

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

Thursday, December 5, 2019 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Permit approval for SHAWN HARLAN MSH 10H

47-051-02284-00-00

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

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

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

Operator's Well Number: SHAWN HARLAN MSH 10H SCOTT L. HARLAN & SHAW Farm Name:

U.S. WELL NUMBER:

47-051-02284-00-00

Horizontal 6A New Drill

Date Issued: 12/5/2019

Promoting a healthy environment.

API	Number:		

PERMIT CONDITIONS

4705102284

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

4705102284

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

OPERATOR WELL NO. Shawn Harlan MSH 10H
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 Production Co., LLC 494512924 051-Marshal 7-Liberty 438-Little	leton
Operator ID County District Quadran	gle
2) Operator's Well Number: Shawn Harlan MSH 10H Well Pad Name: Shawn Harlan MSH	
3) Farm Name/Surface Owner: Scott L. Harlan & Shawn D. Harlan Public Road Access: Greenfield Road	
4) Elevation, current ground: 1391' Elevation, proposed post-construction: 1391'	
5) Well Type (a) Gas X Oil Underground Storage	
Other (b)If Gas Shallow X Deep	
N. 4	
6) Existing Pad: Yes or No Yes 11/19/2019	
7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s): Target Formation-Marcellus, Down-Dip Well to the South, Target Top TVD- 7465', Target Base TVD- 7508', Anticipated Thickness- 43', Associated	Pressure- 4880
8) Proposed Total Vertical Depth; 7490'	
9) Formation at Total Vertical Depth: Marcellus	
10) Proposed Total Measured Depth: 22,008	
11) Proposed Horizontal Leg Length: 14332.32	
12) Approximate Fresh Water Strata Depths: 489'	
13) Method to Determine Fresh Water Depths: Nearby Well & Salinity Profile	
14) Approximate Saltwater Depths: 750' Nearby Well	
15) Approximate Coal Seam Depths: 1116'	
16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of	
17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes X No	
(a) If Yes, provide Mine Info: Name:	
Depth:	
Seam:	
Owner:	

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4705102284

OPERATOR WELL NO. Shawn Harlan MSH 10H Well Pad Name: Shawn Harlan MSH

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	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#	22,008'	22,008'	lead 537se to 1374SaarhOV inside inleases
Tubing							
Liners							

AN 11/19/2019

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% 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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OPERATOR WELL NO. Shawn Harlan MSH 10H
Well Pad Name: Shawn Harlan MSH

JM 11/19/2019

JV (11/19/2019
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.

*Note: Attach additional sheets as needed.

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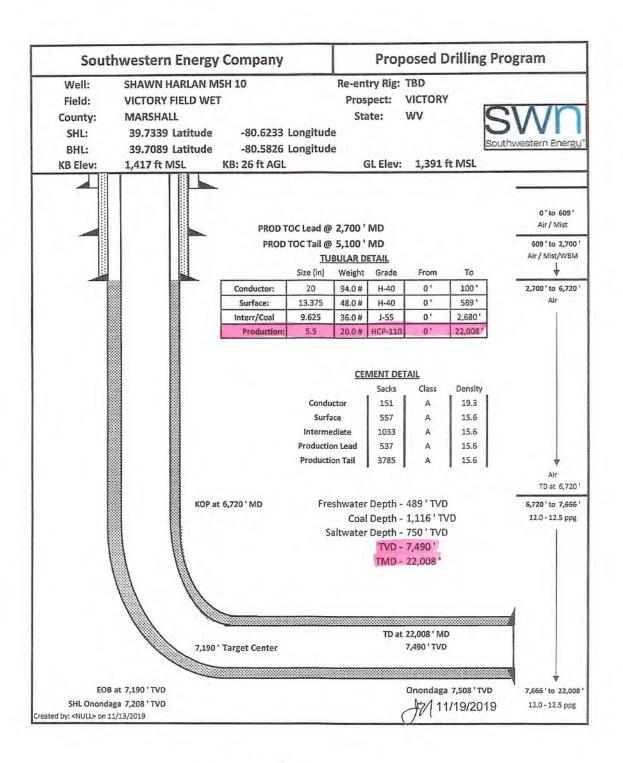
	Product Name	Product Use	Chemical Name	CAS Number		
Surface	5001	accelerator	calcium chloride up to 3%	10043-52-4		
Intermediate Surface	5001	accelerator	calcium chloride	10043-52-4		
-	D080	dispersant	sodium polynaphthalene sulfonate	9008-63-3		
0 8	D801	retarder	aromatic polymer derivative	propriatary		
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		
ફ	D201	retarder	metal oxide	propriatary		
du			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		
npo	D201	retarder	metal oxide	propriatary		
P	D153	anti-settling	chrystalline silica	14808-60-7		

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בוחחתווו לפווכי ואחר ב ווסומרכת	Maxton Sand, Third Salt Sand	Maxton Sand, Third Salt Sand	Big Lime, 2nd Salt Sand	Big Lime, Third Salt Sand	Slate & Lime, Slate & Shells	Unknown	Unknown	Unknown	Unknown																						
Producing Formation	Big Injun	Big Injun	Big Injun & Maxton	Big Injun & Maxton	Gordon	Unknown	Unknown	Unknown																							
Vertical ID	2155	2271	2207	2100	3198	Unknown	Unknown	Unknown																							
Longituae	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown																							
Latitude	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown																							
Status	Active Storage Well	Active Storage Well	Active Storage Well	Active Storage Well	Plugged	Unknown	Unknown	Unknown																							*
Operator	Columbia Gas Transmission, LLC, 1700 MacCorkle Avenue SE, Charleston, WV 25314	Columbia Gas Transmission 11C 1700 MacCorkle Avenue SE Charleston . WV 25314	Columbia Gas Transmission 11C 1700 MarCorkle Avenue SE. Charleston WV 25314	Columbia Gas Transmission 11C 1700 MarCorkle Avenue SF Charleston WV 25314			Unknown	Inchama																							
API	051-00467	Т	Τ	Т	051-00162	Т	T																								

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WW-9 (2/15)

API Number 47 - 051 -

Operator's Well No. Shawn Harlan MSH 10H

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 4945129	924
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 V	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes No If so, what ml.?	
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
Underground Injection (UIC Permit Number 34-155-22403, 34-059-24687, 34-119-28776, 34-167-2386)	
Reuse (at API Number at next anticipated well, API# will be included with the WR-34/DDMR Off Site Disposal (Supply form WW-9 for disposal location)	&/or permit addendum.
Other (Explain flow back fluids will be put in steel tanks and reused or taken to a	permitted 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.	drill to KOP, fluid drill with SORM from KOP to TD Office of Oil and Gas
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base	of Oil and Gas
Additives to be used in drilling medium? Attachment 3B	-3 2000
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill	Environmental Proteotion
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	mental Protection
-Landfill or offsite name/permit number? Meadowfill SWF-1032, Short Creek SWF-1034, Carbon Limestone M	
Arden Landfill 10072, Apex Sanitary Landfill 06-08438, Brooke Co SVVF-101	3, Valley 100280
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or assoc West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the pe	
where it was properly disposed.	Timitee shan also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL WATER on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Provisions of the permit are enforceable by law. Violations of any term or condition of the general law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the application form and all attachments thereto and that, based on my inquiry of those individuals obtaining the information, I believe that the information is true, accurate, and complete. I am average penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature **Company Official Chirack Names** Brittany Woody**	rotection. I understand that the permit and/or other applicable information submitted on this immediately responsible for ware that there are significant NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGILDER State of West Virginia
Company Official (Typed Name) Brittany Woody	My Comm. Expires Jul 20, 2020 SWN Production Company, LLC
Company Official Title Senior Regulatory Analyst	79 Innovation Dr. Jane Lew, WV 26378
Subscribed and sworn before me this 24th day of May, 20 19 Notary Published Notary	
Notary Publi	ic
My commission expires 7-20-20	

Operator's Well No. Shawn Harlan MSH 10H

Proposed Revegetation Treatment: Acres Disturb	bed 11.2	Prevegetation pl	I
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	lbs/acre		
Mulch_ Hay/Straw 2.5	Tons/acre		
	Seed Mixtures		
Temporary		Perma	nent
Seed Type Ibs/acre Attachment 3C		Seed Type	lbs/acre
Drawing(s) of road, location, pit and proposed are provided)		less engineered plans inc	cluding this info have b
Attach: Drawing(s) of road, location, pit and proposed are provided) Photocopied section of involved 7.5' topographic Plan Approved by:	sheet.	less engineered plans inc	
Drawing(s) of road, location, pit and proposed are provided) Photocopied section of involved 7.5' topographic Plan Approved by:	sheet.		
Drawing(s) of road, location, pit and proposed are provided) Photocopied section of involved 7.5' topographic Plan Approved by:	sheet.		Office
Drawing(s) of road, location, pit and proposed are provided) Photocopied section of involved 7.5' topographic Plan Approved by:	sheet.		Office OCT
Drawing(s) of road, location, pit and proposed are provided) Photocopied section of involved 7.5' topographic Plan Approved by:	sheet.		Office

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)

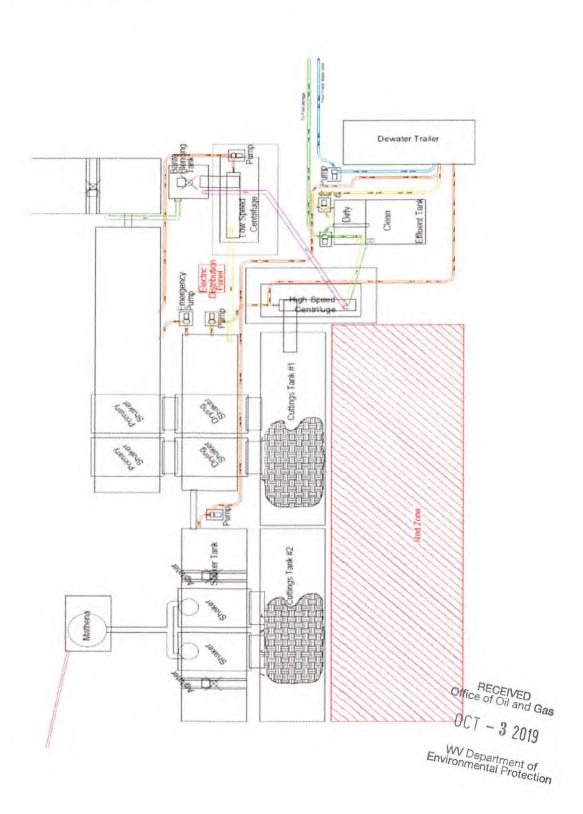
When drilling is converted to liquids drilling, the shale gas separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached 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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Solids Control Layout

Attachment 3B

Drilling Mediums

<u>Surface/Coal(if present)/Freshwater Intervals:</u>

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

Office of Oil and Gas

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Environmental Protection

Attachment 3C

		em Energy*
3)	Southwestern

NON-ORGANIC PROPERTIES

Seed Mixture: ROW Mix

Orchardgrass

Timothy

WVD Seeding Specification

SWN Supplied

15% 15% 2% 2% 2% 2% 2%

(please allow 7 to 10 days for delivery) To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi_eddy@swn.com innoculated at 5x normal All legumes are rate Apply @ 200lbs per acre

Oct. 15th- April 15th PLUS 50lbs per acre of Winter Wheat	
April 16th- Oct. 14th	

Apply @ 100lbs per acre

Rough Bluegrass **Birdsfoot Trefoil**

Medium Red Clover

White Clover

Brown Top Millet Annual Ryegrass

Red Top

COII ANGENIDAGENITE	
SOIL AIVIENDIVIEN IS	
10-20-20 Fertilizer	*Apply @ 500lbs per Acre
Pelletized Lime	Apply @ 2 Tons per Acre
	*unless otherwise dictated by soil test results

871' of 50' ROW/LOD is One Acre 1452' of 30' ROW/LOD is One Acre 622' of 70' ROW/LOD is One Acre

/nopsis

Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).

Special Considerations:

Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with SWN supervision at the beginning of the project to allow time for special seed delivery.

Organic Timorkue. Surviva Cultural Colognic May Surviva Surviv	Organic Red or White Clover	
ential Ryegrass on White Clover OR ential Ryegrass I or White Clover Apply @ 100lbs per acre April 16th- Oct. 14th ganic Fertilizer @ 200lbs per Acre ass sass	organic Red or White Clover	
ennial Ryegrass OR ennial Ryegrass I or White Clover Apply @ 100lbs per acre April 16th- Oct. 14th ganic Fertilizer @ 200lbs per Acre grass Srass Srass Sass Sass Sastion' Seed Seed Apply @ 25lbs per acre April 16th- Oct. 14th Seed Seed Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WE	organic Red or White Clover OR	20%
ennial Ryegrass 50% Apply @ 100lbs per acre April 16th- Oct. 14th ure: Wetland Mix 50% grass sass 20% srass seed 55% enna 55% bena 7.5% April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WE	OR	%05
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Apply @ 100lbs per acre April 16th- Oct. 14th anic Fertilizer @ 200lbs per Acre IDS (delineated as jurisdictional we are wetland Mix surisdictional we ass 20% ass 20	rganic Perennial Ryegrass	20%
Apply @ 100lbs per acre April 16th- Oct. 14th ure: Wetland Mix SWN grass grass seed seed seed seed seed seed seed specificational we sprass seed shapply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WE	rganic Red or White Clover	20%
April 16th- Oct. 14th John Service (a) 200lbs per Acre LIDS (delineated as jurisdictional we seras) Sun Sun Sures Sun Sun Sures Sun	Apply @ 100lbs per acre	Apply @ 200lbs per acre
ranic Fertilizer @ 200lbs per Acre UDS (delineated as jurisdictional we ure: Wetland Mix SWN SWN SWN Strass ass 20% ass 10% astion' 5% seed 5% seed 5% 5% seed 5% 5% astion and a 5% 5% and a 5% 5% and a 4pply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WE	April 16th- Oct. 14th	Oct. 15th- April 15th
ure: Wetland Mix SWN Sup grass grass grass sass seed seed seed seed seed seed s	Organic Fertilizer @ 200lbs per Acre	Pelletized Lime @ 2 Tons per Acre
seed 5% Sometime 5% Someti	WETLANDS (delineated as jurisdictio	onal wetlands)
sgrass 20% srass 20% sass 20% sass 10% seed 5% seed 5% seed 5% bena 2.5% Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN OF STRILIZER OR LIME INSIDE WETLAN Solution	eed Mixture: Wetland Mix	SWN Supplied
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seed 10% seed 5% enna 5% enna 5% seed 5% enna 5% 2.5% bena 2.5% Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN OCT 5000000000000000000000000000000000000	nnual Ryegrass	20%
seed 5% seed 5% anna ieed 5% bena 2.5% Apply @ 25lbs per acre April 16th-Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN OF SETTLIZER OR LIME INSIDE WETLIZER OR LIME INSIDE WETLAN OF SETTLIZER OR LIME INSIDE WETLAN OF SETTLIZER OR LIME INSIDE WETLIZER OR LIME INSIDE WETLAN OF SETTLIZER OR LIME INSIDE WETLIZER LIME INSIDE WETLIZER OR LIME INSIDE WETLIZER LIME INSIDE WETL	owl Bluegrass	20%
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seed 5% enna 5% seed 5% bena 2.5% Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN OF SETTILIZER OR LIME INSIDE WETLAN	edtop	2%
bena 2.5% 2.5% 2.5% Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN OF PRILIZER OR LIME INSIDE WETLAN OR PRIL	olden Tickseed	2%
bena 2.5% 2.5% 2.5% Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN NO FERTILIZER OR LIME INSIDE WETLAN OF STATE O	laryland Senna	5%
bena Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN O O O O O O O O O O O O O O O O O O O	howy Tickseed	2%
bena Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN O PRILON OF THE	ox Sedge	2.5%
2.5% Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN O O O O O O O O O O O O O O O O O O O	oft Rush	2.5%
Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN O O O O O O O O O O O O O O O O O O O	Joolgrass	2.5%
Apply @ 25lbs per acre April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN O O O O O O O O O O O O O O O O O O O	wamp Verbena	2.5%
April 16th- Oct. 14th NO FERTILIZER OR LIME INSIDE WETLAN O O O O O O O O O O O O O O O O O O O	Apply @ 25lbs per acre	Apply @ 50lbs per acre
NO FERTILIZER OR LIME INSIDE WETLANI		Oct. 15th- April 15th
office of Oil	(VSIDE WETLAND LIMITS
ECENT OIL	ffice o	Rev. 5/22/2018
/Ean	CEIVE Oil and 3 20	

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

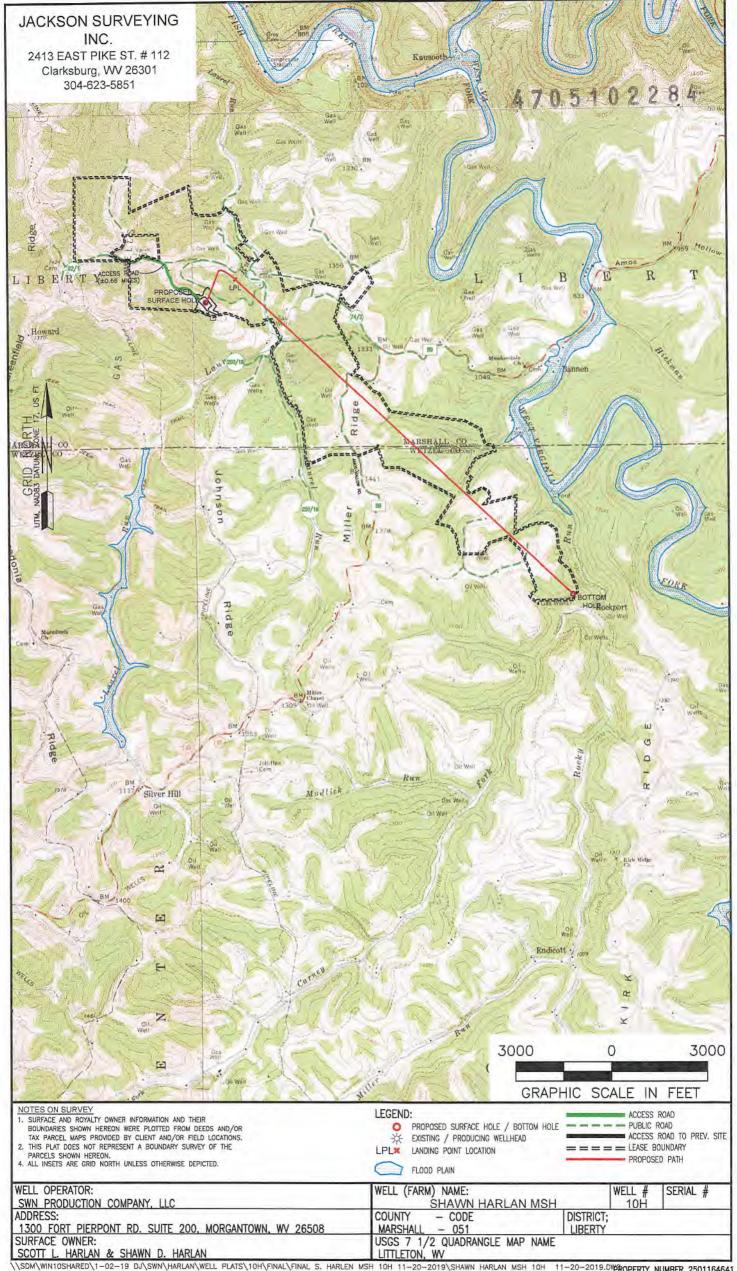


SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX WELL NAME: Shawn Harlan MSH 10H Littleton QUAD Liberty DISTRICT Marshall COUNTY, WEST VIRGINIA

Submitted by:	
Name: Brittany Woody buttany Woody	Date: <u>5/22/2019</u>
Title: Senior Regulatory Analyst	SWN Production Co., LLC
Approved by: Name: Jain Unlike Title: Oil & Care In specifican	Date: 5/28/19 Office of Oil and Gas OCT - 3 2019
Approved by:	Environmental Protection
Name:	Date:
Title:	

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL



80,32,

.ongitude:

JACKSON SURVEYING

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

TRACT	CLIDENCE OWNED (C) / DOVALTY OWNED (D)	VERS
1	SURFACE OWNER (S) / ROYALTY OWNER (R) 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, KAREN CUBBAGE, ROBBERT W. CUBBAGE, KAREN CUBBAGE, ROBBERT W. CUBBAGE, KAREN CUBBAGE, DALE E. WORKMAN, SANDRA E.	TAX PARCEL 07-28-01
	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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R)	
TRACT	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS).	
2	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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S)	TAX PARCEL 07-18-09
2	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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S)	TAX PARCEL 07-18-09 07-28-02
2 3 4	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN-LIFE (S)	TAX PARCEL 07-18-09 07-28-02 07-28-04
2 3 4 5	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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN-LIFE (S) MATTHEW ALLAN RICHMOND (S)	TAX PARCEI 07-18-09 07-28-02 07-28-04 07-28-05
2 3 4 5 6	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN—LIFE (S) MATTHEW ALLAN RICHMOND (S) CHRISTOPHER COX & NIKKI COX (S)	TAX PARCEI 07-18-09 07-28-02 07-28-04 07-28-05 07-28-07
2 3 4 5 6 7	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN—LIFE (S) MATTHEW ALLAN RICHMOND (S) CHRISTOPHER COX & NIKKI COX (S) VINCENZO MICELI, ET UX (S)	TAX PARCEI 07-18-09 07-28-02 07-28-04 07-28-05 07-28-07 07-28-06
2 3 4 5 6 7 8	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN—LIFE (S) MATTHEW ALLAN RICHMOND (S) CHRISTOPHER COX & NIKKI COX (S) VINCENZO MICELI, ET UX (S) EDWARD E. WADE JR. (S)	TAX PARCEI 07-18-09 07-28-02 07-28-04 07-28-05 07-28-07 07-28-06 07-27-20
2 3 4 5 6 7 8	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN-LIFE (S) MATTHEW ALLAN RICHMOND (S) CHRISTOPHER COX & NIKKI COX (S) VINCENZO MICELI, ET UX (S) EDWARD E. WADE JR. (S)	TAX PARCEI 07-18-09 07-28-02 07-28-04 07-28-05 07-28-07 07-28-06 07-27-20 01-02-14
2 3 4 5 6 7 8	RUSH, ERMA NELDA JEFFERSÓN, 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, 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 8/25/1999, WESBANCO BANK WHEELING, TRUSTEE, TONI JO MASON, ERICA MASON, O.E. BURGE AND SARAH LOU BURGE, H/W AND STEPHEN BURGE, (CHESTNUT HOLDINGS). (R) SURFACE OWNER C. MICHAEL BLAIR & LINDA L. BLAIR (S) MASON DIXON FARMS, LLC. (S) JAMES E. MORGAN—LIFE (S) MATTHEW ALLAN RICHMOND (S) CHRISTOPHER COX & NIKKI COX (S) VINCENZO MICELI, ET UX (S) EDWARD E. WADE JR. (S)	TAX PARCEI 07-18-09 07-28-02 07-28-04 07-28-05 07-28-07 07-28-06 07-27-20

	ADJOINING OWNERS TABLE	T = 10.0 = 10.0 = 10.0
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	JOHN E. RIGGS JR. & DELENA RIGGS	07-27-02
1	JOSEPH L. SCHANCK & KATHERINE SCHANCK	07-27-18
J	W. VA. WILDLIFE RESOURCES SECTION	07-27-17
K	BRIAN T. FERDA, ET UX	07-27-15
L	BRIAN T. FERDA & VI-EVA FERDA	01-02-04
М	STEPHEN ROSS MCINTYRE	01-02-05
N	WM. BALTZ, TR. OF VH & F CLUB, ET AL	01-02-5.1
0	BRAIN T. FERDA	01-05-7.1
P	WILLIAM E. RENNER & WILLIAM J. RENNER	-01-05-07
Q	WILLIAM E. RENNER	01-05-04
R	LARRY RINE, ET AL	p/o 01-02-0
S	LARRY G. RINE & JANA L. RINE	01-05-03
T	MARY E. PYLES	01-02-03
U	FLOYD B. JOHNSON	01-02-02
V	FLOYD B. JOHNSON	01-02-01
W	WILMA JARRELL, ET AL	01-01-07
X	APPALACHIA MIDSTREAM SERVICES, LLC.	01-01-06
Y	APPALACHIA MIDSTREAM SERVICES, LLC.	07-28-08
Z	CARL R. RICHMOND & EILEEN R. RICHMOND	07-28-13
AA	G. DAVID EVICK	07-28-14
BB	JAMES E. MORGAN-LIFE	07-29-04
CC	C. MICHAEL BLAIR & LINDA L. BLAIR	07-18-9.1
DD	RONALD K. NEELY & DONA L. NEELY	07-18-10
EE	HOY GLENN CROW, ET UX	07-18-11
FF	MASON DIXON FARMS, LLC.	07-18-8.1
GG	BERNARD P. TWIGG AND SHARON ANN TWIGG	07-18-08

