

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

Wednesday, February 6, 2019 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re:

Permit approval for CHARLES JAMISON MSH 8H

47-051-02127-00-00

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

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

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

James A. Martin

Chief

Operator's Well Number: CHARLES JAMISON MSH 8H Farm Name: CHARLES AND JEAN JAMIS

U.S. WELL NUMBER: 47-051-02127-00-00

Horizontal 6A New Drill

Date Issued: 2/6/2019

API N	Number:		
ONS	470	5	p2/08/20297

PERMIT CONDITIONS

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

CONDITIONS

- 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
- 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	Nı	ıml	ber	:_	
_		I.	7	Λ		402/08/2019

PERMIT CONDITIONS 4705102127

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 WW-6B (04/15) **47 0 5 1 0 2 1 2 7**02/08/2019

API NO. 47-051

OPERATOR WELL NO. Charles Jamison MSH 8H Well Pad Name: Charles Jamison MSH

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

1) Well Operator: SWN Produ	uction Co., LLC	494512924	Marshall	Liberty	Cameron
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: Ch	arles Jamison	MSH 8H Well Pag	l Name: Charl	es Jamison	MSH
3) Farm Name/Surface Owner:	Charles & Jean J	amison Public Roa	d Access: Gra	pevine Rido	ge Drive
4) Elevation, current ground:	1335' I	Elevation, proposed	post-constructi	on: 1358'	
5) Well Type (a) Gas x	Oil _	Unde	erground Storag	ge	
Other					
	llow x	Deep			
	izontal				
6) Existing Pad: Yes or No No	D 200 1 11	1 m 1 1		()	H
 Proposed Target Formation(s) Target Formation- Onondaga, Targe 					iated Pressure- 4688
8) Proposed Total Vertical Deptl	Company of the Company	194 610 196 610 1966			
9) Formation at Total Vertical D		na			
	70.101	94			
10) Proposed Total Measured De	epth: 7213'				
11) Proposed Horizontal Leg Le	ngth:				
12) Approximate Fresh Water St	trata Depths:	326'			
13) Method to Determine Fresh	Water Depths:	Salinity Profile			
14) Approximate Saltwater Dept		0.5 0.5 0.5 0.5 0.5 0.5			
15) Approximate Coal Seam Dep	pths: 1116'				
16) Approximate Depth to Possi	ble Void (coal n	nine, karst, other):	None that we	are aware c	of
17) Does Proposed well location directly overlying or adjacent to			No		
(a) If Yes, provide Mine Info:	Name: McE	Elroy Mine/Marsha	I County Mine	0	RECEIVED
	Depth: 106	0'			222
	Seam: Pitts	sburgh			24 2018
	Owner: Mur	ray Energy Corpor	ration	Envir	/V Department of onmental Protection

WW-6B (04/15)

47 0 5 1 0 2 1 2 7 API NO. 47- 051 - 02/08/2019

OPERATOR WELL NO. Charles Jamison MSH 8H

Well Pad Name: Charles Jamison 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#	426'	426'	415 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2664'	2664'	1034 sx/CTS
Production	5 1/2"	New	HCP-110	20#	7213'	7213'	lead 269sx tall 371sx/100' inside interned
Tubing							
Liners							

Ja 10/3/18

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (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:	i .		
Depths Set:			

RECEIVED Office of Oil and Gas

OCT 2 3 2018

API NO. 47- 051		
OPERATOR WELL	NO.	Charles Jamison MSH 8H
Well Pad Name:	Charle	s Jamison MSH

	19)	Describe pro	posed well	work, i	ncluding th	e drilling	and	plugging	back of	f any r	oilot hole:
--	-----	--------------	------------	---------	-------------	------------	-----	----------	---------	---------	-------------

The well will be drilled to a depth approximately 100' below the top of the Onondaga Formation to allow for open hole logging and confirming Marcellus Interval formation characteristics. If casing is run, it will be run to total depth of the hole and cemented per regulatory requirements. If the well is determined to be dry and abandoned, it will be plugged per regulatory requirements for plugging and abandoning.

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): 16.54
- 22) Area to be disturbed for well pad only, less access road (acres): 5.87

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.

Southwestern Energy Company Proposed Drilling Program Well: **CHARLES JAMISON MSH 8** Re-entry Rig: TBD **VICTORY FIELD WET** Field: Prospect: VICTORY MARSHALL County: State: WV 39.7919 Latitude -80.6076 Longitude SHL: -80.6076 Longitude BHL: 39.7919 Latitude **KB Elev:** 1,358 ft MSL KB: 26 ft AGL **GL Elev:** 1,332 ft MSL (Maxton, Big Injun) 0' to 446' Gas Storage 1944' to 2434' Air / Mist TOC Lead at 4,484 'MD 446 ' to 2.684 ' TOC Tail at 5,684 'MD Air / Mist **Tubular Detail** Planned Interval Grade Weight Casing Size **Casing String** (in) (Min) (Min) 2,684 ' to 6,998 ' From To Air / Mist Conductor 20 94.0# H-40 0' 100' 48.0# H-40 0' 426 13.375 Surface 0' 2,664 9.625 36.0 # J-55 Interm/Coal Production 20.0# HCP-110 0' 7,213 5.5 **Cement Detail** Sacks Class Density 151 19.3 Conductor Α Surface 415 A 15.6 15.6 Intermediate 1034 Α 15.6 **Production Lead** 269 A 371 15.6 **Production Tail** TD at 6,000 ' Freshwater Depth - 326 'TVD 6,998 'to 7,213 ' 12.0 - 12.5 ppg Coal Depth - 1,116 'TVD Saltwater Depth - 1,118 'TVD TVD - 7,213' TMD - 7,213 ' RECEIVED Offortice of Oil and Gas 002 2 4, 2018 WWDepapagaetion TD @ 7,213' Environmental Published 12.0 - 12.5 ppg Marcellus 7,050 'TVD Onondaga 7,114 'TVD Well TD 7,213 'MD Created by: C R Hall on 10/24/2018

	Product Name	Product Use	Chemical Name	CAS Number
Surface	5001	accelerator	calcium chloride up to 3%	10043-52-4
Intermediate	S001	accelerator	calcium chloride	10043-52-4
_	D080	dispersant	sodium polynaphthalene sulfonate	9008-63-3
Kick Off Plug	D801	retarder	aromatic polymer derivative	propriatary
포를	D047	antifoam	polypropylene głycol	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
Ì			polypropylene glycol	25322-69-4
2	D046	antifoam	fullers earth (attapuigite)	8031-18-3
Production-Lead			chrystalline silica	14808-60-7
ğ	D201	retarder	metal oxide	propriatary
Įš			sulphonated synthetic polymer	propriatary
£	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
F	D065	dispersant	sodium suifate	7757-82-6
Production-Tail			chrystalline silica	14808-60-7
₩	D201	retarder	metal oxide	propriatary
E E	D153	anti-settling	chrystalline silica	14808-60-7

Immuusmammammammammammam

WW-9 (2/15)

API Number 47 - 051

Operator's Well No. Charles Jamison MSH 8H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Proposed Disposal Method For Treated Pit Wastes: Land Application	OP Code 494512924 Quadrangle Cameron the proposed well work? Yes No o If so, what ml.?
Do you anticipate using more than 5,000 bbls of water to complete 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 N Proposed Disposal Method For Treated Pit Wastes: Land Application	
If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes N Proposed Disposal Method For Treated Pit Wastes: Land Application	o If so, what ml.?
Will a synthetic liner be used in the pit? Yes N Proposed Disposal Method For Treated Pit Wastes: Land Application	o If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes: Land Application	o If so, what ml.?
Land Application	
Underground Injection (UIC Permit No	
Reuse (at API Number at next anticipated w Off Site Disposal (Supply form WW-9	ell, API# will be included with the WR-34/DDMR &/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	
Drilling medium anticipated for this well (vertical and horizontal)?	Air, freshwater, oil based, etc. Alr drill to KOP, fluid drill with SOBM from KOP to TD
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	etic Oil Base
Additives to be used in drilling medium? Attachment 3A	
Drill cuttings disposal method? Leave in pit, landfill, removed off	site, etc. landfill
-If left in pit and plan to solidify what medium will be use	
	32, Short Creek SWF-1034,Carbon Limestone MSWL018781, Wetzel County 1021
Argen Landfill 10072, Apex Sanitary Landfill 06-0	8438, Brooke Co SWF-1013, Valley 100200
Permittee shall provide written notice to the Office of Oil and Gas West Virginia solid waste facility. The notice shall be provided with where it was properly disposed.	of any load of drill cuttings or associated waste rejected at any thin 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West Virgin provisions of the permit are enforceable by law. Violations of ar law or regulation can lead to enforcement action. I certify under penalty of law that I have personally exapplication form and all attachments thereto and that, based o obtaining the information, I believe that the information is true penalties for submitting false information, including the possibility	ty term or condition of the general permit and/or other applicable tamined and am familiar with the information submitted on this n my inquiry of those individuals immediately responsible for accurate, and complete. I am aware that there are significant
Company Official Signature DttttWWW 10004	
Company Official (Typed Name) Brittany Woody	OCT 2 3 2018
Company Official Title Regulatory Analyst	WV Department of Environmental Protection
Subscribed and sworn before me this 10 day of 00 My commission expires (0/23/2024)	Notary Public State Of West V Elizabeth Blankenship 941 Simpson Run Road

Operator's Well No. Charles Jamison MSH 8H

roposed Revegetation Treatment: Acres Distu	urbed 16.54	Prevegetation pl	H
Lime as determined by pH test min. 2 Tons/acre or	to correct to pH 5.87		
Fertilizer type 10-20-20			
Fertilizer amount 600	lbs/acre		
Mulch Hay/Straw 2.5	Tons/acre		
	Seed Mixtures		
Temporary		Perma	nent
Seed Type lbs/acre		Seed Type	lbs/acre
Attachment 3B			
			-
ttach: rawing(s) of road, location, pit and proposed :	area for land application (u	nless engineered plans inc	cluding this info have been
rawing(s) of road, location, pit and proposed	area for land application (u	nless engineered plans inc	cluding this info have been
rawing(s) of road, location, pit and proposed a rovided)		nless engineered plans inc	cluding this info have been
rawing(s) of road, location, pit and proposed a rovided) hotocopied section of involved 7.5' topograph	ic sheet.	nless engineered plans inc	cluding this info have been
rawing(s) of road, location, pit and proposed a rovided) notocopied section of involved 7.5' topograph	ic sheet.	nless engineered plans ind	cluding this info have been
rawing(s) of road, location, pit and proposed a rovided) notocopied section of involved 7.5' topograph	ic sheet.	nless engineered plans ind	cluding this info have been
rawing(s) of road, location, pit and proposed a rovided) notocopied section of involved 7.5' topograph	ic sheet.	nless engineered plans ind	cluding this info have been
rawing(s) of road, location, pit and proposed a ovided) notocopied section of involved 7.5' topograph an Approved by:	ic sheet.	nless engineered plans ind	cluding this info have been
rawing(s) of road, location, pit and proposed a rovided) notocopied section of involved 7.5' topograph	ic sheet.	nless engineered plans inc	cluding this info have been RECEIVED Office of Oil and G
rawing(s) of road, location, pit and proposed a rovided) hotocopied section of involved 7.5' topograph lan Approved by:	ic sheet.	aless engineered plans inc	
rawing(s) of road, location, pit and proposed a rovided) hotocopied section of involved 7.5' topograph lan Approved by:	ic sheet.	nless engineered plans inc	RECEIVED Office of Oil and G
ttach: rawing(s) of road, location, pit and proposed a rovided) hotocopied section of involved 7.5' topograph lan Approved by: omments:	ic sheet.	nless engineered plans inc	Office of Oil and G
rawing(s) of road, location, pit and proposed a rovided) hotocopied section of involved 7.5' topograph	ic sheet.	aless engineered plans inc	Office of Oil and G

Attachment 3A Drilling Mediums

02/08/2019

Surface/Coal(if present)/Freshwater Intervals:

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

RECEIVED
Office of Oil and Gas

OCT 2 3 2018



WVD Seeding Specification



To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi_eddy@swn.com

(please allow 7 to 10 days for delivery)

Seed Mixture: ROW Mix	SWI	N Supplied
Orchardgrass	40%	
Timothy	15%	
Annual Ryegrass	15%	
Brown Top Millet	5%	
Red Top	5%	
Medium Red Clover	5%	All legumes are
White Clover	5%	innoculated at 5x normal
Birdsfoot Trefoil	5%	rate
Rough Bluegrass	5%	
Apply @ 100lbs per acre April 16th- Oct. 14th		Apply @ 200lbs per acre Oct. 15th- April 15th PLUS bs per acre of Winter Wheat

SOIL AMENDMENTS	
-----------------	--

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

leading Calculation Information:

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

Symonyis

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 PROPERTIES					
Seed Mixture: SWN Production Organic I	Viix	SWN Supplied			
Organic Timothy	50%				
Organic Red or White Clover	50%				
OR					
Organic Perennial Ryegrass	50%				
Organic Red or White Clover	50%				
Apply @ 100lbs per acre		Apply @ 200lbs per acre			
April 16th- Oct. 14th		Oct. 15th- April 15th			
Organic Fertilizer @ 200lbs per Acre		Pelletized Lime @ 2 Tons per Acre			

Seed Mixture: Wetland Mix SWN Supplied				
VA Wild Ryegrass	20%			
Annual Ryegrass	20%			
Fowl Bluegrass	20%			
Cosmos 'Sensation'	10%			
Redtop	5%			
Golden Tickseed	5%			
Maryland Senna	5%			
Showy Tickseed	5%			
Fox Sedge	2.5%			
Soft Rush	2.5%			
Woolgrass	2.5%			
Swamp Verbena	2.5%			
Apply @ 25lbs per acre	Apply @ 50lbs per acre			
April 16th- Oct. 14th	Oct. 15th- April 15th			

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

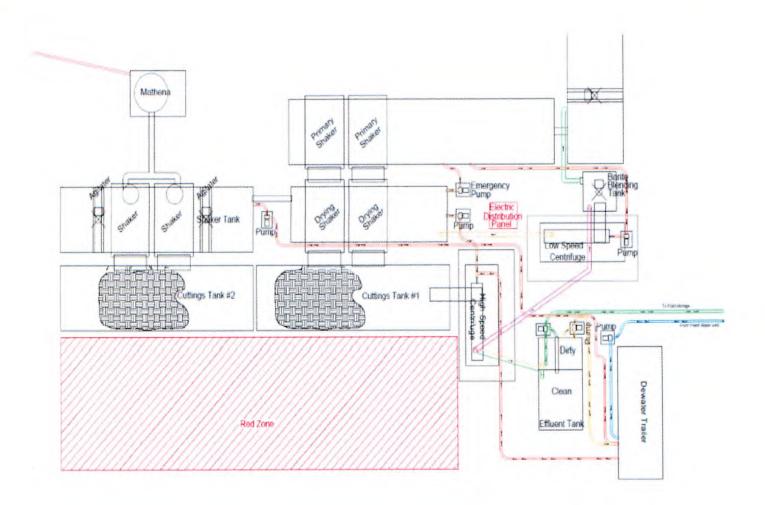
During air drilling operations, flow from the rig will pass down the flowline to the Shale Gas Separater (sometimes called a methane) where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate 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.

Solids Control Layout





MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN 02

02/08/2019



SWN Production Company, LLC 179 Innovation Drive Jane Lew, West Virginia 26378

API NO. 47-XXX-XXXXX
WELL NAME: Charles Jamison MSH 8H
Cameron QUAD
Liberty DISTRICT
MARSHALL COUNTY, WEST VIRGINIA

Submitted by:	
Brittany Woody Jutto Wood	Date: 10/2/2018
Title: Regulatory Analyst	SWN Production Co., LLC
Approved by:	
Ju 0	Date: 10/3/18
Title: Oil + Cas (usperto.	
Approved by:	
	Date:
Title:	Office of 3 2018
	Office of Oil 2 3 2018
SWN PRODUCTION COMPANY,	
	Enviro

OIL & GAS ROYALTY OWNER: CHARLES AND JEAN JAMISON ACREAGE: 97.2± DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION REDRILL PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) CONVERT TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,213 TVD 7,213 TMD DESIGNATED AGENT: BRITTANY WOODY

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: ZIP CODE: 26378 LEGEND:

SURVEYED BOUNDARY DRILLING UNIT PROPOSED SURFACE HOLE / BOTTOM HOLE

PROPOSED PATH

ADDRESS: P.O. BOX 1300 JANE LEW STATE: ZIP CODE: 26378 WV DATE: 08-16-2018 **REVISIONS:** DRAWN BY: K.E.

> DRAWING NO: WELL LOCATION PLAT PROPERTY NUMBER 2501168517 PAD ID 3001168569

2:\2017\170-426\-SURVEY\DWG\CHARLES JAMISON MSH 8H D5-25-2018.DWG

EXISTING / PRODUCING WELLHEAD

LANDING POINT LOCATION

EXISTING WATER WELL

EXISTING SPRING

TUESDAY OCTOBER 09 2018 09:16AM

共

(3)

LPL*

ongitude:

Charles Jamison 8H

WW-6A1 (3/13)

Operator's Well No.	
---------------------	--

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 02/08/2019 depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

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

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

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

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

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

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

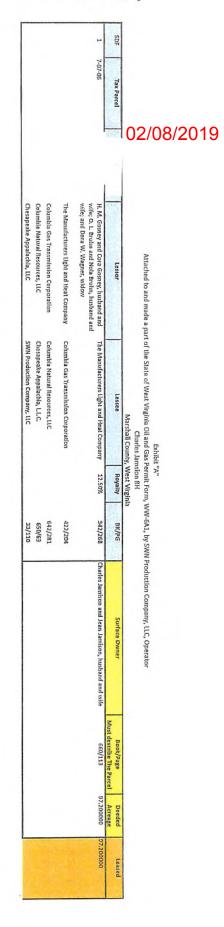
Well Operator: SWN Production Company, LLC

By:

Its: Sept Enott - Sr. Landson

Page 1 of 2

RECEIVED Office of Oil and Gas



RECEIVED Office of Oil and Gas

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

Date of Notice	e Certification: Dall		API No. 47 Operator's		- No. Charles Jamison MSH 8H
	,		Well Pad I		The state of the s
Notice has be	een given:				-
	provisions in West Virginia Code § 22-6A, th	ne Operator has pro	ovided the rec	quired p	parties with the Notice Forms listed
below for the tr	ract of land as follows:				
State:	West Virginia	LITMANIAD 02	Easting:	533,594	4.592
County:	Marshall	UTM NAD 83	Northing:	440473	2.948
District:	Liberty	Public Road Acc	cess:	Grapev	ine Ridge Drive
Quadrangle:	Cameron	Generally used f	farm name:	Charles	Jamison
Watershed:	Maggoty Run				
		Generally used i	farm name:	Charles	Jamison

information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

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

Required Attachments:

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

Certification of Notice is hereby given:

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

Well Operator: SWN Production Co., LLC

By: Brittany Woody

Its: Regulatory Analyst

Telephone: 304-884-1610

Address: P.O. Box 1300

Jane Lew, WV 26378

Facsimile: 304-884-1690

Email: Brittany_Woody@swn.com

Wotary Public, State Of West Virginia Elizabeth Blankenship
941 Simpson Run Road
Weston WV 26452
My commission expires June 23, 2024

Subscribed and sworn before me this 10 day of

Notary Public

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 deprivacyofficer@wv.gov.

