	e is her ant to W survey o y:	reby given: est Virginia Co on the tract of l West Virginia Marshall			Approx. Latit Public Road A Watershed:	ude & Longitude:	l operator is plann 39.733900, -80.62339: Greenfield Road Fish Creek/Upper Fish Shawn Harlan	
may be Charle obtaine	e obtaind eston, W ed from e is her Operator none:	ed from the Se V 25304 (304 the Secretary l reby given by	cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u> c:	epartn of suc	al and the statutes an nent of Environmenta h documents or addit v/oil-and-gas/pages/d Address: Facsimile:	ll Protection headq ional information r	uarters, located at related to horizont	601 57th Street, SE,
Dinaii.		Drittariy_woody@	gawii.com			004-004-1090		
Oil an	id Gas	Privacy Not	ice:	11.0			. Lawa usunikan wa	SEP 1 8 2019

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 of a properties 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.

entry		•	rided at least SEVEN (7) da	ys but no more thai	1 FORTY-FIVE (45) d	ays prior to
Date of	Notice: 5/7/20	Date of Plan	nned Entry: 5/14/2019			
Delivery	method pu	rsuant to West Virginia Co	ode § 22-6A-10a			
☐ PEI	RSONAL	■ REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	QUIRES A	
	RVICE	MAIL	RECEIPT OR SIGN			
on to the but no m beneath s owner of and Sedi Secretary enable th	surface tract ore than forty such tract that f minerals un- ment Control y, which state the surface ow	to conduct any plat surveys y-five days prior to such ent thas filed a declaration pur derlying such tract in the co Manual and the statutes an ement shall include contact ner to obtain copies from the	Prior to filing a permit applic s required pursuant to this as try to: (1) The surface owner suant to section thirty-six, a nunty tax records. The notice and rules related to oil and gas information, including the a le secretary.	rticle. Such notice s r of such tract; (2) t rticle six, chapter to e shall include a sta s exploration and p	shall be provided at leas to any owner or lessee of wenty-two of this code; atement that copies of the roduction may be obtain	t seven days of coal seams and (3) any he state Erosion hed from the
	hereby pro				1100	
	RFACE OWN			L OWNER OR LE		
Name: _			Name:			
Address:						
Name:				a company		
Address:			_ III MINI	ERAL OWNER(s)		
				idra Eileen Rush		
Name: _			_ Address:	6294 Gamble Road		
Address:	-		Lisbon, OH 44	432 h additional forms if ne	cessary	
Pursuant a plat sur	vey on the tr	ginia Code § 22-6A-10(a), n act of land as follows:	notice is hereby given that th			try to conduct
State:	West Virg			ude & Longitude:	39.733900, -80.623393 Greenfield Road	
County: District:	Marshall		Watershed:	iccess.	Fish Creek/Upper Fish Creek	
Quadran			Generally use	d farm name:	Shawn Harlan	
Copies of may be of Charlesto	f the state Erobtained from	the Secretary, at the WV D 04 (304-926-0450). Copies	Manual and the statutes an Department of Environmenta of such documents or additwv.gov/oil-and-gas/pages/c	l Protection headquional information re	uarters, located at 601 5	7th Street, SE,
Notice i	s hereby gi	ven by:				
Well Ope		PRODUCTION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,	Suite 201	RECEIVED
Telephon	ie: 304-88	34-1610		Morgantown, WV 26508		Office of Oil and Gas
Email:	brittany	/_woody@swn.com	Facsimile:	304-884-1690		
Oil and	Can Duivea	w Nation				SEP 1 8 2019

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 timent of duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business, or as i Protection 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.