REVISIONS:	COMPANY:	SWN Production Company, LLC	SV. Production C	MP A V+°
	OPERATOR'S WELL #:	SHAWN HARLAN MS 10H	SH	DATE: 11-20-2019 DRAWN BY: N. MANO
	DISTRICT: LIBERTY	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT

WW-6A1 (5/13) Operator's Well No. Shawn Harlan MSH 10H

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				500 7440 -0
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.	
RECEIVED	By:	Car la Mancis	
RECEIVED Office of Oil and Gas	Its:	Staff Landman	
NOV 2 2 2019			

WV Department of Environmental Protection Page 1 of ____

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Shawn Harlan 10H

Marshall and Wetzel County, West Virginia

						Interest Not Le
Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Southwest Production Co LLC
1	7-28-1	O. E. Burge, a married man dealing in his sole and	Columbia Natural Resources, L.L.C.	12.50%	645/102	0.00%
		separate property				
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63 33/110	100
-		Chesapeake Appalachia, L.L.C. Twila Ora Whipkey, a married woman dealing in her	SWN Production Company, LLC Columbia Natural Resources, L.L.C.	12.50%	33/110	
		sole and separate property	Columbia Havarai Resources, E.E.C.	*******		
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Paul F. Hammers, a married man dealing in his sole	Columbia Natural Resources, L.L.C.	12.50%		17/2
		and separate property Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	4.
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Jack Hammers, a married man dealing in his sole and		12.50%	645/343	100
		separate property				100
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	
		Chesapeake Appalachia, L.L.C. Toni Jo Mason, single	SWN Production Company, LLC Columbia Natural Resources, L.L.C.	12.50%	33/110 646/161	
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.	12.55%	650/63	1.4
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	1.00
		Hayhurst Company	Chesapeake Appalachia, L.L.C.	15.00%	691/53	1
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	1
		Stephen E. Justman, a widower	Chesapeake Appalachia, L.L.C.	12.50%	702/214	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Janet E. Wilbur a/k/a Janet T. Wilbur, a/k/a Janet E.	Chesapeake Appalachia, L.L.C.	12.50%	702/210	
		Teagarden Wilbur, a married woman dealing in her				
		sole and separate property				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	20126
		David A. Teagarden aka David Teagarden, a married		12.50%	703/609	100
		man dealing in his sole and separate property				1946
			Charles and the second		2011	1000
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1	33/110	300
		Eva T. Stalker aka Eva T. Stalker, by her Attorney-In- Fact, James P. Harter and Susan W. Harter	Chesapeake Appalachia, L.L.C.	12.50%	702/206	8 2 1 2 9
		ract, James P. narter and Susan W. Harter				
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	1
		Jeanne G. DeClue, a widow, by her Attorney-In-Fact,		12.50%	705/648	0.25
		Scott C. DeClue, aka Scott DeClue				F 1
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Erica M. Mason, a/k/a	Chesapeake Appalachia, L.L.C.	18.75%	708/61	100
		Erica Mason, a single woman	COMP. T. C. A. L. A.		22.640	1-1-5
		Chesapeake Appalachia, L.L.C. A.L. Evans, et ux	SWN Production Company, LLC The Wheeling Natural Gas Co.	12.50%	33/110 144/501	100
		The Wheeling Natural Gas Co.	The Manufacturers Light and Heat Company	12.30%	3/40	7
		The Wilderig Harata Good Co.	The managed steel agric and need company		5/45	100
		The Manufacturers Light and Heat Company	Union Gasoline and Oil Corporation		197/120	300
		Union Gasoline and Oil Corporation	Prestion Oil Company		2/136	4.00
		Prestion Oil Company	The Manufacturers Light and Heat Company		2/225	100
		70.74	et de e		422 (201	
		The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	Columbia Gas Transmission Corporation Columbia Natural Resources, L.L.C.		422/204 642/281	20 0 000 8
		Columbia Natural Resources, L.L.C.	Chesapeake Appalachia, L.L.C.		650/63	\$ 5000
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
2	7-18-9	Hazel Cora Teagarden and Otta A. Teagarden, her	The Manufacturers Light and Heat Company	12.50%	272/209	0.00%
		husband				4 190
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	1 - 1 - 1 - 1 W
		Calimbia Cas Tanandalas Camandia	Calcumbia Natural Commission 1.1.5		C49/202	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, L.L.C. Chesapeake Appalachia, L.L.C.		642/281	
		Columbia Natural Resources, L.L.C. Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		650/63 33/110	1.15
3	7-28-2	Robert M. Richardson, married SASP	Chesapeake Appalachia, L.L.C.	12.50%	684/142	0.00%
	4.20	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	1000000	33/110	27.11
		Tammy Duplain	SWN Production Company, LLC	17.00%	1059/514	
		Richard Howell	SWN Production Company, LLC	17.00%	1059/510	
		James Howell	SWN Production Company, LLC	17.00%	1060/9	
		Janice Howell	SWN Production Company, LLC	17.00%	1059/510	
		Kathleen Flohn	SWN Production Company, LLC	17.00%	1060/1	
		Patricia Howell Runyon	SWN Production Company, LLC	17.00%	1060/13	
-		Robert Lee Howell	SWN Production Company, LLC	17.00%	1061/181	
4	7-28-4	Gail Richardson Barner, a married woman dealing in	SWN Production Company, LLC	17.00%	1015/516	0.00%
		her sole and separate property Mineral Acquisition Company I, LP	SWN Production Company, L.I.C.	18.00%	1035/171	
		National City Bank of Pennsylvania, successor to	Chesapeake Appalachia, LLC	12.50%	683/323	-11-42
		First National Bank and Trust Company of	The state of the s		-00/020	4912 Views
		Waynesburg, Pennsylvania, Testamentary Trustee				07.082
						100
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Claudia L. Raven, a married woman dealing in her	SWN Production Company, L.L.C.	17.00%	1015/516	
		Sole and separate property Carol J. Spence, a widow	SIMN Production C	17.000	1015/6++	
5	7-28-5	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%
-	7-20-3	husband and wife	Seconda Natural Resources, LLC	12.30%	040/000	0,005
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	F 17 12
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	(A)
		Jerry N. Teagarden, divorced	Columbia Natural Resources, LLC	12.50%	643/112	Y 190
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	1,000
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	S VZ
EIVED		Bernard R. Teagarden and Jane Teagarden (h/w)	Columbia Natural Resources, LLC	12.50%	643/110	14/4
		Columbia Natural Parau	Charanaska Annaluskia 11.5		GEO/F7	
Oil and	Gas	Columbia Natural Resources Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, U.C.		650/63	1
		Willard L. Teagarden, a married man dealing in his	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110	Saylin
		sole & separate property	Company in the care in the south Cos, Live	12,30%		1
0 2010	1	Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	5 / Eg
2 2019	1	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Chad Teagarden, a married man dealing in his sole &		12,50%	643/104	
		separate property				7/9
	100	Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	100
artmont			SWN Production Company, LLC		33/110	
artment tal Prot		Chesapeake Appalachia, L.L.C. Teryl L. Clutter, a married woman dealing in her sole		12.50%	643/106	200

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator
Shawn Harlan 10H

Marshall and Wetzel County, West Virginia

						Interest Not Lease
Tract#	Tax Parcel	Lassor	Lessee	Royalty	Book/Page	Southwestern Production Comp LLC
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	
		Chesapeake Appalachia, L.L.C. Robin J. Smith, a married woman dealing in her sole	SWN Production Company, LLC Columbia Natural Resources, LLC	12,50%	93/110 643/256	
		and separate property	Columbia Natural Resources, LLC	12,30%	643/236	
		Columbia Natural Resources	Chesepeake Appalachia, L.L.C.		650/63	1880
		Chesapeake Appalachia, L.L.C. Douglas R. Teagarden, a married man dealing in his	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 643/254	
		sole and separate property				Part Same
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		650/63 33/110	186
		Chesapeake Appalachia, L.L.C. Jean McCulloh, a married woman dealing in her sole		12.50%	643/269	
		& separate property				
		Columbia Natural Resources Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		650/63 33/110	
		Charles N. Teagarden, a married man dealing in his	Columbia Natural Resources, LLC	12.50%	643/336	1790
		sole and separate property			150.00	100
		Columbia Natural Resources Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		650/63 33/110	100
		Hilda Daugherty, widow	Columbia Natural Resources, LLC	12.50%	543/342	75/4/745
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	
		Chesapeake Appalachia, L.iC. Thomas E. Teagarden, a married man dealing in his	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 643/336	
		sole & separate property	Columbia Natural Resources, LLC	12.50%		
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	100
		Chesapeake Appalachia, L.L.C. Teri Lee Parish, a married woman dealing in her &	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 643/558	
		separate property		4410		1.00
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	The state of
_		Chesapeake Appalachia, L.L.C. Larry W. Yeater, a married man dealing in his sale	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 643/564	
		and separate property				100
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		650/63 33/110	
		Chesapeake Appalachia, L.L.C. Helen V. Rutan, a married woman dealing in her sole		12,50%	643/568	10 - V
		& separate property				1000
		Columbia Natural Resources Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		650/63 33/110	1000
		Jeannette F. Yeater, a widow	Columbia Natural Resources, LLC	12,50%	643/562	1000000
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	
		Chesapeake Appalachia, L.L.C. Nedra Lynn Grubel	SWN Production Company, LLC Columbia Natural Resources, LLC	12.50%	33/110 682/610	
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.	1,000	650/63	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12,50%	33/110	
		Linda L. Moore, a married woman dealing in her sole and separate property	COIGINDIB NATURAL RESOURCES, LLC	12,50%	644/365	1000
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		650/63	11.5
_		Chesapeake Appalachia, L.L.C. Turis Jan Walker	SWN Production Company, LLC Chesapeake Appalachia, LLC	12.50%	33/110 643/336	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	44,3470	33/110	
		George H. Pyles, married man dealing in his sole &	Chesapeake Appalachia, L.L.C.	12.50%	681/1	1969
		separate property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Sara J. Rush, single	Chesapeake Appalachia, LLC	12.50%	682/287	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	15.550	33/110	
		Camilla P. Rush, single Chesapeake Appalachia, L.L.C.	Chesapeake Appalachia, LLC SWN Production Company, LLC	12,50%	582/238 33/110	100
		Tonya Rae Phillips, a married woman dealing in her	Chesapeake Appalachia, LLC	12.50%	682/219	144
		sole & separate property Chesapeake Appalachia, L.L.C.	CVINI Parking Committee Committee		33/110	
		Donald Eugene Rush, single	SWN Production Company, LLC Chesapeake Appalachia, LLC	12.50%	682/216	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Raymond Alan Pyles, married man dealing in his sole & separate property	Chesapeake Appalachia, L.L.C.	12.50%	583/53	1997
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	(A)
		Rachel A. Yeater, single	Chesapeake Appalachia, LLC	12.50%	686/277	1-00,00
		Chesapeake Appalachia, L.L.C. Karen Y. Jones, a married woman dealing in her sole	SWN Production Company, LLC Chesapeake Appalachia, LLC	12.50%	33/110 686/274	1
		& separate property		***************************************		100
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	40 2000	33/110	
		Allen L. Yeater, a married man dealing in his sole & separate property	Chesapeake Appalachia, LLC	12.50%		
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	Mary Sales
		The William J. Vest Trust dated July 16th, 2001, by	Chesapeake Appalachia, LLC	12.50%	687/116	55.4
		Larry W. Yeater, acting as Trustee Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	1 - 17/1/2005
		Mountain Minerals, LLC	Chesapeake Appalachia, LLC	15.00%	679/437	1010
6	7-28-7	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	43 500	38/35 401/433	0,00%
6	1-24-1	Iva B. Pyles, a widow The Manufacturers Light and Heat Company	Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	12,50%	422/204	0,00%
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC		650/63	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		662/322 33/110	
		J.N. Pyles and I.B. Pyles, his wife	Manufacturers Light and Heat Company	12.50%	164/575	10-1-10-10-1
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	1 6 Million
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC		650/63	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		662/322 33/110	
7	7-28-6	J.N. Pyles and I.B. Pyles, his wife	Manufacturers Light and Heat Company	12.50%	164/575	0.00%
		The Manufacturer's Light and Heat Company	Union Gasoline and Dil Coporation		197/120	
		Union Gasoline and Oil Coporation	Preston Oil Company		197/120	
			The second secon			
		Preston Oil Company	Columbia Gas Transmission Coporation		436/117	100000000000000000000000000000000000000
		Preston Oil Company				
			Columbia Gas Transmission Coparation Columbia Gas Transmission Coporation		436/117	

MAV Department of

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Marshall and Wetzel County West Virginia

						Interest Not Leaser
ract#	Tax Parcel	Lassor	Lessee	Royalty	Book/Page	Southwestern Production Compa
		Tri-County Oil and Gas, Inc. Leatherwood, Inc.	Leatherwood, Inc. CNX Gas Company, LLC		Merger 28/95	
		CNX Gas Company, LLC	Noble Energy, Inc.		26/225	
		Noble Energy, Inc.	HG Energy II Appalachia, LLC		38/297	
	7-27-20	HG Energy II Appalachia, LLC	SWN Production Company, LLC		42/118 371/335	0,00%
8 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		3/1/353	0.00%
		The Manufacturer's Light and Heat Company	Columbia Gas Transmission Coporation		422/204	
		Columbia Gas Transmission Coporation	Columbia Natural Resources		15/70	100 A 1 1 1 1 1 1
		Columbia Natural Resources	Tri-County Oil and Gas, Inc.		15/113	P. Page & Design
		Tri-County Oll and Gas, Inc.	Leatherwood, Inc. CNX Gas Company, LLC		Merger 26/95	(x, y,
		Leatherwood, Inc. CNX Gas Company, LLC.	Noble Energy, Inc.		26/225	
		Noble Energy, Inc. & CNX Gas Company LLC	Chesapeake Appalachia, LLC		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	6.00%
		Manufacturers Light and Heat Company Columbia Gas Transmission Coporation	Columbia Gas Transmission Coporation Columbia Natural Resources		263/164 84A/129	(
		Columbia Natural Resources	Chesapeake Appalachia, L.L.C.		402/446	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
10	1-2-13	Cheryl Howard, a married woman dealing in her sole		20.00%	190A/497	0.00%
		and separate property				V
		Resource Minerals Headwater I, LP	SWN Production Company, LLC	18.00%	229A/109	
		Dalena Riggs and John E. Riggs, Jr., wife and husband	Antero Resources Corporation	20.00%	197A/604	
		Antero Resources Corporation	SWN Production Company, LLC	20.00%	228A/420	
		David M. Pyles and Alice J. Pyles, husband and wife	Antero Resources Corporation	20,00%	197A/601	
		Antero Resources Corporation	SWN Production Company, LLC	20.00%	22BA/420	
		Charle J. Bortz, a married woman dealing in her sole	Antero Resources Corporation	20.00%	197A/592	
		and separate property Antero Resources Corporation	SWN Production Company, LLC	20.00%	228A/420	
11	1-2-8	Alton Bruce Miller and Virginia Belle Miller, et al	The Manufacturers Light and Heat Company	12.50%	48A/332	0.00%
	100					2000
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		263/164	
		And the second s	economic and the second		001/212	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC		90A/242 157A/540	
		Shiben Estates Inc.	SWN Production Company, LLC Grenadler Energy, LLC		123A/763	8 = 1
		Grenadier Energy Partners, LLC	Statoll USA Onshore Properties, Inc.		138A/1	
		Statoll USA Onshore Properties, Inc.	EQT Production Company		175A/707	
		EQT Production Company	SWN Production Company, LLC		203A/146	
.2	1-2-9	Franklin Thomas Barrett, a married man dealing in	SWN Production Company, LLC	17.00%	232A/25	23,94%
		his sole and separate property Ammon A. Burley and Flora J. Burley, husband and	SWN Production Company, LLC	17.00%	231A/282	
		wife		41.00/0	LUANI EDE	
		Barbara Jean Burley, a single woman	SWN Production Company, LLC	17.00%	232A/41	
		Robert Lawrence Burley	SWN Production Company, LLC	17.00%	231A/269	
		Wayne Edward Burley, a single man	SWN Production Company, LLC	17.00%	232A/37	
		Rosemary Cain, a single woman	SWN Production Company, LLC	17.00%	232A/13 232A/17	
		Krystal K. Camp and Thomas R. Camp, wife and husband	SWN Production Company, LLC	17.00%	232A/17	
		Thomas David Conaway, a married man dealing in	SWN Production Company, LLC	17.00%	232A/21	
		his sole and separate property		4,1000		
		DWG Oil & Gas	SWN Production Company, LLC	17.00%	231A/290	
		Michael A. Fish and Debra L. Fish, husband and wife	SWN Production Company, LLC	17.00%	231A/290	
		Charles Wayne Geho, a married man dealing in his	SWN Production Company, LLC	17.00%	231A/30Z	
		sole and separate property	2111 Consection Company, LLC	47.0076	EN TALBOX	8.1
		L. Gene Gray, a married man dealing in his sole and	SWN Production Company, LLC	18.00%	232A/29	
		separate property				
		George L. Hale and Karen D. Hale, husband and wife	SWN Production Company, LLC	17.00%	232A/5	
-		Pathy la Hanner a maried	CMAN Developation Company 11 C	47.00M	2211/205	
		Kathy Jo Hoopes, a married woman dealing in her sole and separate property	SWN Production Company, LLC	17.00%	231A/306	
		Annette Aldine Lloyd	SWN Production Company, LLC	17.00%	231A/261	1
		Gary Loy, Power of Attorney for Patricia Loy, widow	SWN Production Company, LLC	18.00%	232A/33	1
		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
		Beulah Kathleen Mackey, a single woman	SWN Production Company, LLC	17.00%	232A/9	
		Jana Lynn Robbins and David J. Robbins, wife and busband	SWN Production Company, LLC	17.00%	233A/886	A Company
		John B. Wanchick, a married man dealing in his sole	SWN Production Company, LLC	17.00%	231A/286	V
		and separate property		25070		1
		Michael O. Wanchick, a married man dealing in his	SWN Production Company, LLC	17.00%	231A/294	
		sole and separate property			THE COLUMN	/
		Marlin Watkins aka Don Watkins and Myra L.	SWN Production Company, LLC	17.00%	231A/946	N N
		Watkins, husband and wife Sharon Neala Zeppernick fka Sharon neala Barrett, a	SWN Production Company U.C.	17.00%	231A/278	
		married woman dealing in her sole and separate	same tompony, LLC	17.0076	2314/2/0	V -
		property				(4.
		Beth Ann Mysliwiec-Andlinger and Michael	SWN Production Company, LLC	17.00%	233A/890	
_		Andlinger, wife and husband The First Assembly of God Church	CMM Broduction Community	46.000	7224 Joon	
-		The First Assembly of God Church Elizabeth Cain, a single women	SWN Production Company, LLC SWN Production Company, LLC	16.00% 17.00%	233A/898 233A/894	
		Timothy N. Burley, a married man dealing in his sole	Chesapeake Appalachia, LLC	12.50%	108A/333	Transfer
.0		and separate property				
ctio		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	3
nt of tectio		SWN Production Company, LLC	Antero Resources Corporation		177A/533	V.
ent of rotectio		Antero Resources Corporation	SWN Production Company, LLC	10 500	228A/420	-
ment of Protectio			Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	107A/869 157A/540	1
rtment of al Protectio		Ronald W. Conaway Chesapeake Appalachia, LLC			201.4010	
partment of ntal Protectio		Chesapeake Appalachia, LLC SWN Production Company, LLC	Antero Resources Corporation		177A/533	Y .
epartment of ental Protectio		Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation			177A/533 228A/420	<u> </u>
Department of mental Protection		Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation Jeffrey L. Fish, a single man	Antero Resources Corporation SWN Production Company, LLC Chesapeake Appalachia, LLC	12,50%	228A/420 109A/115	
V Department of nimental Protection		Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation Jeffrey L Fish, a single man Chesapeake Appalachia, LLC	Antero Resources Corporation SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12,50%	228A/420 109A/115 157A/540	
AV Department of ronmental Protection		Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation Jeffrey L. Fish, a single man Chesapeake Appalachia, LLC SWN Production Company, LLC	Antero Resources Corporation SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation	12,50%	228A/420 109A/115 157A/540 177A/533	
WV Department of recommental Protection		Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation Jeffrey L. Fish, a single man Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation	Antero Resources Corporation SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC		228A/420 109A/115 157A/540 177A/533 228A/420	
WV Department of		Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation Jeffrey L. Fish, a single man Chesapeake Appalachia, LLC SWN Production Company, LLC	Antero Resources Corporation SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Antero Resources Corporation	12.50%	228A/420 109A/115 157A/540 177A/533	

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Marshall and Wetzel County, West Virginia

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased b Southwestern Production Company LLC
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Antero Resources Corporation		177A/533	
		Antero Resources Corporation	SWN Production Company, LLC		228A/420	
		Darrel Kerns, aka Darrel W. Kerns, aka Darrel Wayne Kerns	Chesapeake Appalachia, LLC	17.00%	108A/796	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Antero Resources Corporation		177A/533	
		Antero Resources Corporation	SWN Production Company, LLC		228A/420	
		Edward L. Conaway	Chesapeake Appalachia, LLC	12,50%	107A/521	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Antero Resources Corporation		177A/533	
		Antero Resources Corporation	SWN Production Company, LLC		2284/420	
		Donald Scott Conaway	Antero Resources Corporation	18.00%	209A/444	
		Antero Resources Corporation	SWN Production Company, LLC		2284/420	
		Robert W. Conaway, Jr.	Antero Resources Corporation	17.00%	202A/461	
		Antero Resources Corporation	SWN Production Company, LLC		228A/420	
		Royalty Owner			N/A	A CONTRACTOR OF THE SECOND

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WV Department of Environmental Protection



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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 24, 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 10H in Marshall County, West Virginia, Drilling under Co Hwy 74/2, Co Hwy 250/18, Amos Hollow Road, and Low Gap Run 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, Amos Hollow Road, and Low Gap Run 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, RPL

Staff Landman

SWN Production Company, LLC

RECEIVED
Office of Oil and Gas

NOV 2 2 2019

WV Department of Environmental Protection

R2 -2V+°

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

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

Date of Noti	ce Certification:		API No. 47			
					vn Harlan MSH 10H	
			Well Pad N	ame: Shawn	Harlan MSH	
Notice has	been given:					
	ne provisions in West Virginia Code	§ 22-6A, the Operator has pro-	vided the requ	uired parties v	vith the Notice Forms listed	
below for the	tract of land as follows:		4.5			
State:	West Virginia	UTM NAD 83	Easting:	532,277.172		
County:	051-Marshall		Northing:	4,398,288.853		
District:	Liberty	Public Road Acc		Greenfield Road		
Quadrangle:	Littleton	Generally used fa	arm name:	Shawn Harlan		
Watershed:	Laurel Run of Fish Creek					
	e § 22-6A-11(b), the applicant shall the have been completed by the applicant of the applicant of the state o		he secretary t	hat the notice	requirements of section ten	
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require ECK ALL THAT APPLY		his Notice Ce	rtification	OOG OFFICE USE ONLY	
□ 1. NO	FICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED SEISMIC ACTIVITY WAS			☐ RECEIVED/ NOT REQUIRED	
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or D NO PLAT SURV	EY WAS CO	NDUCTED	RECEIVED	
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIINOTICE OF ENTRY FOR			RECEIVED/ NOT REQUIRED	

Required Attachments:

■ 5. PUBLIC NOTICE

■ 6. NOTICE OF APPLICATION

4. NOTICE OF PLANNED OPERATION

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.

WAS CONDUCTED or

(PLEASE ATTACH)

☐ WRITTEN WAIVER BY SURFACE OWNER

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WV Department of Environmental Protection

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

By: Senior Regulatory Analyst Its:

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

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany Woody@swn.com

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 <u>Ayth</u>day of Mau.

My Commission Expires

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.

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WV Department of Environmental Protection

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

Notice Time Requirement: notice shall be provided no later that	n the ming date of permit application.
Date of Notice: Date Permit Application Filed:	au/La
PERMIT FOR ANY CERTIFICATE OF APP	
WELL WORK CONSTRUCTION OF A	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	(b)
☐ PERSONAL ☑ REGISTERED ☐ METHO	OD OF DELIVERY THAT REQUIRES A
	PT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be local oil and gas leasehold being developed by the proposed well work, if described in the erosion and sediment control plan submitted 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 which 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 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 acts overlying the oil and gas leasehold being developed by the proposed uction, 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 at may serve the documents required upon the person described in the eight, article 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	☑ Well Plat Notice is hereby provided to:
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 New Martinsville, WV 26155	Address: 1000 Consol Energy Drive Canonsburg, PA 15317
	COAL OPERATOR
Name:Address:	Name:
. Atta obst	Address:RECEIVED
SURFACE OWNER(s) (Road and/or Other Disturbance)	Office of Oil and Gas
Name:	M SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s) OCT - 3 2019
Name:	Address: WV Department of Environmental Protection
Address:	
OURDA OF OWNERAL A	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name: Address:
Name:	Address:
Address:	*Please attach additional forms if necessary
	riease attach additional forms if necessary

WW-6A (8-13)

RECEIVED Office of Oil and Gas

API NO. 47-0514 7 05 02284

OPERATOR WELL NO. Shawn Harlan MSH 10H. Well Pad Name: Shawn Harlan MSH

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Notice is hereby given:

WV Department of
Environmental Protection
Environmental Protection 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/oiland-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 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47-05 7 0 5 0 2 2 8 4
OPERATOR WELL NO. Shawn Harlan MSH 10H

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:

Office of Oil and Gas

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

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WV Department of Environmental Protection

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

WW-6A (8-13) API NO. 47-051 4-7 05 0 2 2 8 4 OPERATOR WELL NO. Shawn Harlan MSH 10H

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.