RECEIVED Office of Oil and Gas

OCT 2 3 2018

WW-6A (9-13) API NO. 47-761 0 5 1 0 2 1 2 7 OPERATOR WELL NO. 02/08/2019 Well Pad Name: Charles Jamison MSH

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

Notice Time Requirement: notice shall be provided no later th	
Date of Notice: Dad Date Permit Application Filed: Notice of:	199/18
PERMIT FOR ANY CERTIFICATE OF AP	PROVAL FOR THE
	AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-1	0(b)
☐ PERSONAL ☑ REGISTERED ☐ METH	HOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL RECE	EIPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be located and gas leasehold being developed by the proposed well work, it described in the erosion and sediment control plan submitted pursuappearator or lessee, in the event the tract of land on which the well pursuappearator or lessee, in the event the tract of land on which the well pursuappearator or lessee, in the event the tract of land on which the well pursuappearator or lessee, in the event the tract of land on which the well pursuappearator or lessee, in the surface tract or to well work, if the surface tract is to be used for the placement, constitution of this article; (5) have a water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; an proposed well work activity is to take place. (c)(1) If more than the subsection (b) of this section hold interests in the lands, the application of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is no	ant may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any it notice to a landowner, unless the lien holder is the landowner. W. Va. provide the Well Site Safety Plan ("WSSP") to the surface owner and any
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice	e ☑ Well Plat Notice is hereby provided to:
SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Charles Jamison & Jean Jamison	Name: Consolidation Coal Company
Address: 90 Liberty St.	Address: 1000 Consol Energy Drive
Seville, OH 44273	Canonsburg, PA 15317
Name: Gall Zwick	COAL OPERATOR
Address: 159 Edgington Lane #15	Name: McElroy Mine/Marshall County Mine
Wheeling, WV 25177	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	= SUPPLOS ON DIED OF WATER WELL
Name:	☑ SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
	Name: See Attachment 13A
Name:	Address:
Address:	Committee the second committee of the second committee of
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name: Office of Oil and Gas
Name:	Address:
Address:	UC 2 3 2018
	Flease attach additional forms it necessary
	WV Department of Environmental Protection

WW-6A (9-13)

4705102127

API NO, 47-051 OPERATOR WELL NO. Charles Jamison MSH 8H 9H 19
Well Pad Name: Charles Jamison MSH 8720 19

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

Notice Time Requirement	: notice shall be provided	d no later tha	the filing date of permi	t application.	
Date of Notice: 1012218	Date Permit Applicatio	n Filed: D	22/18		
PERMIT FOR ANY	CERTIFICA	TE OF APP	ROVAL FOR THE		
WELL WORK			IN IMPOUNDMENT OR	PIT	
Delivery method pursuan	t to West Virginia Code	e § 22-6A-10	(b)		
☐ PERSONAL ☑	REGISTERED	☐ METH	DD OF DELIVERY THA	T REQUIRES A	
SERVICE	MAIL		PT OR SIGNATURE CO		
sediment control plan require the surface of the tract on whold and gas leasehold being described in the erosion and operator or lessee, in the evenue coal seams; (4) The owned well work, if the surface tractimpoundment or pit as described water well, spring or a provide water for consumption proposed well work activity subsection (b) of this section records of the sheriff require provision of this article to the Code R. § 35-8-5.7.a require water purveyor or surface owners.	tich the well is or is propo- leveloped by the proposed sediment control plan sub- int the tract of land on whi- mers of record of the surfa- t is to be used for the plac- ibed in section nine of this water supply source locate- on by humans or domestic is to take place. (c)(1) If m hold interests in the lands d to be maintained pursua- e contrary, notice to a lien- es, in part, that the operator	sed to be loca well work, if mitted pursua ch the well pr ice tract or tra- ement, constra- s article; (5) A d within one animals; and nore than three s, the applicar int to section so holder is not or shall also pr	ted; (2) The owners of reco the surface tract is to be us int to subsection (c), section oposed to be drilled is local cts overlying the oil and ga auction, enlargement, alterat my surface owner or water thousand five hundred feet (6) The operator of any nat the tenants in common or other at may serve the documents eight, article one, chapter el- notice to a landowner, unler tovide the Well Site Safety	ord of the surface tract and of the surface tract and for roads or other lands article; ted [sic] is known to be a leasehold being develon, repair, removal or purveyor who is known of the center of the webural gas storage field are co-owners of interer required upon the per even-a of this code. (2005) to the Plan ("WSSP") to the	or tracts overlying the and disturbance as (3) The coal owner, be underlain by one or eloped by the proposed a abandonment of any on to the applicant to ell pad which is used to within which the ests described in the 2) Notwithstanding any the landowner. W. Va.
☑ Application Notice ☑	WSSP Notice □E&S	Plan Notice	☑ Well Plat Notice is	hereby provided to:	
SURFACE OWNER(s)	Í		☐ COAL OWNER OR L	ESSEE	
Name: Mitchell Zwick			Name:		
Address: 911 Hillcrest Drive			Address:		
St. Albans, WV 25177					
Name: Ronnie Evans	A.		☐ COAL OPERATOR		
Address: 3780 Grapevine Ridge			Name:		
Cameron, WV 26033			Address:		
SURFACE OWNER(s) (Road and/or Other Distu	rbance)			
Name:			☐ SURFACE OWNER (OF WATER WELL	
Address:			AND/OR WATER PUR	VEYOR(s)	
			Name:	A. A. A. A.	
Name:			Address:		
Address:					
W. V. W. L.			OPERATOR OF ANY	NATURAL GASS	TERSY SELD
SURFACE OWNER(s) (Impoundments or Pits)		Name:	Cilici	o or on and Gas
Name:			Name:Address:	00	T 2 3 2018
Address:					
			*Please attach additional	forms if necessal/VV	Department of mental Protection

API NO. 47- 051 - OPERATOR WELL NO. Charles James MSH 8H 20 19 Well Pad Name: Charles Jamison MSH 8H 20 19

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: Date Permit Application Filed: Date 8 Notice of: CERTIFICATE OF APPROVAL FOR THE PERMIT FOR ANY CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ METHOD OF DELIVERY THAT REQUIRES A REGISTERED PERSONAL RECEIPT OR SIGNATURE CONFIRMATION SERVICE MAIL Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule. ☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to: COAL OWNER OR LESSEE ☑ SURFACE OWNER(s) Name: Murray Energy Attn: Mason Smith Name: Address: 46226 National Road Address: St. Clairsville, OH 43950 ☐ COAL OPERATOR Name: Name: Address: Address: SURFACE OWNER OF WATER WELL RECEIVED Office of Cil and Gas ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: Name: Address: Name: OPERATOR OF ANY NATURAL FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Name: Address: Address: *Please attach additional forms if necessary

WW-6A (8-13)

4705102127

API NO. 47-051 - 02/08/2019
OPERATOR WELL NO. Charles Jamison MSH 8H
Well Pad Name: Charles Jamison 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 date and cas 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:

\(\text{\text{\$\te

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

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 - 02/08/2019
OPERATOR WELL NO. Charles Jamison MSH 8H
Well Pad Name: Charles Jamison 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.

RECEIVED Office of Oil and Gas

OCT 2 3 2018

WW-6A (8-13)

API NO. 47-051 - 02/08/2019
OPERATOR WELL NO. Charles Jamison MSH 8H
Well Pad Name: Charles Jamison MSH

Notice is hereby given by:

Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610 Email: Brittany_Woody@swn.com Address: P.O. Box 1300 Jane Lew, WV 26378

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 deepprivacyofficer@wv.gov.

Frikarias Rosensammer e m.

Official Seal

Notary Public, State Of West Virginia

Elizabeth Blankenship

941 Simpson Run Road

Weston WV 26452

My commission expires June 23, 2024

Subscribed and sworn before me this 10 day of 0ct, 2018.

Notary Public

My Commission Expires 6/33/2029

RECEIVED Office of Oil and Gas

OCT 2 3 2018

Attachment 13A

OWNER	ADDRESS	CITY_STATE_ZIP	WATERSOURCE
JAMISON CHARLES & JEAN	90 LIBERTY ST	SEVILLE, OH 44273	4

4705102127 02/08/2019

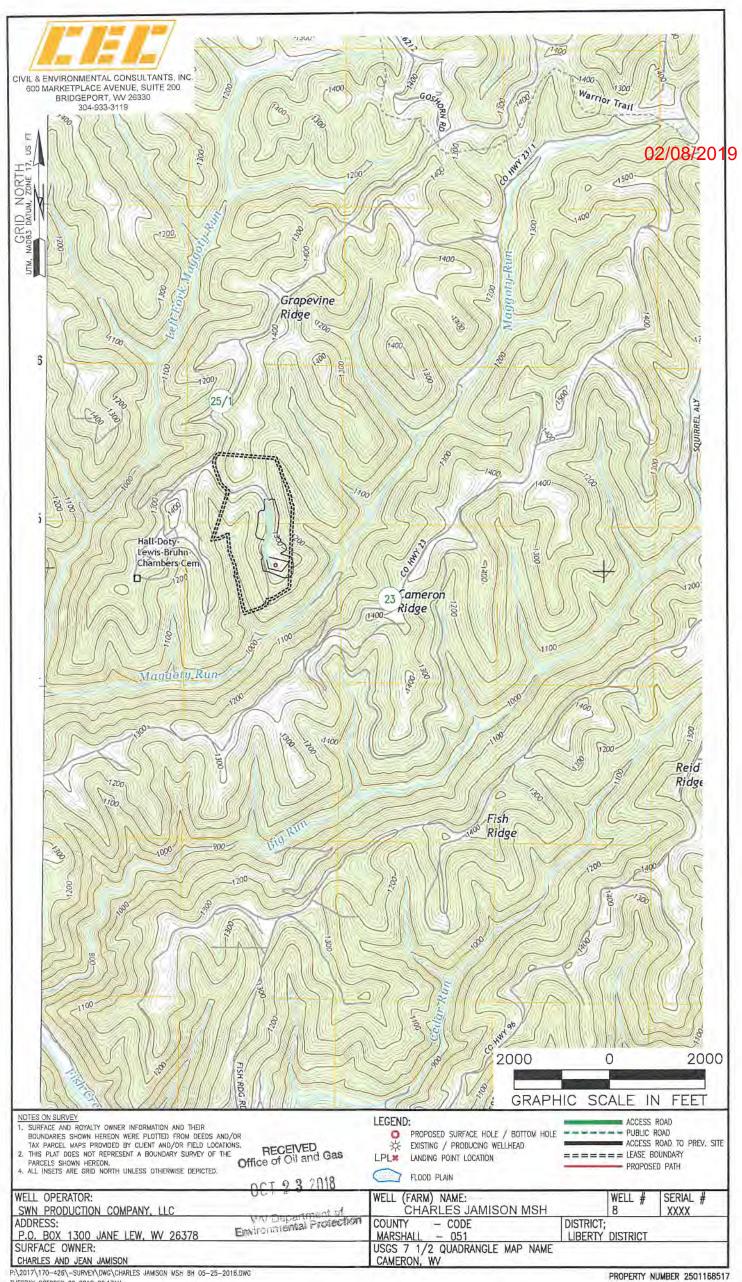
RECEIVED
Office of Oil and Gas

OCT 2 3 2018

WV Department of Environmental Protection

> RECEIVED Office of Oil and Gas

OCT 2 3 2018



DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

STATE OF WEST VIRGINIA

Date of Notice: 5/17/2018 Date of Planned Entry:			ry: 5/24/2018			02/08/201	
Delivery met	hod pursuan	nt to West Virginia C	ode § 22-	6A-10a			
☐ PERSON	JAI. I	REGISTERED		METHOD OF DEL	IVERY THAT R	FOLURES A	
SERVIC		MAIL		RECEIPT OR SIGN			
on to the surfa but no more the beneath such owner of mine and Sediment Secretary, wh	nce tract to contain forty-five tract that has erals underly Control Mar ich statement	Code § 22-6A-10(a), I onduct any plat survey a days prior to such en filed a declaration puring such tract in the contact and the statutes are thall include contact to obtain copies from the	s required stry to: (1) rsuant to s ounty tax: and rules re informati	I pursuant to this are The surface owner section thirty-six, as records. The notice elated to oil and gas on, including the ar	ticle. Such notice r of such tract; (2) rticle six, chapter e shall include a s s exploration and	shall be provided a to any owner or le twenty-two of this tatement that copie production may be	at least seven days ssee of coal seams code; and (3) any s of the state Erosion obtained from the
Notice is here	eby provided	l to:					
■ SURFAC	E OWNER	s)		COA	L OWNER OR LI	ESSEE	
Name: Charles					Name: Gonsolidation Coal Company Attn: Casey Saunders		
Address: 90 Li	berty St.		-		Address: 1000 Consol Energy Drive		
Seville, OH 44273			2		Canonsburg, PA 15317		
Name:			_				
Address:			_	■ MINE	RAL OWNER(s)	
				Name: Name: Name			
Name:		Address:					
Address:			Rockville, MD	20850 h additional forms if n			
Notice is he Pursuant to W	est Virginia	Code § 22-6A-10(a), r	notice is h				ing entry to conduct
a plat survey of State:	on the tract o West Virginia	f land as follows:					
County:	Marshall				Approx. Latitude & Longitude: Public Road Access:		
District:	Liberty			Watershed:	Access:	Grapevine Road CR 2	5/31
Quadrangle:	Cameron				enerally used farm name: Upper Fish Creek Charles Jamison		
may be obtain Charleston, W	V 25304 (3)	a and Sediment Contro Secretary, at the WV I 04-926-0450). Copies y by visiting <u>www.de</u> r	Department of such of	nt of Environmenta documents or addit	l Protection head ional information	quarters, located at	601 57 th Street, SE, al drilling may be
Notice is he	reby given	by:					RECEIVED Office of Oil and Gas
Well Operator		JCTION COMPANY, LLC		Address:	PO BOX 1300		
Telephone:	304-884-1610			_	JANE LEW, WV 2637	8	OCT 2 3 2018
Email:	dee_southall(@swn.com or brittany_woody@	swn.com	Facsimile:	304-884-1690	Thi	W Department of
Oil and Gas			al inform	ation such as new	a addraga and tal	و د ده اماره	Environmental Proteotic

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

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

entry		The state of the s	FORTY-FIVE (45) days prior to				
Date of Notice:	5/17/2018 Date of Plan	nned Entry: 5/24/2018	02/08/201				
Delivery metho	od pursuant to West Virginia C	ode § 22-6A-10a	<u></u>				
☐ PERSONA	AL REGISTERED	☐ METHOD OF DELIVERY THAT RE	OURES A				
SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIR					
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which	e tract to conduct any plat survey, n forty-five days prior to such en act that has filed a declaration pur als underlying such tract in the co ontrol Manual and the statutes an	Prior to filing a permit application, the operator is required pursuant to this article. Such notice stry to: (1) The surface owner of such tract; (2) is suant to section thirty-six, article six, chapter to bunty tax records. The notice shall include a standard rules related to oil and gas exploration and prinformation, including the address for a web passes secretary.	chall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any stement that copies of the state Erosion roduction may be obtained from the				
Notice is hereb	y provided to:		e				
SURFACE	OWNER(s)	COAL OWNER OR LE	SSEE				
Name: Ronnie E. E		Name: Murray Energy Attn: Mason Si					
Address: 3780 Gr		Address: 46336 National Road	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Cameron, WV 26033		Saint Clairsville, OH 43950	AND THE COLUMN THE PROPERTY OF				
Name:							
Address:		■ MINERAL OWNER(s)					
		Name: Raymond Bentz					
Name:		Address: 2724 Wyoming Ave. SW					
Address:							
		*please attach additional forms if ne	cessary				
Notice is here		notice is hereby given that the undersigned well	operator is planning entry to conduct				
a plat survey on State: v County: N District: L	the tract of land as follows: Vest Virginia Marshall Jiberty	Approx. Latitude & Longitude: Public Road Access: Watershed:	39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek				
a plat survey on State: County: District: L	the tract of land as follows: Vest Virginia Marshall	Public Road Access:	Grapevine Road CR 25/31				
a plat survey on State: County: District: Quadrangle: Copies of the stamay be obtained Charleston, WV obtained from the	the tract of land as follows: Vest Virginia Marshall Jiberty Jameron ate Erosion and Sediment Control of from the Secretary, at the WV I 25304 (304-926-0450). Copies the Secretary by visiting www.dep	Public Road Access: Watershed:	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production parters, located at 601 57 th Street, SE, elated to horizontal drilling may be				
a plat survey on State: County: District: Quadrangle: Copies of the stamay be obtained Charleston, WV obtained from the Notice is here	the tract of land as follows: Vest Virginia Marshall Jiberty Ameron ate Erosion and Sediment Control of from the Secretary, at the WV I Z 25304 (304-926-0450). Copies the Secretary by visiting www.dep	Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to or Department of Environmental Protection headques of such documents or additional information received.	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production parters, located at 601 57 th Street, SE,				
a plat survey on State: County: District: Quadrangle: Copies of the stamay be obtained from the Notice is here Well Operator:	the tract of land as follows: Vest Virginia Marshall Jiberty Liberty Late Erosion and Sediment Control of from the Secretary, at the WV I 7 25304 (304-926-0450). Copies The Secretary by visiting www.dep Liby given by: SWN PRODUCTION COMPANY, LLC	Public Road Access: Watershed: Generally used farm name: I Manual and the statutes and rules related to or Department of Environmental Protection headques of such documents or additional information related.	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production parters, located at 601 57th Street, SE, elated to horizontal drilling may be Office of Oil and Gas				
a plat survey on State: County: District: Quadrangle: Copies of the stamay be obtained Charleston, WV	the tract of land as follows: Vest Virginia Marshall Jiberty Ameron ate Erosion and Sediment Control of from the Secretary, at the WV I Z 25304 (304-926-0450). Copies the Secretary by visiting www.dep	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 re D.wv.gov/oil-and-gas/pages/default.aspx. Address: PO BOX 1300 JANE LEW, WV 26378	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production parters, located at 601 57 th Street, SE, elated to horizontal drilling may be Office of Oil and Gas OCT 2, 3, 2010				