WW-6A3 (1/12) Operator Well No. Shawn Harlan MSH

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

	Requirement:	Notice shall be prov	ided at	least SEVEN (7) day	ys but no more than	n FORTY-FIVE (45) days prior to
entry Date of Noti	ce: 5/7/2019	Date of Plan	ned E	atry: 5/14/2019	_	
Delivery me	thod pursuant	to West Virginia C	ode § 22	2-6A-10a		
☐ PERSO	NAT 🔳	REGISTERED		METHOD OF DEL	IVERY THAT RE	EQUIRES A
SERVIO	. 10.000	MAIL		RECEIPT OR SIGN		
on to the sur- but no more beneath such owner of mir and Sedimen Secretary, who	Tace tract to con- than forty-five of tract that has finerals underlying the Control Manu- tach statements	duct any plat survey: lays prior to such en led a declaration pur g such tract in the co al and the statutes ar	s require try to: (suant to unty tax d rules informa	ed pursuant to this ar 1) The surface owner section thirty-six, as c records. The notice related to oil and gas tion, including the ac	ticle. Such notice s r of such tract; (2) t rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to
Notice is her	eby provided t	0:				
☐ SURFA	CE OWNER(s)				LOWNER OR LE	
Name:				Name:		
Address:			-	Address:		
Name:			-0	E MONT	DAL ONDEDA	
Address:					ERAL OWNER(s)	
Name:					othy Jean Meier 214 Wellington Rd	
				Wilmington, Di		
		×	3		h additional forms if ne	ecessary
Pursuant to \	ereby given: Vest Virginia Co on the tract of l West Virginia	ode § 22-6A-10(a), 1 and as follows:	otice is		e undersigned wel	l operator is planning entry to conduct
County:	Marshall			Public Road A		Greenfield Road
District:	Liberty			Watershed:		Fish Creek/Upper Fish Creek
Quadrangle:	Littleton			Generally use	d farm name:	Shawn Harlan
may be obtain Charleston, Voltained from	ned from the Se WV 25304 (304 in the Secretary	cretary, at the WV I 4-926-0450). Copies by visiting <u>www.der</u>	of such	ent of Environmenta	I Protection headq ional information r	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Notice is he	ereby given by			Address:	1000 5-1 5	Culta 204
		TION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	, Suite 201
Well Operate					MARINE MALAREN	0
	304-884-1610 brittany_woody@			Facsimile:	Morgantown, WV 26508 304-884-1690	RECEIVED Office of Oil and Ga

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. Quipeoffice will appropriately secure your personal information. If you have any questions about our use or your personal information, please contaction DEP's Chief Privacy Officer at depprivacyofficer awv.gov.

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Protection

WW-6A3 (1/12)

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

	Requirement:	Notice shall be prov	vided at least SEVEN (7) da	ys but no more than	n FORTY-FIVE (45) days prior to	
entry	e: 5/7/2019	Date of Plan	nned Entry: 5/14/2019			
Date of Notic	e: 3///2015	Date of Fian	ined Entry.			
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DEI	IVERY THAT RE	EQUIRES A	
SERVIC		MAIL	RECEIPT OR SIGN	NATURE CONFIR	MATION	
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh enable the sur	ace tract to cond han forty-five of tract that has file erals underlying Control Manualich statement si	duct any plat survey: days prior to such en- led a declaration pur g such tract in the co- al and the statutes an- thall include contact obtain copies from the	s required pursuant to this as try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notion and rules related to oil and ga- information, including the a	rticle. Such notice s r of such tract; (2) r rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of planned entries shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Eros production may be obtained from the tage on the Secretary's web site, to	ion
	8, 3, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10		П сод	L OWNER OR LE	CCCC	
LI SURFAC	CE OWNER(s)	111				
Name:			Address:			
Address.						
Name:				Ever Table		
Address:			_ III MIN	ERAL OWNER(s)		
			Name: Eric			
				PO Box 165, Lot 5		
Address:				27923 h additional forms if ne		
	est Virginia Co	ode § 22-6A-10(a), r and as follows:		ne undersigned well	l operator is planning entry to condu	act
County:	G.F.CBC.		D.LU. David	A	Greenfield Road	
District:	Liberty		Watershed:	70.75	Fish Creek/Upper Fish Creek	
Quadrangle:			Generally use	d farm name:	Shawn Harlan	
may be obtain Charleston, V	ned from the Se VV 25304 (304	cretary, at the WV I 1-926-0450). Copies	Department of Environmenta	al Protection headquional information r	il and gas exploration and productio uarters, located at 601 57 th Street, SI elated to horizontal drilling may be	n E,
Notice is he	reby given by	y:				
Well Operato		TION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,	Suite 201	
Telephone:	304-884-1610			Morgantown, WV 26508	8	
Email:	brittany_woody@	@swn.com	Facsimile:	304-884-1690		or Oil and Ga
The Office of	Privacy Not Oil and Gas pr	rocesses your person	al information, such as nam	e, address and teleps or third parties i	phone number, as part of our regulat in the normal course of business or	SEP 1 8 2019

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.