Office of Oil and Gas

OCT = 3 2019

Environmental Protection

WW-6A (8-13)

API NO. 47-051 4-7 05 02 2 8 4
OPERATOR WELL NO. Shawn Harlan MSH 210H
Well Pad Name: Shawn Harlan MSH

Notice is hereby given by:

Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610 Email: Brittany_Woody@swn.com Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

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

NGIARY 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 24 hday of May 2019.

Subscribed and sworn before me this 24 hday of May 2019.

Notary Public My Commission Expires

Office of Oil and Gas

OCT - 3 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		Notice shall be pro			ys but no more tha	n FORTY-FIV	E (45) days prior to
Date of No			nned Entry: 5/14/20				
Delivery m	ethod pursuant	to West Virginia C	ode § 22-6A-10a				
☐ PERSO	ONAL III	REGISTERED	☐ METHOD	OF DEL	LIVERY THAT RE	EQUIRES A	
SERV		MAIL			NATURE CONFIR		
on to the sur but no more beneath suc owner of mi and Sedime Secretary, w	rface tract to con than forty-five of the tract that has fi inerals underlyin nt Control Manu which statement s	duct any plat survey days prior to such en iled a declaration pu g such tract in the co	s required pursuant try to: (1) The surfarsuant to section this punty tax records. The and rules related to of information, include	to this and to the to this and the total and ga	rticle. Such notice or of such tract; (2) orticle six, chapter to e shall include a st s exploration and p	shall be provide to any owner o wenty-two of the atement that co production may	notice of planned entry ed at least seven days r lessee of coal seams his code; and (3) any pies of the state Erosion be obtained from the etary's web site, to
Notice is he	ereby provided t	to:					
■ SURFA	ACE OWNER(s)		[COA	L OWNER OR LE	SSEE	
Name: Shaw	n D. Harlen & Scott L. F	Harlan	_		Leatherwood, Inc. Attn: C		
Address: H			_	Address: \1000 Consol Energy Drive			
New Martinsville	717 111 111 111 111	1	<u>C</u>	anonsburg,	PA 15317		
Name:			- 6	I MONI	ERAL OWNER(s)		
Address: _					awn D. Harlen & Scott L. H		
Name:					HC 60, Box 300	digii	
					ille, WV 26155		
			*F	lease attac	h additional forms if ne	cessary	
Pursuant to a plat survey State: County:	y on the tract of I West Virginia Marshall		Appr Publi	ox. Latit c Road A	ude & Longitude:	39.733900, -80.623 Greenfield Road	
District:	Liberty			rshed:		Fish Creek/Upper I	Fish Creek
Quadrangle:	Littleton		Gene	rally use	d farm name:	Shawn Harlan	
may be obta Charleston, obtained fro Notice is h	ined from the Se WV 25304 (304 m the Secretary ereby given by	cretary, at the WV I 4-926-0450). Copies by visiting <u>www.der</u> y:	Department of Envir of such documents p.wv.gov/oil-and-ga	onmenta or addit s/pages/o	al Protection headq ional information r default.aspx.	uarters, located elated to horizo	oration and production at 601 57 th Street, SE, ontal drilling may be Office of Oil and Ga OCT - 3 2019
	Well Operator: SWN PRODUCTION COMPANY, LLC			dress:	1300 Fort Pierpont, Dr.,		NCT ~
Telephone:	304-884-1610				Morgantown, WV 26508		3 2019
Email:	brittany_woody@	@swn.com	Fac	simile:	304-884-1690		En W Dan-
Oil and Ga	as Privacy Not	ice:					Environmental Protectio
						shone number,	as part of our regulatory 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		ement: Notice shall be prov		ys but no more th	an FORTY-FIV	VE (45) days prior to		
Date of No	otice: 5/7/20	Date of Plan	ned Entry: 5/14/2019					
Delivery n	nethod pu	rsuant to West Virginia Co	ode § 22-6A-10a					
□ PERS	SONAL	REGISTERED	☐ METHOD OF DEI	IVERY THAT R	LEQUIRES A			
SERV		MAIL	RECEIPT OR SIGN					
on to the st but no more beneath su owner of n and Sedim Secretary,	urface trace than fort ch tract that ninerals un ent Contro which stat	ginia Code § 22-6A-10(a), It to conduct any plat surveys y-five days prior to such enter that filed a declaration purderlying such tract in the coll Manual and the statutes and ement shall include contact or or to obtain copies from the	s required pursuant to this a try to: (1) The surface owne suant to section thirty-six, a unty tax records. The notic d rules related to oil and ga information, including the a	ticle. Such notice r of such tract; (2) rticle six, chapter e shall include a s s exploration and	e shall be provide to any owner of twenty-two of to statement that co production may	ed at least seven days or lessee of coal seams his code; and (3) any opies of the state Erosion be obtained from the		
Notice is h	ereby pro	vided to:						
☐ SURF	ACE OW	NER(s)	☐ COA	L OWNER OR L	ESSEE			
			Name:					
Address:			Address:					
Name:					-			
Address:			■ MIN	ERAL OWNER(s	(3)			
				Name: Mary Lou Kittelberger				
Name:				3655 Durham Drive				
Address.			*nlease attac	Norton, OH 42203 *please attach additional forms if necessary				
	West Vir	ginia Code § 22-6A-10(a), r ract of land as follows: ginia		ude & Longitude:				
District:	Liberty				Fish Creek/Upper	Fish Creek		
Quadrangl	e: Littleton		Generally use	d farm name:	Shawn Harlan			
may be obtoocharleston obtained from Notice is Well Open.	tained from , WV 253 om the Sec hereby gi ator: SWN	PRODUCTION COMPANY, LLC	Department of Environments of such documents or addit	Il Protection head- ional information default.aspx.	quarters, located related to horize r., Suite 201	I at 601 57th Street, SE, ontal drilling may be Office RECEIVED OCT		
Telephone		84-1610	Passimilar	Morgantown, WV 265	08	En. WVD 2019		
Email:	brittar	у_woody@swn.com	Facsimile:	304-884-1690		Tivironmental ment		
The Office duties. Yo needed to appropriate	of Oil and ur persona comply v ely secure	cy Notice: I Gas processes your person I information may be disclivith statutory or regulatory your personal information. Officer at depprivacyofficer	osed to other State agencies requirements, including If you have any questions a	s or third parties Freedom of Info	in the normal ormation Act re	course of business or as equests. Our office will		

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 le	ast SEVEN (7) day	ys but no more tha	n FORTY-FIVE (45) da	ays prior to		
entry	e: 5/7/2019	Date of Plan	nned Ent	ry: 5/14/2019					
Date of Hota	.e. <u></u>	Date of I tal	med Lite	.,					
Delivery met	hod pursuant	to West Virginia C	ode § 22-	6A-10a					
☐ PERSON	NAL 🔳	REGISTERED		METHOD OF DEL	IVERY THAT RE	EQUIRES A			
SERVIC		MAIL	R	ECEIPT OR SIGN	NATURE CONFIR	MATION			
on to the surfa- but no more the beneath such owner of min- and Sediment Secretary, wh	ace tract to con- han forty-five of tract that has fi erals underlying Control Manu- ich 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: (1) rsuant to s ounty tax i and rules re information	I pursuant to this ar The surface owner ection thirty-six, ar records. The notice elated to oil and gas on, including the ac	ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of partial be provided at least to any owner or lessee of wenty-two of this code; attement that copies of the roduction may be obtain age on the Secretary's we	f coal seams f coal seams and (3) any e state Erosion ed from the		
Notice is her	eby provided t	0:							
☐ SURFAC	CE OWNER(s)			☐ COAL	L OWNER OR LE	SSEE			
			_	Name:		<u> </u>			
Address:				Address:	Address:				
Name:			-57						
Address:			_		ERAL OWNER(s)				
				Name: Bebra A. Likavec					
					52 Claremont Dr				
Address:			-	*please attach additional forms if necessary					
	est Virginia Con the tract of I West Virginia Marshall	ode § 22-6A-10(a), r and as follows:		Approx. Latiti Public Road A Watershed:	ude & Longitude: Access:	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan			
Quadrangie:	Littleton			Generally used farm name: Shawn Harlan					
may be obtain Charleston, W obtained from	ned from the Se VV 25304 (304 the Secretary	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u>	Departments of such of	nt of Environmenta locuments or additi	Il Protection headq ional information r	il and gas exploration an uarters, located at 601 57 elated to horizontal drill	7 th Street, SE, ing may be		
Notice is he Well Operato	reby given by			Address:	1300 Fort Plemont Dr	Suite 201	Office of Oi		
Well Operator: SWN PRODUCTION COMPANY, LLC Telephone: 304-884-1610				Address: 1300 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508					
Email:	brittany_woody@	2swn.com		Facsimile:	304-884-1690		3		
	Privacy Not						WV Departmental p		
The Office of duties. Your	Oil and Gas propersonal inform	rocesses your person nation may be discl	losed to o	ther State agencie	s or third parties i	phone number, as part of in the normal course of mation Act requests. C	business or as		

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 F	lequirement: 1	Notice shall be prov	ided at le	ast SEVEN (7) days	s but no more than	FORTY-FIVE (45)	days prior to
ntry Date of Notice	- 5/7/2019	Date of Plan	ned Ent	ry: 5/14/2019			
Delivery meth	od pursuant t	o West Virginia C	ode g 22-	0A-10a			
PERSON	AL I	REGISTERED		METHOD OF DELI			
SERVICE		MAIL	R	ECEIPT OR SIGNA	ATURE CONFIR	MATION	
on to the surfaction to the surfaction more the peneath such towner of mine and Sediment Secretary, whi	ce tract to cond an forty-five da act that has file rals underlying Control Manua ch statement sh	uct any plat survey, ays prior to such en- ed a declaration pur- such tract in the co I and the statutes ar	s required try to: (1) suant to s ounty tax i ind rules re information	The surface owner ection thirty-six, art records. The notice lated to oil and gas on, including the ad	icle. Such notice so of such tract; (2) to icle six, chapter to shall include a state exploration and properties.	shall provide notice of hall be provided at leason any owner or lessee wenty-two of this code itement that copies of roduction may be obta- ige on the Secretary's	of coal seams e; and (3) any the state Erosion lined from the
lotice is here	by provided to):					
SURFAC	E OWNER(s)			☐ COAL	OWNER OR LE	SSEE	
Address:				Address:			
			_				
Vame:				III MONTO	RAL OWNER(s)		
				Address #	F. Hammers 3 Squire Valley Road		
Address:				Barboursville, V			
			_	*please attach	additional forms if ne	cessary	
Notice is her Pursuant to W is plat survey of State: County: District:	est Virginia Co n the tract of la West Virginia Marshall	de § 22-6A-10(a), i and as follows:			de & Longitude:	operator is planning 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek	
	Littleton			Generally used	farm name:	Shawn Harlan	
may be obtain Charleston, W obtained from Notice is her	ed from the Sec V 25304 (304- the Secretary be eby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u>	Department of such of	nt of Environmental documents or additi oil-and-gas/pages/d	Protection headque on al information refault.aspx.	il and gas exploration uarters, located at 601 elated to horizontal dr	57" Street, SE, illing may be
Well Operator	Tr. Ca. Ca. Canadan and Ca.	TON COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,		0CT - 3 20
Telephone:	304-884-1610	Security 1		Eassimile	Morgantown, WV 26508		4 00
Email:	brittany_woody@	swn.com		Facsimile:	304-884-1690		Environ Departs
Oil and Gas	Privacy Noti	ce:					Environmental Prote
The Office of duties. Your p needed to co	Oil and Gas propersional information of the contract of the co	ocesses your person action may be discitutory or regulator	losed to o	other State agencies ments, including F	or third parties if	ohone number, as part in the normal course mation Act requests. ur personal information	of business or as Our office will

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

	ce: 5/7/2019		ned Entry: 5/14/2019		n FORTY-FIVE (45) days prior to
		- 10 M			
Delivery me	thod pursuant to	o West Virginia Co	de § 22-6A-10a		
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DEL	LIVERY THAT RI	EQUIRES A
SERVIC	Œ	MAIL	RECEIPT OR SIGN	NATURE CONFIF	RMATION
n to the surf ut no more to eneath such wner of min nd Sedimen ecretary, when able the su	ace tract to cond han forty-five da tract that has file erals underlying t Control Manual fich statement sh rface owner to ol	uct any plat surveys tys prior to such entre ed a declaration purs such tract in the coul and the statutes and all include contact in otain copies from the	required pursuant to this as ry to: (1) The surface owner suant to section thirty-six, a unty tax records. The notice of rules related to oil and gas information, including the a	rticle. Such notice or of such tract; (2) orticle six, chapter t e shall include a st s exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any atement that copies of the state Erosic production may be obtained from the age on the Secretary's web site, to
lotice is her	eby provided to	•			
☐ SURFA	CE OWNER(s)		□ COA	L OWNER OR LE	ESSEE
Name:					
Address:			Address:		
Name:				Date by North Ci	
Address:			III MINI	ERAL OWNER(s)	
Tantai				ck R. Hammers	
vame:		-	Address: Wheeling WW	165 Oakmont Road	
radioss.			*please attac	h additional forms if ne	ecessary
		de 8 22 64 10(a) n	otice is hereby given that th	ne undersigned wel	l operator is planning entry to conduc
a plat survey State: County:	Vest Virginia Coo on the tract of la West Virginia Marshall	nd as follows:	Public Road A		39.733900, -80.623393 Greenfield Road
Pursuant to Varplat survey State: County: District:	Vest Virginia Coo on the tract of la West Virginia Marshall	nd as follows:	Public Road A Watershed:	Access:	Greenfield Road Fish Creek/Upper Fish Creek
Pursuant to V a plat survey State: County: District:	Vest Virginia Coo on the tract of la West Virginia Marshall	nd as follows:	Public Road A Watershed:		Greenfield Road
Pursuant to Var plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained from	Vest Virginia Coon the tract of last West Virginia Marshall Liberty Littleton state Erosion and the Sective 25304 (304-1) and the Secretary by the Secretary by the section of the Secretary by	d Sediment Control retary, at the WV Do 926-0450). Copies of y visiting www.dep.	Public Road A Watershed: Generally use Manual and the statutes an epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/e	Access: ed farm name: d rules related to o al Protection headq ional information r	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan il and gas exploration and production uarters, located at 601 57th Street, SE, related to horizontal drilling may be
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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 provi	ided at least SEVEN (7) day	s but no more than	1 FORTY-FIVE (45) da	ys prior to		
entry Date of Notice	e: 5/7/2019 Date of Plan	ned Entry: 5/14/2019					
Delivery met	hod pursuant to West Virginia Co	de § 22-6A-10a					
☐ PERSON	NAL REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	QUIRES A			
SERVIC		RECEIPT OR SIGN	ATURE CONFIR	MATION			
on to the surfa but no more the beneath such owner of min and Sediment Secretary, wh	Vest Virginia Code § 22-6A-10(a), Pace tract to conduct any plat surveys han forty-five days prior to such entiract that has filed a declaration purserals underlying such tract in the concountries. Control Manual and the statutes and ich statement shall include contact if face owner to obtain copies from the	required pursuant to this ar ry to: (1) The surface owner suant to section thirty-six, an unty tax records. The notice d rules related to oil and gas information, including the ac	ticle. Such notice s of such tract; (2) the ticle six, chapter to shall include a state exploration and particular	shall be provided at least to any owner or lessee of wenty-two of this code; a atement that copies of the roduction may be obtained	seven days Coal seams and (3) any e state Erosion ed from the		
Notice is her	eby provided to:						
C SURFACE	CE OWNER(s)	□ coai	OWNER OR LE	SSEE			
Name:	SE O WINEIN(5)		Name:				
Address:		Address:					
Name:		■ MINE	ERAL OWNER(s)				
		7	ert Dale Furbee				
			759 Summit Circle SE				
Address:		Canton, OH 4	720				
		*please attac	h additional forms if ne	cessary			
a plat survey	Vest Virginia Code § 22-6A-10(a), non the tract of land as follows:			operator is planning ent 39.733900, -80.623393	ry to conduct		
State: County:	West Virginia Marshall	Dublis Dood	and the second s	Greenfield Road			
District:	Marshall Liberty		100033.	Fish Creek/Upper Fish Creek			
Quadrangle:	Littleton	Generally use	d farm name:	Shawn Harlan			
Copies of the may be obtain Charleston, V obtained from	state Erosion and Sediment Control and from the Secretary, at the WV DV 25304 (304-926-0450). Copies the Secretary by visiting www.dep	epartment of Environmenta of such documents or addit .wv.gov/oil-and-gas/pages/o	I Protection headquotenal information r	uarters, located at 601 57	th Street, SE,		
Well Operato	T: SWN PRODUCTION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,	Suite 201	UCT - 3 2010		
Telephone:	304-884-1610		Morgantown, WV 26508	3	140.		
Email:	brittany_woody@swn.com	Facsimile:	304-884-1690		Environment of		
Oil and Gas	Privacy Notice:				WV Department of Environmental Protect		

WW-6A3 (1/12)

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

Requireme	nt: No	otice shall be prov	ided at least	SEVEN (7) day	ys but no more that	n FORTY-FIVE (45) days prior to		
5/7/2019		Date of Plan	ned Entry	5/14/2019				
e. omzota		Date of Fran	ned Entry.	4/3/04/15				
hod pursua	nt to	West Virginia Co	de § 22-6A-	-10a				
NAL	■ R	REGISTERED	□ мет	THOD OF DEL	IVERY THAT RE	EQUIRES A		
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han forty-fir tract that ha erals underl Control Ma ich stateme face owner	conductive day as filed ying s anual a nt shal to obt	ct any plat surveys ys prior to such ent d a declaration pur- such tract in the co- and the statutes an ill include contact it tain copies from th	required pury to: (1) The suant to section ty tax record rules related information,	rsuant to this are surface owner ion thirty-six, and ords. The noticed to oil and gas	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 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 roduction may be obtained from the	1	
eby provide	ed to:							
CE OWNER	(s)			☐ COAL	L OWNER OR LE	SSEE		
				Name:				
				Address:				
				MINE MINE	ERAL OWNER(s)			
					1			
				Address:	1205 Clearmount Ave. SE			
				- 100 C I C I C I C I F				
		11-				cessary		
est Virginia	i: a Code	e § 22-6A-10(a), n	otice is herel	by given that th	ne undersigned wel	l operator is planning entry to conduct		
Liberty	of land	d as follows:		Public Road A Watershed:		39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek	-	
West Virginia Marshall	of land			Public Road A	Access:	39.733900, -80.623393 Greenfield Road	=======================================	
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	NAL Vest Virginia ace tract to a than forty-fit tract that ha erals underl t Control Ma ich stateme rface owner eby provide CE OWNER	West Virginia Codace tract to conduct that has filed erals underlying stract that the statement sharface owner to obtain the company of the c	thod pursuant to West Virginia Connact REGISTERED MAIL West Virginia Code § 22-6A-10(a), Place tract to conduct any plat surveys than forty-five days prior to such entitract that has filed a declaration pursuals underlying such tract in the cost Control Manual and the statutes and ich statement shall include contact in race owner to obtain copies from the beby provided to: CE OWNER(s) Treby given: West Virginia Code § 22-6A-10(a), no	thod pursuant to West Virginia Code § 22-6A-NAL REGISTERED REC MAIL REC West Virginia Code § 22-6A-10(a), Prior to filing face tract to conduct any plat surveys required pursuant forty-five days prior to such entry to: (1) The tract that has filed a declaration pursuant to sective that the filed and the statutes and rules related in the county tax record to control Manual and the statutes and rules related in the statement shall include contact information, are owner to obtain copies from the secretary. The provided to: The p	West Virginia Code § 22-6A-10(a), Prior to filing a permit applicate tract to conduct any plat surveys required pursuant to this at than forty-five days prior to such entry to: (1) The surface owner tract that has filed a declaration pursuant to section thirty-six, a terals underlying such tract in the county tax records. The notice to Control Manual and the statutes and rules related to oil and gath and ich statement shall include contact information, including the arrace owner to obtain copies from the secretary. The provided to: The code of the county tax records. The notice is provided to: The code of the county tax records. The county tax records. The notice is provided to: The code o	thod pursuant to West Virginia Code § 22-6A-10a NAL	NAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry ace tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days han forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any erals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion to Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the lich statement shall include contact information, including the address for a web page on the Secretary's web site, to reface owner to obtain copies from the secretary. BY COAL OWNER OR LESSEE Name: Address: MINERAL OWNER(s) Name: Howard Ray Furbee Address: MINERAL OWNER(s) Name: Howard Ray Furbee Address: MINERAL OWNER(s) North Canton, OH 44720 *please attach additional forms if necessary	

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

	Requirement:	Notice shall be provi	ided at least SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to
entry Date of Noti	CP: 5/7/2019	Date of Plan	ned Entry: 5/14/2019		
				_	
Delivery me	thod pursuant	to West Virginia Co	ode § 22-6A-10a		
☐ PERSC	NAL	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	QUIRES A
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on to the sur but no more beneath such owner of min and Sedimer Secretary, we enable the su	face tract to cond than forty-five of tract that has finerals underlying t Control Manual hich statement surface owner to con	duct any plat surveys lays prior to such ent led a declaration purs g such tract in the cor al and the statutes an hall include contact in obtain copies from the	s required pursuant to this art try to: (1) The surface owner suant to section thirty-six, ar unty tax records. The notice d rules related to oil and gas information, including the ac-	ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a state exploration and pro-	shall provide notice of planned entry hall be provided at least seven days o any owner or lessee of coal seams venty-two of this code; and (3) any tement that copies of the state Erosion roduction may be obtained from the ge on the Secretary's web site, to
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				114 Mount View Dr.	
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ursuant to ' plat survey	ereby given: West Virginia Co on the tract of l West Virginia	ode § 22-6A-10(a), n and as follows:	Approx. Latitu	ude & Longitude:	operator is planning entry to conduct 39.733900, -80.623393
ursuant to ' plat survey tate: county:	West Virginia Co on the tract of l	ode § 22-6A-10(a), n and as follows:	Approx. Latitu Public Road A	ude & Longitude:	39.733900, -80.623393 Greenfield Road
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Pursuant to Variates: County: District: Quadrangle: Copies of the may be obtained from	West Virginia Co on the tract of I West Virginia Marshall Liberty Littleton e state Erosion a fined from the Se WV 25304 (304 m the Secretary	and as follows: and Sediment Control ceretary, at the WV E 4-926-0450). Copies by visiting www.dep	Approx. Latite Public Road A Watershed: Generally used I Manual and the statutes and	ude & Longitude: Access: d farm name: d rules related to of l Protection headquional information r	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan If and gas exploration and production parters, located at 601 57 th Street, SE, elated to horizontal drilling may be Office of Oil an
ursuant to value plat survey tate: County: District: Quadrangle: Copies of the may be obtathe charleston, obtained from the control of the co	West Virginia Coon the tract of I West Virginia Marshall Liberty Littleton e state Erosion a fined from the Sew V 25304 (304 m) the Secretary ereby given by	and as follows: and Sediment Control ecretary, at the WV E 1-926-0450). Copies by visiting www.dep	Approx. Latitute Public Road A Watershed: Generally used I Manual and the statutes and Department of Environmenta of such documents or additi	ude & Longitude: Access: d farm name: d rules related to of l Protection headquional information r	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan If and gas exploration and production parters, located at 601 57 th Street, SE, selated to horizontal drilling may be Office of Oil an
tursuant to various plat survey tate: County: District: Quadrangle: Copies of the may be obtather than the control of the cont	West Virginia Coon the tract of I West Virginia Marshall Liberty Littleton e state Erosion a fined from the Sew V 25304 (304 m) the Secretary ereby given by	and as follows: and Sediment Control ceretary, at the WV E 4-926-0450). Copies by visiting www.dep	Approx. Latite Public Road A Watershed: Generally used I Manual and the statutes and Department of Environmental of such documents or additionwy.gov/oil-and-gas/pages/d	ude & Longitude: Access: d farm name: d rules related to of l Protection headquional information rulefault.aspx.	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan If and gas exploration and production parters, located at 601 57 th Street, SE, elated to horizontal drilling may be Office of Oil an OCT - 3 25