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

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

Date of Noti	ce: 5/17/2018	Date of Pla	nned Entry: 5/24/2018	5/24/2018				
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a					
□ PERSO		REGISTERED MAIL		☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION				
on to the sur- but no more beneath such owner of mir and Sedimen Secretary, wh	face tract to cor than forty-five tract that has f nerals underlyin t Control Manu hich statement:	nduct any plat survey days prior to such en iled a declaration pur ng such tract in the co nal and the statutes ar	s required pursuant to this ar try to: (1) The surface owner suant to section thirty-six, an ounty tax records. The notice and rules related to oil and gas information, including the ac-	ticle. Such notice of such tract; (2) ticle six, chapter to shall include a st 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 catement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to			
Notice is her	reby provided	to:						
☐ SURFA	CE OWNER(s))	☐ COAI	OWNER OR LE	ESSEE			
Name:			Name:					
Address:			_ Address:	Address:				
Name:				anneal and a second				
Name:Address:			■ MINE	MINERAL OWNER(s)				
			Name: Line	Name: Linda Gephart Holl a/k/a Linda Holl				
Name:			Address:	353 Oak Manor Ave. NE				
Address:			Massillon, OH	Massillon, OH 44646 *please attach additional forms if necessary				
oursuant to V	ereby given: West Virginia C	Code § 22-6A-10(a), 1 land as follows:	notice is hereby given that th	e undersigned wel	ll operator is planning entry to conduct			
State:	West Virginia	24 AV. 123 11 200 000	Approx. Latit	ide & Longitude:	39.792781, -80.608056			
County:	Marshall		Dublic Dood	ccess:	Grapevine Road CR 25/31			
District:	Liberty		Watershed:		Upper Fish Creek			
Quadrangle:	Cameron		Generally use	d farm name:	Charles Jamison			
may be obtai Charleston, vobtained from	ined from the S WV 25304 (30 in the Secretary	ecretary, at the WV I 4-926-0450). Copies by visiting <u>www.de</u>	Department of Environmenta	l Protection headqual onal information	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be			
	ereby given b	EDY GIVEN DY: SWN PRODUCTION COMPANY, LLC		PO BOX 1200	Office of Oil and Ga			
Telephone:	304-884-1610	I. Physical Company of the Company o	Address:	PO BOX 1300 JANE LEW, WV 26378	8 OCT 2.3 /018			
	dee_southall@	swn.com or brittany_woody@	swn.com Facsimile:	304-884-1690				
Email:					WV Department of Environmental Protect			
Email:	s Privacy No	Tebus			Environmental Protoci			

appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

Date of Notic	ce: 5/17/2018	Date of Plan	nned Entry: 5/24/201	5/24/2018			02/08/20	
elivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a					
PERSON SERVICE		REGISTERED MAIL			IVERY THAT RI			
on to the surfact no more the seneath such to seneath such to where of mine and Sediment Secretary, which able the surface is the surface of	ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement si face owner to c	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	s required pursuant try to: (1) The surfactors and to section this punty tax records. To drules related to oil information, including	to this ar ce owner ty-six, ar he notice I and gas	ticle. Such notice of such tract; (2) ticle six, chapter t shall include a st exploration and r	r shall provide notice of planner shall be provided at least seven to any owner or lessee of coal s wenty-two of this code; and (3) atement that copies of the state production may be obtained from age on the Secretary's web site	days seams) any Erosion n the	
otice is here	eby provided t	0:						
	CE OWNER(s)			COAL	LOWNER OR LE	ESSEE		
Vame:			_ N	Name:				
Address:			_ A	Address:				
lame:				1				
Address:				MINERAL OWNER(s)				
			N:	1	Thomas Holl			
Vame:			_ A	ddress:	1927 Charles Partin Dr			
iddress:			Pa	rrish, FL 342	219			
	reby given:		~p	iease attaci	n additional forms if no	ocessary		
Pursuant to W	est Virginia Co	ode § 22-6A-10(a), r	notice is hereby give	n that th	e undersigned wel	I operator is planning entry to o	conduct	
i plat survey (State:		and as follows:	4	T (*)	1 0 X			
County:	127.700		73 1 11	Approx. Latitude & Longitude: Public Road Access:				
District:	The state of the s		***	c Road P rshed:	ccess.	Grapevine Road CR 25/31		
					d farm name:	Upper Fish Creek Charles Jamison		
		nd Sediment Contro	l Manual and the sta Department of Envir	onmenta	l Protection headq	oil and gas exploration and prod quarters, located at 601 57 th Stre related to horizontal drilling ma	et, SE,	
nay be obtain Charleston, W obtained from	ned from the Se V 25304 (304 the Secretary I	-926-0450). Copies by visiting <u>www.de</u> p	of such documents	s/pages/c	lefault.aspx.			
nay be obtain Charleston, W obtained from	ned from the Se IV 25304 (304 at the Secretary leading by given by	-926-0450). Copies by visiting <u>www.de</u> p v:	s of such documents o.wv.gov/oil-and-ga	s/pages/c	lefault.aspx.		RECEIVED	
nay be obtain Charleston, W btained from Notice is her Vell Operator	reby given by r: SWN PRODUCT	-926-0450). Copies by visiting <u>www.de</u> p	s of such documents o.wv.gov/oil-and-ga	s/pages/c	PO BOX 1300		Office of Oil and	
nay be obtain Charleston, Wobtained from Notice is her Well Operator Celephone:	reby given by swn product 304-884-1610	-926-0450). Copies by visiting <u>www.der</u> 7: TION COMPANY, LLC	s of such documents o.wv.gov/oil-and-ga Ad	s/pages/d	lefault.aspx.	3	Office of Oil and	
nay be obtain Charleston, W obtained from	reby given by swn product 304-884-1610	-926-0450). Copies by visiting <u>www.de</u> p v:	s of such documents o.wv.gov/oil-and-ga Ad	s/pages/c	PO BOX 1300		Office of Oil and OCI 2 3 20 WV Department	

duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact

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

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

Date of Notice: 5/17/2018 Date of Planned Entry: 5/24/2018 02/08/2019 Delivery method pursuant to West Virginia Code § 22-6A-10a L PERSONAL ■ REGISTERED 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 planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: ☐ SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE Name: Name: Address: Address: Name: Address: MINERAL OWNER(s) Name: Barbara Jean Bruhn Name: Address: 527 21st St. NW Address: Canton, OH 44718 *please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39.792781, -80.608056 County: Marshall Public Road Access: Grapevine Road CR 25/31 District: Liberty Watershed: Upper Fish Creek Quadrangle: Cameron Generally used farm name: Charles Jamison 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. RECEIVED
Office of Oil and Gas Notice is hereby given by: Well Operator: SWN PRODUCTION COMPANY, LLC Address: PO BOX 1300 OCT 2 3 2018 Telephone: 304-884-1610 JANE LEW, WV 26378 Email: dee_southall@swn.com or brittany_woody@swn.com Facsimile: 304-884-1690 WV Department of Environmental Protection Oil and Gas Privacy Notice:

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

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time R entry	Requirement: Notice shall be pro	vided at least SEVEN (7) days b	ut no more than FORTY-FIVE (45) days prior to		
Date of Notice: 5/17/2018 Date of Planned Entry:		nned Entry: 5/24/2018	02/08/2019		
Delivery meth	ood pursuant to West Virginia C	ode § 22-6A-10a			
☐ PERSON	AL REGISTERED	☐ METHOD OF DELIVE	ERY THAT REOUIRES A		
SERVICE			URE CONFIRMATION		
on to the surface but no more the beneath such to owner of mines and Sediment (Secretary, whice enable the surf	ce tract to conduct any plat survey an forty-five days prior to such er ract that has filed a declaration purals underlying such tract in the control Manual and the statutes are chistatement shall include contact face owner to obtain copies from the control of the statutes are contact for the statutes are the statutes are contact for	s required pursuant to this article try to: (1) The surface owner of rsuant to section thirty-six, article ounty tax records. The notice shad rules related to oil and gas exp information, including the address	on, the operator shall provide notice of planned entry e. Such notice shall be provided at least seven days such tract; (2) to any owner or lessee of coal seams e six, chapter twenty-two of this code; and (3) any all include a statement that copies of the state Erosion ploration and production may be obtained from the ess for a web page on the Secretary's web site, to		
	by provided to:				
☐ SURFAC	E OWNER(s)	☐ COAL O	WNER OR LESSEE		
Name:		Name:	Name:		
Name:Address:		Address:			
Name:		•			
Address:	A Area	■ MINERA	L OWNER(s)		
		Name: Charles.	J. Bruhn		
Name:		Address 6692	Hampton Dr.		
Address:		San Jose, CA 9512			
		*please attach add	ditional forms if necessary		
a plat survey o		notice is hereby given that the ur Approx. Latitude	ndersigned well operator is planning entry to conduct & Longitude: 39.792781, -80.608056		
CACADA CATA	Marshall	Public Road Acce Watershed:	Grapevine Road CR 25/31		
District:	District: Liberty		Upper Fish Creek		
Quadrangle: Cameron		Generally used fa	arm name: Charles Jamison		
may be obtained Charleston, W obtained from Notice is her Well Operator	ed from the Secretary, at the WV V 25304 (304-926-0450). Copie the Secretary by visiting				

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.

RECEIVED
Office of Or and Gas

WW-6A3 (1/12)

4705102127

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

	Requirement:	Notice shall be prov	vided at least	SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to		
Pate of Notice: 5/17/2018 Date of Planned Entry		nned Entry:	· 5/24/2018		02/08/2019			
Delivery met	hod pursuant	to West Virginia C	Code § 22-6A	-10a		02,00,2010		
					er er regerier er e	25020 d 2 · ·		
☐ PERSON		REGISTERED			IVERY THAT RE			
SERVIC	E	MAIL	REC	CEIPT OR SIGN	IATURE CONFIR	MATION		
on to the surfabut no more the beneath such to owner of mine and Sediment Secretary, whenable the surfable that the surfa	ace tract to con han forty-five of tract that has fi erals underlyin Control Manu ich statement s face owner to	duct any plat survey days prior to such en led a declaration pur g such tract in the coal and the statutes are thall include contact obtain copies from the survey of the statute of the s	s required putry to: (I) The remark to sect ounty tax record rules related information,	irsuant to this ar the surface owner ion thirty-six, and ords. The notice and to oil and gas including the ac-	ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pi	shall provide notice of planned entry hall be provided at least seven days of any owner or lessee of coal seams wenty-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		
Notice is here	eby provided t	to:						
☐ SURFAC	CE OWNER(s)			☐ COAL OWNER OR LESSEE				
				Name:				
Address:			_	Address:				
Name:			_	4-6-				
Address:			-	MINE MINE	ERAL OWNER(s)			
				Name: Mindy Cardinal, fik/a Mindy Marie Zufra				
Name:					10403 Red Rose Dr			
Address:			_	Wadsworth, OH 44281				
-				*please attac	h additional forms if nee	cessary		
a plat survey of State:	Vest Virginia C on the tract of I West Virginia	land as follows:		Approx. Latit	ude & Longitude:	operator is planning entry to conduct 39.792781, -80.608056		
County: District:	Marshall			Public Road A	Access:	Grapevine Road CR 25/31		
	Cameron			Watershed:		Upper Fish Creek		
Quadrangio.	Quadrangle: Cameron			Generally used farm name: Charles Jamison				
Charleston, W	ned from the Se IV 25304 (304)	ecretary, at the WV	Department o s of such doc	of Environmenta uments or addit	l Protection headqu	I and gas exploration and production narters, located at 601 57 th Street, SE, elated to horizontal drilling may be		
Notice is her	reby given by	47*						
Well Operator				Address:	Do Doy 4000			
Well Operator: SWN PRODUCTION COMPANY, LLC Telephone: 304-884-1610				Addi 655.	PO BOX 1300			
Email:		swn.com or brittany_woody@	Deum com	Facsimile:	JANE LEW, WV 26378 304-884-1690			
	222_300011011@8		gown.com	i nesimire.	JU4-004-108U			

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.

RECEIVED Office of Cil and Gas

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to Date of Notice: 5/17/2018 Date of Planned Entry: 5/24/2018 02/08/2019 Delivery method pursuant to West Virginia Code § 22-6A-10a ☐ 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 planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: ☐ SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE Name: Name: Address: Address: Name: Address: ■ MINERAL OWNER(s) Name: Black Gold Group, LTD Name: Address: PO Box 85 Address: Stratsburg, OH 44680 *please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: West Virginia State: Approx. Latitude & Longitude: 39.792781, -80.608056 County: Marshall Public Road Access: Grapevine Road CR 25/31 District: Liberty Watershed: Upper Fish Creek Quadrangle: cameron Generally used farm name: Charles Jamison 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: PO BOX 1300 Telephone: 304-884-1610 JANE LEW, WV 26378 Email: dee_southall@swn.com or brittany_woody@swn.com Facsimile: 304-884-1690 Oil and Gas Privacy Notice:

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

Office of Colored Gas

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

STATE OF WEST VIRGINIA

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

Date of Notice	2: 5/17/2018 Date of Plan	nned Entry: 5/24/2018	_	02/08/2019		
Delivery meth	nod pursuant to West Virginia Co	ode § 22-6A-10a				
PERSON SERVICE			METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION			
on to the surfa but no more th beneath such to owner of mine and Sediment Secretary, whi enable the surfa	ce tract to conduct any plat surveys an forty-five days prior to such ent ract that has filed a declaration pur- rals underlying such tract in the co Control Manual and the statutes an ch statement shall include contact in face owner to obtain copies from the	s required pursuant to this as ry to: (1) The surface owner suant to section thirty-six, a unty tax records. The notice d rules related to oil and gas information, including the a	ticle. Such notice of such tract; (2) rticle six, chapter to shall include a state 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		
Notice is here	by provided to:					
☐ SURFAC	E OWNER(s)	□ coa	LOWNER OR LE	SSEE		
Name:						
Name:		to the second	_			
Address:	and the second s		ERAL OWNER(s)			
		2.7	herine Sibila			
Address:		Address:	9855 Arrowood Dr.			
		Manassas, VA	20111 h additional forms if ne			
a plat survey o	eby given: est Virginia Code § 22-6A-10(a), n n the tract of land as follows: West Virginia Marshall	Approx. Latit	ude & Longitude:	l operator is planning entry to conduct 39.792781, -80.608056		
	Liberty		iccess.	Grapevine Road CR 25/31 Upper Fish Creek		
	Cameron	Generally use	d farm name:	Charles Jamison		
Charleston, W	ed from the Secretary, at the WV D	epartment of Environmenta of such documents or addit	I Protection headq	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be		
	eby given by:					
Well Operator	SWN PRODUCTION COMPANY, LLC	Address:	PO BOX 1300			
Telephone:	304-884-1610		JANE LEW, WV 26378			
Email:	dee_southall@swn.com or brittany_woody@s	swn.com Facsimile:	304-884-1690			
The Office of duties. Your p	ersonal information may be discle	osed to other State agencie	s or third parties	phone number, as part of our regulatory in the normal course of business or as mation Act requests. Our office will		

appropriately secure your personal information. If you have any questions about our use or your personal information, please entered DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

OCT 2 3 2018

WV Department of Environmental Protection

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

	Date of Fia	nned Entry: 5/24/2018	02/08/2				
Delivery metl	hod pursuant to West Virginia C	ode § 22-6A-10a					
☐ PERSON	NAL REGISTERED	☐ METHOD OF DELIVERY THAT RE	EOUIRES A				
SERVIC		RECEIPT OR SIGNATURE CONFIR					
on to the surfact no more the seneath such to when of mine and Sediment Secretary, which able the surface to the surface of th	ace tract to conduct any plat survey an forty-five days prior to such en ract that has filed a declaration pure rals underlying such tract in the control Manual and the statutes are ich statement shall include contact face owner to obtain copies from the	Prior to filing a permit application, the operator is required pursuant to this article. Such notice stry to: (1) The surface owner of such tract; (2) represent to section thirty-six, article six, chapter to bunty tax records. The notice shall include a strand rules related to oil and gas exploration and prinformation, including the address for a web passes 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 roduction may be obtained from the				
lotice is here	by provided to:						
☐ SURFAC	E OWNER(s)	☐ COAL OWNER OR LE	SSEE				
Address:		Name:Address:					
Vame:							
Address:		■ MINERAL OWNER(s)					
		Name: Summer Daun Miller					
Vame:		Address: 1309 Center St					
Address:		Moundsville, WV 26003	Moundsville, WV 26003				
		*please attach additional forms if ne	cessary				
Notice is her		notice is hereby given that the undersigned wel					
i plat survey c State:	West Virginia	D. 11:- D 1 4	39.792781, -80.608056				
plat survey o state: County:	West Virginia Marshall	Public Road Access:	Grapevine Road CR 25/31				
a plat survey o State: County: District:	West Virginia	Public Road Access: Watershed:	Grapevine Road CR 25/31 Upper Fish Creek				
a plat survey of State: County: District: Quadrangle:	West Virginia Marshall Liberty Cameron	Public Road Access: Watershed: Generally used farm name:	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison				
n plat survey of State: County: District: Quadrangle: Copies of the state of the st	West Virginia Marshall Liberty Cameron state Erosion and Sediment Controlled from the Secretary, at the WV I V 25304 (304-926-0450). Copies	Public Road Access: Watershed:	Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57th Street, SE, related to horizontal drilling may be				
plat survey of state: County: District: Quadrangle: Copies of the s may be obtain Charleston, W	West Virginia Marshall Liberty Cameron state Erosion and Sediment Controled from the Secretary, at the WV I V 25304 (304-926-0450). Copies the Secretary by visiting www.der	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 in	Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57th Street, SE, related to horizontal drilling may be				
plat survey of state: County: District: Quadrangle: Copies of the s may be obtain Charleston, W btained from	West Virginia Marshall Liberty Cameron state Erosion and Sediment Controled from the Secretary, at the WV IV 25304 (304-926-0450). Copies the Secretary by visiting www.degreby given by:	Public Road Access: Watershed: Generally used farm name: If Manual and the statutes and rules related to one of the properties of Environmental Protection heading of such documents or additional information in p.wv.gov/oil-and-gas/pages/default.aspx.	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be Office of Charles Gas				
plat survey of State: County: District: Quadrangle: Copies of the s may be obtain Charleston, W	West Virginia Marshall Liberty Cameron state Erosion and Sediment Controlled from the Secretary, at the WV IV 25304 (304-926-0450). Copies the Secretary by visiting www.degreeby given by:	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 in	Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57th Street, SE, related to horizontal drilling may be Office of Charles Jamison				

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.