WW-6A3 (1/12) Operator Well No. Shawn Harlan MSH

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

entry			n FORTY-FIVE (45) days prior to
Date of Notic	e: 5/7/2019 Date of Pla	nned Entry: 5/14/2019	
Delivery met	hod pursuant to West Virginia C	ode § 22-6A-10a	
☐ PERSO	NAL REGISTERED	☐ METHOD OF DELIVERY THAT RE	EQUIRES A
SERVIC		RECEIPT OR SIGNATURE CONFIR	
on to the surf but no more to beneath such owner of min and Sediment Secretary, when enable the sur	ace tract to conduct any plat survey han forty-five days prior to such en tract that has filed a declaration pur erals underlying such tract in the con Control Manual and the statutes ar ich statement shall include contact face owner to obtain copies from the face owner to see face owner to see face owner to see face face owner to see face f	Prior to filing a permit application, the operator is required pursuant to this article. Such notice try to: (1) The surface owner of such tract; (2) resuant to section thirty-six, article six, chapter to purty tax records. The notice shall include a stand rules related to oil and gas exploration and prinformation, including the address for a web pages as the secretary.	shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the
Notice is her	eby provided to:		
SURFAC	CE OWNER(s)	☐ COAL OWNER OR LE	SSEE
	ob o milanto)		
Address:		Address:	
Name:		- 1	
Address:		■ MINERAL OWNER(s)	
101310111111111111111111111111111111111			
Name:		Address: 5207 Hampton Rd	
Vame: Address:		Address: 5207 Hampton Rd	
Address: Notice is he Pursuant to W	reby given: /est Virginia Code § 22-6A-10(a), roon the tract of land as follows:	Address: 5207 Hampton Rd Clemmons, NC 27012 *please attach additional forms if ne	l operator is planning entry to conduct
Notice is he Pursuant to W plat survey state:	reby given: Vest Virginia Code § 22-6A-10(a), roon the tract of land as follows:	Address: 5207 Hampton Rd Clerumons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude:	l operator is planning entry to conduct
Notice is he Pursuant to W plat survey State: County:	reby given: Vest Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia	Address: 5207 Hampton Rd Clerrmons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access:	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road
Notice is he Pursuant to W a plat survey State: County: District:	reby given: Vest Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia Marshall Liberty	Address: 5207 Hampton Rd Clerrmons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed:	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek
Notice is he Pursuant to W a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, W	reby given: Vest Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV IV 25304 (304-926-0450). Copies	Address: 5207 Hampton Rd Clerrmons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access:	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan il and gas exploration and production uarters, located at 601 57 th Street, SE,
Notice is he Pursuant to Wa plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Wobtained from	reby given: //est Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV I/V 25304 (304-926-0450). Copies the Secretary by visiting www.deg	Address: 5207 Hampton Rd Clemmons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to o Department of Environmental Protection headq	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan il and gas exploration and production uarters, located at 601 57 th Street, SE,
Notice is he Pursuant to Wa plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Wobtained from	reby given: /est Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV I/V 25304 (304-926-0450). Copies the Secretary by visiting www.degreeby given by:	Address: 5207 Hampton Rd Clermons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to o Department of Environmental Protection headq s of such documents or additional information relative process.	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Notice is he Pursuant to Wa plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, Wobtained from Notice is he Well Operato	reby given: Vest Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV IV 25304 (304-926-0450). Copies the Secretary by visiting www.degreeby given by: r: SWN PRODUCTION COMPANY, LLC	Address: 5207 Hampton Rd Clermons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to o Department of Environmental Protection headq s of such documents or additional information related to output. Address: 1300 Fort Pierpont, Dr.	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Notice is he Pursuant to W a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, W obtained from	reby given: /est Virginia Code § 22-6A-10(a), ron the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV I/V 25304 (304-926-0450). Copies the Secretary by visiting www.degreeby given by:	Address: 5207 Hampton Rd Clermons, NC 27012 *please attach additional forms if ne notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to o Department of Environmental Protection headq s of such documents or additional information relative process.	l operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be