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 provi	ded at least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days	s prior to
entry Date of Notic	ce: 5/7/2019	Date of Plan	ned Entry: 5/14/2019			
		to West Virginia Co	de § 22-6A-10a			
□ penco	NIAT III	REGISTERED	☐ METHOD OF DEI	IVEDV THAT DE	FOLURES A	
☐ PERSO		MAIL	RECEIPT OR SIGN			
SERVIC						
on to the surfiction to more to be neath such owner of min and Sediment Secretary, who	ace tract to conc han forty-five d tract that has fil erals underlying t Control Manualich statement si	duct any plat surveys lays prior to such enti led a declaration purs g such tract in the cou al and the statutes and	required pursuant to this a ry to: (1) The surface owner than to section thirty-six, a anty tax records. The notice of rules related to oil and gan information, including the a	rticle. Such notice or of such tract; (2) urticle six, chapter to se shall include a state s exploration and p	r shall provide notice of plashall be provided at least so to any owner or lessee of coventy-two of this code; an atement that copies of the stroduction may be obtained age on the Secretary's web	even days oal seams d (3) any tate Erosion from the
lotice is her	eby provided t	o:				
SURFAC	CE OWNER(s)		☐ COA	L OWNER OR LE	ESSEE	
Address:			Address:	Y		
Vame:				Sec. 20 Carperon and and		
Address:			_ I	ERAL OWNER(s)		
				ner Dean Evans		
Name:			Address	5897 NE 349 HWY		
Address:				sh additional forms if ne	-caccary	
Pursuant to W		ode § 22-6A-10(a), no and as follows:		ne undersigned wel	l operator is planning entry	to conduct
County:	Marshall		D 11' D 1		Greenfield Road	
District:	160		Watershed:		Fish Creek/Upper Fish Creek	
Quadrangle:	Littleton		Generally use	ed farm name:	Shawn Harlan	
nay be obtain Charleston, W	ned from the Se VV 25304 (304	cretary, at the WV De- -926-0450). Copies	epartment of Environmenta	al Protection headq ional information r	il and gas exploration and puarters, located at 601 57 th related to horizontal drilling	Street, SE, g may be
Notice is he	reby given by	r:				Office of Oil and o
Well Operato		TION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.	Suite 201	OCT - 3 2019
Telephone:	304-884-1610			Morgantown, WV 2650		00/ - 3 2010
Email:	brittany_woody@	gswn.com	Facsimile:	304-884-1690		1019
						Environment Department
	Privacy Not		I information, such as nam			Environmental Protect

entry			rided at least SEVEN (7) day	s but no more than	n FORTY-FIVE (45) day	s prior to
Date of Notic	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019			
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a			
□ PERSO	NAI 🗐	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	QUIRES A	
SERVIC	7.40	MAIL	RECEIPT OR SIGN			
on to the surf out no more to beneath such owner of min and Sediment Secretary, when able the sur	ace tract to con han forty-five of tract that has fi erals underlying Control Manu- lich statement surface owner to o	duct any plat survey days 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 applicates required pursuant to this artery to: (1) The surface owner resuant to section thirty-six, arounty tax records. The notice and rules related to oil and gas information, including the address secretary.	ticle. Such notice s of such tract; (2) ticle six, chapter to shall include a state exploration and p	shall be provided at least s to any owner or lessee of o wenty-two of this code; an atement that copies of the roduction may be obtained	even days coal seams id (3) any state Erosion I from the
lotice is her	eby provided t	to:				
☐ SURFAC	CE OWNER(s)			OWNER OR LE		
			Name:			
Address:			Address:			
			1			
Name:				RAL OWNER(s)		
			_	othy Evans, Life Estate		
James				705 Lake Bess Rd, Lot #6	676	
Address:						
			*please attach	additional forms if ne	cessary	
Pursuant to V a plat survey State: County:	on the tract of l West Virginia	ode § 22-6A-10(a), 1 land as follows:	Public Road A	ide & Longitude:	39,733900, -80.623393 Greenfield Road	
District:	Liberty				Fish Creek/Upper Fish Creek	
Quadrangle:	Littleton		Generally used	d farm name:	Shawn Harlan	
nay be obtai Charleston, V obtained from	ned from the Se VV 25304 (304	ecretary, at the WV I 4-926-0450). Copies by visiting <u>www.de</u> p	ol Manual and the statutes and Department of Environmental s of such documents or additi p.wv.gov/oil-and-gas/pages/d	I Protection headq onal information r	uarters, located at 601 57th	Street, SE,
Well Operato		TION COMPANY, LLC	Address:	1300 Fort Pierpont, Dr.,	Suite 201	of Oil ar
relephone:	304-884-1610	TION COMPANY, LEC	11001000	Morgantown, WV 26508		OCT - 3 20
Email:	brittany_woody(@swn.com	Facsimile:	304-884-1690		- 3 20
	z.many_moday(Environmental Protessor regulatory
Oil and Ga	s Privacy Not	tice:				mental Prote
The Office of	Oil and Gas pr	rocesses your person	nal information, such as name	e, address and telep	phone number, as part of o	
duties. Your	personal inform	mation may be discl	losed to other State agencies	s or third parties i	in the normal course of b	ousiness 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.	Troube share as pre-	vided at least SEVEN (7) days but no more that	
entry	ce: 5/7/2019	Date of Plan	nned Entry: 5/14/2019	
Date of Notic	Ge. <u>37772313</u>	Date of Fian	aned Ditty.	
Delivery met	thod pursuant	to West Virginia C	ode § 22-6A-10a	
☐ PERSO	NAL I	REGISTERED	☐ METHOD OF DELIVERY THAT RE	EQUIRES A
SERVIC	Œ	MAIL	RECEIPT OR SIGNATURE CONFIR	RMATION
on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the sur	ace tract to con han forty-five of tract that has fi erals underlyin t Control Manu nich statement s rface owner to	duct any plat surveys days prior to such entitled a declaration pur- ig such tract in the co- al and the statutes and shall include contact obtain copies from the	Prior to filing a permit application, the operators 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 the tax records. The notice shall include a stand rules related to oil and gas exploration and prinformation, including the address for a web prine secretary.	shall be provided at least seven days to any owner or lessee of coal seams twenty-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	ESSEE
			Name:	
Address:				
Name:				
Address:				
			Names Donna K. Allen	
Name:			Names Donna K. Allen Address: 16085 Galehouse Road	
Name:			Names Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230	
Name:			Names Donna K. Allen Address: 16085 Galehouse Road	
Name:Address: Notice is he Pursuant to W a plat survey State: County:	reby given: Vest Virginia C on the tract of West Virginia Marshall	ode § 22-6A-10(a), r land as follows:	Name: Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230 *please attach additional forms if no notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access:	ecessary Il operator is planning entry to conduct 39,733900, -80,623393 Greenfield Road
Name:Address: Notice is he Pursuant to W a plat survey State: County: District:	reby given: Vest Virginia C on the tract of West Virginia Marshall Liberty	ode § 22-6A-10(a), r land as follows:	Name: Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230 *please attach additional forms if no notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed:	Il operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road
Name:Address: Notice is he Pursuant to W a plat survey State: County:	reby given: Vest Virginia C on the tract of West Virginia Marshall	ode § 22-6A-10(a), r land as follows:	Name: Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230 *please attach additional forms if no notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access:	Il operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road
Name:Address: Notice is he Pursuant to W a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained from	reby given: Vest Virginia Con the tract of West Virginia Marshall Liberty Littleton state Erosion and from the Se	and Sediment Contro ecretary, at the WV I 4-926-0450). Copies by visiting www.dep	Names Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230 *please attach additional forms if no notice is hereby given that the undersigned well Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to of possible properties of Environmental Protection heading of such documents or additional information to the powy.gov/oil-and-gas/pages/default.aspx.	Bl operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan Office of Oil and and production quarters, located at 601 57th Street, SE,
Notice is he Pursuant to W plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained from	reby given: Vest Virginia Con the tract of West Virginia Marshall Liberty Littleton state Erosion and from the Servy 25304 (304) the Secretary	and Sediment Contro ecretary, at the WV I 4-926-0450). Copies by visiting www.dep	Names Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230 *please attach additional forms if no 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 of pepartment of Environmental Protection headque of such documents or additional information in	Bl operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan Office of Oil and and production puarters, located at 601 57th Street, SE, related to horizontal drilling may be Environmental Protect
Notice is he Pursuant to W plat survey State: County: District: Quadrangle: Copies of the nay be obtain Charleston, V obtained from	reby given: Vest Virginia Con the tract of West Virginia Marshall Liberty Littleton state Erosion and from the Servy 25304 (304) the Secretary	and Sediment Controlecretary, at the WV Industrial by visiting www.der	Names Donna K. Allen Address: 16085 Galehouse Road Doylestown, OH 44230 *please attach additional forms if no notice is hereby given that the undersigned well Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to of possible properties of Environmental Protection heading of such documents or additional information to the powy.gov/oil-and-gas/pages/default.aspx.	Bl operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan Office of Oil and and production quarters, located at 601 57th Street, SE, related to horizontal drilling may be Environmental Protect Suite 201

WW-6A3 (1/12)

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

County: Marshall Public Road Access: Green District: Liberty Watershed: Fis Quadrangle: Littleton Generally used farm name: Shall Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarted Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suited Telephone: 304-884-1610 Morgantown, WV 26508	FORTY-FIVE (45) days prior to
Delivery method pursuant to West Virginia Code § 22-6A-10a Personal	
PERSONAL REGISTERED MAIL RECEIPT OR SIGNATURE CONFIRMA Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator sha on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to as beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twen owner of minerals underlying such tract in the county tax records. The notice shall include a statem and Sediment Control Manual and the statutes and rules related to oil and gas exploration and produce remails the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: State: Vest Virginia County: Marshall District; Liberty Marshall Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and produce a state produce a state of the state to oil and gas exploration and produce and plat survey on the grant plate of the state to oil and gas exploration and produce and plate survey on the grant plate of the state to oil and gas exploration and produce and plate of the grant plate of the state to oil and gas exploration and plate of the state to oil and gas exploration and plate of the state to oil and gas exploration and plate of the state to oil and gas exploration and plate of the state to oil and gas exploration and ga	
Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shap to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to an open than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to an open than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to an open than to more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to an open the such tract that has filed a declaration pursuant to section thirty-six, article six, chapter the open the prior to such tract; (2) to an open the surface owner of other tracts in the county tax records. The notice shall include a stater and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production and production that the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Address: Approx. Latit	
Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator sha on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) toe beneath such tract that has filed a declaration pursuant to section thirty-six, article six, charles to we have owner of minerals underlying such tract in the county tax records. The notice shall include a statem and Sediment Control Manual and the statutes and rules related to oil and gas exploration and produse ceretary, which statement shall include contact information, including the address for a web page cenable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: Generally used farm name: Copies of the state Erosion and Sediment Co	UIRES A
Into the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to an eneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twen owner of minerals underlying such tract in the county tax records. The notice shall include a statem owner of minerals underlying such tract in the county tax records. The notice shall include a statem and Secretary, which statement shall include contact information, including the address for a web page of the statement shall include contact information, including the address for a web page of the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Name: Address: Name: Address: Name: Address: Name: Address: Name: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: State: Vest Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: State: Vest Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: Approx. Latitude & Longitude: State: Vest Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: Approx. Latitude & Longitude: State: Vest Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: Generally used farm name: Shall County: Marshall Public Road Access: Generally used farm name: Shall County: Swall Code is hereby given by: Well Operator: Swall Robertor Swall Robertor Swall Company, LLC Address: 1300 Fort Pierpont, Dr., Suite Morgantown, WV 26508	ATION
SURFACE OWNER(s) Name: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well ope a plat survey on the tract of land as follows: State: Notice is west Virginia County: Marshall Public Road Access: Quadrangle: Littleton Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarts Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information relations obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Morganiown, WV 26508	all be provided at least seven days any owner or lessee of coal seams enty-two of this code; and (3) any ement that copies of the state Erosion duction may be obtained from the
Name: Address: Name: Address: Name: Address: Name: Address: Name: Address: Address: Address: Address: Address: Address: A	
Address: Name: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open a plat survey on the tract of land as follows: State: Vest Virginia County: Marshall Public Road Access: Gradistrict: Liberty Quadrangle: Littleton Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarted Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related betained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Morgantown, WV 26508	
Address: MINERAL OWNER(s)	
Name: MINERAL OWNER(s) Name: Michael P. Bonacich Address: Madress: Mest Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: Madress: M	
Address: Mineral Owner(s)	
Name:	
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39. County: Marshall Public Road Access: Graph Watershed: Fish Quadrangle: Littleton Generally used farm name: Shapping of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarted Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related betained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Telephone: 304-884-1610 Dover, AR 72837 *please attach additional forms if necesses Approx. Latitude & Longitude: 39. Generally used Access: Graph Generally used farm name: Shapping Shappin	
*please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operation on the tract of land as follows: Approx. Latitude & Longitude: Approx. Latitude & Longitude: State: West Virginia Approx. Latitude & Longitude: State: West Virginia Public Road Access: Gravitation Generally used farm name: Shart Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquart Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information relative betained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Morgantown, WV 26508	
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Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well open plat survey on the tract of land as follows: Intate: West Virginia Approx. Latitude & Longitude: 39. County: Marshall Public Road Access: Graph Watershed: Fist Watershe	Saly
County: Marshall Public Road Access: Grounty: Liberty Watershed: Fis Quadrangle: Littleton Generally used farm name: Shall Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarts Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related betained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Telephone: 304-884-1610 Morgantown, WV 26508	perator is planning entry to conduct
District: Liberty Watershed: Fis Generally used farm name: Shadarangle: Littleton Generally used farm name: Shadarangle: Littleton Generally used farm name: Shadarangle: Opies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarte Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related by the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Celephone: 304-884-1610 Morgantown, WV 26508	Greenfield Road
Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and may be obtained from the Secretary, at the WV Department of Environmental Protection headquarts Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: swn PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Celephone: 304-884-1610 Morgantown, WV 26508	ish Creek/Upper Fish Creek
Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Telephone: 304-884-1610 Morgantown, WV 26508	shawn Harlan
Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Telephone: 304-884-1610 Morgantown, WV 26508	and gas exploration and production reers, located at 601 57th Street, SELCT - 3 20 Environmental Prote
Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite Telephone: 304-884-1610 Morgantown, WV 26508	-"mental Prote
Telephone: 304-884-1610 Morgantown, WV 26508	ile 201
Postulia and and	No. Bay 1
Email: brittany woody@swn.com Facsimile: 304-884-1690	
Email: britany_woody@swn.com Pacsimile: 304-884-1690	

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

		Requirement:	Notice shall be prov	rided at least SEVEN (7) days but no more than FORTY-FIVE (45) days	prior to
Date	y e of Notice	5/7/2019	Date of Plan	nned Entry: 5/14/2019	
Deli	very meth	od pursuant	to West Virginia C	ode § 22-6A-10a	
П	PERSON	AT.	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A	
	SERVICE	100	MAIL	RECEIPT OR SIGNATURE CONFIRMATION	
on to but r bene own and s Secr enab	o the surface no more the eath such the er of mine Sediment (retary, which ble the surf	ce tract to cond 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 en- led a declaration pur- g such tract in the co- al and the statutes and hall include contact obtain copies from the	Prior to filing a permit application, the operator shall provide notice of plans required pursuant to this article. Such notice shall be provided at least severy to: (1) The surface owner of such tract; (2) to any owner or lessee of consuant to section thirty-six, article six, chapter twenty-two of this code; and munty tax records. The notice shall include a statement that copies of the state of trules related to oil and gas exploration and production may be obtained information, including the address for a web page on the Secretary's web see secretary.	ven days al seams (3) any ate Erosion from the
		by provided t	0;		
		E OWNER(s)		COAL OWNER OR LESSEE	
Nam	ne:			Name:	
Add					
Nam					
Add	ress:			MINERAL OWNER(s)	
				Name: "Qebbie Elliott	
Nam	ne:			Address: 6057 Camden Ave.	
Add	ress:			San Jose, CA 95124 *please attach additional forms if necessary	
-				- please attach additional forms in necessary	
Noti	ice is her	eby given:	ode § 22-6A-10(a), r	notice is hereby given that the undersigned well operator is planning entry t	e van dona
a pla State	at survey o		and as follows:	Approx, Latitude & Longitude: 39.733900, -80.623393 Public Road Access: Greenfield Road	o conduct
a pla State Cour	nt survey of e: nty:	n the tract of la West Virginia Marshall		Public Road Access: Greenfield Road Watershed: Fish Creek/Upper Fish Creek	o conduct
a pla State Cour Distr	nt survey of e: nty: rict:	n the tract of la West Virginia Marshall	and as follows:	Public Road Access: Greenfield Road	o conduct
a pla State Cour Distr Quae Copi may Char obta	at survey of the	n the tract of la West Virginia Marshall Liberty Littleton tate Erosion and of from the Set V 25304 (304)	and as follows: nd Sediment Controceretary, at the WV E-926-0450). Copies by visiting www.dep	Public Road Access: Greenfield Road Watershed: Fish Creek/Upper Fish Creek	roduction treet, SE,
a pla State Cour Distr Quae Copi may Char obta	at survey of the	m the tract of la West Virginia Marshall Liberty Littleton tate Erosion and from the Set V 25304 (304) the Secretary la eby given by	and as follows: nd Sediment Controceretary, at the WV E-926-0450). Copies by visiting www.dep	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and propertment of Environmental Protection headquarters, located at 601 57th Sof such documents or additional information related to horizontal drilling	roduction treet, SE,
a pla State Cour Distr Quae Copi may Char obta Noti	at survey of a sur	m the tract of la West Virginia Marshall Liberty Littleton tate Erosion and from the Set V 25304 (304) the Secretary la eby given by	and as follows: and Sediment Control cretary, at the WV E -926-0450). Copies by visiting www.dep	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and proper properties of such documents or additional information related to horizontal drilling to two, gov/oil-and-gas/pages/default.aspx.	roduction treet, SE,

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

Notice Time	Requirement:	Notice shall be prov	ded at least SEVEN (7) da	ys but no more that	n FORTY-FIVE (45) days prior to
Date of Noti	ce: 5/7/2019	Date of Plan	ned Entry: 5/14/2019		
Delivery me	thod pursuant	to West Virginia C	de § 22-6A-10a		
☐ PERSO	NAI.	REGISTERED	☐ METHOD OF DE	IVERY THAT RE	EQUIRES A
SERVIC		MAIL	RECEIPT OR SIG		
on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the su	ace tract to cond han forty-five d tract that has fil erals underlying t Control Manualich statement si rface owner to con	duct any plat surveys 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	required pursuant to this a y to: (1) The surface owner uant to section thirty-six, a unty tax records. The notic is rules related to oil and gan information, including the	rticle. Such notice s r of such tract; (2) 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 attement that copies of the state Erosion troduction may be obtained from the age on the Secretary's web site, to
	eby provided t		П		and the second
	CE OWNER(s)			L OWNER OR LE	
Name:					
Address:				-	
Name:					
Address:			TE TATIA	ERAL OWNER(s)	
			Name: Pa	ty D. Jefferson	
Name:			Address	PO Box 471275	
Address:			Lake Monroe		
			*please attac	h additional forms if ne	cessary
Pursuant to V a plat survey State: County:	on the tract of la West Virginia Marshall	and as follows:	Approx. Lati	ude & Longitude:	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek
District: Quadrangle:			11,610,000,00	ed farm name:	Shawn Harlan
Quadrangic.	Littleton			d furth humo.	THE STATE OF THE S
may be obtain Charleston, Vobtained from Notice is he	ned from the Se VV 25304 (304 the Secretary b reby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u>	epartment of Environment	al 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
the state of the s	304-884-1610		Q 1/20000000	Morgantown, WV 26508	
l'elephone:					
Telephone: Email:	brittany_woody@	Dewn com	Facsimile:	304-884-1690	

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

	Requirement: Notice sha	all be provided at least SI	EVEN (7) day	ys but no more than	n FORTY-FIVE (45) days prior to
entry Date of Notice	5/7/2019 Do	ite of Planned Entry: 5/	14/2019		
Date of Nouce	. unzoto Da	ite of Flanned Entry.			
Delivery meth	od pursuant to West Vi	irginia Code § 22-6A-1	0a		
PERSON	AL REGISTE	ERED	IOD OF DEL	IVERY THAT RE	QUIRES A
SERVICE		RECE	PT OR SIGN	NATURE CONFIR	MATION
on to the surfactor to more the coneath such to where of mine and Sediment Secretary, while the surfactor to	ce tract to conduct any plan forty-five days prior to ract that has filed a declar rals underlying such tract Control Manual and the such statement shall include ace owner to obtain coping.	lat surveys required purs to such entry to: (1) The stration pursuant to section t in the county tax record statutes and rules related the contact information, in	uant to this ar surface owner n thirty-six, ar ds. The notice to oil and gas	ticle. Such notice s r of such tract; (2) t rticle six, chapter to 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 roduction may be obtained from the age on the Secretary's web site, to
	by provided to:			ama fisa	
	E OWNER(s)			LOWNER OR LE	
Name:			Name:		
Address:			Address:		
Name:			1	- P	
Address:				ERAL OWNER(s)	
			Name: Ton	y Vigil	
				1304 S. 105th Pl., Apt. 301	18
Address:			Mesa, AZ 8520	n additional forms if ne	ORCEAN!
			piease attaci	ii additional forms ii ne	cessary
Notice is her Pursuant to Wa a plat survey o State:	eby given: est Virginia Code § 22-6, n the tract of land as follo West Virginia	ows:		e undersigned wel	l operator is planning entry to conduct
County:	Marshall		Public Road A	Access:	Greenfield Road
			Watershed:	O De Common de la	Fish Creek/Upper Fish Creek
District:			Generally used farm name: Shawn Harlan		
	Littleton		delicially use	d farm name.	
Quadrangle: Copies of the smay be obtaine Charleston, Wobtained from Notice is her	state Erosion and Sedime ed from the Secretary, at V 25304 (304-926-0450 the Secretary by visiting eby given by:	ent Control Manual and the WV Department of It. 1). Copies of such docum www.dep.wv.gov/oil-an	he statutes and Environmenta nents or additi id-gas/pages/d	d rules related to o il Protection headq ional information r default.aspx.	06/-321
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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