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

	ce: 5/17/2018 Date of Plan	ned Entry: <u>5/24/2018</u>	02/08/2
Delivery met	thod pursuant to West Virginia Co	de § 22-6A-10a	
☐ PERSO	NAL REGISTERED	☐ METHOD OF DELIVERY THA	AT REQUIRES A
SERVIC		RECEIPT OR SIGNATURE CO	
on to the surfact no more to be eneath such owner of min and Sediment Secretary, wh	ace tract to conduct any plat surveys than forty-five days prior to such entract that has filed a declaration pursuerals underlying such tract in the cout Control Manual and the statutes and	required pursuant to this article. Such nory to: (1) The surface owner of such traction to section thirty-six, article six, characteristic tax records. The notice shall included rules related to oil and gas exploration information, including the address for a vertical surface.	erator shall provide notice of planned entry otice shall be provided at least seven days t; (2) to any owner or lessee of coal seams upter twenty-two of this code; and (3) any e a statement that copies of the state Erosion and production may be obtained from the web page on the Secretary's web site, to
lotice is her	reby provided to:		
☐ SURFA	CE OWNER(s)	☐ COAL OWNER O	OR LESSEE
Address:			
Vame:			
Address:		■ MINERAL OWN	ER(s)
		Name: James Hosking	
Vame:	-	A dilament one Depobles Di	MM
Name:		Address: 906 Denshire Dr.	NW
Address		Address: 906 Denshire Dr.	
Notice is he Pursuant to Va plat survey State: County: District:	ereby given: Vest Virginia Code § 22-6A-10(a), no on the tract of land as follows: West Virginia Marshall Liberty	Address: 906 Denshire Dr. Canal Fulton, OH 44614 *please attach additional for otice is hereby given that the undersigne Approx. Latitude & Longi Public Road Access: Watershed:	and well operator is planning entry to conduct tude: 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek
Notice is he Pursuant to Var plat survey State: County: District:	ereby given: Vest Virginia Code § 22-6A-10(a), no on the tract of land as follows: West Virginia Marshall Liberty	Address: 906 Denshire Dr. Canal Fulton, OH 44614 *please attach additional for otice is hereby given that the undersigne Approx. Latitude & Longi Public Road Access:	and well operator is planning entry to conduct tude: 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek
Notice is he Pursuant to V a plat survey State: County: District: Quadrangle: Copies of the may be obtai Charleston, V obtained from Notice is he Well Operate	ereby given: West Virginia Code § 22-6A-10(a), no on the tract of land as follows: West Virginia Marshall Liberty Cameron e state Erosion and Sediment Control and from the Secretary, at the WV DAWV 25304 (304-926-0450). Copies on the Secretary by visiting www.dep	Address: 906 Denshire Dr. Ganal Fulton, OH 44614 *please attach additional for otice is hereby given that the undersigne Approx. Latitude & Longi Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules related Department of Environmental Protection	and well operator is planning entry to conduct tude: 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison and to oil and gas exploration and production headquarters, located at 601 57th Street, SE, ation related to horizontal drilling may be
Notice is he Pursuant to Var plat survey State: County: District: Quadrangle: Copies of the may be obtained from the Notice is he	ereby given: West Virginia Code § 22-6A-10(a), no on the tract of land as follows: West Virginia Marshall Liberty Cameron e state Erosion and Sediment Control ned from the Secretary, at the WV D WV 25304 (304-926-0450). Copies on the Secretary by visiting www.dep	Address: 906 Denshire Dr. Canal Fulton, OH 44614 *please attach additional for otice is hereby given that the undersigned Approx. Latitude & Longic Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules related Department of Environmental Protection of such documents or additional information.	and well operator is planning entry to conduct tude: 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison and to oil and gas exploration and production headquarters, located at 601 57th Street, SE, ation related to horizontal drilling may be

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.

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

STATE OF WEST VIRGINIA

PERSONAL SERVICE Pursuant to West Virgon to the surface trace out no more than for beneath such tract the owner of minerals unand Sediment Control Secretary, which starenable the surface of Notice is hereby pro-	MAIL RE rginia Code § 22-6A-10(a), Prior to filit to to conduct any plat surveys required p ty-five days prior to such entry to: (1) T eat has filed a declaration pursuant to se inderlying such tract in the county tax re tol Manual and the statutes and rules relatement shall include contact information where to obtain copies from the secretary ovided to:	ETHOD OF DELIVERY THAT RECEIPT OR SIGNATURE CONFIRMS a permit application, the operator oursuant to this article. Such notice so the surface owner of such tract; (2) to tion thirty-six, article six, chapter to cords. The notice shall include a stated to oil and gas exploration and property in including the address for a web party.	MATION 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
SERVICE ursuant to West Vir in to the surface trace int no more than for eneath such tract the wher of minerals un and Sediment Control ecretary, which stan hable the surface of fotice is hereby pro-	MAIL RE reginia Code § 22-6A-10(a), Prior to filit to to conduct any plat surveys required p ty-five days prior to such entry to: (1) T eat has filed a declaration pursuant to se inderlying such tract in the county tax re tol Manual and the statutes and rules relatement shall include contact information where to obtain copies from the secretary ovided to:	CEIPT OR SIGNATURE CONFIR ag a permit application, the operator pursuant to this article. Such notice so The surface owner of such tract; (2) to ction thirty-six, article six, chapter to cords. The notice shall include a sta atted to oil and gas exploration and pontal, including the address for a web parts.	MATION 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
n to the surface tracult no more than for eneath such tract the wner of minerals und Sediment Controller ecretary, which standable the surface of the surfac	et to conduct any plat surveys required p ty-five days prior to such entry to: (1) I at has filed a declaration pursuant to se inderlying such tract in the county tax re of Manual and the statutes and rules rela- tement shall include contact information where to obtain copies from the secretary ovided to:	pursuant to this article. Such notice so The surface owner of such tract; (2) to etion thirty-six, article six, chapter to cords. The notice shall include a sta atted to oil and gas exploration and particularly including the address for a web particular.	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
☐ SURFACE OW			
Jame:	NER(s)	☐ COAL OWNER OR LE	SSEE
	· ·	Name:	
Address:		Address:	
Vame:	·		-
ddress:	100	■ MINERAL OWNER(s)	
		Name: Manager Enterprises, LLC	
Name:		Address: PO Box 6812	·
Address:		Wheeling, WV 26003 *please attach additional forms if ne	
plat survey on the tate: West V	rginia Code § 22-6A-10(a), notice is he tract of land as follows:	Approx. Latitude & Longitude:	
	li .	Public Road Access:	Grapevine Road CR 25/31
A TOTAL CONTRACTOR OF THE PARTY		Watershed:	Upper Fish Creek
Quadrangle: Camero	on	Generally used farm name:	Charles Jamison
County: District: Quadrangle: Copies of the state E may be obtained from the So	erosion and Sediment Control Manual a m the Secretary, at the WV Department 304 (304-926-0450). Copies of such do ecretary by visiting www.dep.wv.gov/o	Public Road Access: Watershed: Generally used farm name: and the statutes and rules related to o of Environmental Protection headq ocuments or additional information r	Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57th Street, SE, related to horizontal drilling may be
Notice is hereby g Well Operator: swi	given by: N PRODUCTION COMPANY, LLC	Address: PO BOX 1300	Office of Car
T. T. T.	-884-1610	JANE LEW, WV 26378	***
Email: dee	southall@swn.com or brittany_woody@swn.com	Facsimile: 304-884-1690	
Oil and Gas Priva	nov Notice		WV Departmen Environmental Prof

appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

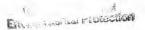
	e: 5/17/2018		ined Entry:	3/24/2010		02/08/2
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-	10a		
□ PERSON		REGISTERED			IVERY THAT RE	
SERVIC	Œ	MAIL	REC	EIPT OR SIGN	ATURE CONFIR	MATION
on to the surfact to more the seneath such to be seneath such to be seneath such the sund Sediment Secretary, which able the surface surface to the surface surfac	ace tract to con han forty-five of tract that has fi erals underlyin Control Manu ich statement s face owner to	duct any plat surveys days prior to such en- iled a declaration pur- ig such tract in the co- al and the statutes and shall include contact obtain copies from the	required purity to: (1) The suant to secti- unty tax reco d rules relate information,	rsuant to this ar e surface owner on thirty-six, ar ords. The notice d to oil and gas	ticle. Such notice s of such tract; (2) ticle six, chapter t shall include a state 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
	eby provided					
	CE OWNER(s)			☐ COAI	OWNER OR LE	SSEE
lame:			2	Name:		
ddress:			-	Address:		
lame:				Caracter Control		
ddress:			7	■ MINE	RAL OWNER(s)	
				Name: Deb	ra Louk \	
			-	Address: 3	343 Skyview Dr	
ame:				Wintersville, O	H 43953	
ddress:			_			
Name: Address:					additional forms if ne	cessary
Notice is her ursuant to W plat survey of tate:	reby given: Vest Virginia C			*please attack		l operator is planning entry to conduct 39.792781, -80.608056
otice is her ursuant to W plat survey o tate: ounty:	reby given: Vest Virginia Con the tract of West Virginia	ode § 22-6A-10(a), r	otice is hereb	*please attack by given that th Approx. Latity Public Road A	e undersigned wel	l operator is planning entry to conduct
otice is her ursuant to W plat survey o tate: ounty:	reby given: Vest Virginia Con the tract of West Virginia Marshall	ode § 22-6A-10(a), r land as follows:	otice is hereb	*please attack by given that th Approx. Latite Public Road A Watershed:	e undersigned wel ade & Longitude: access:	l operator is planning entry to conduct
Notice is her Tursuant to W plat survey of tate: County: District:	reby given: Vest Virginia Con the tract of West Virginia	ode § 22-6A-10(a), r land as follows:	otice is hereb	*please attack by given that th Approx. Latity Public Road A	e undersigned wel ade & Longitude: access:	l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31
Notice is here Pursuant to W plat survey of state: County: District: Quadrangle: Copies of the may be obtain Charleston, W obtained from	reby given: Vest Virginia Con the tract of West Virginia Marshall Liberty Cameron state Erosion and from the Selvy 25304 (304) and the Secretary	and Sediment Contro ecretary, at the WV I 4-926-0450). Copies by visiting www.der	otice is hereb	*please attack by given that the Approx. Latita Public Road A Watershed: Generally use the statutes and Environmenta ments or additi	e undersigned well de & Longitude: ccess: d farm name: d rules related to o l Protection headq onal information r	l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek
Notice is her ursuant to W plat survey of tate: County: District: Duadrangle: Copies of the nay be obtain Charleston, W btained from	reby given: Vest Virginia Con the tract of West Virginia Marshall Liberty Cameron state Erosion and from the Selvy 25304 (304) at the Secretary	and Sediment Controlecretary, at the WV Independent of the sediment Controlecretary, at the WV Independent Controlecretary at the WV Independent Control Controlecretary at the WV Independent Control Contro	otice is hereb	*please attack by given that the Approx. Latin Public Road A Watershed: Generally use the statutes and f Environmenta aments or additionand-gas/pages/c	e undersigned well ade & Longitude: access: d farm name: d rules related to o l Protection headq onal information r lefault.aspx.	and gas exploration and production
Notice is here Pursuant to W plat survey of state: County: District: Quadrangle: Copies of the may be obtain Charleston, W btained from	reby given: Vest Virginia Con the tract of West Virginia Marshall Liberty Cameron state Erosion and from the Selvy 25304 (304) at the Secretary	and Sediment Contro ecretary, at the WV I 4-926-0450). Copies by visiting www.der	otice is hereb	*please attack by given that the Approx. Latita Public Road A Watershed: Generally use the statutes and Environmenta ments or additi	e undersigned well de & Longitude: ccess: d farm name: d rules related to o l Protection headq onal information r	39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be

Oil and Gas Privacy Notice:

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

RECEIVED
Office of Oil and Gas

OCT 2 3 7018



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

Date of Noti	ce: 5/17/2018	Date of Plan	ned Entry: 5/2	24/2018			02/08/2	
elivery me	thod pursuant	to West Virginia Co	ode § 22-6A-10)a				
PERSO	NAL 🔳	REGISTERED	□ метн	OD OF DEL	IVERY THAT RE	OUIRES A		
SERVI	CE	MAIL		RECEIPT OR SIGNATURE CONFIRMATION				
n to the sur- ut no more eneath such wner of mir nd Sedimen ecretary, whable the su	face tract to conthan forty-five of tract that has finerals underlying the Control Manustick statements of trace owner to control of the cont	ode § 22-6A-10(a), P duct any plat surveys ays prior to such ent led a declaration purs g such tract in the co- al and the statutes and hall include contact in obtain copies from the	required pursury to: (1) The sum to section unty tax record drules related information, incomments are section.	uant to this are surface owners thirty-six, are s. The notice to oil and gas	ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pr	hall be provided at less of any owner or less of wenty-two of this contement that copies of roduction may be ob-	east seven days ee of coal seams de; and (3) any of the state Erosion tained from the	
	eby provided t							
	CE OWNER(s)			☐ COAI	OWNER OR LE	SSEE		
lame:			-	Name:				
.ddress:			_	Address:				
lame:		444			and Makana A			
ddress:			-	III MINE	RAL OWNER(s)			
lame.			-9	Name: Den	nis Gosney			
ddress:		15-115	•	Address: 5	nis Gosney 114 W. Dorothy Ln 409 1 additional forms if ne			
			- 1	*please attacl	additional forms if ne	cessary	-	
ursuant to V	ereby given: West Virginia Co on the tract of I	ode § 22-6A-10(a), n	otice is hereby	given that th	e undersigned well	operator is planning	g entry to conduct	
tate:	West Virginia	and as tonows.	P	Approx. Latiti	ide & Longitude:	39.792781, -80.608056		
County:	Marshall		T	Public Road A		Grapevine Road CR 25/31		
District:	Liberty			Watershed:		Upper Fish Creek		
uadrangle:	Cameron		(Generally use	d farm name:	Charles Jamison		
Comment Mark		nd Sediment Control	Manual and th	ne statutes and	d rules related to o	il and gas exploratio	n and production	
Copies of the nay be obtained from Notice is he well Operate	ned from the Se WV 25304 (304 in the Secretary ereby given by SWN PRODUC	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	Department of E of such docum	ents or additi	onal information r	elated to horizontal	drilling may be Office of Mand Gas OCT 2 3 2018	
Copies of the nay be obtain Charleston, Voltained from	ned from the Se WV 25304 (304 in the Secretary ereby given by	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	Department of E of such docum	ents or additi d-gas/pages/c	onal information r lefault.aspx.	elated to horizontal	drilling may be RECEIVED Office of oil and Gas	

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

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

Dallarana		nned Entry: 5/24/2018	
envery men	hod pursuant to West Virginia Co	ode § 22-6A-10a	
PERSON SERVICE		☐ METHOD OF DELIVERY THAT R RECEIPT OR SIGNATURE CONFI	
n to the surfa ut no more the eneath such to wher of mine and Sediment ecretary, whith nable the surfa	nce tract to conduct any plat surveys nan forty-five days prior to such ent tract that has filed a declaration pur- erals underlying such tract in the co- Control Manual and the statutes an	rior to filing a permit application, the operator required pursuant to this article. Such notice ry to: (1) The surface owner of such tract; (2) suant to section thirty-six, article six, chapter unty tax records. The notice shall include a s d rules related to oil and gas exploration and information, including the address for a web persecretary.	shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the
	***********	П солу омень это	
	E OWNER(s)	☐ COAL OWNER OR L	
ame:		Name:Address:	
daress.			THE STATE OF THE S
ame:			
ame:		MINERAL OWNER(s)
lame: ddress:		MINERAL OWNER(s	
Jame: Iddress: Jame:		Name: Douglas Gosney Address: 231 Woodridge De Act. C	
Jame: Iddress: Jame:		Name: Douglas Gosney Address: 231 Woodridge De Apt. C	C-204
Vame: Address: Vame:		Name: Douglas Gosney Address: 231 Woodridge De Act. C	C-204
ame:ddress:ddress:ddress:	reby given:	Name: Douglas Gosney Address: 231 Woodridge De Apt. Co. Wintersville, OH 43953 *please attach additional forms if respectively. Otice is hereby given that the undersigned we	necessary ell operator is planning entry to conduct
lame:ddress: lame:ddress: lotice is her ursuant to Wiplat survey of tate:	reby given: fest Virginia Code § 22-6A-10(a), non the tract of land as follows:	Name: Douglas Gosney Address: 231 Woodridge De Apt. C Wintersville, OH 43953 *please attach additional forms if r otice is hereby given that the undersigned we Approx. Latitude & Longitude:	ell operator is planning entry to conduct 39.792781, -80.608056
ame:ddress: ame:ddress: fotice is her ursuant to Wiplat survey of tate: ounty:	reby given: fest Virginia Code § 22-6A-10(a), non the tract of land as follows: West Virginia	Name: Douglas Gosney Address: 231 Woodridge De Apt. C Wintersville, OH 43953 *please attach additional forms if r otice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access:	necessary ell operator is planning entry to conduct
ame:ddress: ame:ddress: fotice is her ursuant to We plat survey of tate: ounty:istrict: uadrangle:	reby given: Test Virginia Code § 22-6A-10(a), non the tract of land as follows: West Virginia Marshall Liberty Cameron	Name: Douglas Gosney Address: 231 Woodridge De Apt. C Wintersville, OH 43953 *please attach additional forms if r otice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name:	necessary Bill operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison
Notice is her cursuant to We plat survey of tate: County: District: Quadrangle: Copies of the series be obtained. Charleston, We btained from	reby given: lest Virginia Code § 22-6A-10(a), non the tract of land as follows: West Virginia Marshall Liberty Cameron state Erosion and Sediment Control ed from the Secretary, at the WV D V 25304 (304-926-0450). Copies the Secretary by visiting www.dep	Name: Douglas Gosney Address: 231 Woodridge De Apt. C Wintersville, OH 43953 *please attach additional forms if r otice is hereby given that the undersigned we Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to be partment of Environmental Protection head of such documents or additional information .wv.gov/oil-and-gas/pages/default.aspx.	necessary Bell operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be
lame:	reby given: lest Virginia Code § 22-6A-10(a), non the tract of land as follows: West Virginia Marshall Liberty Cameron state Erosion and Sediment Control ed from the Secretary, at the WV DIV 25304 (304-926-0450). Copies the Secretary by visiting www.dep	Name: Douglas Gosney Address: 231 Woodridge De Apt. Co. Wintersville, OH 43953 *please attach additional forms if routice is hereby given that the undersigned were Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to be partment of Environmental Protection head of such documents or additional information	ell operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be Office of Oil and Gas