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entry		Requirement: Notice shall be pro	unned Entry: 5/14/2019	ys but no more ma	n FORT 1-FIVE (43) day	s prior to
Deliv	ery meth	od pursuant to West Virginia C	Code § 22-6A-10a			
	PERSON SERVICE		☐ METHOD OF DEI RECEIPT OR SIGN			
on to but n benea owner and S Secret enable	the surface o more that such the er of mines dediment (etary, which the surf	est Virginia Code § 22-6A-10(a), ce tract to conduct any plat survey an forty-five days prior to such erect that has filed a declaration purals underlying such tract in the control Manual and the statutes a ch statement shall include contact ace owner to obtain copies from the control of the control of the statutes and the statutes and the statutes are owner to obtain copies from the control of the control o	ys required pursuant to this a ntry to: (1) The surface ownersuant to section thirty-six, a county tax records. The notion and rules related to oil and gates information, including the a	rticle. Such notice : r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall be provided at least s to any owner or lessee of a wenty-two of this code; an atement that copies of the roduction may be obtained	even days coal seams ad (3) any state Erosion d from the
Notic	e is herel	by provided to:				
	SURFACI	E OWNER(s)		L OWNER OR LE		
Name	e:		Name:			
Addr	ess:		Address:			
Name	ð:			ON STREET		
Addr	ess:		_ III MINI	ERAL OWNER(s)		
				ad E. Longfellow		
Name	e:		Address:" Union Town, 0	2580 State St. NW		
Addi	ess.		*please attac	h additional forms if ne	cessary	
Pursu	ant to We survey of ty:	eby given: est Virginia Code § 22-6A-10(a), in the tract of land as follows: West Virginia Marshall Liberty	Approx. Latit	ude & Longitude:		
		Littleton		ed farm name:	Shawn Harlan	
Copie may Charl	es of the s be obtained leston, W	tate Erosion and Sediment Control of from the Secretary, at the WV 25304 (304-926-0450). Copies the Secretary by visiting www.de	ol Manual and the statutes an Department of Environments s of such documents or addit	d rules related to o al Protection headq ional information r	uarters, located at 601 57th	Street, SE,
Noti	ce is her	eby given by:				RECEIVED
Well	Operator:		Address:	1300 Fort Pierpont, Dr.,	Suite 201	Office or On and Gas
	hone:	304-884-1610		Morgantown, WV 26508		20,000
Emai	1:	brittany_woody@swn.com	Facsimile:	304-884-1690		0101 9 1010
						SEP 1 8 2019
Oil a	nd Gas	Privacy Notice:				WV Department of