		See Name of the Control of the Control of the Control	rided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
Date	y e of Notice: 5/7/20	19 Date of Plan	nned Entry: 5/14/2019
		rsuant to West Virginia C	
Dell	very method pu	isuant to west vinginia C	oue § 22-0A-10a
	PERSONAL	■ REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
	SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to but i bene own and Secrenate	o the surface tract no more than fort eath such tract that er of minerals un- Sediment Contro- retary, which state ole the surface ow	to conduct any plat survey, y-five days prior to such en- thas filed a declaration pur- derlying such tract in the co- l Manual and the statutes and ement shall include contact ment to obtain copies from the	Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days try to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any ounty tax records. The notice shall include a statement that copies of the state Erosion and rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary.
2	ice is hereby pro		
Ц	SURFACE OW	NER(s)	COAL OWNER OR LESSEE
Nam	ie:		Name:
Add			
Nam			
Add	ress:		MINERAL OWNER(s)
			Name: Karen Bonacich
Nam	ie:		Address: 22 Cilinton St
1 10111			
Add	ress:		North Middletown, NJ 07748
Add	ress:		*please attach additional forms if necessary
Not Purs a pla State Cou	ice is hereby gi muant to West Virg at survey on the tr e: West Virg nty: Marshall	ven: ginia Code § 22-6A-10(a), r act of land as follows: ginia	*please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39,733900, -80,623393 Public Road Access: Greenfield Road
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Oil and Gas Privacy Notice:

	ice: 5/7/2019		nned Entry: 5/14/2019		
elivery me	thod pursuant	to West Virginia Co	ode § 22-6A-10a		
PERSO	NAL I	REGISTERED	☐ METHOD OF DE	LIVERY THAT R	EOUIRES A
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	eby provided t				
	CE OWNER(s)			L OWNER OR LE	ESSEE
ame:			Name:		
ddress:			Address:		
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ddress:			■ MIN	ERAL OWNER(s)	
			Name: Ca	rrie Jo. Thomas	
ddress:			Address:	21803 E. Munoz St.	
uui 655.				, AZ 85142 ch additional forms if ne	
ursuant to W plat survey ate:	on the tract of la West Virginia	de § 22-6A-10(a), no and as follows:	Approx. Latit	ude & Longitude:	I operator is planning entry to conduct 39.733900, -80.623393
ounty:	Marshall		Public Road	Access:	Greenfield Road
			Watershed:	2/2/	Fish Creek/Upper Fish Creek
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STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

entry Date of Notic		rided at least SEVEN (7) days but no more than	
Delivery met	hod pursuant to West Virginia C	ode § 22-6A-10a	
		☐ METHOD OF DELIVERY THAT RE	QUIRES A
☐ PERSON SERVICE		RECEIPT OR SIGNATURE CONFIR	
		Prior to filing a permit application, the operator	
on to the surfa- but no more to beneath such owner of min and Sediment Secretary, who	hace 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 co	try to: (1) The surface owner of such tract; (2) to suant to section thirty-six, article six, chapter to the tax records. The notice shall include a stand rules related to oil and gas exploration and prinformation, including the address for a web particle.	to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the
Notice is her	eby provided to:	—	2077
☐ SURFAC	CE OWNER(s)	☐ COAL OWNER OR LE	
Name:		Name:	
Address:		Addiess.	
Address:	1	INTINEKAL OWNER(S)	
		Nome: Eva T Stalker	
Address:		*please attach additional forms if ne	
Pursuant to V	on the tract of land as follows: West Virginia	notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access:	
State:	Marshall	i ubite itoda i toccos.	
State: County:	Marshall	Watershed:	Fish Creek/Upper Fish Creek
State: County: District:	Marshall Liberty Littleton		
State: County: District: Quadrangle: Copies of the may be obtai Charleston, V obtained from Notice is he	Liberty Littleton e state Erosion and Sediment Control and from the Secretary, at the WV WV 25304 (304-926-0450). Copie and the Secretary by visiting www.de	Watershed:	Fish Creek/Upper Fish Creek Shawn Harlan oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be Office
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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

	lime Require	ment: Notice shall be prov	ided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
entry Date of	Notice: 5/7/201	Date of Pla	nned Entry: 5/14/2019
Delivery	y method pur	suant to West Virginia C	ode § 22-6A-10a
☐ PE	RSONAL	■ REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
SE	RVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to the but no m beneath owner of and Sedi Secretar enable the	e surface tract nore than forty such tract that f minerals und iment Control y, which state he surface own	to conduct any plat survey -five days prior to such en has filed a declaration pur lerlying such tract in the co Manual and the statutes ar ment shall include contact her to obtain copies from the	Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days try to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams issuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any bunty tax records. The notice shall include a statement that copies of the state Erosion and rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary.
	s hereby prov		
	RFACE OWN		COAL OWNER OR LESSEE
Address			
Name:			
Address	:		MINERAL OWNER(s)
			Name: Dale E. Workman
Name: _			Address: 1467 Airport Road
Address			Pageland, SC 26728
			the large stands additional forms if page 2000
			*please attach additional forms if necessary
Notice Pursuan a plat su State: County:	is hereby gir t to West Virg rvey on the tr West Virg Marshall	ven: inia Code § 22-6A-10(a), a act of land as follows:	*please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.733900, -80.623393 Public Road Access: Greenfield Road Watershed: Fish Creek/Upper Fish Creek
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Notice Pursuan a plat su State: County: District: Quadran Copies o may be Charlest obtained Notice Well Op	is hereby gire to West Virgurvey on the tree west virgurates of the state Errobtained from the Section, WV 2530 from the Section of the state Errobtained from the Section the Section of the state Errobtained from the Section of the	ven: inia Code § 22-6A-10(a), inia act of land as follows: inia osion and Sediment Contro the Secretary, at the WV I (304-926-0450). Copies retary by visiting www.de	Approx. Latitude & Longitude: 39.733900, 80.623393 Public Road Access: Greenfield Road Watershed: Fish Creek/Upper Fish Creek Generally used farm name: Shawn Harlan I Manual and the statutes and rules related to oil and gas exploration and production Department of Environmental Protection headquarters, located at 601 57th Street, SE, of such documents or additional information related to horizontal drilling may be sowy.gov/oil-and-gas/pages/default.aspx. OCT - 3 2019
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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			d at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
Date of Noti	ice: 5/7/2019	Date of Plan	d Entry: 5/14/2019
Delivery me	thod pursuan	t to West Virginia C	2 § 22-6A-10a
☐ PERSO	NIAT [REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
SERVI		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to the sur but no more beneath such owner of min and Sedimen Secretary, we enable the su	face tract to co than forty-five a tract that has nerals underly at Control Mar hich statement urface owner to	enduct any plat surveys days prior to such en- filed a declaration pur- ing such tract in the co- qual and the statutes and shall include contact to obtain copies from the	or to filing a permit application, the operator shall provide notice of planned entry equired pursuant to this article. Such notice shall be provided at least seven days to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams ant to section thirty-six, article six, chapter twenty-two of this code; and (3) any ty tax records. The notice shall include a statement that copies of the state Erosion related to oil and gas exploration and production may be obtained from the formation, including the address for a web page on the Secretary's web site, to recreatery.
Notice is he	reby provided	I to:	
☐ SURFA	CE OWNER(s)	☐ COAL OWNER OR LESSEE
Name:			Name:
			Address:
Name:			ADDED AT OXOTED(-)
Address: _			MINERAL OWNER(s)
VI			Name: The Jeanne Govro De Clue Revocable Living Trust Address: 1505 Morning Sun Circle
Name:			Birmingham, AL 35242
Address			*please attach additional forms if necessary
Pursuant to ' a plat survey State: County: District:	on the tract o West Virginia Marshall Liberty	Code § 22-6A-10(a), if land as follows:	Approx. Latitude & Longitude: 39.733900, -80.623393 Public Road Access: Greenfield Road Watershed: Fish Creek/Upper Fish Creek Generally used farm name: Shawn Harlan
Quadrangle:	Littleton		Generally used farm name.
may be obta Charleston,	ined from the WV 25304 (3	Secretary, at the WV I 04-926-0450). Copies y by visiting <u>www.de</u> p	fanual and the statutes and rules related to oil and gas exploration and production partment of Environmental Protection headquarters, located at 601 57 th Street, SE, such documents or additional information related to horizontal drilling may be v.gov/oil-and-gas/pages/default.aspx.
obtained fro	arahy givan	hv.	
obtained fro Notice is h	ereby given		Address: 1300 Fort Pierpont, Dr., Suite 201
obtained fro Notice is h Well Operat	or: SWN PROD	UCTION COMPANY, LLC	Address: 1300 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508
obtained fro	or: SWN PROD 304-884-161	UCTION COMPANY, LLC	Address: 1300 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508 Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

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

Date of Notice: \$672019 Date of Planned Entry: \$7142019 Delivery method pursuant to West Virginia Code § 22-6A-10a PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator has provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or essee of coal seams beneath such tract that has filed a declaration pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or essee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (5) any owner or minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erost and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include content information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State:	Delivery method pursuant to West Virginia Code § 22-6A-10a PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of plants.	and other
PERSONAL REGISTERED MAIL RECIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry not to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any occ of ease as some neath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosis and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to mable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) SURFACE OWNER(s) SURFACE OWNER(s) SURFACE OWNER(s) Sume: Address: Approx. Latitude & Longitude: Survauant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct plat survey on the tract of land as follows: Approx. Latitude & Longitude: Approx. Latitude & Longitude: Approx. Latitude & Longitude: Survauant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct the state: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct the state: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct the undersigned well operator is plannin	PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of pla	and other
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Tursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry in to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days ut no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams eneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosi and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the ecretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to nable the surface owner to obtain copies from the secretary. **SURFACE OWNER(s) SURFACE OWNER(s)	cursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of pla	annod ontro
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SURFACE OWNER(s) COAL OWNER OR LESSEE Name:	ut no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of ceneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; an wner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the sand Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained ecretary, which statement shall include contact information, including the address for a web page on the Secretary's web	even days coal seams d (3) any state Erosion I from the
Address: MINERAL OWNER(s)	otice is hereby provided to:	
Name: Address: Address: Address: Address: Address: Address: Address: Address: MINERAL OWNER(s) Name: Dwid A. Teagarden Address: 1304 Kiowa Drive W Lake Kiowa, TX 76240 *please attach additional forms if necessary ** Please attach additional forms i	☐ SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE	
Address: Address:	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
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Lake Kiowa, TX 76240 *please attach additional forms if necessary	Name: David A. Teagarden	
*please attach additional forms if necessary *otice is hereby given: *ursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct plat survey on the tract of land as follows: **ate: West Virginia Approx. Latitude & Longitude: 39.733900, -80.623393 **Ounty: Marshall Public Road Access: Greenfield Road **Istrict: Liberty Watershed: Fish Creek/Upper Fish Creek **Undergoon and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production ay be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE harleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . **Office of Control Manual and Sediment Control Manual and Sediment Control Manual and Trules related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . **Office of Control Manual and Sediment Control Manual and Sediment Control Manual and Sediment Control Manual and Sediment Control Manual and Trules related to oil and gas exploration and production ay be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . **Office of Control Manual Sediment Control Manual and Sediment Con		
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District: Duadrangle: Littleton District: Duadrangle: Littleton District: Duadrangle: Littleton District: Duadrangle: Littleton Department Control Manual and the statutes and rules related to oil and gas exploration and production and be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be be be be be betained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Deffice of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production control from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be be betained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Office of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production gas exploration and gas exploration and production gas exploration and gas exploration an	ursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry plat survey on the tract of land as follows: Approx. Latitude & Longitude: 39.733900, -80.623393	to conduct
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Notice is hereby given by: Vell Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Celephone: 304-884-1610 Morgantown, WV 26508 Drail: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508 Faccimile: 304-884-1690 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508	hay be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling	Street, SE, g may be
Vell Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Velephone: 304-884-1610 Morgantown, WV 26508	Notice is hereby given by:	Oil and
elephone: 304-884-1610 Morgantown, W 26508	Vell Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201	UCT - 3 20
Facsimile: 304.884.4890 Fp. W Den	elephone: 304-884-1610 Morgantown, WV 26508	0 / 0
man, bhaany woody@swn.com	Email: brittany_woody@swn.com Facsimile: 304-884-1690 En	WV Department oviroginental Prote

	Requiren	ient. Hottoo shan oo prov	ided at least SEVEN (/) d	ays but no more tha	an FORTY-FIVE (45) days prior to
entry Date of Not	ice: 5/7/2019	Date of Plan	ned Entry: 5/14/2019		
Date of Not	ice. omzata	Date of Flat	ined Entry.		
Delivery me	ethod pursi	uant to West Virginia Co	ode § 22-6A-10a		
☐ PERSO	NAL	■ REGISTERED	☐ METHOD OF DE	LIVERY THAT R	EQUIRES A
SERVI		MAIL	RECEIPT OR SIG		
on to the sur but no more beneath such owner of min and Sedimer Secretary, we enable the su	face tract to than forty-to tract that I nerals unde at Control M hich statem arface owne	o conduct any plat surveys five days prior to such ent has filed a declaration pur- rlying such tract in the co- Manual and the statutes an tent shall include contact it er to obtain copies from the	required pursuant to this a ry to: (1) The surface own suant to section thirty-six, unty tax records. The notion of rules related to oil and gas information, including the	article. Such notice er of such tract; (2) article six, chapter ce shall include a st as exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any satement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to
Notice is he	reby provi	ded to:			
☐ SURFA	CE OWNE	R(s)	□ COA	L OWNER OR LE	ESSEE
Address:			Address:		
Address:			■ MIN	ERAL OWNER(s)	
			Names Lan	Lee Briggs, Billy Meryl Evans, & Bonita	Taylor (Remaindermen) c/o Dorothy Evens
			, iuition		
Name:			Address	9705 Lake Bess Rd, Lot	#676
Vame:			Address: Winter Haven	9705 Lake Bess Rd, Lot	
Notice is he	ereby give Vest Virgin	n:	Address: Winter Haver *please atta	9705 Lake Bess Rd, Lot a FL 33884 ch additional forms if ne	
Notice is he dursuant to V	ereby give Vest Virgin	n: ia Code § 22-6A-10(a), no t of land as follows:	Address: Winter Haver *please atta otice is hereby given that the	9705 Lake Bess Rd, Lot a FL 33884 ch additional forms if ne	ecessary
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Notice is he cursuant to V plat survey tate: County:	ereby give Vest Virgin on the trac West Virginia Marshall	n: ia Code § 22-6A-10(a), no t of land as follows:	Address: Winter Haver *please atta otice is hereby given that the state of the sta	9705 Lake Bess Rd, Lote FL 33884 ch additional forms if no he undersigned wel tude & Longitude:	l operator is planning entry to conduct
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Notice is he Pursuant to Variate: County: District: Quadrangle: Copies of the may be obtain Charleston, Valuationed from Notice is he Vell Operator	ereby give Vest Virgin on the trace West Virginia Marshall Liberty Littleton estate Erosi ned from th VV 25304 in the Secret ereby give.	ia Code § 22-6A-10(a), not of land as follows: ion and Sediment Control be Secretary, at the WV D (304-926-0450). Copies of tary by visiting www.dep. in by: DDUCTION COMPANY, LLC	Address: Winter Haver *please atta otice is hereby given that the statutes are generally use the statutes are epartment of Environment:	9705 Lake Bess Rd, Lote FL 33884 ch additional forms if no the undersigned wel tude & Longitude: Access: ed farm name: ad rules related to o al Protection headq tional information r default.aspx.	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 57th Street, SE, elated to horizontal drilling may be Office of Oil and OCT = 3 20
Notice is he Pursuant to Var plat survey State: County: Quadrangle: Copies of the nay be obtain Charleston, Variation States	ereby give Vest Virgin on the trac West Virginia Marshall Liberty Littleton e state Erosi ned from th VV 25304 in the Secret	ia Code § 22-6A-10(a), not of land as follows: ion and Sediment Control be Secretary, at the WV D (304-926-0450). Copies of tary by visiting www.dep. in by: DDUCTION COMPANY, LLC	Address: Winter Haver *please atta otice is hereby given that the statutes are partment of Environments of such documents or additional and the statutes are partment of environments of such documents or additional and the statutes are partment of environments of such documents or additional and the statutes are partment of environments or additional and the statutes are partment of environments or additional and the statutes are partment of environments or additional and environments or ad	9705 Lake Bess Rd, Lote FL 33884 ch additional forms if no the undersigned wel tude & Longitude: Access: ed farm name: ad rules related to o al Protection headq tional information r default.aspx.	I 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 Office of Oil and OCT - 3 20

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 pro-	vided at least SEVEN (7) days but no more tha	n FORTY-FIVE (45) days prior to
entry Date of Notic	e: 5/7/2019 Date of Pla	nned Entry: 5/14/2019	
	nod pursuant to West Virginia C	Code § 22-6A-10a	
			ACRES AND
☐ PERSON		☐ METHOD OF DELIVERY THAT RE	
SERVIC	E MAIL	RECEIPT OR SIGNATURE CONFIR	RMATION
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi	ce tract to conduct any plat survey an forty-five days prior to such en ract that has filed a declaration purals underlying such tract in the control Manual and the statutes as	Prior to filing a permit application, the operator is required pursuant to this article. Such notice that the control of the surface owner of such tract; (2) resuant to section thirty-six, article six, chapter the county tax records. The notice shall include a standarder related to oil and gas exploration and prinformation, including the address for a web paths 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 here	by provided to:		
SURFAC	E OWNER(s)	☐ COAL OWNER OR LE	SSEE
	L O WYLLIGO		
Address:		Address:	
Name:		-	
Address:		■ MINERAL OWNER(s)	
Name:		Address: \\319 Granborough Dr.	
Address:		Gardenville, NV 89410	
		*please attach additional forms if ne	cessary
a plat survey o State: County:			l operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road
District:	Liberty		Fish Creek/Upper Fish Creek
Quadrangle:	Littleton	Generally used farm name:	Shawn Harlan
nay be obtain Charleston, W obtained from Notice is her	ed from the Secretary, at the WV I V 25304 (304-926-0450). Copies the Secretary by visiting <u>www.der</u> eby given by:	ol Manual and the statutes and rules related to on Department of Environmental Protection headques of such documents or additional information representations of the second seco	uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be Office RECEIVED
Well Operator		Address: 1300 Fort Pierpont, Dr.,	Suite 201 0C7 2
Telephone:	304-884-1610	Morgantown, WV 26508	3 201
Email:	brillany_woody@swn.com	Facsimile: 304-884-1690	Environ Do date
The Office of duties. Your preeded to con	ersonal information may be discluply with statutory or regulator	nal information, such as name, address and telep losed to other State agencies or third parties i y requirements, including Freedom of Infor If you have any questions about our use or yo	n the normal course of business or as mation Act requests. Our office will

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 Notice	e de amon	Date of Plan	nned Entry: 5/14/20		ys but no more tha	n FORTY-FIVE	(45) days prior to
Delivery met	hod pursuant t	to West Virginia C	ode § 22-6A-10a				
□ PERSO	77.12	REGISTERED MAIL			LIVERY THAT RE		
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 d tract that has fil erals underlying Control Manua ich statement sh face owner to o	and the statutes an nall include contact btain copies from th	s required pursuant try to: (1) The surfa- suant to section this ounty tax records. The d rules related to of information, include	to this and ce owner ty-six, and character than the notice it and gar	rticle. Such notice s or of such tract; (2) or orticle six, chapter to e shall include a state s exploration and p	shall be provided a to any owner or le wenty-two of this atement that copies roduction may be	at least seven days ssee of coal seams code; and (3) any s of the state Erosion obtained from the
Notice is her	eby provided to	o:					
☐ SURFAC	CE OWNER(s)		L	J COA	L OWNER OR LE	SSEE	
Name:				ame:			-1
Address:			_ A	ddress:			_
Name:							
Address:					ERAL OWNER(s)		
M				ame: Sto	K. Whipkey & Twila O. Whipk	ey, Trustees of Trust Agreem	ent
Name:				ddress: heeling, WV	1 Bank Plaza		
Address			*F		h additional forms if ne	cessary	-
					ne undersigned well	operator is planni	ing entry to conduct
County:	Marshall		Publi	c Road	Access:	Greenfield Road	
District:	Liberty			rshed:		Fish Creek/Upper Fish	Creek
Quadrangle:	Littleton		Gene	rally use	ed farm name:	Shawn Harlan	
may be obtain Charleston, W	ned from the Sec VV 25304 (304-	nd Sediment Control cretary, at the WV E 926-0450). Copies by visiting <u>www.dep</u>	Department of Envir of such documents	onmenta or addit	al Protection headquional information re	uarters, located at	601 57 th Street, SE, Il drilling may be
Notice is he	reby given by						OCT - Gas
	T: SWN PRODUCT		Ad	dress:	1300 Fort Pierpont, Dr.,	Suite 201	- 3 2nin
Telephone:	304-884-1610	22 25 20 2 20 2 20 2			Morgantown, WV 26508	Fn	W Denay
Email:	brittany_woody@	swn.com	Fac	simile:	304-884-1690	>11V	WV Department of ironmental protection
Oil and Gas	Privacy Noti	ce.					- dection

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

Date of Notice: 5772379 Date of Planned Entry: 51426719 Delivery method pursuant to West Virginia Code § 22-6A-10a PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL REGISTERED RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of code scans beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner or dimensial underlying such tract in the county tax records. The notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or elssee of code; and (3) any owner or district that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner or district that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner or district that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-twenty-two of this code; and (3) any owner or filed statement that copies of the state Ension and Sediment Control Manual and the statutes and rules address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby give: Surface Owner(s)		Requirement:	Notice shall be prov	ided at least SE	VEN (7) day	ys but no more tha	n FORTY-FIVE (45) da	sys prior to
PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION		e: 5/7/2019	Date of Plan	ned Entry: 5/14	1/2019			
Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to. (1) The surface owner of such tract; (2) to any owner or least such tract; (2) to any owner or fleath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of mierals underlying such tract in the county tax records. The notice shall include a statement copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Addr	Delivery met	hod pursuant	to West Virginia Co	ode § 22-6A-10a	a			
on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Approx. Latitude & Longitude: Survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct Received a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct Received a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct Received Public Road Access: Generally used farm name: Approx. Latitude & Longitude: 30.73390080.823393 Generalded Road G								
SURFACE OWNER(s) Name: Address: Name: Address: Name: Address: Minneral Owner(s) Name: Address: Minneral Owner(s) Name: Address: Minneral Owner(s) Name: Address: Minneral Owner(s) Name: Address: Deltona, P. 129738 Please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct RECEIVE of County: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct RECEIVE of County: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct RECEIVE of County: Marshall Public Road Access: Public Road Access: Greenfield Road OCT - 3 70 Watershed: Pish CreekUpper Fish Creek William Marshall Public Road Access: Greenfield Road OCT - 3 70 Separation and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: Swa PRODUCTION COMPANY, LLC Address: 1200 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508	on to the surfi- but no more to beneath such owner of min- and Sediment Secretary, when able the sur-	ace tract to cond han forty-five d tract that has file erals underlying Control Manua ich statement sl face owner to con	duct any plat surveys lays prior to such ent led a declaration purs g such tract in the co- al and the statutes an hall include contact in obtain copies from the	required pursua ry to: (1) The su suant to section unty tax records d rules related to information, inc	ant to this ar arface owner thirty-six, and The notice of oil and gas	ticle. 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 least to any owner or lessee of wenty-two of this code; a atement that copies of the roduction may be obtain	seven days f coal seams and (3) any e state Erosion ed from the
Name:	Notice is here	eby provided t	0:					
Address: Mineral Owners	☐ SURFAC	CE OWNER(s)			☐ COA	LOWNER OR LE	SSEE	
Address: Name: Address: MINERAL OWNER(s)	Name:				Name:			
Name: Address: MINERAL OWNER(s)	Address:			- :	Address:			
Address: Name: Address: Bettona, FL 32738 *please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct RECEIVE aplat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: Public Road Access: Greenfield Road County: Marshall Public Road Access: Greenfield Road County: Watershed: Fish Creek/Upper Fish Creek Wordenward Frod Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508	Name:				_	er and and an Auto		
Name:	Address:			-	I MINE	ERAL OWNER(s)		
Address: Deltona, FL 32738 **please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct RECEIVE a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39.733900, -80.623393 OCT - 3 20								
*please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct RECEIVE a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39,733900, -80.623393 County: Marshall Public Road Access: Greenfield Road OCT - 3 2/C District: Liberty Watershed: Fish Creek/Upper Fish Creek Quadrangle: Littleton Generally used farm name: Shawn Harlan Environmental Proof Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Telephone: 304-884-1610 Morgantown, WV 26508	Name:							
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Quadrangle: Littleton Generally used farm name: Shawn Harlan Environmental Proof Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Telephone: 304-884-1610 Morgantown, WV 26508	County:	Marshall		Pi	iblic Road A		Greenfield Road	007 - 3 2010
Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploitation and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Telephone: Morgantown, WV 26508						d form name:		Frui WV Den
Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploitation and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Telephone: Morgantown, WV 26508	Quadrangie:	Littleton			enerally use	d farm name:	Snawn Harian	Znvironmental Protection
Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Telephone: 304-884-1610 Morgantown, WV 26508	may be obtain Charleston, W	red from the Sec V 25304 (304)	cretary, at the WV D -926-0450). Copies	epartment of Er of such docume	vironmenta nts or additi	l Protection headquional information r	uarters, located at 601 57	th Street, SE,
Telephone: 304-884-1610 Morgantown, WV 26508	Notice is he	reby given by	:					
p. In	and the second s	SWN PRODUCT	TION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	Suite 201	
Email: brittany_woody@swn.com Facsimile: 304-884-1690		304-884-1610				Morgantown, WV 26508		
	Email:	brittany_woody@	gswn.com		Facsimile:	304-884-1690		

Oil and Gas Privacy Notice:

Date of Notice	e: 5/7/2019	Date of Plan	nned Entry: 5/14/2019		
Delivery metl	hod pursuant	to West Virginia Co	ode § 22-6A-10a		
☐ PERSON	NAL I	REGISTERED	☐ METHOD OF DELIVERY THAT R	EQUIRES A	
SERVICE		MAIL	RECEIPT OR SIGNATURE CONFI		
on to the surfate but no more the beneath such to owner of mine and Sediment Secretary, which	ce tract to cond nan forty-five d ract that has fil rals underlying Control Manua ch statement sh	duct any plat surveys ays prior to such ent led a declaration pur- g such tract in the co al and the statutes an	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) suant to section thirty-six, article six, chapter ounty tax records. The notice shall include a such rules related to oil and gas exploration and pinformation, including the address for a web passes secretary.	shall be provided at least to any owner or lessee of twenty-two of this code; a tatement that copies of the production may be obtained	seven days coal seams nd (3) any state Erosion d from the
Notice is here	by provided to):			
☐ SURFAC	E OWNER(s)		☐ COAL OWNER OR LI	ESSEE	
Name:			Name:		
Address:			Address:		
Name:					
Address:			■ MINERAL OWNER(s)		
			Name: Marlene Fay Wagmiller		
Name:			Address: 6624 Rene Drive NE		
Address:					
	2.7 (7)		*please attach additional forms if n	ecessary	
Notice is here Pursuant to We	est Virginia Co		otice is hereby given that the undersigned we	ll operator is planning entr	
	AR THE PROPERTY AND AND			39.733900, -80.623393	Den RECEIVE
a plat survey or	West Virginia		Approx. Latitude & Longitude:	33.733300, -00.023333	Uffice of Civi-D
a plat survey or State:	West Virginia Marshall		Dublic Pond Access	Greenfield Road	Office of Girand
a plat survey or State: County: District:	Marshall Liberty		Public Road Access: Watershed:		Office of Gir and
a plat survey of State: County: District: Quadrangle:	Marshall Liberty Littleton		Public Road Access: Watershed: Generally used farm name:	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan	001-3-201
a plat survey of State: County: District: Quadrangle: Copies of the smay be obtaine Charleston, Woobtained from to	Marshall Liberty Littleton tate Erosion and from the Sec V 25304 (304- the Secretary by eby given by:	nd Sediment Control cretary, at the WV D 926-0450). Copies y visiting www.dep.	Public Road Access: Watershed:	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan Fish Creek/Upper Fish Creek Shawn Harlan Fish Creek	WV Department of productional Protect
a plat survey of State: County: District: Quadrangle: Copies of the smay be obtaine Charleston, Wyobtained from the State of the State	Marshall Liberty Littleton tate Erosion and from the Sec V 25304 (304- the Secretary by eby given by:	nd Sediment Control cretary, at the WV D 926-0450). Copies y visiting <u>www.dep</u> .	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to of such documents or additional information in the control of such documents or additional information in the cont	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan fill and gas exploration and quarters, located at 601 57 th related to horizontal drilling. Suite 201	WV Department of productional Protect