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

Notice Time	Requirement: No	tice shall be prov	ided at least	SEVEN (7) day	s but no more tha	n FORTY-FIVE (4	5) days prior to	
Date of Notice	ce: 5/17/2018	Date of Plan	nned Entry	5/24/2018			02/08/2019	
Delivery met	hod pursuant to	West Virginia Co	ode § 22-6A	-10a				
☐ PERSO	NAL R	EGISTERED	□ ме	THOD OF DEL	IVERY THAT RE	OUIRES A		
SERVIC		IAIL		ETHOD OF DELIVERY THAT REQUIRES A ECEIPT OR SIGNATURE CONFIRMATION				
but no more the such beneath such owner of min and Sediment Secretary, who	ace tract to conduct than forty-five days tract that has filed erals underlying su Control Manual a	any plat surveys prior to such ent a declaration purs ach tract in the cound the statutes and l include contact i	s required pury to: (1) The suant to sect unity tax recurs of rules relation.	ursuant to this ar ne surface owner tion thirty-six, ar ords. The notice ed to oil and gas including the ac	of such notice so of such tract; (2) ticle six, chapter to shall include a state exploration and notices.	shall provide notice shall be provided at to any owner or less wenty-two of this co atement that copies of roduction may be ob age on the Secretary	least seven days ee of coal seams de; and (3) any of the state Erosion	
Notice is her	eby provided to:							
☐ SURFAC	CE OWNER(s)			☐ COAI	OWNER OR LE	SSEE		
Name:								
Address:			-3.	Address:			-	
Name:			-8	-			+	
Address:					RAL OWNER(s)			
				Name: Darr	en Gosney \			
Name:				Address:	333 Crist Rd		3	
Address:			-	Springfield, OH	45502 additional forms if ne		-	
Notice is he	reby given:		-	product and a	additional forms if no	, , , , , , , , , , , , , , , , , , ,		
Pursuant to W		§ 22-6A-10(a), n	otice is here	eby given that the	e undersigned well	l operator is planning	g entry to conduct	
State:	152	d3 10110 WS.		Approx. Latit	ide & Longitude:	39.792781, -80.608056		
County:	Marshall			Public Road A		Grapevine Road CR 25/3*		
District:	Liberty			Watershed:		Upper Fish Creek		
Quadrangle:	Liberty Cameron			Generally use	I farm name:	Charles Jamison		
may be obtain Charleston, V	ed from the Secre	tary, at the WV D 26-0450). Copies	Department of such doc	of Environmenta cuments or additi	l Protection headq onal information r	il and gas exploratio uarters, located at 60 elated to horizontal	11 57th Street, SE,	
Notice is he	reby given by:							
Well Operato	F: SWN PRODUCTION	COMPANY, LLC		Address:	PO BOX 1300		OCT 2 3 2018	
Telephone:	304-884-1610				JANE LEW, WV 26378		WAY Daniel	
Email:	dee_southall@swn.c	com or brittany_woody@s	swn.ccm	Facsimile:	304-884-1690		WV Department of Environmental Protection	
The Office of	s Privacy Notice Oil and Gas proce personal informat	esses your person	al informati	оп, such as name er State agencie	e, address and tele	phone number, as pain the normal cours	art of our regulatory	

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

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

	ce: 5/17/2018	Date of Plan	nned Entry: 5/24/2018			02/08/201
Delivery method pursuant to West Virginia Code § 22-6A-			ode § 22-6A-10a			02/00/201
					COURT AC. 1	
PERSO			☐ METHOD OF DEI			
SERVIC	J.B	MAIL	RECEIPT OR SIG	NATURE CONFI	RMATION	
on to the surf out no more to beneath such owner of min and Sediment Secretary, who	tace tract to conthan forty-five of tract that has finerals underlying to Control Manunich statement s	nduct any plat surveys days prior to such ent iled a declaration pur- ng such tract in the co nal and the statutes an	s required pursuant to this a try to: (1) The surface owne suant to section thirty-six, a punty tax records. The notice and rules related to oil and ga information, including the a	rticle. Such notice or of such tract; (2) article six, chapter e shall include a s s exploration and	or shall provide notice of plant shall be provided at least set to any owner or lessee of continents, two of this code; and tatement that copies of the supproduction may be obtained bage on the Secretary's web	ven days pal seams I (3) any tate Erosion from the
otice is her	eby provided	to:				
☐ SURFAC	CE OWNER(s)	r.	☐ COA	L OWNER OR L	ESSEE	
Address:			Address:			
Vame:						
Address:			■ MIN	ERAL OWNER(s)	
			Name: Jef	frey H. Cunningham I		
Name:			_ Address:	1947 Burch Ridge Road		
Address:			Proctor, VVV 2	20000		
			- Tplease attac	ch additional forms if r	ecessary	
Notice is he	ereby given:					
Pursuant to V	West Virginia C	ode § 22-6A-10(a), n	otice is hereby given that th	ne undersigned we	ll operator is planning entry	to conduct
a plat survey	on the tract of	land as follows:			A TOTAL STATE OF THE STATE OF	
				tude & Longitude:		
	Marshall			Access:	Grapevine Road CR 25/31	
County:	-				Upper Fish Creek	
County: District:	Liberty					
County: District:	Liberty			ed farm name:	Charles Jamison	
County: District: Quadrangle: Copies of the nay be obtain Charleston, V	Cameron a state Erosion a ned from the So	and Sediment Control ecretary, at the WV I 4-926-0450). Copies	Generally use I Manual and the statutes an Department of Environment	nd rules related to al Protection head tional information		Street, SE, may be
County: District: Quadrangle: Copies of the may be obtain Charleston, Voltained from	Cameron a state Erosion a ned from the So	and Sediment Control ecretary, at the WV I 4-926-0450). Copies by visiting <u>www.dep</u>	Generally use I Manual and the statutes ar Department of Environments of such documents or addit	nd rules related to al Protection head tional information	Charles Jamison oil and gas exploration and p	Street, SE, may be
County: District: Quadrangle: Copies of the may be obtain Charleston, Voltained from Notice is he	Liberty Cameron e state Erosion a ned from the Se WV 25304 (304 n the Secretary	and Sediment Control ecretary, at the WV I 4-926-0450). Copies by visiting <u>www.dep</u>	Generally use I Manual and the statutes ar Department of Environments of such documents or addit	nd rules related to al Protection head tional information	Charles Jamison oil and gas exploration and p	Street, SE, may be Office of Oil o
County: District: Quadrangle: Copies of the may be obtain Charleston, Voltained from Notice is he Well Operato Telephone:	Liberty Cameron e state Erosion a ned from the Se WV 25304 (304 n the Secretary	and Sediment Control ecretary, at the WV I 4-926-0450). Copies by visiting www.dep	Generally use I Manual and the statutes ar Department of Environments of such documents or addit b.wv.gov/oil-and-gas/pages/	nd rules related to al Protection head tional information default.aspx.	Charles Jamison oil and gas exploration and p quarters, located at 601 57 th related to horizontal drilling	Street, SE, may be Office of Oil a
may be obtain Charleston, Vobtained from	c state Erosion and from the Solve 25304 (304) the Secretary ereby given by SWN PRODUCTION 1304-884-1810	and Sediment Control ecretary, at the WV I 4-926-0450). Copies by visiting www.dep	Generally use I Manual and the statutes ar Department of Environments of such documents or addit o.wv.gov/oil-and-gas/pages/	nd rules related to al Protection head tional information default.aspx.	Charles Jamison oil and gas exploration and p quarters, located at 601 57 th related to horizontal drilling	Street, SE, may be

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

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Jate of Noti	ce: 5/17/2018	Date of Pla	nned Entry: 5/24/2018		02/08/20			
Delivery me	thod pursuan	nt to West Virginia C	ode § 22-6A-10a					
☐ PERSO	NAL E	REGISTERED	☐ METHOD OF DE	LIVERY THAT R	EOUIRES A			
SERVIC		MAIL	RECEIPT OR SIG		(Th) ' - (
n to the surf ut no more to eneath such wner of mir nd Sediment ecretary, who	ace tract to co han forty-five tract that has erals underlyit Control Man nich statement	onduct any plat survey e days prior to such en filed a declaration pur ing such tract in the co nual and the statutes ar	s required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notion and rules related to oil and gat information, including the a	rticle. Such notice or of such tract; (2) article six, chapter to shall include a start 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 ratement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to			
otice is her	eby provided	l to:						
□ SURFA	CE OWNER(s)	□ coA	L OWNER OR LI	ESSEE			
Vame:								
.ddress:			Address:	Name:Address:				
ame:								
ame:			II MIN	■ MINERAL OWNER(s)				
			IVILLY	EKAL OWNER(S)				
			Name: Sa	ERAL OWNER(S) Indra Sue Peklinsky				
lame:			Name: Sa	ndra Sue Peklinsky 126 Grant Ave				
lame: .ddress:			Name: Se Address: Wheeling, W	ndra Sue Peklinsky 126 Grant Ave				
ame:ddress:	ereby given:	Code § 22-6A-10(a), 1	Name: Se Address: Wheeling, W	ndra Sue Peklinsky 126 Grant Ave V 26003 ch additional forms if n				
ame:ddress:	ereby given:		Name: Se Address: Wheeling, W **please atta	ndra Sue Peklinsky 126 Grant Ave v 26003 ch additional forms if no	ccessary Il operator is planning entry to conduct			
ame:ddress:	ereby given: Vest Virginia on the tract o	Code § 22-6A-10(a), 1 f land as follows:	Name: St Address: Wheeling, W *please atta notice is hereby given that t	ndra Sue Peklinsky 126 Grant Ave v 26003 ch additional forms if note undersigned we tude & Longitude:	ccessary Il operator is planning entry to conduct			
ame:ddress: fotice is hearsuant to Viplat survey late: ounty:	ereby given: Vest Virginia on the tract o	Code § 22-6A-10(a), 1 f land as follows:	Name: St Address: Wheeling, W *please atta notice is hereby given that t Approx. Lati	ndra Sue Peklinsky 126 Grant Ave v 26003 ch additional forms if note undersigned we tude & Longitude:	ccessary Il operator is planning entry to conduct 39.792781, -80.808056			
lame:ddress:	ereby given: Vest Virginia on the tract o	Code § 22-6A-10(a), 1 f land as follows:	Name: St Address: Wheeling, W *please atta notice is hereby given that t Approx. Lati Public Road Watershed:	ndra Sue Peklinsky 126 Grant Ave v 26003 ch additional forms if note undersigned we tude & Longitude:	ecessary Il operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31			
Indice is he ursuant to V plat survey tate: county: district: duadrangle: copies of the hay be obtained from	West Virginia on the tract or West Virginia Marshall Liberty Cameron state Erosion and from the Sevy 25304 (30 an the Secretar	Code § 22-6A-10(a), 1 f land as follows: a and Sediment Contro Secretary, at the WV I 04-926-0450). Copies by by visiting www.dep	Name: Sa Address: Wheeling, W *please atta notice is hereby given that the Approx. Lati Public Road Watershed: Generally us	ndra Sue Peklinsky 126 Grant Ave v 26003 ch additional forms if notes the undersigned we tude & Longitude: Access: ed farm name:	Il operator is planning entry to conduct 39.792781, -80.808056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison oil and gas exploration and production quarters, located at 601 57th Street, SE, related to horizontal drilling may be office of oil and Ga OCT 2 3 2018			

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

WW-6A3 (1/12)

4705102127

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to Date of Notice: 5/17/2018 Date of Planned Entry: 5/24/2018 02/08/2019 Delivery method pursuant to West Virginia Code § 22-6A-10a ☐ PERSONAL ■ REGISTERED ☐ METHOD OF DELIVERY THAT REQUIRES A SERVICE RECEIPT OR SIGNATURE CONFIRMATION MAIL Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: ☐ SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE Name: Name: WV Department of Environmental Protection Address: Address: Name: OC1 53 5018 Address: MINERAL OWNER(s) Office of Oil and Gas Name: Kelly Thomason Address: 287 Wilber Dr. NE Apt. 2 Address: North Canton, OH 44720 *please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39.792781, -80.608056 County: Marshall Public Road Access: Grapevine Road CR 25/31 District: Liberty Watershed: Upper Fish Creek Quadrangle: Cameron Generally used farm name: Charles Jamison 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: PO BOX 1300 Telephone: 304-884-1610 JANE LEW, WV 26378 Email: dee_southall@swn.com or brittany_woody@swn.com Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

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

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

Notice Time I	Requirement:	Notice shall be prov	vided at	least SEVEN (7) da	ys but no more tha	n FORTY-FF	VE (45) days prior to
Date of Notice	e: 5/17/2018	Date of Pla	nned E	ntry: 5/24/2018			02/08/2019
Delivery meth	od pursuant	to West Virginia C	ode § 2	2-6A-10a			02/00/2010
PERSON SERVICE		REGISTERED MAIL		METHOD OF DEL RECEIPT OR SIGN			
but no more the beneath such to owner of miner and Sediment (Secretary, while enable the surf	an forty-five defact that has file rals underlying Control Manuach statement slace owner to o	ays 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	s require try to: (suant to unty tax id rules informa	ed pursuant to this are 1) The surface owner 2) section thirty-six, and 3) records. The notice 3) related to oil and gast 4) tion, including the act	ticle. Such notice s of such tract; (2) ticle six, chapter to shall include a state exploration and p	shall be provid to any owner o wenty-two of t atement that co roduction 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 retary's web site, to
Notice is here!	by provided to E OWNER(s)	0:		Псом	L OWNER OR LE	CCEE	
				Name	LOWNERORLE	SSEE	
Address:			-	Address			
				Addicss.			
Name:							Office of Oil and Gas
Address:			_		ERAL OWNER(s)		RECEIVE and Gas
					e Marie Strebel		Office of 2018
Name:			-0.1		149 Briar Ridge Dr		Office of 2 3 2018
Address.			-	San Jose, VA	95123) h additional forms if ne	AARONY!	- artment of
			-	please attack	i additional forms if he	ccssary	WV Department of Environmental Protection
Notice is her Pursuant to We		ode § 22-6A-10(a), r	notice is	hereby given that th	e undersigned wel	l operator is pla	anning entry to conduct
a plat survey of	n the tract of la	and as follows:					
	West Virginia	Company of the Compan			ude & Longitude:	39.792781, -80,60	8056
County:	Marshall			_ Public Road A	Access:	Grapevine Road C	
a to State of the second secon	Liberty			Watershed:	1.6	Upper Fish Creek	
Quadrangle:	Cameron			Generally use	d farm name:	Charles Jamison	
may be obtained Charleston, W	ed from the Se V 25304 (304	cretary, at the WV I -926-0450). Copies	Departm of such	ent of Environmenta	l Protection headq ional information r	uarters, located	oration and production I at 601 57 th Street, SE, ontal drilling may be
Notice is her	eby given by	7:					
Well Operator:		TION COMPANY, LLC		Address:	PO BOX 1300		
Telephone:	304-884-1610				JANE LEW, WV 26378	3	
Email:	dee_southall@s	wn.com or brittany_woody@	swn.com	Facsimile:	304-884-1690		

Oil and Gas Privacy Notice:

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

WV Department of Environmental Protection

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Date of Notice	ce: 5/17/2018 Date of Pla	nned Entry: 5/24/2018		02/08/2019
Delivery met	thod pursuant to West Virginia C	ode § 22-6A-10a		
PERSON SERVICE		☐ METHOD OF DEL RECEIPT OR SIGN		
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh	ace tract to conduct any plat survey han forty-five days prior to such en tract that has filed a declaration pur erals underlying such tract in the co	s required pursuant to this are try to: (1) The surface owner resuant to section thirty-six, and punty tax records. The notice and rules related to oil and gas information, including the ar	ticle. Such notice s of such tract; (2) ticle six, chapter to e shall include a state 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
	eby provided to:			
☐ SURFAC	CE OWNER(s)	☐ coai	LOWNER OR LE	SSEE
Name:		Name:		
Address:		Address:		
Name:		-		
Address:		■ MINE	ERAL OWNER(s)	
		Name: Kar	1	
Name:		Address:	11519 Domina ST	
Address:	and the second s	Richmond, TX		
		*please attac	additional forms if ne	cessary
a plat survey State:		Approx. Latit	ıde & Longitude:	operator is planning entry to conduct 39.792781, -80.608056
County: District:		Public Road A	Access:	Grapevine Road CR 25/31
Quadrangle:	Liberty Cameron	Watershed:	1.6	Upper Fish Creek
Quadrangie.	Carnelon	Generally use	d farm name:	Charles Jamison
may be obtain Charleston, V	ned from the Secretary, at the WV I	Department of Environmenta s of such documents or addit:	l Protection headque on al information r	il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be
Notice is he	reby given by:			
Well Operato		A didunere	ela esperanta.	
Telephone:		Address:	PO BOX 1300	
Email:	304-884-1610	73	JANE LEW, WV 26378	
	dee_southall@swn.com or brittany_woody@	swn.com Facsimile:	304-884-1690	

Oil and Gas Privacy Notice:

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

Office of Cil and Gas

OCT 2 3 2018

Environment of

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

STATE OF WEST VIRGINIA

Date of Notice: 5/17/2018 Date of Planned Entry:			02/08/2019
West Virginia Code § 22-6.	A-10a		
		IVERY THAT RE	
any plat surveys required prior to such entry to: (1) To declaration pursuant to see the tract in the county tax rend the statutes and rules related.	pursuant to this are the surface owner ction thirty-six, and cords. The notice ated to oil and gase, including the action to the action of the	ticle. Such notice s of such tract; (2) ticle six, chapter to shall include a state 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 roduction may be obtained from the age on the Secretary's web site, to
SURFACE OWNER(s)		OWNER OR LE	SSEE
Name:			
Name:Address:			
	+		
	I MINE	RAL OWNER(s)	
		ie L. Perry a/k/a Diane Lyr	
	Address:	5554 Softwind Ave. NW	
	North Canton,		
	*please attacl	additional forms if ne	cessary
§ 22-6A-10(a), notice is her as follows:		ıde & Longitude:	operator is planning entry to conduct 39.792781, -80.608056
	Watershed:	ccess.	Grapevine Road CR 25/31
	Generally use	farm name	Upper Fish Creek Charles Jamison
ary, at the WV Department 6-0450). Copies of such do isiting			

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 Preedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office of Oil and Gas

OCT 23 2018

WV Department of Environmental Protection

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

Date		e: <u>5/17/2018</u>	Date of Plan	ned E	ntry: 5/24/2018		02/08/201			
Deli	very meth	od pursuant	to West Virginia C	ode § 2	2-6A-10a					
	PERSON		REGISTERED MAIL		METHOD OF DEL RECEIPT OR SIGN					
on to but n bene owne and s Secre enab	o the surfa- no more the eath such the er of mine Sediment etary, whi- le the surf	ce tract to cor an forty-five ract that has f rals underlyin Control Manu ch statement: ace owner to	aduct any plat surveys days prior to such entiled a declaration puring such tract in the colar and the statutes and shall include contact obtain copies from the	s require try to: (suant to unty tax d rules informa	ed pursuant to this ar 1) The surface owner section thirty-six, and corects. The notice related to oil and gas tion, including the ac	ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pr	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			
Noti	ce is here	by provided	to:							
	☐ SURFACE OWNER(s)				☐ COA	LOWNER OR LE	SSEE			
Name:			Name:	Name:						
Address:			Address:	Address:						
Nam	ie:				-	V				
Add	ress:					MINERAL OWNER(s)				
						ilyn Troyer a/k/a Marilyn F	Hamel			
A dd	16:			-		2430 Meadows Ave. NW				
71,00	1033.			3	*please attac	h additional forms if no	cessary			
Purs	uant to W		Code § 22-6A-10(a), r land as follows:			e undersigned well	l operator is planning entry to conduct			
Cou	nty:	Marshall			Public Road A		Grapevine Road CR 25/31			
Dist		Liberty			Watershed:		Upper Fish Creek			
Qua	drangle:	Cameron			Generally use	d farm name:	Charles Jamison			
		ed from the S	ecretary, at the WV I	Departm	ent of Environmenta documents or addit	ll Protection headqı ional information r	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be			
Cha	rleston, W		by visiting <u>www.der</u>	.wv.go	v/oil-and-gas/pages/	default.aspx.				
Cha obta	rleston, W ined from	the Secretary	by visiting www.der	o.wv.go	v/oil-and-gas/pages/o	default.aspx.				
Char obta	rleston, W ined from	the Secretary reby given b	by visiting <u>www.der</u> by:	o.wv.go	v/oil-and-gas/pages/o Address:	PO BOX 1300				
Char obta Not Wel	rleston, W ined from ice is her	the Secretary reby given b	by visiting <u>www.de</u> py: ction company, llc	o.wv.go			3			

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.

RECEIVED Office of Oil and Gas

OCT 2 3 2018

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

Notice Time	e Requirement	: Notice shall be prov	ided at least SEVEN (7) d	ays but no more tha	an FORTY-FIVE (45) days prior to			
	ice: 5/17/2018	Date of Plan	ned Entry: 5/24/2018		02/08/2019			
Delivery me	ethod pursuan	t to West Virginia C	ode § 22-6A-10a					
□ PERSO SERVI		REGISTERED MAIL		LIVERY THAT RI				
but no more beneath such owner of mi and Sedimer Secretary, wenable the su	than forty-five a tract that has increase underlying the Control Manuhich statement urface owner to	days prior to such entified a declaration puring such tract in the coual and the statutes an shall include contact obtain copies from the	s required pursuant to this ry to: (1) The surface own suant to section thirty-six, unty tax records. The noti d rules related to oil and g information, including the	article. Such notice er of such tract; (2) article six, chapter to ce shall include a st as exploration and r	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 attement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to			
_	reby provided							
	CE OWNER(s			AL OWNER OR LE				
Name:		16	Name: _	Name:				
Address: _			_ Address:					
Name:			-					
Address:			III MIN	ERAL OWNER(s)				
			Nama: K		Haren			
Name:			Addraga	6300 Heffner Rd	1121011			
Address:			_ Tipp City, Of	45371				
			*please atta	ich additional forms if no	ecessary			
Pursuant to '	West Virginia	Code § 22-6A-10(a), n land as follows:	Approx. Lat	itude & Longitude:	l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31			
District:	Liberty		Watershed:	1100035.	Upper Fish Creek			
Quadrangle:	Cameron		Generally us	ed farm name:	Charles Jamison			
Charleston, obtained from	WV 25304 (30 in the Secretary given b	ecretary, at the WV D 4-926-0450). Copies by visiting <u>www.dep</u>	epartment of Environment	tal Protection headq tional information radefault.aspx.	il and gas exploration and production warters, located at 601 57 th Street, SE, related to horizontal drilling may be			
Email:	-	ewa com as brittana / C	Popularita.	JANE LEW, WV 26378	3			
	dee_southall@	swn.com or brittany_woody@s	wn.com Facsimile:	304-884-1690				

Oil and Gas Privacy Notice:

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

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

Notice Tir	me Requirement:	Notice shall be provi	ded at leas	t SEVEN (7) da	ys but no more tha	n FORTY-FIVE (4	5) days prior to
44447	otice; 5/17/2018	Date of Plan					02/08/2019
Delivery n	nethod pursuant	to West Virginia Co	de § 22-6A	1-10a			02/00/2010
☐ PERS	SONAL	REGISTERED	□ мв	THOD OF DEL	JVERY THAT RE	OUIRES A	¥.
SERV	ЛCE	MAIL			NATURE CONFIR		
but no mor beneath su owner of n and Sedim Secretary, enable the	re than forty-five of the chart that has fininerals underlying ent Control Manu which statement s surface owner to o	ode § 22-6A-10(a), Product any plat surveys lays prior to such entraled a declaration pursing such tract in the could all and the statutes and hall include contact in obtain copies from the	required porty to: (1) The uant to second to tax recond trules related to the recondition.	arsuant to this and surface owner tion thirty-six, a cords. The notice to oil and gas, including the a	ticle. Such notice s r of such tract; (2) to rticle six, chapter to e shall include a sta s exploration and p	shall be provided at less only owner or less wenty-two of this contement that copies of the coluction may be obtained.	least seven days see of coal seams de; and (3) any of the state Erosion
Notice is hereby provided to:					<u> </u>		
☐ SURFACE OWNER(s)		☐ COA					
Name:		Name:					
Address:			Name:				
Name:							-
Address: _				III MINE	ERAL OWNER(s)		
					dley Paul Hamel		
Address:				Address: Murrieta, CA 9	25100 Vista Murietta Rd A	ot 43	_
				And the second s	h additional forms if ne	cessarv	-
Pursuant to	hereby given: b West Virginia C ey on the tract of I West Virginia	ode § 22-6A-10(a), no and as follows:			e undersigned wellude & Longitude:	operator is planning	g entry to conduct
County:	Marshall			Public Road	Access:	Grapevine Road CR 25/31	
District:				Watershed:		Upper Fish Creek	
Quadrangl	e: Cameron			Generally use	d farm name:	Charles Jamison	
may be obtoined the contraction of the contraction	tained from the Se a, WV 25304 (304	and Sediment Control ecretary, at the WV D 4-926-0450). Copies by visiting <u>www.dep.</u>	epartment of such doc	of Environments cuments or addit	d Protection headq ional information r	uarters, located at 60	1 57th Street, SE,
Notice is	hereby given by	y:				×.	
Well Oper	ator: SWN PRODUC	TION COMPANY, LLC		Address:	PO BOX 1300		
Telephone	304-884-1610				JANE LEW, WV 26378	K	
Email:	_dee_southall@s	swn.com or britteny_woody@s	wn.com	Facsimile:	304-884-1690		

Oil and Gas Privacy Notice:

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

RECEIVED
Office of Oil and Gas

OCT 2 3 2018

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

		Requirement: N	lotice shall be prov	ided at	least SEVEN (7) da	ys but no more th	an FORTY-FIVE (45) days prior to		
entry Date		e: 5/17/2018	Date of Plan	nned Er	itry: 5/24/2018		02/08	/2019	
Deli	very meth	od pursuant to	West Virginia C	ode § 22	2-6A-10a				
П	PERSON	IAI.	REGISTERED	П	METHOD OF DEI	IVERY THAT R	FOLURES A		
	SERVICE		MAIL		RECEIPT OR SIGN				
on to but n bene owne and S Secre enab	o the surfa no more the eath such the er of mine Sediment etary, while the surface	ce tract to condo an forty-five da ract that has file rals underlying Control Manual ch statement sho cace owner to ob	nct any plat survey, ys prior to such en d a declaration pur such tract in the co and the statutes ar all include contact tain copies from the	s require try to: () suant to ounty tax id rules informa	ed pursuant to this a 1) The surface owne section thirty-six, a c records. The notic related to oil and ga tion, including the a	rticle. Such notice or of such tract; (2 rticle six, chapter e shall include a s s exploration and	or 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 bage on the Secretary's web site, to		
Noti	ce is here	by provided to	i e						
☐ SURFACE OWNER(s)			☐ COA	☐ COAL OWNER OR LESSEE					
Name:			Name:	Name:					
Add	ress:			_	Address:				
Nam	ıe:			-	-				
Add	ress:	100		_	MIN.	ERAL OWNER(s)		
					Name: No	rma Jean Hamel			
Nam	16:			-		24583 Calle Magdalena			
Aud				-	Murrieta, CA	ph additional forms if	ecessary		
Purs	uant to W	reby given: est Virginia Coon on the tract of lan West Virginia	de § 22-6A-10(a), 1 nd as follows:	notice is	hereby given that the	ne undersigned wo	Il operator is planning entry to conduct		
Com						tude & Longitude	39.792781, -80.608056 Grapevine Road CR 25/31	-10	
Dist	7.7	11.000	anning.			Access.	Upper Fish Creek	-)-	
Qua	drangle:	Cameron			Generally use	ed farm name:	Charles Jamison	-	
Char obta	tleston, Wined from	ed from the Sec V 25304 (304-) the Secretary by reby given by:	retary, at the WV I 926-0450). Copies v visiting <u>www.de</u> r	Departm of such	ent of Environment	al Protection head tional information	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be		
	phone:	304-884-1610				JANE LEW, WV 263	8		
Ema	il:	dee_southall@sw	n.com or brittany_woody@	swn.com	Facsimile:	304-884-1690			

Oil and Gas Privacy Notice:

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

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

Date of Notic	e: 5/17/2018 Date of Plan	ined Entry: 5/24/2018		02/08/20			
Delivery metl	nod pursuant to West Virginia Co	ode § 22-6A-10a					
PERSON SERVICE			ETHOD OF DELIVERY THAT REQUIRES A ECEIPT OR SIGNATURE CONFIRMATION				
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, which enable the sur-	ce tract to conduct any plat surveys an forty-five days prior to such ent ract that has filed a declaration pur- rals underlying such tract in the co Control Manual and the statutes an	s required pursuant to this are try 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	ticle. Such notice of such tract; (2) rticle six, chapter shall include a s exploration and	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 сол	L OWNER OR L	EGGEE			
	Activities and the second of t						
Address:		Address:	Name:				
				The same of the sa			
Address:		■ MINI	■ MINERAL OWNER(s)				
		Name: Gar	Name: Gary Hosking				
Name:		Address:	Address: 847 Basswood Ave				
Address:	- muni	Canal Fulton,	Canal Fulton, OH 44614 *please attach additional forms if necessary				
Notice is her Pursuant to W a plat survey o		notice is hereby given that th	e undersigned we	ell operator is planning entry to conduct			
State:	West Virginia		ude & Longitude:	39,792781, -80,608056			
County:	Marshall		Access:	Grapevine Road CR 25/31			
District:	Liberty			Upper Fish Creek			
Quadrangle:	Carneron	Generally use	d farm name:	Charles Jamison			
may be obtain Charleston, W obtained from Notice is he r	ed from the Secretary, at the WV IV 25304 (304-926-0450). Copies the Secretary by visiting www.dep <a hr<="" td=""><td>Department of Environmenta of such documents or addit o.wv.gov/oil-and-gas/pages/</td><td>Il Protection head- ional information default.aspx.</td><td>oil and gas exploration and production quarters, located at 601 57th Street, SE, related to horizontal drilling may be</td>	Department of Environmenta of such documents or addit o.wv.gov/oil-and-gas/pages/	Il Protection head- ional information default.aspx.	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be			
Well Operator	A To the Art and	Address:	PO BOX 1300				
Telephone:	304-884-1610		JANE LEW, WV 2637	78			
Email:	dee_southall@swn.com or brittany_woody@	swn.com Facsimile:	304-884-1690				
The Office of	Privacy Notice: Oil and Gas processes your person personal information may be discl	al information, such as nam osed to other State agencie	e, address and teles s or third parties	ephone number, as part of our regulatory 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

Date of Notice: 5/17/2018	02/08/2019
PERSONAL 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 on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at lead 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 beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obta Secretary, which statement shall include contact information, including the address for a web page on the Secretary's enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) SURFACE OWNER(s) Name: Address: MINERAL OWNER(s) Name: Address: MINERAL OWNER(s) Name: Sharon Sue Tuersley Address: Address: Address: Please attach additional forms if necessary	
Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at lead to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at lead to no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtan Secretary, which statement shall include contact information, including the address for a web page on the Secretary's enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) SURFACE OWNER(s) Mame: Address: Address: MINERAL OWNER(s) Name: Address: MINERAL OWNER(s) Name: Address: 3250 Sillwater Ave NW Canton, OH 44708 *please attach additional forms if necessary	
Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least un on more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtasecretary, which statement shall include contact information, including the address for a web page on the Secretary's enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) SURFACE OWNER(s) Mame: Address: Address: MINERAL OWNER(s) Name: Address: Address:	
on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at lea 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 beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obta Secretary, which statement shall include contact information, including the address for a web page on the Secretary's enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: SURFACE OWNER(s) Name: Address: Name: Address: MINERAL OWNER(s) Name: Sharon Sue Tuersley Address:	
SURFACE OWNER(s) Name: Address: Name: Address: MINERAL OWNER(s) Name: Sharon Sue Tuersley Address: Address: Address: Address: Address: Searon, OH 44708 *please attach additional forms if necessary	east seven days of coal seams le; and (3) any The state Erosion ained from the
Name:	
Address: Name: Address: MINERAL OWNER(s) Name: Sharon Sue Tuersley Address: 3250 Stillwater Ave NW Address: Canton, OH 44708 *please attach additional forms if necessary	
Name: Address: MINERAL OWNER(s) Name: Sharon Sue Tuersley Address: 3250 Stillwater Ave NW Canton, OH 44708 *please attach additional forms if necessary	
Address: Name: Sharon Sue Tuersley Address: 3250 Stillwater Ave NW Canton, OH 44708 *please attach additional forms if necessary	
Name: Sharon Sue Tuersley Address: 3250 Still Vater Ave NW Address: Ganton, OH 44708 *please attach additional forms if necessary	
Address: Canton, OH 44708 *please attach additional forms if necessary	
*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 a plat survey on the tract of land as follows: State: Approx. Latitude & Longitude: 39.792781 -80.608056	entry to conduct
State: West Virginia Approx. Latitude & Longitude: 39.792781, -80.608056 County: Marshall Public Road Access: Grapevine Road CR 25/31	
District: Liberty Watershed: Upper Fish Creek	
Quadrangle: Cameron Generally used farm name: Charles Jamison	
Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal dripolation 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: PO BOX 1300 JANE LEW, WV 26378	57th Street, SE.
Email: dee_southall@swn.com or brittany_woody@swn.com Facsimile: 304-884-1690	

Oil and Gas Privacy Notice:

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

RECEIVED Office of Oil and Gas

OCT 2 3 2018

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 SEVEN (7) da	ys but no more tha	in FORTY-FIVE (45)	days prior to		
	ce: 5/17/2018	Date of Pla	nned E	ntry: 5/24/2018			02/08/2019		
Delivery met	hod pursuant	to West Virginia C	ode § 2	2-6A-10a					
☐ PERSO	NAL I	REGISTERED		METHOD OF DEL	IVERY THAT RE	EOUIRES A			
SERVIC	E	MAIL		RECEIPT OR SIGN					
but no more the beneath such owner of mine and Sediment Secretary, whenable the sur	nce tract to con- than forty-five de tract that has fiverals underlying Control Manuatich statement si face owner to con-	duct any plat surveys lays prior to such em led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the	s require try to: (suant to unty tax id rules informa	ed pursuant to this and the surface owner of section thirty-six, as a records. The notice related to oil and gastion, including the a	ticle. Such notice of such tract; (2) rticle six, chapter to shall include a stress exploration and process.	r shall provide notice of shall be provided at leas to any owner or lessee twenty-two of this code atement that copies of to production may be obtainage on the Secretary's	st seven days of coal seams ; and (3) any the state Erosion ined from the		
	eby provided t								
☐ SURFACE OWNER(s)			☐ COA	☐ COAL OWNER OR LESSEE					
Name:			-	Name:	Name:				
Address:			Address:	Address:					
Name:				1					
Address:				■ MINE	ERAL OWNER(s)				
				Name: Bry	The second secon				
Name:				Address:					
Address:			_	Akron, OH 443					
			2	*please attac	h additional forms if ne	ecessary			
Notice is her Pursuant to W a plat survey of State: County:	est Virginia Co on the tract of la West Virginia	and as follows:		Approx. Latit	ude & Longitude:	l operator is planning e	ntry to conduct		
District:				_ Watershed:	Access:	Grapevine Road CR 25/31			
	Cameron			Generally use	d farm name:	Upper Fish Creek Charles Jamison			
Charleston, Wobtained from	reby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u>	Departm of such	ent of Environmenta documents or addit	l Protection headq ional information r	il and gas exploration a uarters, located at 601 de related to horizontal dri	57th Street, SE.		
Well Operator									
Telephone: Email:	304-884-1610	wn.com or brittany_woody@		Facsimile:	JANE LEW, WV 26378	1			

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.