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

Notice Time F Date of Notice	Requirement: Notice shall be provided a	rmit Application Filed:	
Delivery meth	od pursuant to West Virginia Code §	22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		QUESTED	
receipt request drilling a horiz of this subsecti subsection may and if available	ed or hand delivery, give the surface own contal well: <i>Provided</i> , That notice given on as of the date the notice was provided	ner notice of its intent to enter upon the pursuant to subsection (a), section to d to the surface owner: <i>Provided, howert.</i> The notice, if required, shall includers of the operator and the operator	an operator shall, by certified mail return ne surface owner's land for the purpose of an of this article satisfies the requirements ovever, That the notice requirements of this ude the name, address, telephone number, or's authorized representative.
Name: Shawn & S		Name:	
A TABLE OF THE PARTY OF THE PAR	Proctor Creek Road	Address:	
The state of the s	NIOCIEE		
	eby given:		well operator has an intent to enter upon llows:
Notice is her Pursuant to We the surface own State: County:	eby given: est Virginia Code § 22-6A-16(b), notice		
Notice is here Pursuant to We the surface own State: County: District: Quadrangle:	eby given: est Virginia Code § 22-6A-16(b), notice ner's land for the purpose of drilling a ho West Virginia Marshall	orizontal well on the tract of land as fo UTM NAD 83 Easting: Northing:	llows: 532,277.172 4,398,288.853
Notice is her Pursuant to We the surface own State: County: District: Quadrangle:	eby given: est Virginia Code § 22-6A-16(b), notice ner's land for the purpose of drilling a ho West Virginia Marshall Liberty	orizontal well on the tract of land as fo UTM NAD 83 Basting: Northing: Public Road Access:	Hows: 532,277.172 4,398,288.853 Greenfield Road
Notice is here. Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice & Pursuant to We facsimile numbered to horize	eby given: est Virginia Code § 22-6A-16(b), notice ner's land for the purpose of drilling a ho West Virginia Marshall Liberty Littleton Laurel Run of Fish Creek Shall Include: est Virginia Code § 22-6A-16(b), this ber and electronic mail address of the zontal drilling may be obtained from the	orizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: notice shall include the name, addroperator and the operator's authorize es Secretary, at the WV Department of	Hows: 532,277.172 4,398,288.853 Greenfield Road
Notice is her Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W facsimile number related to horizalocated at 601	eby given: est Virginia Code § 22-6A-16(b), notice ner's land for the purpose of drilling a ho West Virginia Marshall Liberty Littleton Laurel Run of Fish Creek Shall Include: fest Virginia Code § 22-6A-16(b), this ber and electronic mail address of the electronic drilling may be obtained from the 57th Street, SE, Charleston, WV 25304 (orizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: notice shall include the name, addroperator and the operator's authorize es Secretary, at the WV Department of	llows: 532,277.172 4,398,288.853 Greenfield Road Shawn Harlan MSH ess, telephone number, and if available, and representative. Additional information f Environmental Protection headquarters,
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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 hereigness or as needed to comply with statutory or regulatory requirements, including Freedom of Information Active questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

Date of Notice	Requirement: notice shall be proved: Date Pe	rmit Application Filed:		application.
Delivery met	thod pursuant to West Virginia C	Code § 22-6A-16(c)	, ,	
CERTI	FIED MAIL	☐ HAND		
	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned of required to be drilling of a damages to the (d) The notice of notice.	requested or hand delivery, give the prevail of the notice required by a provided by subsection (b), section horizontal well; and (3) A proposite surface affected by oil and gas of	he surface owner whose law this subsection shall income ten of this article to a subsection shall income ten of this article to a subsection shall income the surface use and compete perations to the extent the given to the surface owner.	nd will be used for lude: (1) A copy rface owner who insation agreement damages are com	ication, an operator shall, by certified mail for the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the not containing an offer of compensation for appensable under article six-b of this chapter, sted in the records of the sheriff at the time
	s listed in the records of the sheriff			
	a	Name		
Name: Shawn 8	Scott Harlan			
Name: Shawn 8	9 Proctor Creek Road	Addr		
Name: Shawn 8 Address: 1707 New Martinsville, Notice is her	9 Proctor Creek Road WV 26155 eby given:	Addr	ess:	wall operator has developed a planned
Name: Shawn 8 Address: 1707 New Martinsville, Notice is her Pursuant to W operation on State: County: District:	9 Proctor Creek Road WV 26155 eby given:	Addr notice is hereby given tha urpose of drilling a horizon UTM NAI	the undersigned tal well on the tra 83 Easting: Northing:	well operator has developed a planned act of land as follows: 532,277.172 4,398,288.853 Greenfield Road
Name: Shawn 8 Address: 1707 New Martinsville, Notice is her Pursuant to W operation on State: County: District: Quadrangle:	eby given: /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Marshall	Addr notice is hereby given tha urpose of drilling a horizon UTM NAI	the undersigned tal well on the tra 83 Easting: Northing:	act of land as follows: 532,277.172 4,398,288.853
Name: Shawn 8 Address: 1707 New Martinsville, Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide morizontal we surface affect information r neadquarters, gas/pages/def	eby given: //est Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Marshall Liberty Littleton Laurel Run of Fish Creek Shall Include: //est Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use fied by oil and gas operations to the elated to horizontal drilling may blocated at 601 57th Street, SE, fault.aspx.	notice is hereby given tha propose of drilling a horizon UTM NAI Public Road Generally this notice shall include: It to a surface owner who and compensation agrees the extent the damages are be obtained from the Sec Charleston, WV 2530	the undersigned tal well on the tra 83 Easting: Northing: d Access: sed farm name: 1)A copy of this se land will be understand the world are compensable understay, at the WV	act of land as follows: 532,277.172 4,398,288.853 Greenfield Road Shawn Harlan MSH code section; (2) The information required
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Name: Shawn 8 Address: 1707 New Martinsville, Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide morizontal we surface affect information r neadquarters, gas/pages/def	eby given: //est Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Marshall Liberty Littleton Laurel Run of Fish Creek Shall Include: //est Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use fied by oil and gas operations to the elated to horizontal drilling may blocated at 601 57th Street, SE, fault.aspx.	notice is hereby given tha propose of drilling a horizon UTM NAI Public Road Generally this notice shall include: It to a surface owner who and compensation agrees the extent the damages are be obtained from the Sec Charleston, WV 2530	the undersigned tal well on the tra 83 Easting: Northing: d Access: sed farm name: 1)A copy of this se land will be understand the work (304-926-0450) 1300 Fort Pierpont Morgantown, W 20	act of land as follows: 532,277.172 4,398,288.853 Greenfield Road Shawn Harlan MSH code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-drive , Suite 201