Oil and Gas Privacy Notice:

ry		ded at least SEVEN (7) days but no more than	
te of Notice: 5	Date of Plani	ned Entry: 5/14/2019	
	pursuant to West Virginia Co	de § 22-6A-10a	
livery method		☐ METHOD OF DELIVERY THAT RE	OUTRES A
PERSONAL		RECEIPT OR SIGNATURE CONFIRM	MATION
SERVICE	MAIL		
n to the surface to it no more than eneath such trac wner of minerals and Sediment Co	fract to conduct any plat surveys forty-five days prior to such enti t that has filed a declaration purs s underlying such tract in the cou	rior to filing a permit application, the operator required pursuant to this article. Such notice s ry to: (1) The surface owner of such tract; (2) to suant to section thirty-six, article six, chapter to unty tax records. The notice shall include a start of trules related to oil and gas exploration and prinformation, including the address for a web page secretary.	to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion reduction may be obtained from the
otice is hereby	provided to:		
		☐ COAL OWNER OR LE	ESSEE
SURFACE			
Vame:		Address.	
Address:		Address.	
Vame:		MINERAL OWNER(s)	
Address:		Stonfag E Justma	
		Name: Glephes L, Seems	
Name:		Address: 4435 W. Hayward Place	
Name:		Address: 4435 W. Hayward Place	
Name: Address: Notice is herel Pursuant to Wes a plat survey on State: County:	by given: it Virginia Code § 22-6A-10(a), i the tract of land as follows: vest Virginia tarshall	Address: 4435 W. Hayward Place Denver, CO 80212 *please attach additional forms if n notice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access:	ecessary
Notice is herel Pursuant to Wes a plat survey on State: County: District:	by given: It Virginia Code § 22-6A-10(a), the tract of land as follows: Vest Virginia Harshall Liberty	Address: 4435 W. Hayward Place Denver, CO 80212 *please attach additional forms if n notice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access:	ecessary ell operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road
Name:Address:	by given: It Virginia Code § 22-6A-10(a), in the tract of land as follows: Vest Virginia Idearshall Interior In	Address: 4435 W. Hayward Place Denver, CO 80212 *please attach additional forms if n notice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: ol Manual and the statutes and rules related to Department of Environmental Protection head as of such documents or additional information ep.wv.gov/oil-and-gas/pages/default.aspx.	ecessary all operator is planning entry to conduct as 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan oil and gas exploration and production quarters, located at 601 57th Street, FECEIVED related to horizontal drilling market of oil and OCT - 3 20
Notice is herel Pursuant to West plat survey on State: County: Motice is herel Pursuant to West plat survey on State: County: County: County: Copies of the stancy be obtained Charleston, WV obtained from the State of the	by given: It Virginia Code § 22-6A-10(a), in the tract of land as follows: Vest Virginia Idearshall Interior In	Address: 4435 W. Hayward Place Denver, CO 80212 *please attach additional forms if n notice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: ol Manual and the statutes and rules related to Department of Environmental Protection head es of such documents or additional information ep.wv.gov/oil-and-gas/pages/default.aspx. Address: 1300 Fort Pierpont, C	ecessary Ill operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan oil and gas exploration and production quarters, located at 601 57th Street, FECEIVED related to horizontal drilling may be of oil and and occupant of the conduction
Notice is herel Pursuant to Wes a plat survey on State: County: Multiple Market Multip	by given: It Virginia Code § 22-6A-10(a), in the tract of land as follows: Vest Virginia Australia Australi	Address: 4435 W. Hayward Place Denver, CO 80212 *please attach additional forms if n notice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: ol Manual and the statutes and rules related to Department of Environmental Protection head as of such documents or additional information ep.wv.gov/oil-and-gas/pages/default.aspx.	ecessary Ill operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan oil and gas exploration and production quarters, located at 601 57th Street, FECEIVED related to horizontal drilling may be of oil and and occupant of the conduction

Well Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 Telephone: 304-884-1610 Morgantown, WV 26508	& total and and	ice. 6/12010	Date of Plan	nned Entry: 5/14/2019					
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SURFACE OWNER(s) COAL OWNER OR LESSEE	on to the sur- but no more beneath such owner of min and Sedimen Secretary, w	face tract to con than forty-five on tract that has finerals underlying to Control Manu hich statement s	duct any plat surveys days prior to such ent iled a declaration pur- g such tract in the co al and the statutes an shall include contact i	s required pursuant to this a try to: (1) The surface owns suant to section thirty-six, a unty tax records. The notion d rules related to oil and ga information, including the a	article. Such notice er of such tract; (2) article six, chapter to ce shall include a start as exploration and p	shall be provided at le- to any owner or lessee wenty-two of this cod- atement that copies of production may be obta	ast seven days of coal seams e; and (3) any the state Erosion ained from the		
Address: MINERAL OWNER(s)	otice is her	reby provided t	0:						
Name:	□ SURFA	CE OWNER(s)		□ coa	L OWNER OR LE	SSEE			
Name:	Name:								
MINERAL OWNER(s) Name: Tonl Jo Mason Living Trust Address: PO Box 18314 Tallahassee, FL 32318 *please attach additional forms if necessary Notice is hereby given: urrsuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct plat survey on the tract of land as follows: tate: West Virginia Approx. Latitude & Longitude: 39.733800, -80.823393 county: Marshall Public Road Access: Greenfield Road istrict: Liberty Watershed: Fish Creek/Upper Fish Creek thadrangle: Littleton Generally used farm name: Shawn Harian opies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production have be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, harleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Office of Oil at Secretary Since Proposition Company, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201 OCT - 3 25 and 130 Fort Pierpont, Dr., Suite 201	ddress:			Address:					
Mineral Day Nergantown, WV 25304 (304-926-0450). Iddress:	lame:								
Address: Address: Address: PO Box 18314 Tallahassee, Ft. 32318 *please attach additional forms if necessary Notice is hereby given: ursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct plat survey on the tract of land as follows: tate: West Virginia Approx. Latitude & Longitude: 39.733900, -80.623393 tounty: Marshall Public Road Access: Greenfield Road public Road Access: Greenfield Road watershed: Fish Creek/Upper Fish Creek that drangle: Littleton Generally used farm name: Shawn Harlan opies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production have be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, harleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Office of Oil at Secretary SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 OCT - 3 25th Street, SE, Morgantown, WV 26508	ddress:			_ MIN					
Tallahassee, FL 32318 *please attach additional forms if necessary fotice is hereby given: ursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct plat survey on the tract of land as follows: tate: West Virginia Ounty: Marshall Public Road Access: Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan Opies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production any be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, harleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Office of Oil at Selephone: 304-884-1610 Address: 1300 Fort Pierpont, Dr., Suite 201 Morgantown, WV 26508	1000			Name: To	ni Jo Mason Living Trust				
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plat survey on the tract of land as follows: tate: West Virginia Approx. Latitude & Longitude: 39.733900, -80.623393 County: Marshall Public Road Access: Greenfield Road Pistrict: Liberty Watershed: Fish Creek/Upper Fish Creek Quadrangle: Littleton Generally used farm name: Shawn Harlan Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, tharleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . **RECEIVE** Vell Operator: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 **OCT - 3 200 Fort Pierpont, Dr., Suite 201 **OCT - 3 200 Fort Pierpont, Dr., Suite 201 **Morgantown, WV 26508** **October Suite Suit	Tadian	ereby given:	1. 5 22 (1. 10/)						
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elephone: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 OCT - 3 2	ursuant to V plat survey tate: County: District:	on the tract of la West Virginia Marshall Liberty		Public Road A Watershed:	Access:	Greenfield Road Fish Creek/Upper Fish Creek			
elephone: SWN PRODUCTION COMPANY, LLC Address: 1300 Fort Pierpont, Dr., Suite 201 OCT - 3 2	ursuant to V plat survey tate: County: District: Quadrangle: Copies of the hay be obtain tharleston, W	west Virginia Marshall Liberty Littleton state Erosion and from the Secondary VV 25304 (304-	nd Sediment Control cretary, at the WV De	Public Road A Watershed: Generally use Manual and the statutes an epartment of Environmenta of such documents or addit	Access: ed farm name: d rules related to of al Protection headquional information re	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan I and gas exploration a	and production 57 th Street, SE, Iling may be		
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mail: brittany_woody@swn.com Facsimile: 304-884-1690 WV Departmental Pro-	ursuant to V plat survey tate: ounty: istrict: uadrangle: opies of the ay be obtain harleston, W otained from otice is he Vell Operato elephone:	west Virginia Marshall Liberty Littleton state Erosion and from the Sevice VV 25304 (304-1) the Secretary by the Secretary b	and Sediment Control cretary, at the WV Decenter of the WV Decenter of the WW.dep.	Public Road A Watershed: Generally use Manual and the statutes an epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/o	Access: ed farm name: d rules related to oi al Protection headquional information re default.aspx.	Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan If and gas exploration a parters, located at 601 delated to horizontal dri	and production 57 th Street, SE, Iling may be		

Date of Noti	ce: 5/7/2019	Date of Pla	nned E	ntry: 5/14/2019					
Delivery me	thod pursuan	t to West Virginia C	ode § 2	2-6A-10a					
☐ PERSO	NAL E	REGISTERED		METHOD OF DE	METHOD OF DELIVERY THAT REQUIRES A				
SERVIC		MAIL		RECEIPT OR SIG					
on to the surf but no more t beneath such owner of min and Sediment Secretary, whenable the sur	face tract to co than forty-five tract that has terals underlyi t Control Man nich statement rface owner to	ual and the statutes an shall include contact obtain copies from the	rs require stry to: (rsuant to ounty tax and rules informa	ed pursuant to this a 1) The surface owner o section thirty-six, a ox records. The notice related to oil and ga tion, including the a	rticle. 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 le twenty-two of this atement that copion production may be	at least seven days essee of coal seams code; and (3) any es of the state Erosion obtained from the		
Notice is her	eby provided	to:							
☐ SURFAC	CE OWNER(s			☐ COA	L OWNER OR LE	ESSEE			
Name:				Name:					
Address:			-	Address:	Address:				
Name:			-	-			_		
Address:					ERAL OWNER(s)				
2177			_	Name: Ka	ren Cubbage				
Name:			+	Address:	361 Lin Mar Terrace				
Address:			-2	Alquippa, PA	15001 h additional forms if ne	1,000			
Pursuant to W		Code § 22-6A-10(a), n land as follows:	notice is		e undersigned wel	l operator is plann 39,733900, -80.62339	-040043031010		
County:	1400400			D. I.P. D I		Greenfield Road			
District:	19.04			Watershed:	100033.	Fish Creek/Upper Fish	Creek		
Quadrangle:	Littleton			Generally use	d farm name:	Shawn Harlan			
may be obtain Charleston, Wobtained from	ned from the S VV 25304 (30 the Secretary	and Sediment Control ecretary, at the WV E 4-926-0450). Copies by visiting <u>www.dep</u>	Departm of such	ent of Environmenta documents or addit	l Protection headquional information r	uarters, located at	601 57 th Street, SE, al drilling may be		
	reby given b	The state of the s		4.00			Office of Oil and Ga		
Well Operator		CTION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,		and Ga		
Telephone:	304-884-1610			Facsimile:	Morgantown, WV 26508	3	OCT = 3 2010		
Email:		@swn.com			304-884-1690				

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				an 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	NTAT I	REGISTERED	☐ METHOD OF DELIVERY THAT R	EOLURES A				
SERVIC		MAIL	RECEIPT OR SIGNATURE CONFIL					
on to the surfa- but no more to beneath such owner of min- and Sediment Secretary, wh	ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement sh	duct any plat survey ays prior to such en led a declaration pur g such tract in the co al and the statutes ar	Prior to filing a permit application, the operato 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 punty tax records. The notice shall include a stand rules related to oil and gas exploration and prinformation, including the address for a web price secretary.	shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the				
Notice is here	eby provided to	o:						
☐ SURFAC	CE OWNER(s)		☐ COAL OWNER OR LE					
Name:			Name:	Name:				
Address:			Address:					
Name:			_					
Address:			MINERAL OWNER(s)					
1000			Names Robert W. Cubbage					
Name:			Address: 884 Fawn Valley Dr.					
Address:			Allen, TX 75002 * *please attach additional forms if ne					
			please attach additional forms if he	ECESSALV				
				•				
Notice is here Pursuant to W a plat survey of State:	est Virginia Co on the tract of la West Virginia	and as follows:	Dublic Dood Access	Il operator is planning entry to conduct				
Notice is here Pursuant to W i plat survey of State: County:	est Virginia Co on the tract of la West Virginia Marshall	and as follows:	Approx. Latitude & Longitude: Public Road Access:	Il operator is planning entry to conduct				
Notice is here Pursuant to W a plat survey of State: County: District:	Vest Virginia Co on the tract of la West Virginia Marshall Liberty	and as follows:	Approx. Latitude & Longitude: Public Road Access:	Il operator is planning entry to conduct 39,733900, -80.623393 Greenfield Road				
Notice is here Pursuant to We a plat survey of State: County: District: Quadrangle: Copies of the may be obtain Charleston, Webbained from	Vest Virginia Coon the tract of la West Virginia Marshall Liberty Littleton state Erosion are defrom the Sec V 25304 (304-the Secretary by reby given by	and as follows: and Sediment Control cretary, at the WV E. 926-0450). Copies by visiting www.dep	Approx. Latitude & Longitude: Public Road Access: Watershed:	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan oil and gas exploration and production warters, located at 601 57th Street, SE, related to horizontal drilling may be Office of Oil and				
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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	Requirement:		nned Entry: 5/14/2019		ys but no more tha	n FORTY-FIVE (45) da	ys prior to	
Delivery me	thod pursuant	to West Virginia Co	ode § 22-6A-10a					
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD C	METHOD OF DELIVERY THAT REQUIRES A				
SERVIC	CE	MAIL	RECEIPT O	R SIG	NATURE CONFIR	MATION		
on to the surf but no more to beneath such owner of min and Sediment Secretary, when able the su	ace tract to con han forty-five of tract that has five erals underlying to Control Manu- tich statement serface owner to	duct any plat surveys days prior to such ent iled a declaration pur g such tract in the co al and the statutes an shall include contact obtain copies from th	s required pursuant to try to: (1) The surface suant to section thirty ounty tax records. The id rules related to oil information, includin	o this as e owner y-six, and e notice and ga	rticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of p shall be provided at least to any owner or lessee of wenty-two of this code; a atement that copies of the roduction may be obtain- age on the Secretary's we	seven days f coal seams and (3) any e state Erosion ed from the	
Notice is her	eby provided	to:						
☐ SURFAC	CE OWNER(s)	1		COA	L OWNER OR LE	SSEE		
			Na	me:				
Address:				Address:				
Name:			_					
Address:				MINERAL OWNER(s) Name: Clifford Cubbage				
Name:						05		
Address:			_ A.O.	aress: n. TX 750:	351 Chaparral Rd, Apt. 11			
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a plat survey State: County:	Vest Virginia C on the tract of I West Virginia Marshall	land as follows:	Approx Public	x. Latit Road	ne undersigned well ude & Longitude: Access:	operator is planning ent 39.733900, -80.623393 Greenfield Road	ry to conduct	
District:					10333	Fish Creek/Upper Fish Creek		
Quadrangle:	Littleton		Genera	ally use	ed farm name:	Shawn Harian	-	
may be obtain Charleston, V	ned from the Se VV 25304 (304	ecretary, at the WV D	Department of Environ of such documents of	nmenta or addit	al Protection headquional information r	il and gas exploration and uarters, located at 601 57 elated to horizontal drilli	th Street, SE,	
Notice is he	reby given by	y:					omecor or and Gas	
Well Operato	r: SWN PRODUC	TION COMPANY, LLC	Addı	ress:	1300 Fort Pierpont, Dr.,	Suite 201	OCT - 3 2019	
Telephone:	304-884-1610				Morgantown, WV 26508			
Email:	brittany_woody@	@swn.com	Facs	imile:	304-884-1690		WV Department of Environmental Protection	
Oil and Car	Privacy Not	dani					an in the state of	

WW-6A3 (1/12)

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

Dolivon	thad aurement to West Viusinia	odo \$ 22 64 10a				
Denvery me	thod pursuant to West Virginia C	ode § 22-0A-10a				
☐ PERSO	NAL REGISTERED	☐ METHOD OF DEL	VERY THAT RE	QUIRES A		
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on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the su	Vest Virginia Code § 22-6A-10(a), face tract to conduct any plat survey than forty-five days prior to such entract that has filed a declaration puterals underlying such tract in the cott Control Manual and the statutes and ich statement shall include contact rface owner to obtain copies from the	is required pursuant to this art stry to: (1) The surface owner rsuant to section thirty-six, are ounty tax records. The notice and rules related to oil and gas information, including the ad	icle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pi	hall be provided at o any owner or less wenty-two of this of tement that copies roduction may be o	least seven days see of coal seams ode; and (3) any of the state Erosion btained from the	
lotice is her	eby provided to:					
SURFA	CE OWNER(s)	☐ COAL	OWNER OR LES	SSEE		
		Name:				
Address:		Address:	Name:			
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Address:		_ I MINE	MINERAL OWNER(s)			
		Name: Ches	enut Holdings, Inc.		_	
Vame:		Address: P			-)	
Address:		Fairmont, WV 2	additional forms if nec	ressarv	-	
Pursuant to V a plat survey State: County:	ereby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall	Approx. Latitu	de & Longitude:	39.733900, -80.623393 Greenfield Road		
District:	Liberty	Watershed:		Fish Creek/Upper Fish C	reek	
	Littleton	Generally used	farm name:	Shawn Harlan		
				l and age evaloration	an and menduation	
Quadrangle: Copies of the may be obtain Charleston, V obtained from Notice is he Well Operator	e state Erosion and Sediment Controlled from the Secretary, at the WV IVV 25304 (304-926-0450). Copies in the Secretary by visiting www.degreby.given.by : SWN PRODUCTION COMPANY, LLC	Department of Environmental s of such documents or addition	Protection headquenal information re efault.aspx.	narters, located at 6 elated to horizontal	office of Oil and G	
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STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Delivery me	ethod pursuant to West Virginia	Code § 22-6A-10a					
☐ PERSO	ONAL REGISTERED	☐ METHOD OF DELIVERY THAT	REOUIRES A				
SERVI	CE MAIL	RECEIPT OR SIGNATURE CON					
on to the sur but no more beneath such owner of min and Sedimen Secretary, wi	face tract to conduct any plat surve than forty-five days prior to such e a tract that has filed a declaration p merals underlying such tract in the at Control Manual and the statutes	b, Prior to filing a permit application, the operaters required pursuant to this article. Such noticentry to: (1) The surface owner of such tract; (bursuant to section thirty-six, article six, chapter county tax records. The notice shall include a and rules related to oil and gas exploration and tinformation, including the address for a well the secretary.	ce shall be provided at least seven days (2) to any owner or lessee of coal seams er twenty-two of this code; and (3) any a statement that copies of the state Erosion d production may be obtained from the				
Notice is her	reby provided to:						
☐ SURFA	CE OWNER(s)	☐ COAL OWNER OR	LESSEE				
Name:		Name:					
Address:		Address:					
Name:							
Address:		■ MINERAL OWNER	■ MINERAL OWNER(s)				
		Name: Deborah A. Collins	Name: Deborah A. Collins				
		Address: 1219 McDonald St.					
Name: Address:		Mariet Day of congr					
Address:		Mount Dora, FL 32757 *please attach additional forms if					
Notice is he Pursuant to W plat survey State: County:	ereby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty	Mount Dora, FL 32757 *please attach additional forms if notice is hereby given that the undersigned w Approx. Latitude & Longitude Public Road Access: Watershed:	necessary vell operator is planning entry to conduct				
Notice is he Pursuant to W plat survey State: County: District:	ereby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia	Mount Dora, FL 32757 *please attach additional forms if notice is hereby given that the undersigned w Approx. Latitude & Longitude Public Road Access:	rell operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road				
Notice is he Pursuant to W I plat survey State: County: District: Quadrangle: Copies of the nay be obtain Charleston, W btained from	ereby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV VV 25304 (304-926-0450). Copie	Mount Dora, FL 32757 *please attach additional forms if notice is hereby given that the undersigned w Approx. Latitude & Longitude Public Road Access: Watershed:	rell operator is planning entry to conduct e: 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan oil and gas exploration and production dquarters, located at 601 57th Street, SE, in related to horizontal drilling may be				
Notice is her Pursuant to Warsuant to Wars	ereby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV VV 25304 (304-926-0450). Copie in the Secretary by visiting www.dereby given by:	Mount Dora, FL 32757 *please attach additional forms if notice is hereby given that the undersigned w Approx. Latitude & Longitude Public Road Access: Watershed: Generally used farm name: ol Manual and the statutes and rules related to Department of Environmental Protection heads s of such documents or additional information	rell operator is planning entry to conduct 2: 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan 2 oil and gas exploration and production dquarters, located at 601 57th Street, SE, in related to horizontal drilling may be				
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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.

		Date of Pla				
Delivery me	thod pursuan	t to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL E	REGISTERED	☐ METHOD OF DE	THOD OF DELIVERY THAT REQUIRES A		
SERVI	CE	MAIL	RECEIPT OR SIG			
on to the sur but no more beneath such owner of min and Sedimen Secretary, when able the sur enable the sur	face tract to co than forty-five tract that has nerals underlyi t Control Man hich statement	nduct any plat survey days prior to such en filed a declaration pur ng such tract in the co ual and the statutes ar shall include contact obtain copies from the	Prior to filing a permit applish required pursuant to this a try to: (1) The surface ownersuant to section thirty-six, about y tax records. The notion of rules related to oil and gainformation, including the are secretary.	rticle. Such notice or of such tract; (2) article six, chapter the shall include a s s exploration and	e shall be provided at to any owner or les twenty-two of this of statement that copies production may be of	t least seven days see of coal seams code; and (3) any of the state Erosion obtained from the
			Пос	. OMBIED OD I	EGOEE	
	CE OWNER(s			L OWNER OR L		
Address:			Name: Address:			-
						<u> </u>
Name:						
Address:			_ III MIN	ERAL OWNER(s		
			Name: Ça	rolyn Ramirez		-
Address:			Address: '	95116		=
			*please attac	h additional forms if n	ecessary	=
Pursuant to V a plat survey State: County: District:	on the tract of West Virginia Marshall	Code § 22-6A-10(a), n land as follows:	Public Road A Watershed:	ude & Longitude: Access:		
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan	
may be obtain Charleston, V	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 and epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/o	Il Protection headd ional information default.aspx.	quarters, located at 6 related to horizontal	01 57 th Street, SE, drilling may be RECEIVED Office of Oil and Gas
Notice is he Well Operato Telephone: Email:	304-884-1610			Morgantown, WV 2650	10	OCT - 3-2019

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

Delivery me	thod pursuant to	West Virginia Coo	le § 22-6A-10a			
☐ PERSO	NAL I	REGISTERED	☐ METHOD OF DE	LIVERY THAT RI	EQUIRES A	
SERVIC	CE	MAIL	RECEIPT OR SIG		7. F	
on to the surf but no more to beneath such owner of mir and Sedimen Secretary, wh	face tract to condu than forty-five day tract that has file nerals underlying s t Control Manual hich statement sha	nct any plat surveys in ys prior to such entry d a declaration pursu such tract in the coun and the statutes and	required pursuant to this a y to: (1) The surface owns uant to section thirty-six, a nty tax records. The notion rules related to oil and gas formation, including the	erticle. Such notice or of such tract; (2) article six, chapter to shall include a state exploration and p	shall provide notice of plashall be provided at least se to any owner or lessee of or wenty-two of this code; and atement that copies of the s roduction may be obtained age on the Secretary's web	ven days cal seams d (3) any tate Erosion from the
Notice is her	reby provided to:					
☐ SURFA	CE OWNER(s)		□ coa	L OWNER OR LE	SSEE	
				Name:		
Address:			Address:	Address:		
Name:			_	17.5.6.1.7		
Address:				ERAL OWNER(s)		
					W Burge, Trustees of Onward E. Burge	
Name:			Address:	Rd #3, Box 33		
Address:			Cameron, W	/ 26033 ch additional forms if ne		
			prease attac	in additional forms if he	cessary	
Pursuant to W a plat survey State:	on the tract of lan West Virginia Marshall	d as follows:	Approx. Latin	tude & Longitude:	operator is planning entry 39.733900, -80.623393 Greenfield Road	
C. P. C.	Liberty		Watershed:		Fish Creek/Upper Fish Creek	
District:	Littleton		Generally use	ed farm name:	Shawn Harlan	
County: District: Quadrangle:						
District: Quadrangle: Copies of the may be obtain Charleston, W btained from Notice is he	ned from the Secretary 25304 (304-9) in the Secretary by reby given by:	etary, at the WV Dep 26-0450). Copies of visiting <u>www.dep.w</u>	f such documents or addit vv.gov/oil-and-gas/pages/	al Protection headquional information re	I and gas exploration and p parters, located at 601 57 th S elated to horizontal drilling	Street, SE, may be
District: Quadrangle: Copies of the may be obtain Charleston, W btained from Notice is he Vell Operator	ned from the Secretary 25304 (304-9) in the Secretary by reby given by:	etary, at the WV Dep 26-0450). Copies of visiting <u>www.dep.w</u>	partment of Environments such documents or addit	al Protection headquional information re	narters, located at 601 57 th Selated to horizontal drilling	Street, SE,
District: Quadrangle: Copies of the may be obtain Charleston, W obtained from	ned from the Secretary 25304 (304-9) in the Secretary by reby given by:	etary, at the WV Dep 26-0450). Copies of visiting <u>www.dep.w</u>	partment of Environments f such documents or addit rv.gov/oil-and-gas/pages/	al Protection headquional information re default.aspx.	narters, located at 601 57 th Selated to horizontal drilling	Street, SE, may be