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

STATE OF WEST VIRGINIA

Date of Notic	ce: 5/17/2018	Date of Plan	ned Entry: 5/24/2018	K			02/08/2019		
Delivery met	hod pursuant to	West Virginia Co	de § 22-6A-10a						
☐ PERSO	NAT.	REGISTERED	☐ METHOD	זםת שר	NEDV THAT DE	COLUDER			
SERVIC		MAIL		ETHOD OF DELIVERY THAT REQUIRES A CEIPT OR SIGNATURE CONFIRMATION					
but no more the beneath such owner of min and Sediment Secretary, who	ace tract to condute that forty-five day tract that has filed erals underlying so Control Manual ich statement sha	ect any plat surveys ys prior to such enta I a declaration purs such tract in the cou and the statutes and	required pursuant to y to: (1) The surfact uant to section thirt unty tax records. The I rules related to oil	o this ar e owner y-six, ar ne notice and gas	ticle. Such notice so of such tract; (2) title six, chapter to shall include a state exploration and po-	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	seven days f coal seams and (3) any e state Erosion ed from the		
Notice is her	eby provided to:								
☐ SURFACE OWNER(s)				COAL	OWNER OR LE	SSEE			
Name:			Na						
Address:				dress:					
Name:					16-04				
Address:			THE STATE OF THE S	MINE	RAL OWNER(s)				
Name:			ΔA	Name: Joyce A. Wagner \ Address: 8317 Chinaberry Pl.					
Address:			Hub	Huber Heights, OH 45424					
-			*ple	ease attach	additional forms if ne	cessary			
Notice is he Pursuant to W a plat survey of State: County:	est Virginia Codon the tract of lan West Virginia	e § 22-6A-10(a), no d as follows:	Appro		ide & Longitude:	operator is planning end 39.792781, -80.608056 Grapevine Road CR 25/31	ry to conduct		
District:	Liberty				.00035.	Upper Fish Creek			
Quadrangle:	Cameron		Genera		I farm name:	Charles Jamison			
may be obtain Charleston, W obtained from	reby given by: SWN PRODUCTIO 304-884-1610	etary, at the WV Do 26-0450). Copies of visiting <u>www.dep.</u>	epartment of Environt such documents of such documents of wv.gov/oil-and-gas.	nmental or additi	Protection headquest information refault.aspx. PO BOX 1300 JANE LEW, WV 26378	l and gas exploration an narters, located at 601 57 elated to horizontal drilli	th Ctroot CE		
	dee_southall@swn.	com or onnany_woody@si	vn.com Pacs	umite:	304-884-1690				
Oil and Gas	Privacy Notice	e: esses vour persona	l information such	ac nama	address and tales	shone number as part of	our regulators		

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

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

	ice: 5/17/201	Date of Plan	ned Entry: 5/24/2018			02/08/20		
Delivery me	thod purs	suant to West Virginia Co	ode § 22-6A-10a					
] PERSO	ONAL	REGISTERED	☐ METHOD C	F DELI	VERY THAT RE	EOUIRES A		
SERVI		MAIL		CEIPT OR SIGNATURE CONFIRMATION				
n to the sur ut no more eneath such wner of mir nd Sedimer ecretary, w	face tract than forty- tract that nerals under the Control I hich stater	to conduct any plat surveys five days prior to such ent has filed a declaration pur erlying such tract in the co Manual and the statutes an	required pursuant to ry to: (1) The surface suant to section thirty unty tax records. The d rules related to oil a nformation, includin	o this art e owner y-six, ar e notice and gas	icle. Such notice sof such tract; (2) ticle six, chapter the shall include a structure and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the tage on the Secretary's web site, to		
otice is he	reby prov	ided to:						
☐ SURFACE OWNER(s)				☐ COAL OWNER OR LESSEE				
Name:			Name:Address:					
Vame:								
ddress:		alle		MINE	RAL OWNER(s)			
			Nar	me: Linda	L. Klag f/k/a Linda L. Ri	ce		
Jame:			Nar Add	dress: 2	a L. Klag f/k/a Linda L. Ri 415 Coker Ave	ce		
Jame:			Nar Add	dress: 2 xville, TN 3	415 Coker Ave			
ame:ddress:	ereby giv West Virgi on the tra West Virgir	ren: nia Code § 22-6A-10(a), n ct of land as follows:	Nar Ado Knoo *ple otice is hereby given Approx	dress: 2 xville, TN 3 case attach that the x. Latitu	415 Coker Ave 7917 additional forms if no c undersigned wel de & Longitude:	l operator is planning entry to conduct		
Notice is hoursuant to plat survey tate:	ereby giv West Virgi on the tra West Virgir Marshall	ren: nia Code § 22-6A-10(a), n ct of land as follows:	Nar Ado Knos *ple otice is hereby given Approx Public	dress: 2 xville, TN 3: xase attach a that the x. Latitu Road A	415 Coker Ave 7917 additional forms if no c undersigned wel de & Longitude:	l operator is planning entry to conduct 39.792781,-80.608056 Grapevine Road CR 25/31		
Name:	ereby giv West Virgi on the tra West Virgin Marshall Liberty	en: nia Code § 22-6A-10(a), n ct of land as follows:	Nar Ado Knoo *ple otice is hereby given Approx Public Waters	dress: 2 xville, TN 3: ase attach that the x. Latitu Road A shed:	415 Coker Ave 7917 additional forms if no c undersigned wel de & Longitude:	l operator is planning entry to conduct		
Notice is here versuant to be plat survey state: County: District: Quadrangle: Copies of the play be obtained.	ereby giv West Virgi on the tra West Virgin Marshall Liberty Cameron e state Ero ined from the WV 25304 m the Secre	ren: inia Code § 22-6A-10(a), not of land as follows: sion and Sediment Control the Secretary, at the WV D 4 (304-926-0450). Copies etary by visiting www.dep	Nar Ado Know *ple otice is hereby given Approx Public Waters Genera Manual and the state epartment of Enviror of such documents o .wv.gov/oil-and-gas/	dress: 2 xville, TN 3: case attach a that the x. Latitu Road A shed: ally usec utes and nmental or addition pages/d	additional forms if no additional forms if no additional forms if no aundersigned well de & Longitude: ccess: I farm name: rules related to o Protection headqual information related to o and aundersigned well aundersigned well aundersigned well and aundersigned well and aundersigned well and aundersigned well aunders	l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek		
Notice is hoursuant to plat survey tate: County: District: Duadrangle: Copies of the play be obtained from	ereby giv West Virgi on the tra West Virgin Marshall Liberty Cameron e state Ero ined from the WV 25304 m the Secre	ren: nia Code § 22-6A-10(a), not of land as follows: nia sion and Sediment Control the Secretary, at the WV D 4 (304-926-0450). Copies retary by visiting www.dep	Nar Ado Know *ple otice is hereby given Approx Public Waters Genera Manual and the state epartment of Enviror of such documents o	dress: 2 xville, TN 3: case attach a that the x. Latitu Road A shed: ally usec utes and nmental or addition pages/d	additional forms if no additional forms if no additional forms if no a undersigned well de & Longitude: ccess: I farm name: rules related to o Protection headqual information refault.aspx.	l operator is planning entry to conduct 39.792781,-80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be		

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

RECEIVED
Office of the Cas

OCT 23 J.3

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

	cc	Date of Plan	nned Entry: 5/24/2018	4	02/08	3/2		
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a					
□ PERSO SERVIO		REGISTERED MAIL	☐ METHOD OF DELIV RECEIPT OR SIGNA					
but no more to beneath such owner of min and Sediment Secretary, whenable the sur	tract to cor than forty-five tract that has f terals underlying Control Manu- tich statement states trace owner to	days prior to such entitled a declaration puring such tract in the contact and the statutes and the contact include contact obtain copies from the	s required pursuant to this articity to: (1) The surface owner of suant to section thirty-six, articularly tax records. The notice slid rules related to oil and gas exinformation, including the address.	e. Such notice s such tract; (2) le six, chapter t all include a sta	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			
	eby provided					İ		
SURFACE OWNER(s)				WNER OR LE	SSEE			
Name:Address:			Name:	Name:Address:				
Vame:								
Address:			■ MINERA	L OWNER(s)				
Y			Name: Eric Tho	1				
lame:			Address: 288	Crittenden Way, Apt 6				
address:			Rochester, NY 146	23				
			*please attach ad	litional forms if ne	cessary			
Notice is he	reby given:	ode 8 22-6A-10(a) n	otice is hereby given that the w	daraianad wall	namedan in alamina and a second			
Votice is he	reby given: Vest Virginia C	ode § 22-6A-10(a), n	otice is hereby given that the u	ndersigned well	operator is planning entry to conduct			
Notice is he ursuant to W	reby given: Vest Virginia C	ode § 22-6A-10(a), n land as follows:						
Notice is he tursuant to W plat survey tate:	reby given: Vest Virginia C on the tract of Mest Virginia	land as follows:	Approx. Latitude	& Longitude:	39.792781, -80.608056			
Notice is he Pursuant to War plat survey of state:	reby given: Jest Virginia C on the tract of J West Virginia Marshall	land as follows:	Approx. Latitude Public Road Acc	& Longitude:	39.792781, -80.608056 Grapevine Road CR 25/31			
Notice is he Pursuant to Warsuant to Warsuant survey of State: County: District:	reby given: Jest Virginia C on the tract of J West Virginia Marshall	land as follows:	Approx. Latitude Public Road Acc	& Longitude:	39.792781, -80.608056			
Notice is he Pursuant to W I plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, W Ibtained from	reby given: Vest Virginia Con the tract of tract of the tract of the tract of tract of the tract of tract of the tract of trac	and Sediment Control ecretary, at the WV D 4-926-0450). Copies by visiting www.dep	Approx. Latitude Public Road Acc Watershed: Generally used fa	& Longitude: ess: rm name: les related to oi otection headqual information re	39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek			
Notice is he cursuant to W plat survey state: County: District: Quadrangle: Copies of the pay be obtain Charleston, W btained from	reby given: Vest Virginia Con the tract of Mest Virginia Marshall Liberty Cameron state Erosion and from the Selvy 25304 (304) the Secretary	and as follows: and Sediment Control ecretary, at the WV D 1-926-0450). Copies by visiting www.dep	Approx. Latitude Public Road Acc Watershed: Generally used fa Manual and the statutes and ru repartment of Environmental Pr of such documents or additionals. wv.gov/oil-and-gas/pages/defa	& Longitude: ess: rm name: les related to oi otection headqual information re ult.aspx.	39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison I and gas exploration and production parters, located at 601, 57th Street, SE	1111		
Notice is he Pursuant to W I plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, W btained from	reby given: Vest Virginia Con the tract of Mest Virginia Marshall Liberty Cameron state Erosion and from the Selvy 25304 (304) the Secretary	and Sediment Control ecretary, at the WV D 4-926-0450). Copies by visiting www.dep	Approx. Latitude Public Road Acc Watershed: Generally used fa Manual and the statutes and ru epartment of Environmental Pr of such documents or additional actions and rue. Www.gov/oil-and-gas/pages/defa	& Longitude: ess: rm name: les related to oi otection headqual information re	39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison I and gas exploration and production parters, located at 601, 57th Street, SE			

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.

4705102127 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

		equirement:	Notice shall be prov	ided at l	east SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to			
Date		5/17/2018	Date of Plan	ned En	try: 5/24/2018		02/08/2019			
Deli	very meth	od pursuant t	to West Virginia Co	ode § 22	-6A-10a					
	PERSON.	AL 🔳	REGISTERED		METHOD OF DEL	IVERY THAT RE	EOUIRES A			
	SERVICE		MAIL		RECEIPT OR SIGN					
on to but r bene own and Secr enab	o the surface no more the eath such treer of miner Sediment (etary, which le the surface	te tract to cond an forty-five d act that has fil als underlying Control Manua th statement sh ace owner to o	duct any plat surveys ays prior to such ent ed a declaration pure g such tract in the co- al and the statutes an hall include contact in btain copies from the	require ry to: (1 suant to unty tax d rules r informat	d pursuant to this and the surface owner section thirty-six, a records. The notice elated to oil and gastion, including the a	rticle. Such notice of such tract; (2) rticle six, chapter the shall include a state of exploration and process.	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 Erosion production may be obtained from the age on the Secretary's web site, to			
-		by provided to	0:		-					
☐ SURFACE OWNER(s)			☐ COA	L OWNER OR LE	ESSEE					
Nam	e:			4	Name:					
Add	ress:			-0	Address:	Address:				
Nam	e:			-	1					
Add	ress:			-	III MINI	ERAL OWNER(s)				
Nam	e:				Address:	Elaine Dunn 2422 Oxford Down Center	1			
Add	ress:					Sun City Center, FL 33573				
_				-	*please attac	h additional forms if ne	ecessary			
Purs	uant to We t survey or	eby given: est Virginia Co n the tract of la West Virginia	ode § 22-6A-10(a), n and as follows:	otice is l		e undersigned wel	l operator is planning entry to conduct			
Cour		Marshall					Grapevine Road CR 25/31			
Dist		Liberty			Watershed:		Upper Fish Creek			
Qua	drangle:	Cameron			Generally use	d farm name:	Charles Jamison			
may Char	leston, WY	d from the Sec / 25304 (304-	cretary, at the WV D	epartme of such	nt of Environmenta documents or addit	l Protection headq	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be			
		eby given by			***					
Well Operator: SWN PRODUCTION COMPANY, LLC		ION COMPANY, LLC		Address:	PO BOX 1300					
Tele	phone:	204 004 4040								
Tele; Ema	phone: il:	304-884-1610	vn.com or brittany_woody@s	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Facsimile:	JANE LEW, WV 26378 304-884-1690	3			

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

RECEIVED Office of Oil and Gas

OCT 2 3 2018

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time entry	Requirement:	Notice shall be prove	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to	
	ce: 5/17/2018	Date of Plan	ned E	ntry: 5/24/2018		02/08/2019	
Delivery me	thod pursuant	to West Virginia Co	de § 2	2-6A-10a			
☐ PERSO	NAL =	REGISTERED		METHOD OF DEL	IVERY THAT RI	EQUIRES A	
SERVIC	CE	MAIL		RECEIPT OR SIGN			
on to the surf but 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 t Control Manu- tich statement si- rface owner to con-	duct any plat surveys lays prior to such entralled a declaration purs g such fract in the could and the statutes and hall include contact in obtain copies from the	require ry to: () suant to inty tax d rules:	ed pursuant to this are The surface owner section thirty-six, are records. The notice related to oil and gas tion, including the are	ticle. Such notice r of such tract; (2) rticle six, chapter t e shall include a st s exploration and r	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to	
Notice is her	eby provided t	0:					
☐ SURFAC	CE OWNER(s)			☐ COAL	L OWNER OR LE	SSEE	
Name:							
Address:			-	Address:			
Name:		-		-			
Address:				III MINE	ERAL OWNER(s)		
				Name: Name			
Address:					15372 Marshallville St. NV	V	
Addiess				Canal Fulton, (OH 44614 h additional forms if ne	22222	
Notice is he Pursuant to W a plat survey State:	Vest Virginia Co on the tract of la West Virginia	and as follows:		hereby given that th		l operator is planning entry to conduct	
County:	Marshall			Public Road A		Grapevine Road CR 25/31	
District:	Liberty			Watershed:		Upper Fish Creek	
Quadrangle:	Cameron			Generally use	Generally used farm name: Charles Jamison		
Charleston, W	VV 25304 (304)	cretary, at the WVD	epartme of such	ent of Environmenta documents or additi	I Protection headq	il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be	
Notice is he	reby given by	:					
Well Operator		TON COMPANY, LLC		Address:	PO BOX 1300		
Telephone:	304-884-1610				JANE LEW, WV 26378		
Email:	dee_southall@sv	vn.com or brittany_woody@s	wn.com	Facsimile:	304-884-1690		
Oil and Gas	Privacy Noti	ce:					

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

STATE OF WEST VIRGINIA 4705102127 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Tentry	ime Requi	rement:	Notice shall be prov	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to
	Notice: 5/17	/2018	Date of Plan	nned E	ntry: 5/24/2018		02/08/20
Delivery	method p	ursuant	to West Virginia C	ode § 2	2-6A-10a		
□ PE	RSONAL	101	REGISTERED		METHOD OF DEL	IVERY THAT RE	FOLURES A
SEI	RVICE		MAIL		RECEIPT OR SIGN		
on to the but no m beneath owner of and Sedi Secretary enable th	s surface tra tore than for such tract the f minerals u ment Contr y, which sta ne surface o	ct to condity-five do not has fil nderlying ol Manua tement sl	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	s requir try to: (suant to unty ta d rules informa	ed pursuant to this and the surface owner of section thirty-six, as expected. The notice related to oil and gastation, including the a	ticle. Such notice of such tract; (2) rticle six, chapter to shall include a state of exploration and possible sexploration and possible sexploratio	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 Erosion production may be obtained from the age on the Secretary's web site, to
	s hereby pr						
	RFACE OW					LOWNER OR LE	
Name: _ Address:				4	Name: Address:		
Name:					THE AMOUNT	TAL OND THE	
Address.				-	Name: Phy	ERAL OWNER(s)	
Name:					Address:	879 Meadow View, NW	
Address:					Canal Fulton,	OH 44614	
				-	*please attac	h additional forms if ne	ecessary
Pursuant a plat sur State:	rvey on the West V	rginia Co tract of la Irginia	and as follows:		Approx. Latit	ude & Longitude:	l operator is planning entry to conduct 39.792781, -80.608056
County: District:	Marsha	ıll			_ Public Road A	Access:	Grapevine Road CR 25/31
Quadran	-	on			Watershed: Generally use	1.0	Upper Fish Creek
Quadran	gic. Canter	<i>,</i> , , , , , , , , , , , , , , , , , ,		_	Generally use	d farm name:	Charles Jamison
may be o	obtained fro on, WV 25	m the Se 304 (304	cretary, at the WV I -926-0450). Copies	Departm of such	ent of Environmenta	I Protection headq	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Notice i	is hereby	given by	<i>'</i> ;				
Well Op			TION COMPANY, LLC		Address:	PO BOX 1300	
Telephor	ne: 304	884-1610				JANE LEW, WV 26378	3
Email:	dee	southall@s	wn.com or brittany_woody@	swn.com	Facsimile:	304-884-1690	