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.

WV Department of Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

May 29, 2019

Byrd E. White, III Secretary of Transportation

> Jimmy Wriston, P. E. Deputy Secretary/ Acting Commissioner

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 Shawn Harlan Pad, Marshall County Shawn Harlan MSH 210H Well site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2015-0114 issued to Southwestern Energy for access to the State Road for a well site located off of Marshall County Route 92/1 SLS.

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 October 1, 2018.

Very Truly Yours,

Gary K. Clayton, P.E. Regional Maintenance Engineer

Dary K. Clayton

Central Office O&G Coordinator

RECEIVED
Office of Oil and Gas

SEP 1 8 2019

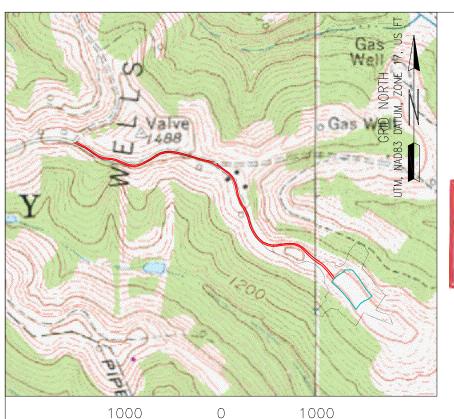
WV Department of Environmental Protection