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

Date of Noti	on: 5/7/2019 Date of Pl	anned Entry: 5/14/2019	an FORTY-FIVE (45) days prior to				
Delivery me	thod pursuant to West Virginia (Code § 22-6A-10a					
☐ PERSO	NAL REGISTERED	☐ METHOD OF DELIVERY THAT R	EQUIRES A				
SERVIC	CE MAIL	RECEIPT OR SIGNATURE CONFID	RMATION				
on to the surfice to more to the more the such such owner of min and Sediment decretary, when able the surfice to the surfice	face tract to conduct any plat surve- than forty-five days prior to such e- tract that has filed a declaration pu- terals underlying such tract in the c t Control Manual and the statutes a nich statement shall include contact rface owner to obtain copies from the	Prior to filing a permit application, the operatory's required pursuant to this article. Such notice atry to: (1) The surface owner of such tract; (2) insuant to section thirty-six, article six, chapter to ounty tax records. The notice shall include a stand rules related to oil and gas exploration and participation, including the address for a web participation.	shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the				
otice is her	eby provided to:						
SURFA	CE OWNER(s)	☐ COAL OWNER OR LE	ESSEE				
lame:		Name:	Name:				
.ddress:		Address:					
ame:							
ddress:		■ MINERAL OWNER(s)					
		Name: Carla J. Watkins aka Carla Da	avis, fik/a Carla Carswell				
lame:		Address: 370 Manor Drive					
ddress:							
		*please attach additional forms if ne	ecessary				
ursuant to W	reby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia	notice is hereby given that the undersigned wel	l operator is planning entry to conduct				
ursuant to W plat survey tate: ounty:	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows:	notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access:	l operator is planning entry to conduct				
ursuant to W plat survey tate: ounty: district:	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty	notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed:	l operator is planning entry to conduct				
ursuant to W	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall	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				
dursuant to We plat survey of tate: County: District: Quadrangle: Copies of the nay be obtain Charleston, We btained from	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV 1/V 25304 (304-926-0450). Copies the Secretary by visiting www.de	notice is hereby given that the undersigned wel Approx. Latitude & Longitude: Public Road Access: Watershed:	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				
ursuant to W plat survey tate: ounty: bistrict: buadrangle: copies of the hay be obtain harleston, W btained from	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV V 25304 (304-926-0450). Copies the Secretary by visiting www.deserby given by:	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 rep.wv.gov/oil-and-gas/pages/default.aspx.	Il 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 57th Street, SE, related to horizontal drilling may be RECEIVED Office of Oil and G				
ursuant to W plat survey tate: county: bistrict: buadrangle: copies of the ray be obtain charleston, W btained from lotice is her lell Operator	Vest Virginia Code § 22-6A-10(a), on 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.deserby given by: r: SWN PRODUCTION COMPANY, LLC	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 of sof such documents or additional information rep.wv.gov/oil-and-gas/pages/default.aspx. Address: 1300 Fort Pierpont, Dr.,	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 RECEIVED Office of Oil and G				
dursuant to We plat survey of tate: County: District: Quadrangle: Copies of the nay be obtain Charleston, We btained from	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall Liberty Littleton state Erosion and Sediment Controlled from the Secretary, at the WV V 25304 (304-926-0450). Copies the Secretary by visiting www.deserby given by:	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 rep.wv.gov/oil-and-gas/pages/default.aspx.	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 RECEIVED Office of Oil and G				

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 pro	vided at least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (4	(5) days prior to		
entry Date of Notice	ce: 5/7/2019 Date of Pla	nned Entry: 5/14/2019					
Delivery me	thod pursuant to West Virginia (Code § 22-6A-10a					
☐ PERSO	NAL REGISTERED	☐ METHOD OF DE	METHOD OF DELIVERY THAT REQUIRES A				
SERVIC		RECEIPT OR SIG					
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh	Vest Virginia Code § 22-6A-10(a), ace tract to conduct any plat survey han forty-five days prior to such er tract that has filed a declaration puerals underlying such tract in the control Manual and the statutes a lich statement shall include contact face owner to obtain copies from the control of the control of the contact of the control of the control of the contact of the control of the control of the contact of the control of the contact of the control of the con	ys required pursuant to this a ntry to: (1) The surface owner ursuant to section thirty-six, a ounty tax records. The notion and rules related to oil and gate information, 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 to any owner or less wenty-two of this co atement that copies roduction may be o	least seven days see of coal seams ode; and (3) any of the state Erosion btained from the		
Notice is her	eby provided to:						
☐ SURFAC	CE OWNER(s)	□ COA	L OWNER OR LE	SSEE			
Name:	AND THE RESERVE TO SERVE THE PROPERTY OF THE P	Name:	Name:				
Address:		Address:	Address:				
Name:		2 24 25			-		
Address:		_ III MINI	MINERAL OWNER(s) Name: Nancy Jo Block				
Name:		Name: Na	ncy Jo Block 945 Spencer Lake Road		(
Address:		Address: Medina, OH 4			-		
			h additional forms if ne	cessary	-		
a plat survey (State: County:	Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia Marshall	Approx. Latit	ude & Longitude:	39.733900, -80.623393 Greenfield Road			
District:	Liberty	Watershed:	1.0	Fish Creek/Upper Fish Cr	eek		
Quadrangle:	Littleton	Generally use	d farm name:	Shawn Harlan			
may be obtain Charleston, W	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

	Requirement:	Notice shall be prov	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days p	rior to		
entry Date of Notice	e: 5/7/2019	Date of Plan	ned Er	ntry: 5/14/2019					
Delivery meth	od pursuant	to West Virginia Co	ode § 2	2-6A-10a					
☐ PERSON	IAI.	REGISTERED	П	METHOD OF DELIVERY THAT REQUIRES A					
SERVICE		MAIL			CEIPT OR SIGNATURE CONFIRMATION				
on to the surfa but no more th beneath such t owner of mine and Sediment Secretary, whi enable the surfa	ce tract to conc an forty-five d ract that has fi rals underlying Control Manua ch statement si 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	require ry to: (suant to unty tax d rules informa	ed pursuant to this as a little property of the surface owner of section thirty-six, as a records. The notic related to oil and gastion, including the a	rticle. Such notice : r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	r shall provide notice of plann shall be provided at least seve to any owner or lessee of coa wenty-two of this code; and (atement that copies of the stat production may be obtained fro age on the Secretary's web sit	en days I seams 3) any the Erosion om the		
Notice is here				П					
☐ SURFAC				2 A S S S S S S S S S S S S S S S S S S	L OWNER OR LE				
Name:			-0.	Name:	Name:				
Address:				Address:					
Name:									
Address:				■ MINI	MINERAL OWNER(s)				
				Name: Jen	nifer L. Rodriquez, aka Jennif	er Briere, f/k/a Jennifer Carswell			
Name:					217 S. 17th St				
Address:			-	Wilmington, N		-			
			-	*please attac	h additional forms if ne	cessary			
a plat survey o State:	est Virginia Co n the tract of la West Virginia	and as follows:		Approx. Latit	ude & Longitude:		conduct		
					Access:	Greenfield Road			
	Liberty			_ Watershed:	1 6	Fish Creek/Upper Fish Creek			
Quadrangle:	Littleton			_ Generally use	d farm name:	Shawn Harlan			
may be obtained Charleston, Wobtained from	ed from the Sec V 25304 (304) the Secretary b	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u>	epartme of such	ent of Environmenta documents or additi	l Protection headquional information r	il and gas exploration and pro uarters, located at 601 57 th Str elated to horizontal drilling m	reet, SE,		
may be obtained Charleston, Wobtained from Notice is her	ed from the Sec V 25304 (304) the Secretary be eby given by	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u>	epartme of such	ent of Environmenta documents or additi //oil-and-gas/pages/o	ll Protection headqi ional information r lefault.aspx.	uarters, located at 601 57 th Str elated to horizontal drilling m	reet, SE, nay be RECEIVED Office of Oil and Gas		
may be obtained Charleston, Woobtained from Notice is her Well Operator:	ed from the Sec V 25304 (304- the Secretary be eby given by SWN PRODUCT	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u>	epartme of such	ent of Environmenta documents or additi	Il Protection headquional information r lefault.aspx.	uarters, located at 601 57 th Str elated to horizontal drilling m	reet, SE, nay be		
may be obtained Charleston, W	ed from the Sec V 25304 (304) the Secretary be eby given by	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u>	epartme of such	ent of Environmenta documents or additi //oil-and-gas/pages/o	ll Protection headqi ional information r lefault.aspx.	uarters, located at 601 57 th Str elated to horizontal drilling m	reet, SE, nay be RECEIVED Office of Oil and Gas		

Oil and Gas Privacy Notice:

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 SE	VEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to	
Date of Notic	e: 5/7/2019	Date of Plan	nned Entry: 5/1	4/2019				
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10	a				
☐ PERSON	JAT I	REGISTERED	П метн	OD OF DEL	IVERY THAT R	FOLURES A		
SERVIC		MAIL			NATURE CONFIL			
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, who	ace tract to con han forty-five tract that has f erals underlyin Control Manuich statement	Code § 22-6A-10(a), Induct any plat surveys days prior to such entitled a declaration puring such tract in the contact and the statutes and shall include contact obtain copies from the	s required pursu try to: (1) The su- suant to section ounty tax records and rules related to information, inc	ant to this as urface owne thirty-six, a s. The notic o oil and gas	ticle. Such notice r of such tract; (2) rticle six, chapter e shall include a st s exploration and p	shall be provided at to any owner or les twenty-two of this o atement that copies production may be o	t least seven days see of coal seams code; and (3) any of the state Erosion obtained from the	
Notice is here	eby provided	to:						
☐ SURFAC	E OWNER(s)		☐ COA	L OWNER OR LE	ESSEE		
	the second second			Name:				
Address:				Name:Address:				
Name:				_			-	
Address:				MINI	ERAL OWNER(s)			
				Name: Joy	ce L. Lamb			
Name:					Foxboro Circle		_	
Address:			-	Jacksonville, A	R 72076		_	
			-	*please attac	h additional forms if no	ecessary		
	est Virginia C	Code § 22-6A-10(a), n land as follows:			e undersigned wel		ng entry to conduct	
County:	Marshall			blic Road A		Greenfield Road		
District:	Liberty		W	atershed:		Fish Creek/Upper Fish C	reek	
Quadrangle:	Littleton			enerally use	d farm name:	Shawn Harlan		
may be obtain Charleston, W	ed from the Selv 25304 (304) the Secretary reby given by	and Sediment Control ecretary, at the WV D 4-926-0450). Copies by visiting www.dep y:	Department of Er of such docume n.wv.gov/oil-and	vironmenta ents or addit	l Protection headq onal information	uarters, located at 6 related to horizontal	01 57 th Street, SE, drilling may be RECEIVED Office of Oil and Gas	
Email:	brittany_woody	@swn.com		Facsimile:	304-884-1690		OCT - 3 2019	
Oil and Gas	Privacy No					phone number, as p	WV Department of Environmental Protection art 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	Requirement:	Notice shall be prov	ided at least SE	EVEN (7) da	ys but no more tha	n FORTY-FIVE (45) day	ys prior to
	ce: 5/7/2019	Date of Plan	ned Entry: 5/1	4/2019			
Delivery me	thod pursuant	to West Virginia Co	ode § 22-6A-10	la			
☐ PERSO	NAI.	REGISTERED	□ метн	OD OF DEI	IVERY THAT RE	EOUIRES A	
SERVIC		MAIL			NATURE CONFIR		
on to the surf but no more to beneath such owner of min and Sedimen Secretary, when able the sur	ace 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 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	s required pursuity to: (1) The s suant to section unty tax records d rules related to information, incommentation, incommentation.	unt to this a urface owned thirty-six, a s. The notice to oil and ga	rticle. Such notice of such tract; (2) r of such tract; (2) rticle six, chapter the shall include a state of state of state of the st	r shall provide notice of pl shall be provided at least s to any owner or lessee of wenty-two of this code; a atement that copies of the production may be obtaine age on the Secretary's wel	seven days coal seams nd (3) any state Erosion d from the
Notice is her	eby provided t	0:					
	CE OWNER(s)			☐ COA	L OWNER OR LE	SSEE	
Name:				Name:			
Address:			-	Address:			
Name:				-	K		
Address:			-		ERAL OWNER(s)		
			-		n G. Kirkbride		
Name:			-	Address: Canton, OH 4	PO Box 80135		
Address.				The same of the sa	h additional forms if ne	cessary	
	Vest Virginia Co on the tract of la West Virginia Marshall	and as follows:	A P		ude & Longitude:	l operator is planning entr 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek	y to conduct
Quadrangle:	Littleton				d farm name:	Shawn Harlan	
Copies of the may be obtain Charleston, V	state Erosion and from the Service VV 25304 (304	cretary, at the WV D	Manual and the epartment of En	e statutes an nvironmenta ents or addit	d rules related to o l Protection headquional information r	il and gas exploration and uarters, located at 601 57 th elated to horizontal drillin	Street, SE,
	reby given by	7:					RECEIVED Office of Oil and Gas
Well Operato	r: SWN PRODUCT	TION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	Suite 201	
Telephone:	304-884-1610				Morgantown, WV 26508		OCI = 3 2019
Email:	brittany_woody@	gswn.com		Facsimile:	304-884-1690		
Oil and Gas	Privacy Noti	ice:	N. 600 No.				WV Department of Environmental Protection

4705102284

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

Dallaraman	thad nove	ant to Wast Viusinia C	da 8 22.64.10a			
Delivery me	tnoa pursu	ant to West Virginia Co	de 9 22-0A-10a			
☐ PERSO	NAL	■ REGISTERED	☐ METHOD OF DEI	LIVERY THAT RE	EQUIRES A	
SERVI	CE	MAIL	RECEIPT OR SIGN	NATURE CONFIR	MATION	
on to the sur but no more beneath such owner of min and Sedimer Secretary, we enable the su	face tract to than forty-fir tract that ha nerals underl it Control Ma hich stateme irface owner	conduct any plat surveys we days prior to such ent is filed a declaration pur ying such tract in the co anual and the statutes an int shall include contact to obtain copies from the	rior to filing a permit appli required pursuant to this a ry to: (1) The surface owne suant to section thirty-six, a unty tax records. The notic d rules related to oil and ga information, including the a e 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 least se to any owner or lessee of wenty-two of this code; as atement that copies of the roduction may be obtaine	seven days coal seams nd (3) any state Erosion d from the
Notice is he	reby provid	ed to:				
☐ SURFA	CE OWNER	t(s)	☐ COA	L OWNER OR LE	SSEE	
Name:			Name:			
Address:			Address:			
Name:				and Transport		
Address:			_ MINI	ERAL OWNER(s)		
XT			Name: Me	Todd Carswell		
Name:			Address: Shelby, NC 28	1117 Toms St.		
Address			*please attac	h additional forms if ne		
	West Virginia on the tract West Virginia Marshall	i: a Code § 22-6A-10(a), n of land as follows:	Public Road A Watershed:	ude & Longitude:	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek	
County: District:	Liberty					
County:			Generally use	d farm name:	Shawn Harlan	
County: District: Quadrangle: Copies of the may be obtai Charleston, V	e state Erosio ned from the WV 25304 (Secretary, at the WV D 304-926-0450). Copies	Manual and the statutes an epartment of Environmenta of such documents or addit	d rules related to o il Protection headq ional information r	il and gas exploration and uarters, located at 601 57th	production h Street, SE,
County: District: Quadrangle: Copies of the may be obtai Charleston, V obtained from	Estate Erosic ned from the WV 25304 (In the Secreta	Secretary, at the WV D 304-926-0450). Copies try by visiting <u>www.dep</u>	Manual and the statutes an epartment of Environments of such documents or addit	d rules related to o il Protection headq ional information r	il and gas exploration and uarters, located at 601 57th	production Street, SE, ag may be
County: District: Quadrangle: Copies of the may be obtai Charleston, V obtained from Notice is he	e state Erosio ned from the WV 25304 (n the Secreta	e Secretary, at the WV D 304-926-0450). Copies ary by visiting <u>www.dep</u> by:	Manual and the statutes an epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/	d rules related to o il Protection headq ional information r default.aspx.	il and gas exploration and uarters, located at 601 57 th elated to horizontal drillin	production h Street, SE, ag may be
County: District: Quadrangle: Copies of the may be obtai Charleston, V obtained from Notice is he	e state Erosio ned from the WV 25304 (n the Secreta	E Secretary, at the WV D 304-926-0450). Copies ary by visiting <u>www.dep</u> by:	Manual and the statutes an epartment of Environments of such documents or addit	d rules related to o il Protection headq ional information r	il and gas exploration and uarters, located at 601 57 th elated to horizontal drillin Suite 201	production Street, SE, ag may be

4705102284

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

	Requirement:	Notice shall be provide	led at le	ast SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) day	s prior to	
entry Date of Noti	ce: 5/7/2019	Date of Plans	ed Ent	ry: 5/14/2019				
Delivery me	thod pursuant	to West Virginia Co	le § 22-	6A-10a				
☐ PERSO	NAL I	REGISTERED	\square N	METHOD OF DEL	LIVERY THAT RI	EQUIRES A		
SERVIC	CE	MAIL	R	ECEIPT OR SIGN	NATURE CONFIR	RMATION		
on to the surf but no more to beneath such owner of min and Sedimen Secretary, when able the su	face tract to con- than forty-five of tract that has fi- terals underlying t Control Manua- tich statement si rface owner to con-	duct any plat surveys a lays prior to such entry led a declaration pursug such tract in the could and the statutes and hall include contact in obtain copies from the	required y to: (1) nant to se nty tax r rules re formation	pursuant to this as The surface owne ection thirty-six, a records. The notic lated to oil and gas on, including the a	rticle. Such notice r of such tract; (2) rticle six, chapter t e shall include a st s exploration and p	r shall provide notice of pl shall be provided at least s to any owner or lessee of wenty-two of this code; ar atement that copies of the production may be obtained age on the Secretary's well	even days coal seams nd (3) any state Erosion d from the	
Notice is her	eby provided t	0:						
☐ SURFAC	CE OWNER(s)			□ coa	L OWNER OR LE	SSEE		
				Name:				
Address:				Address:				
Name:				-				
Address:				MINI	ERAL OWNER(s)			
				Name: Ste	phen W. Burge			
Name:					PO Box 2547			
Address:				Westerville, O				
-				*please attac	h additional forms if ne	ecessary		
a plat survey State:	Vest Virginia Co on the tract of la West Virginia	and as follows:		Approx. Latit	ude & Longitude:	operator is planning entry	y to conduct	
County:					Access:	Greenfield Road		
District:					1.0	Fish Creek/Upper Fish Creek		
Quadrangle:	Littleton			Generally use	d farm name:	Shawn Harlan		
may be obtain Charleston, V	ned from the Sec VV 25304 (304-	cretary, at the WV De	partmen f such de	t of Environmenta ocuments or additi	l Protection headquional information r	il and gas exploration and uarters, located at 601 57 th elated to horizontal drillin	Street, SE,	
Notice is be	rahv givan be						RECEIVE Office of Oil ar	
Well Operato	reby given by	TON COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	Suite 201		
Telephone:	304-884-1610	, OOM AND, LLO			Morgantown, WV 26508		OCT - 3 2	2019
Email:	brittany_woody@	swn.com		Facsimile:	304-884-1690		WV Departm	ant of
							Environmental P	rolectio
	Privacy Noti		informa	ation, such as name	e, address and teler	phone number, as part of o	ur regulatory	

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

entry	7		ned Entry: 5/14/2019	ays but no more ma	III FORT 1-FIVE (43) ua	ys prior to
		to West Virginia Co				
PERSO:	NAL 🔳	REGISTERED MAIL	☐ METHOD OF DE	LIVERY THAT RE		
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh enable the sur	han forty-five d tract that has fil erals underlying Control Manua iich statement sl rface owner to o	duct any plat surveys ays prior to such ent ed a declaration purs g such tract in the con all and the statutes an hall include contact in obtain copies from the	Prior to filing a permit apply a required pursuant to this ary to: (1) The surface own suant to section thirty-six, unty tax records. The notion of the related to oil and guinformation, including the e secretary.	article. Such notice are of such tract; (2) article six, chapter to ce shall include a stas exploration and p	shall be provided at least a to any owner or lessee of twenty-two of this code; a atement that copies of the production may be obtaine	seven days coal seams nd (3) any state Erosion d from the
	eby provided to		-			
☐ SURFAC	CE OWNER(s)		☐ co.	AL OWNER OR LE	ESSEE	
Name:			Name: _			
Address:						
Name:						
Address:			MIN	JERAL OWNER(s)		
			Name: 1	racey Barnby		
Name:			Address:	3752 Dotwood Street NW	1	
Address			New Canton	, OH 44/20 ach additional forms if ne	- Caccaru	
a plat survey	est Virginia Co on the tract of la		otice is hereby given that			y to conduct
State:	267734 767		n. I.I. n I	itude & Longitude:	39.733900, -80.623393	
County: District:	K-44133 7 (7)		*** * * *	Access:	Greenfield Road Fish Creek/Upper Fish Creek	
Quadrangle:	Littleton			ed farm name:	Shawn Harlan	
Copies of the may be obtain Charleston, W	state Erosion ar ned from the Sec VV 25304 (304-	cretary, at the WV D -926-0450). Copies	Manual and the statutes a repartment of Environment of such documents or additional and gas/pages	nd rules related to o tal Protection headq tional information r	il and gas exploration and uarters, located at 601 57 ^t	h Street, SE, ng may be
						RECEIVED Office of Cili and Gas
Well Operator	reby given by		Address:	1200 5- 4 5	Culta SO4	OCT 2 200
Wen Operator Telephone:		ION COMPANY, LLC	Address.	1300 Fort Pierpont, Dr.,		OCT - 3 2019
Email:	304-884-1610	and the same	Facsimile:	Morgantown, WV 26508 304-884-1690		WV Department of
Latticill.	brittany_woody@	SWILCOITI	racsiiiile:			

Oil and Gas Privacy Notice:

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

Denvery int	thod pursuant to West Virginia	Code § 22-6A-10a			
□ PERSO		☐ METHOD OF DELIV RECEIPT OR SIGNA			
on to the sur but no more beneath such owner of min and Sedimer Secretary, we enable the su	West Virginia Code § 22-6A-10(a), face tract to conduct any plat surve than forty-five days prior to such e tract that has filed a declaration punerals underlying such tract in the cut Control Manual and the statutes a hich statement shall include contact arface owner to obtain copies from reby provided to:	ys required pursuant to this artic ntry to: (1) The surface owner of ursuant to section thirty-six, artic county tax records. The notice sl and rules related to oil and gas ex t information, including the addr	le. Such notice so f such tract; (2) the six, chapter to hall include a sta eploration and p	shall be provided to any owner or le wenty-two of this atement that copie roduction may be	at least seven days essee of coal seams code; and (3) any es of the state Erosion obtained from the
	CE OWNER(s)		WNER OR LE		
Name:		Name:			
Address:					_
Name:		_			_
Address:		MINER	AL OWNER(s)		
		Name: Laura R	. Baker		
Name:		Address: 110 Minneola, FL 3471	Breezy Knoll St.		
Address.			ditional forms if ne		-
Pursuant to V	ereby given: Vest Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia	Approx. Latitude	& Longitude:	39.733900, -80.623393 Greenfield Road	1
State: County: District:	Marshall Liberty	Watershed: Generally used fa	arm name:	Shawn Harlan	Creek
State: County: District: Quadrangle: Copies of the may be obtai Charleston, V	Marshall Liberty	Watershed: Generally used for the statutes and run Department of Environmental Press of such documents or additions	ules related to oi rotection headqual information re	Shawn Harlan il and gas explorat uarters, located at	tion and production 601 57 th Street, SE,
State: County: District: Quadrangle: Copies of the may be obtai Charleston, V obtained from Notice is he	Marshell Liberty Littleton e state Erosion and Sediment Control and from the Secretary, at the WV VV 25304 (304-926-0450). Copie and the Secretary by visiting www.de	Watershed: Generally used factorized from the statutes and run Department of Environmental Press of such documents or additional p.wv.gov/oil-and-gas/pages/defactorized from the statutes and run Department of Environmental Press of such documents or additional p.wv.gov/oil-and-gas/pages/defactorized from the statutes and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of such documents or additional pages and run Department of Environmental Press of Such Press of	ales related to oi rotection headqual information re ault.aspx.	Shawn Harlan il and gas explorat uarters, located at elated to horizonts	tion and production 601 57 th Street, SE, al drilling may be
State: County: District: Quadrangle: Copies of the may be obtai Charleston, N obtained from Notice is he Well Operate	Marshall Liberty Littleton e state Erosion and Sediment Control and from the Secretary, at the WV VV 25304 (304-926-0450). Copie and the Secretary by visiting www.de areby given by: ar: SWN PRODUCTION COMPANY, LLC	Watershed: Generally used fa ol Manual and the statutes and ru Department of Environmental Press of such documents or additional ep.wv.gov/oil-and-gas/pages/defa Address: 13	alles related to oi rotection headqual information re ault.aspx.	Shawn Harlan il and gas explorat uarters, located at elated to horizonta	tion and production 601 57 th Street, SE, al drilling may be
State: County: District: Quadrangle: Copies of the may be obtai Charleston, Vobtained from	Marshell Liberty Littleton e state Erosion and Sediment Control and from the Secretary, at the WV VV 25304 (304-926-0450). Copie and the Secretary by visiting www.de	Watershed: Generally used fa ol Manual and the statutes and ru Department of Environmental Press of such documents or additional p.wv.gov/oil-and-gas/pages/defa Address: Address: Address:	ales related to oi rotection headqual information re ault.aspx.	Shawn Harlan il and gas explorat uarters, located at elated to horizonta	tion and production 601 57 th Street, SE, al drilling may be

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

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

entry Date o		5/7/2019			ntry: 5/14/2019		n FORTY-FIVE (45) days	
			to West Virginia Co	de § 2:	2-6A-10a			
		_		100			TOT HTDER A	
	ERSONA	L 🔳	REGISTERED	П	METHOD OF DELI			
SI	ERVICE		MAIL		RECEIPT OR SIGN.	ATURE CONFIR	MATION	
on to the but no beneath owner and Se Secreta	he surface more than h such trace of mineral diment Co ary, which	forty-five do forty-five do to that has fill s underlying ontrol Manual statement sh	duct any plat surveys ays prior to such ent ed a declaration purs such tract in the cou al and the statutes and	require ry to: (suant to unty tax d rules nforma	ed pursuant to this art 1) The surface owner 2 section thirty-six, art 3 records. The notice related to oil and gas tion, including the ad	icle. Such notice sof such tract; (2) ticle six, chapter the shall include a state exploration and p	shall provide notice of plashall be provided at least so to any owner or lessee of conventy-two of this code; an attement that copies of the stroduction may be obtained age on the Secretary's web	even days coal seams d (3) any state Erosion I from the
Notice	is hereby	provided to	0;					
□ st	URFACE	OWNER(s)				OWNER OR LE		
					Name:			
Addres					Address:			
Name:						Ver Aug textino	-	
Addres	SS:					RAL OWNER(s)		
Mamai					Name: Sand	ra Eileen Rush		
Addres					Address: 63	294/Gamble Road	-	
Addics						additional forms if ne	cessary	
Pursua a plat s State:	survey on t	Virginia Co he tract of la est Virginia	and as follows:		Approx. Latitu	de & Longitude:	Contract of the second second	to conduct
County	_					ccess:	Greenfield Road	
Distric		leton		_	The state of the s	farm name:	Fish Creek/Upper Fish Creek	
Quadra	angle: Litt	te Erosion ar	nd Sediment Control cretary, at the WV D	Manua epartm of such	Generally used and the statutes and ent of Environmental documents or additional documents or addition	rules related to of Protection headquard information r	il and gas exploration and parters, located at 601 57 th related to horizontal drilling	production Street, SE,
may be Charles	obtained ston, WV			11/1) 000	Mail and analmanaged			
may be Charles	obtained ston, WV		y visiting www.dep.	wv.gov	//oil-and-gas/pages/de	eraurt.aspx.		RECEIVED
may be Charles obtaine	e obtained ston, WV ed from the		y visiting <u>www.dep.</u>	WV.gov	//ojl-and-gas/pages/de	craurt.aspx.		RECEIVED Office of Oil and G
may be Charles obtaine Notice Well O	e obtained ston, WV ed from the e is hereb perator:	Secretary by	y visiting <u>www.dep.</u>	WV.gov	Address:	1300 Fort Pierpont, Dr	Suite 201	Office of Oil and G
may be Charles obtaine	e obtained ston, WV ed from the e is hereb operator: one:	Secretary by	y visiting <u>www.dep.</u>	wv.gov				Office of Oil and G

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

Noti		Requirement	: Notice shall be provi	ded at le	east SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to
		e: 5/7/2019	Date of Plan	ned En	try: 5/14/2019			
Deli	very met	hod pursuan	t to West Virginia Co	de § 22-	-6A-10a			
П	PERSON	JAT.	REGISTERED		METHOD OF DEL	IVERY THAT RE	QUIRES A	
_	SERVIC		MAIL		RECEIPT OR SIGN			
on to but r bene own and Secr enab	o the surfa- no more the eath such the er of mine Sediment etary, while the sur	ace tract to con nan forty-five tract that has the erals underlying Control Manuich statement face owner to	Code § 22-6A-10(a), Product any plat surveys days prior to such entifiled a declaration pursing such tract in the could and the statutes and shall include contact in obtain copies from the	required y to: (1) uant to: inty tax d rules re 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) t ticle six, chapter to shall include a state exploration and pa	hall be provided at its 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
Noti	ce is here	eby provided	to:					
	SURFAC	E OWNER(s	()		☐ COAL	OWNER OR LE	SSEE	
Nam	ie:				Name:			
Add	ress:				Address:			
Nam	ie:							
Add	ress:			-		RAL OWNER(s)		
					Name: Don	othy Jean Meier		
Nam	ne:				Address:	214 Wellington Rd		
Add	ress:			3.	Wilmington, DE	19803 additional forms if ne	cessarv	
Purs	uant to W	reby given: est Virginia (on the tract of West Virginia	Code § 22-6A-10(a), no land as follows:	otice is l		e undersigned well	operator is planning	entry to conduct
Cou	nty:	Marshall			Public Road A	ccess:	Greenfield Road	
Dist		Liberty			Watershed:		Fish Creek/Upper Fish Cree	ek
Qua	drangle:	Littleton			Generally use	d farm name:	Shawn Harlan	
may Chai	be obtain	red from the S VV 25304 (30	and Sediment Control Secretary, at the WV D 04-926-0450). Copies by visiting www.dep.	epartme of such	nt of Environmenta documents or additi	l Protection headquonal information re	larters, located at 60	1 57 th Street, SE,
		reby given b	4					Office of Oil and Gas
	Operator		CTION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	Suite 201	
	phone:	304-884-1610			_, , , , , , , , , , , ,	Morgantown, WV 26508		OCT - 32019
Ema		brittany_wood			Facsimile:	304-884-1690		AANEN
								WW De, settingen; of Environmental Protection
Oil	and Cas	Privacy No	tice-					

Oil and Gas Privacy Notice:

Operator Well No. Shawn Harian MSH

WW-6A3 (1/12)

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

entry	Requirement:		ided at least SEVEN (7) da ned Entry: 5/14/2019	ys but no more than	n FORTY-FIVE (45) day	s prior to
	1	to West Virginia Co	de § 22-6A-10a			
☐ PERSO	NAI 🔳	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	OUIRES A	
SERVIC		MAIL	RECEIPT OR SIGN			
on to the surfi- but no more the beneath such owner of min- and Sediment Secretary, whenable the sur	ace tract to con- han forty-five of tract that has fi- erals underlying Control Manu- ich statement s face owner to con-	duct any plat surveys lays prior to such entralled a declaration purse g such tract in the could all and the statutes and hall include contact in obtain copies from the	rior to filing a permit application required pursuant to this arry to: (1) The surface owners and to section thirty-six, a cunty tax records. The notice of rules related to oil and gas information, including the age secretary.	ticle. 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 least so to any owner or lessee of o wenty-two of this code; an atement that copies of the s roduction may be obtained	even days oal seams d (3) any state Erosion I from the
Notice is her	eby provided t	0:				
☐ SURFAC	CE OWNER(s)			LOWNER OR LE		
Name:						
Address:			Address:			
Name:				acto amb lubri		
Address:			- MINI	ERAL OWNER(s)		
. T			Name: Eric	a M. Mason		
Name:				PO Box 165, Lot 5		
Address				h additional forms if ne	cessary	
a plat survey o State: County: District:	Vest Virginia Co on the tract of l West Virginia Marshall Liberty	ode § 22-6A-10(a), no and as follows:	Public Road A Watershed:	ude & Longitude: Access:	39,733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek	to conduct
Quadrangle:	Littleton		Generally use	d farm name:	Shawn Harlan	
may be obtain Charleston, W obtained from	ted from the Se V 25304 (304) the Secretary by reby given by	cretary, at the WV D -926-0450). Copies by 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 headquoinal information re	uarters, located at 601 57 th elated to horizontal drilling	Street, SE, g may be
Telephone:	304-884-1610			Morgantown, WV 26508		Office of Oll and Gas
Email:	brittany_woody@	gswn.com	Facsimile:	304-884-1690		OCT 9 2040
Oil and Gas	Privacy Not	ice:				OCT = 3 2019

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

AOLI	ce Time F	lequirement:	Notice shall be prov	ided at least SEVEN (7)	days but no more tha	an FORTY-FIVE (45) days prior to
entry Date		: 5/7/2019	Date of Plan	ned Entry: 5/14/2019		
Deli	very meth	od pursuant t	to West Virginia Co	de § 22-6A-10a		
	PERSON	AL 🔳	REGISTERED	☐ METHOD OF D	ELIVERY THAT RI	EQUIRES A
	SERVICE		MAIL	RECEIPT OR SI	GNATURE CONFIR	RMATION
but no bene bene bene bene and S Secre enab	o the surface no more the eath such the er of mine Sediment (etary, which le the surf	ce tract to cond an forty-five da act that has fil- rals underlying Control Manua ch statement sh	duct any plat surveys ays prior to such ent ed a declaration pur- g such tract in the co- al and the statutes an hall include contact in btain copies from th	required pursuant to thi ry to: (1) The surface over suant to section thirty-size unty tax records. The no d rules related to oil and information, including the	s article. Such notice oner of such tract; (2) s, article six, chapter to tice shall include a st gas exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the page on the Secretary's web site, to
		E OWNER(s)		П«	OAL OWNER OR LE	CCCEE
					E	
Nam Addi	ress:				s:	
Addı	ress:			■ M	NERAL OWNER(s)	
0.71-				Name:	Stacy C. Lyons	
Vam	et			Addres	S: 5207 Hampton Rd	
Addı	ress:			Clemmon	s, NC 27012	
				*please a	ttach additional forms if ne	ecessary
		the second second				
Pursi a pla State Cour Distr	uant to We t survey of the	n the tract of la West Virginia Marshall Liberty	ode § 22-6A-10(a), n and as follows:	Approx. L Public Roa Watershed	atitude & Longitude: ad Access:	Il operator is planning entry to conduct 39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harian
Pursu plant plant Cour Distr Quac Copi may Char bbtai Noti	uant to We t survey o t the trict: drangle: es of the s be obtaine deston, W ined from ice is her Operator:	est Virginia Con the tract of la West Virginia Marshall Liberty Littleton tate Erosion and from the Sec V 25304 (304- the Secretary be eby given by swn product	and as follows: and Sediment Control cretary, at the WV D926-0450). Copies by visiting www.dep	Approx. L Public Ros Watershed Generally Manual and the statutes epartment of Environme	atitude & Longitude: ad Access: : used farm name: and rules related to o ental Protection headq ditional information i es/default.aspx.	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harian oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Pursu a pla a pla State Cour Distr Quac Copi may Char hobtai Well	uant to We it survey of it inty: ict: drangle: les of the s be obtaine leston, W ined from ice is her Operator: phone:	est Virginia Con the tract of la West Virginia Marshall Liberty Littleton tate Erosion and from the Sector 25304 (304-the Secretary by eby given by	and as follows: and Sediment Control cretary, at the WV D -926-0450). Copies by visiting www.dep	Approx, L. Public Roa Watershed Generally Manual and the statutes epartment of Environme of such documents or ad wv.gov/oil-and-gas/pag	atitude & Longitude: ad Access: : used farm name: and rules related to o ental Protection headq ditional information res/default.aspx. : 1300 Fort Pierpont, Dr. Morgantown, WV 2650	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harian oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be

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

	Requirement:	Notice shall be prov	vided at least SE	VEN (7) da	ys but no more tha	n FORTY-FIVE (45) days p	orior to	
entry Date of Notice	ce: 5/7/2019	Date of Plan	nned Entry: 5/1	4/2019				
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10	a				
☐ PERSO	NAL 🔳	REGISTERED	□ метн	OD OF DEL	IVERY THAT RE	EQUIRES A		
SERVIC		MAIL			NATURE CONFIR			
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 underlyin Control Manu ich statement serface owner to o	duct any plat survey: days prior to such enti- led a declaration pur- g such tract in the co- al and the statutes and thall include contact obtain copies from the	s required pursu try to: (1) The s rsuant to section punty tax records and rules related to information, incomparts.	ant to this as urface owne thirty-six, a s. The notic to oil and gas	rticle. Such notice : r of such tract; (2) rticle six, chapter t e shall include a st s exploration and p	r shall provide notice of plans shall be provided at least sevent to any owner or lessee of coatwenty-two of this code; and attement that copies of the state or oduction may be obtained finage on the Secretary's web significant of the secretary's web significant controls.	en days al seams (3) any te Erosion rom the	i
Notice is her	eby provided t	to:						
☐ SURFAC	CE OWNER(s)			☐ COA	L OWNER OR LE	ESSEE		
				Name:				
Address:			_0					
Name:			-	-				
Address:			300	I MINI	ERAL OWNER(s)			
			=		ad E. Longfellow			
Name:			-		2580 State St. NW			
Address:			-	Union Town, C	on 44685 h additional forms if ne	enescan/		
Notice is he Pursuant to W a plat survey State: County: District: Quadrangle:	Vest Virginia Con the tract of I West Virginia Marshall	ode § 22-6A-10(a), n and as follows:	A	approx. Latit ublic Road A Vatershed:	ude & Longitude:	39.733900, -80.623393 Greenfield Road Fish Creek/Upper Fish Creek Shawn Harlan		_
Quadrangle.	Littleton			ichiciany use	u failli ffaille.	Stiewin Hariest		_
may be obtain Charleston, W obtained from	ned from the Se VV 25304 (304	cretary, at the WV E 4-926-0450). Copies by visiting <u>www.dep</u>	Department of E of such docume	nvironmenta ents or addit	l Protection headq ional information r	il and gas exploration and pro uarters, located at 601 57 th St related to horizontal drilling r	treet, SE, nay be	CCIVED
Well Operato	r: SWN PRODUC	TION COMPANY, LLC		Address:	1300 Fort Pierpont, Dr.,	, Suite 201	Office o	CEIVED of Oil and Gas
Telephone:	304-884-1610			P. v. (7)	Mergantown, WV 26506	8	OCT	9 0010
Email:	brittany_woody@	@swn.com		Facsimile:	304-884-1690		ULI	- 3 2019
Oil and Gas	Privacy Not	ice:	al informatio	auch as sa	a addusas d 4-1	nhana mumhar sa sant af ave	WV D∈ Environme	ppartment of ental Protection

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

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

Notice Time Date of Noti			at least TEN (10) days prior to filing a Permit Application Filed:	permit application	l.
Delivery me	thod pursuant to	o West Virginia Code	§ 22-6A-16(b)		
☐ HAND		CERTIFIED MAIL			
DELIVI		RETURN RECEIPT R	EQUESTED		
receipt reque drilling a hor of this subsection m	sted or hand deli- rizontal well: Pro- ction as of the data ay be waived in	very, give the surface of ovided, That notice give the notice was provide writing by the surface of	days prior to filing a permit application, owner notice of its intent to enter upon the en pursuant to subsection (a), section teded to the surface owner: <i>Provided, howowner</i> . The notice, if required, shall incl address of the operator and the operator	ne surface owner's on of this article sa vever, That the not ude the name, add	land for the purpose of tisfies the requirements ice requirements of this ress, telephone number,
Notice is he	reby provided	to the SURFACE C	OWNER(s):		
Name: Shawn			Name;		
- 12:111 2270 209	79 Proctor Creek Road		Address:		
New Martinsville	, WV 26155		4		
State: County: District: Quadrangle: Watershed:	West Virginia 051-Marshall Liberty Littleton Laurel Run of Fish C	Creek	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	532,277,172 4,398,288.853 Greenfield Road Shawn Harlan	
Pursuant to 'facsimile nur related to hor	West Virginia C nber and electro rizontal drilling r	ode § 22-6A-16(b), the nic mail address of the may be obtained from	is notice shall include the name, address operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting		

Operator Well-No. shewh Harlan MSH 10H 7

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

	e: 07/12/2019 Date Perm	ed no later than the filing nit Application Filed:	4 graffa	
Delivery met	hod pursuant to West Virginia Cod	de § 22-6A-16(c)	A L	
CERTU	FIED MAIL	☐ HAND		
	RN RECEIPT REQUESTED	DELIVERY		
				and the second s
return receipt the planned of required to be drilling of a hadamages to the (d) The notice of notice.	requested or hand delivery, give the operation. The notice required by the provided by subsection (b), section to norizontal well; and (3) A proposed e surface affected by oil and gas opered as required by this section shall be given.	surface owner whose land his subsection shall inclu- ten of this article to a surf- surface use and compen- rations to the extent the da- ven to the surface owner	I will be used for de: (1) A copy ace owner whos sation agreemen amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information are land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	eby provided to the SURFACE OW			
(at the address Name: Shawn &	s listed in the records of the sheriff at	Name:		
	Proctor Creek Road	Addres	2.	
New Martinsville, \		Addres		
		tice is hereby given that t	ne undersioned v	well operator has developed a planned
Pursuant to W operation on State: County:	est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virginia 051-Marshall	ose of drilling a horizonta UTM NAD 8	I well on the tra Easting: Northing:	532,277.172 4,398,288.853
Pursuant to W operation on State: County: District:	Vest Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virginia 051-Marshall Liberty	ose of drilling a horizonta UTM NAD 8 Public Road	I well on the tra Easting: Northing: Access:	ct of land as follows: 532,277.172 4,398,288.853 Greenfield Road
	est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virginia 051-Marshall	ose of drilling a horizonta UTM NAD 8 Public Road	I well on the tra Easting: Northing:	ct of land as follows: 532,277.172 4,398,288.853
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We to be provide horizontal we surface affect information re-	rest Virginia Code § 22-6A-16(c), not the surface owner's land for the purpowest Virginia 051-Marshall Liberty Littleton Laurel Run of Fish Creek Test Virginia Code § 22-6A-16(c), this d by W. Va. Code § 22-6A-10(b) to the little of th	ose of drilling a horizonta UTM NAD 8 Public Road Generally use is notice shall include: (1 o a surface owner whose od compensation agreement the damages are constained from the Secretary and contained from the Secretary and con	Easting: Northing: Access: ed farm name: A copy of this e land will be unt containing an ompensable und	ct of land as follows: 532,277.172 4,398,288.853 Greenfield Road
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Work to be provide horizontal we surface affect information reheadquarters, gas/pages/defa	Vest Virginia Code § 22-6A-16(c), not the surface owner's land for the purpowest Virginia O51-Marshall Liberty Littleton Laurel Run of Fish Creek Chall Include: Vest Virginia Code § 22-6A-16(c), this dip W. Va. Code § 22-6A-10(b) to ll; and (3) A proposed surface use an ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, Cault.aspx.	UTM NAD 8 Public Road Generally use is notice shall include: (1 o a surface owner whose of compensation agreement the damages are coobtained from the Secret Charleston, WV 25304	Easting: Northing: Access: ed farm name: A copy of this e land will be unt containing an ompensable und eary, at the WV (304-926-0450)	ct of land as follows: 532,277.172 4,398,288.853 Greenfield Road Shawn Harlan code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Westo be provide horizontal we surface affect information reheadquarters, gas/pages/defa	Vest Virginia Code § 22-6A-16(c), not the surface owner's land for the purpose West Virginia 051-Marshall Liberty Littleton Laurel Run of Fish Creek Vest Virginia Code § 22-6A-16(c), this downward by W. Va. Code § 22-6A-10(b) to all; and (3) A proposed surface use an ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, Coault.aspx.	ose of drilling a horizonta UTM NAD 8 Public Road Generally use is notice shall include: (1 o a surface owner whose od compensation agreement the damages are constained from the Secretary and contained from the Secretary and con	Access: Access: Accepy of this eland will be underly at the WV (304-926-0450)	ct of land as follows: 532,277.172 4,398,288.853 Greenfield Road Shawn Harlan code section; (2) The information required used in conjunction with the drilling of a coffer 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-or., Suite 201 RECEIVED Office of Oil and Gas
Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Wood to be provide horizontal we surface affect information reheadquarters,	Vest Virginia Code § 22-6A-16(c), not the surface owner's land for the purpowest Virginia O51-Marshall Liberty Littleton Laurel Run of Fish Creek Chall Include: Vest Virginia Code § 22-6A-16(c), this dip W. Va. Code § 22-6A-10(b) to ll; and (3) A proposed surface use an ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, Cault.aspx.	ose of drilling a horizonta UTM NAD 8 Public Road Generally us is notice shall include: (1 to a surface owner whose and compensation agreeme extent the damages are coobtained from the Secre Charleston, WV 25304 Address:	Easting: Northing: Access: ed farm name: A copy of this e land will be unt containing an ompensable und eary, at the WV (304-926-0450)	ct of land as follows: 532,277.172 4,398,288.853 Greenfield Road Shawn Harlan code section; (2) The information required used in conjunction with the drilling of a coffer 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-or., Suite 201 RECEIVED Office of Oil and Gas



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 10H 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.

Dary K. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator RECEIVED
Office of On and Gas

OCT - 3 2019

WV Department of Environmental Protection

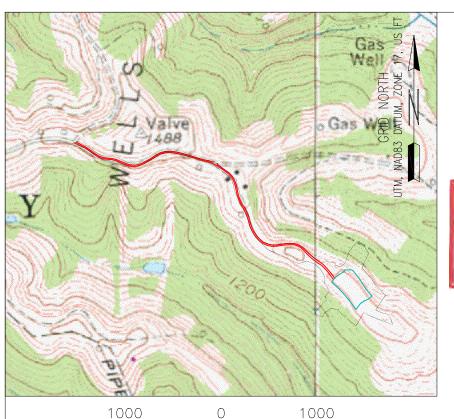
Cc: Brittany Woody Southwestern Energy

CH, OM, D-6

File

Attachment VI Frac Additives

Product Name	Product Use	Chemical Name REGEIVED	CAS Number
AI-303 (U.S. Well Services)	Mixture	Ethylene glycol Office of Oil and Gas	107-21 1
		Cinnamaldehyde	104-55 2
		Butyl cellosolve OCT - 3 2019	111-76 2
		Formic acid	64-18 6
		Polyether WV Department of	Proprietary
		Acetophenone, thiourea, formaldehyde polymervironmental Protection	68527-49 1
AP ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
Bactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol	68424-85-1 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
EC6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate Ethylene Glycol	Proprietary 107-21-1
ECG724A (Champion Tachralasias)	Disable		7722-84-1
EC6734A (Champion Technologies)	Biocide	Hydrogen Peroxide Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
Franc Cl200 (SWM Wall Sandard)	Corrosion Inhibitor	Methanol	67-56-1
Econo-Cl200 (SWN Well Services)	Corrosion inhibitor	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
	Contract Secretarian Contract Secretaria	Formaldehyde	50-00-0
Ecopol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
	non control	Citric Acid	77-92-9
	-	Water	7732-18-5
FDP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
	Theton Redder	Hydrotreated light petroleum distillate	64742-47-8
FLOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
	Triction reducer	Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
FLOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
FR-76 (Halliburton) GYPTRON T-390 (Champion Technologies)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
	7110001111000000	Inorganic Salt	Proprietary
	Scale Inhibitor	Methanol	67-56-1
	ocare minorcor	Nonylphenol Ethoxylate	Proprietary
HAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
HCL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
LP-65 MC (Halliburton)	ar benone Acid	Water	7732-18-5
	Scale Inhibitor	Organic phosphonate	Proprietary
	State Illinoitor	Ammonium Chloride	12125-02-9
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
Plexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
	riicuon neducel	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
Plexslick 953	Friction Reducer	Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
	***	N,N-bis (2-hydroxyethyl) oleamide	93-83-4
Plexslick 957	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
WFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
		A STATE OF THE STA	



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

WVDEP OOG ACCEPTED AS-BUILT 10 / 27 / 2016

> 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



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

AS3.6 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

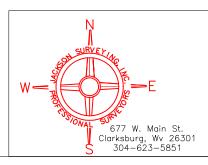
MRD6.3 RECLAMATION DETAILS

MRD6.4 DETAILS

DATE REVISION 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