Cc: Brittany Woody Southwestern Energy

CH, OM, D-6

File

	The state of the s	Attachment VI Frac Additives 4 / 0 5	Comp Sons &
Product Name	Product Use	Chémical Name	CAS Number
d-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-21 1 104-55 2
		Cinnamaldehyde	111-76 2
**************************************		Butyl cellosolve	64-18 6
		Formic acid	Proprietary
<u></u>		Polyether Acetophenone, thiourea, formaldehyde polymer	68527-49 1
	No. State Land		7727-54-0
AP ONE (U.S. Well Services)	Breaker	Ammonium persulfate	
Bactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
Bactron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
CarboNRT	Tracer	Ceramic Proppant	66402-68-4
C6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
C6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
cono-CI200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
		Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldehyde	50-00-0
LEGAC (CIABLAN-III C 1 1	lana Cantant		
copol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
DP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
LOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
LOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
R-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
it 70 (Hambarton)	THOUGH NEGGGG	Inorganic Salt	Proprietary
CVDTDON T 200 (Champion Tachnologies)	Scale Inhibitor	Methanol	67-56-1
SYPTRON T-390 (Champion Technologies)	Scale minibilor	Nonylphenol Ethoxylate	
MARGE AL BILL ALL A	a state of the sta		Proprietary
IAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
ICL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
P-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
PTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
lexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated	68551-12-2
		Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
exslick 953	Friction Reducer	Petroleum Distillate REGE	V 64742-47-8
	. A reason the deposit	Sodium Chloride Office of Of	
*		Ammonium Chloride	12125-02-9
V		N,N-bis (2-hydroxyethyl) oleamide	
Joveliek 057	Existing Reduces	CFD CFD	93-83-4
lexslick 957	Friction Reducer	Petroleum Distillate	
		Ammonium Chloride WV Depar	12125-02-9 tment of 93-83-4 - Ornifortion 68551-12-2
1		Oleic Acid Dietnanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	
		Water	7732-15-5
			-
WFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide	64742-47-8 9003-06 9



SHAWN HARLAN MSH PAD CONSTRUCTION AND RECLAMATION PLAN AS-BUILT LIBERTY DISTRICT, MARSHALL COUNTY, WV OCTOBER 2015

WVDEP OOG
ACCEPTED AS-BUILT

TOTAL DISTURBED AREA: 11.2 ACRES
ROAD DISTURBED AREA: 3.9 ACRES
PAD DISTURBED AREA: 7.3 ACRES

1"=1000 S 17, HANCOCK) GRID NORTH 3 DATUM, ZONE BROOKE OHIO **PROJECT** UTM, NAD83 LOCATION MONONGALIA WETZEL MORGAN / MARION BERKELEY MINERAL TAYLOR HAMPSHIRE DODDRIDGE RITCHIE BARBOUR GRANT TUCKER LEWIS GILMER JACKSON RANDOLPH MASON BRAXTON PUTNAM CABELL NICHOLAS POCAHONTAS LINCOLN WAYNE GREENBRIER LOGAN MINGO \ WYOMING , SUMMERS /

MERCER

COORDINATES: SITE ENTRANCE (NAD83) LAT: 39.737980 LONG: 80.633377

AT HARLAN PAD (NAD83) LAT: 39.734127 LONG: 80.624013

CENTER OF PAD (NAD83) LAT: 39.733900 LONG: 80.623393

GATHERING AREA (NAD83) LAT: 39.738073 LONG: 80.634546 EXISTING WELL: HARLAN MSH 3H (NAD83) LAT: 39.733835 LONG: 80.623282 SHEET INDEX

TS1. TITLE SHEET

EP2.1 EVACUATION ROUTE/ PREVAILING WIND

EP2.2 EVACUATION ROUTE/ PREVAILING WIND

AS3.1 ASBUILT OVERVIEW

AS3.2 ASBUILT

AS3.3 ASBUILT

AS3.4 ASBUILT AS3.5 ASBUILT

AS3.5 ASBUILT

AS3.7 ASBUILT

ASR4.1 CONSTRUCTION AND RECLAMATION ACCESS ROAD PROFILE

MRD5.1 RECLAMATION PLAN OVERVIEW

MRD5.2 RECLAMATION PLAN

MRD5.3 RECLAMATION PLAN

MRD5.4 RECLAMATION PLAN

MRD5.5 RECLAMATION PLAN

MRD5.6 RECLAMATION PLAN MRD5.7 RECLAMATION PLAN

MRD6.3 RECLAMATION DETAILS

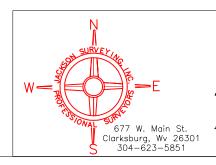
MRD6.4 DETAILS

REVISION DATE

CHANGES PER DEP 08/31/2016







08-31-2016

Jackson Surveying Inc.

TITLE SHEET

TS.1

SOUTHWESTERN PRODUCTION COMPANY LLC. SHAWN HARLAN MSH PAD LIBERTY DISTRICT, MARSHALL COUNTY, WV OCTOBER 16, 2015