Oil and Gas Privacy Notice:

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

STATE OF WEST VIRGINIA 7 0 5 1 0 2 1 2 7 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS 2 7 NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time entry	Requirement: No	otice shall be prov	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to
	ce: 5/17/2018	Date of Plan	ned E	ntry: 5/24/2018		02/08/2019
Delivery me	thod pursuant to	West Virginia Co	ode § 2	2-6A-10a		
☐ PERSO	NAL E R	EGISTERED		METHOD OF DEI	IVERY THAT RE	FOURES A
SERVIC	CE N	MAIL		RECEIPT OR SIGN		The state of the s
on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the sur-	ace tract to conduction forty-five day tract that has filed terals underlying standards to Control Manual anich statement shall reace owner to obte	ot any plat surveys s prior to such ent a declaration pursuch tract in the count and the statutes and I include contact i	require ry to: (suant to unty tax d rules nforma	ed pursuant to this a 1) The surface owne 2) section thirty-six, a 3x records. The notic 3x related to oil and ga 4tion, including the a	rticle. Such notice are of such tract; (2) rticle six, chapter to shall include a state of exploration and page 1	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 Erosion production may be obtained from the age on the Secretary's web site, to
_	eby provided to:			_		
	CE OWNER(s)				L OWNER OR LE	
Name:				Name:		
Address:				Address:		
Name:				7.00		
Address:				■ MIN	ERAL OWNER(s)	
				Name: Ga		
Name:					381 Jim Corbin Rd	
Address:				Franklin, NC		
			-	*please attac	h additional forms if ne	coessary
Notice is he Pursuant to V a plat survey State: County:		e § 22-6A-10(a), n d as follows:	otice is		ude & Longitude:	l operator is planning entry to conduct 39.792781,-80.608056 Grapevine Road CR 25/31
District:				Watershed:	100055.	Upper Fish Creek
Quadrangle:	Cameron				ed farm name:	Charles Jamison
may be obtain Charleston, V	ned from the Secre VV 25304 (304-9)	etary, at the WV D 26-0450). Copies	epartm of such	ent of Environment	al Protection headq tional information i	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Notice is he	ereby given by:					
Well Operato		N COMPANY LLC		Address:	PO BOX 1300	
Telephone:	304-884-1610			, 1001003.	JANE LEW, WV 26378	
Email:	-	com or brittany_woody@s	swn.com	Facsimile:	304-884-1690	
	7.3.7					
Oil and Ca	C Privage Nation					

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.

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

Date of Notic	ce: 5/17/2018	Date of Plan	ned Entry: 5/24/2018	02/08/2019
Delivery met	hod pursuant	to West Virginia C	de § 22-6A-10a	
☐ PERSO	NAL I	REGISTERED	☐ METHOD OF DELIVERY THAT R	FOURES A
SERVIC		MAIL	RECEIPT OR SIGNATURE CONFI	
on to the surf but 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 underlyin Control Manu- ich statement serface owner to	duct any plat surveys days prior to such en- iled a declaration pur- g such tract in the co- al and the statutes and that include contact obtain copies from the	rior to filing a permit application, the operato required pursuant to this article. Such notice ry to: (1) The surface owner of such tract; (2) suant to section thirty-six, article six, chapter unty tax records. The notice shall include a sid rules related to oil and gas exploration and purpose including the address for a web persecretary.	shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any tatement that copies of the state Erosion production may be obtained from the
	eby provided			
	CE OWNER(s)		☐ COAL OWNER OR LI	ESSEE
Name:			Name:Address:	
Address:			Address:	
Name:				
Address:			MINERAL OWNER(s)	
			Name: Jeffrey Todd Frombart	
Address:			Address: 1309 Center St	
Address			Moundsville, WV 26041 *please attach additional forms if n	
Notice is he Pursuant to Wa plat survey State:	est Virginia C	ode § 22-6A-10(a), r land as follows:	otice is hereby given that the undersigned we	
County:	Marshall		Approx. Latitude & Longitude: Public Road Access:	39.792781, -80.608056 Grapevine Road CR 25/31
District:	Liberty		Watershed:	Upper Fish Creek
Quadrangle:	Cameron		Generally used farm name:	Charles Jamison
may be obtain Charleston, V	and from the Se VV 25304 (304)	ecretary, at the WV I 4-926-0450). Copies	Manual and the statutes and rules related to department of Environmental Protection head of such documents or additional information wv.gov/oil-and-gas/pages/default.aspx.	nuarters, located at 601 57th Street, SF.
Notice is he	reby given by	v:		
Well Operato		TION COMPANY, LLC	Address: PO BOX 1300	
Telephone:	304-884-1610		JANE LEW, WV 2637	8

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.

WW-6A3 (1/12)

Operator Well No. Charles Jamison MSH

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 SEVEN (7) da	ays but no more that	n FORTY-FIVE (45) days prior to
	ce: 5/17/2018	Date of Plan	nned Er	itry: 5/24/2018		02/08/2019
Delivery me	thod pursuant	to West Virginia C	ode § 22	2-6A-10a		<u> </u>
☐ PERSO	NAL 🔳	REGISTERED		METHOD OF DEI	IVERY THAT RE	FOLURES A
SERVIC		MAIL		RECEIPT OR SIGN		
but no more to beneath such owner of min and Sediment Secretary, whenable the such	ace tract to con than forty-five of tract that has filerals underlying the Control Manualich statement surface owner to control to c	duct any plat surveys lays prior to such end led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the	require try to: (1 suant to unty tax d rules information	ed pursuant to this a) The surface owne section thirty-six, a records. The notic related to oil and ga tion, including the a	rticle. Such notice s or of such tract; (2) of article six, chapter to be shall include a standard s exploration and no	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
	eby provided t					
	CE OWNER(s)			☐ COA	L OWNER OR LE	SSEE
Name:			9	Name:		
riddiess				Address:		
Name:						
Address:					ERAL OWNER(s)	
				Name: Da	vld Shayne Fromhart	
Address:			3	Address:	10052 Bedford Rd	
				Spring Hill, HL	- 34608 th additional forms if ne	Cessary
Notice is he Pursuant to W a plat survey State: County:	Vest Virginia Co on the tract of l West Virginia	and as follows:		_ Approx. Latit	ude & Longitude:	operator is planning entry to conduct
District:	Marshall			_ Public Road	Access:	Grapevine Road CR 25/31
Quadrangle:	Cameron			_ Watershed:	1.0	Upper Fish Creek
Aaran arrigio.	Odinoidii		_	_ Generally use	ed farm name:	Charles Jamison
may be obtain Charleston, W obtained from	VV 25304 (304) the Se VV 25304 (304) the Secretary I	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	epartme of such	ent of Environments documents or addit	al Protection headquional information re	il and gas exploration and production parters, located at 601 57 th Street, SE, elated to horizontal drilling may be
Notice is he	reby given by					
Well Operato	-	TION COMPANY, LLC		Address:	PO BOX 1300	
Telephone:	304-884-1610				JANE LEW, WV 26378	4.
Email:	_dee_southall@st	wn.com or brittany_woody@s	wn.com	Facsimile:	304-884-1690	

Oil and Gas Privacy Notice:

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

RECEIVED Office of Oil and Gas

OCT 2 3 2018

STATE OF WEST VIRGINIA 47 0 5 1 0 2 1 2 7 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

entry Date of Notice: 5/17/2018 Date of Planned Entry: 5/24/2018 02/08/2019 Delivery method pursuant to West Virginia Code § 22-6A-10a ☐ PERSONAL REGISTERED ☐ METHOD OF DELIVERY THAT REQUIRES A SERVICE MAII. RECEIPT OR SIGNATURE CONFIRMATION Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary. Notice is hereby provided to: ☐ SURFACE OWNER(s) ☐ COAL OWNER OR LESSEE Name: Name: Address: Address: Name: Address: MINERAL OWNER(s) Name: Michael Cunningham Name: Address: 3 Hemlock Dr Address: Canton, MA 02021 *please attach additional forms if necessary Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: 39.792781, -80.608056 County: Marshall Public Road Access: Grapevine Road CR 25/31 District: Liberty Watershed: Upper Fish Creek Quadrangle: Cameron Generally used farm name: Charles Jamison 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: PO BOX 1300 Telephone: 304-884-1610 JANE LEW, WV 26378 Email: Facsimile: 304-884-1690 dee_southall@swn.com or brittany_woody@swn.com

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.

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) day	s but no more tha	in FORTY-FIVE (45) days prior to
entry	5/17/2019	Datasen	170 1 500	10010		02/08/20
Date of Notic	e. 3/1//2010	Date of Plan	nned Entry: 5/24	1/2018		S 333
Delivery met	iod pursuant	to West Virginia C	ode § 22-6A-10	a		+
☐ PERSON	IAL I	REGISTERED	П метно	OD OF DEL	IVERY THAT RE	EQUITORS A
SERVIC		MAIL			ATURE CONFIR	
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi	ce tract to cor an forty-five ract that has f rals underlyin Control Manu ch statement:	nduct any plat survey days prior to such en iled a declaration pur ng such tract in the co nal and the statutes an	is required pursuality to: (1) The sursuant to section bunty tax records and rules related to information, inc.	ant to this ar urface owner thirty-six, as The notice o oil and gas	ticle. Such notice of such tract; (2) ticle six, chapter t shall include a st 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 Erosion production may be obtained from the age on the Secretary's web site, to
Notice is here	by provided	to:				
☐ SURFAC	E OWNER(s')		☐ COAL	OWNER OR LE	RSSEE
Address:			5	Address:		
				The state of the		and the second s
Name:			-	III MONTO	PAT OTTOTTO	
Address			-		ERAL OWNER(s)	
Name:			-	Name: Gar	y Hosking V 347 Basswood Ave	
Address:				Canal Fulton,		
					n additional forms if no	ecessary
a plat survey o State:	est Virginia C on the tract of West Virginia	land as follows:	A	pprox. Latit	ude & Longitude:	-
County: District:	Marshall			ublic Road A	Access:	Grapevine Road CR 25/31
	Cameron		W	atershed:	A.C	Upper Fish Creek
Quadrangie.	Cameron			enerally use	d farm name:	Charles Jamison
may be obtain Charleston, W	ed from the S V 25304 (30 the Secretary	ecretary, at the WV I 4-926-0450). Copies by visiting <u>www.der</u>	Department of Er s of such docume	nvironmenta ents or addit	I Protection headquartion in	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Well Operator		CTION COMPANY, LLC		Address:	PO BOX 1300	
Telephone:	304-884-1610	The state of the s			JANE LEW, WV 26378	8
Email:		swn.com or brittany_woody@	Dswn.com	Facsimile:	304-884-1690	
		,				
Oil and Gas The Office of			nal information, s	such as nam	e. address and tele	ephone number, as part of our regulatory

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

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

Date of Notice	equirement: : 10/09/2018	Notice shall be provided Date I	d at least TEN (10) days prior to filing a	permit application.
Delivery meth	od pursuant (to West Virginia Code	§ 22-6A-16(b)	
☐ HAND		CERTIFIED MAIL		
DELIVER		RETURN RECEIPT R	EQUESTED	
receipt requeste drilling a horize of this subsection subsection may	ed or hand del ontal well: Properties on as of the da be waived in	ivery, give the surface of rovided, That notice give ate the notice was provide writing by the surface of	owner notice of its intent to enter upon the ven pursuant to subsection (a), section to ded to the surface owner: <i>Provided</i> , how	, an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
		to the SURFACE C		
Name: Charles an				
Address: 90 Libe Seville, OH 44273	rty St.	7	Address:	
	st Virginia Co			well operator has an intent to enter upon
Pursuant to We the surface own State: County: District: Quadrangle:	st Virginia Co		ce is hereby given that the undersigned horizontal well on the tract of land as for the control of the control	
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile number related to horiz	st Virginia Co ler's land for to West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Co ler and electro contal drilling	the purpose of drilling a E. Code § 22-6A-16(b), the conic mail address of the may be obtained from	horizontal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, address operator and the operator's authorize the Secretary, at the WV Department of	533,594.592 4,404,732.948 Grapevine Ridge Drive
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile number related to horiz	st Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Contain delectro contain drilling 17th Street, SE,	the purpose of drilling a	horizontal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, address operator and the operator's authorize the Secretary, at the WV Department of	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH RECEIVED Office of Oil and Gas OCT 2 3 2013 ress, telephone nymber and if available, ed representative roude in all partial armitation of Environmental Protection headquarters,
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile number related to horiz located at 601 5	st Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Contal drilling 17th Street, SE, eby given by	the purpose of drilling a Example 22-6A-16(b), the point mail address of the may be obtained from a charleston, WV 25304	horizontal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, address operator and the operator's authorize the Secretary, at the WV Department of	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH RECEIVED Office of Oil and Gas OCT 2 3 2013 ress, telephone number and if available, ed representative or other than 17946 million of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile number related to horiz located at 601 5 Notice is here	st Virginia Coter's land for the West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Coter and electro contal drilling 17th Street, SE, SWN Production of the Producti	the purpose of drilling a Example 22-6A-16(b), the point mail address of the may be obtained from a charleston, WV 25304	horizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addree operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH RECEIVED Office of Oil and Gas OCT 2 3 2013 ress, telephone number and if available, ed representative or other than 17946 million of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile numb related to horiz located at 601 5 Notice is here Well Operator:	st Virginia Coter's land for the West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Coter and electro contal drilling 17th Street, SE, SWN Production of the Producti	the purpose of drilling a horizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addrese operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH RECEIVED Office of Oil and Gas OCT 2 3 2013 ress, telephone number and in available, ed representative odditional representation of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth	
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile number related to horiz located at 601 5 Notice is here Well Operator: Address:	st Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Coner and electro contal drilling 17th Street, SE, Styn Production PO Box 1300, 1	the purpose of drilling a horizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addrese operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH RECEIVED Office of Oil and Gas OCT 2 3 2013 ress, telephone number and available, ed representative of the differential of Environmental Protection headquarters, ep. wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive	
Pursuant to We the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to We facsimile numb related to horiz located at 601 5 Notice is here Well Operator:	st Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run hall Include est Virginia Contal drilling 17th Street, SE, SWN Production PO Box 1300, 11 Jane Lew, WV 2	the purpose of drilling a Example 22-6A-16(b), the price mail address of the may be obtained from the charleston, WV 25304 En Company, LLC 79 Innovation Drive 6378	horizontal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, address authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de Authorized Representative: Address:	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH RECEIVED Office of Oil and Gas OCT 2 3 2013 ress, telephone nymber and if available, ed representative or distribution of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive Jane Lew, WV 26378

Oil and Gas Privacy Notice:

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

Operator Well No. <u>02/08/2019</u>

4705102127

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 I Date of Notic				TEN (10) days prior to filing a	application.
Delivery met	nod pursuant t	o West Virginia (Code § 22-6A-	16(b)	
☐ HAND		CERTIFIED MAI	ni		
DELIVE		RETURN RECEI		red	
receipt request drilling a horit of this subsect subsection ma	ted or hand deli zontal well: Pri ion as of the day y be waived in	very, give the surf covided, That notice te the notice was p writing by the surf	face owner not be given pursual provided to the face owner. The	ice of its intent to enter upon t ant to subsection (a), section to surface owner: <i>Provided</i> , how	, an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
		to the SURFAC	CE OWNER	(s):	
Name: Mitchell Z			_	Name:	
Address: 911 H			_	Address:	
Notice is her Pursuant to W	eby given: est Virginia Co	de § 22-6A-16(b).	, notice is here	by given that the undersigned	well operator has an intent to enter upon
Notice is her Pursuant to W the surface ow State: County:	eby given: est Virginia Coner's land for t West Virginia Marshall	de § 22-6A-16(b), ne purpose of drill	, notice is here ing a horizonta	ut well on the tract of land as for UTM NAD 83 Easting: Northing:	bllows: 533,594.592 4,404,732.948
Notice is her Pursuant to W the surface ow State: County: District;	est Virginia Coner's land for the West Virginia Marshall Liberty	de § 22-6A-16(b), ne purpose of drill	, notice is here ing a horizonta	ul well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access:	bllows: 533,594,592 4,404,732.948 Grapevine Ridge Drive
Notice is her Pursuant to W the surface ow State: County:	eby given: est Virginia Coner's land for t West Virginia Marshall	de § 22-6A-16(b), ne purpose of drill	, notice is here ing a horizonta	ut well on the tract of land as for UTM NAD 83 Easting: Northing:	bllows: 533,594.592 4,404,732.948
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include / est Virginia Contal drilling	the purpose of drill	b), this notice of the operator	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addor and the operator's authorizary, at the WV Department of	bllows: 533,594,592 4,404,732.948 Grapevine Ridge Drive
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include /est Virginia Cober and electron zontal drilling 57th Street, SE,	to purpose of drill dode § 22-6A-16(lonic mail address may be obtained f Charleston, WV	b), this notice of the operator	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addition and the operator's authorizatory, at the WV Department of 6-0450) or by visiting www.de	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include /est Virginia Conert Virginia Conert Virginia Conert Virginia Contal drilling S7th Street, SE, eby given by:	to purpose of drill dode § 22-6A-16(lonic mail address may be obtained f Charleston, WV	b), this notice of the operator	al well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addor and the operator's authorizatory, at the WV Department of 6-0450) or by visiting www.defauthorized Representative:	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include /est Virginia Contal drilling 57th Street, SE, eby given by: SWN Production	to purpose of drill dode § 22-6A-16(lonic mail address may be obtained f Charleston, WV	b), this notice of the operator	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addition and the operator's authorizatory, at the WV Department of 6-0450) or by visiting www.de	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator Address:	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include /est Virginia Contal drilling 57th Street, SE, eby given by: SWN Production	to purpose of drill. Sode § 22-6A-16(lonic mail address may be obtained for Charleston, WV 2016 Company, LLC	b), this notice of the operator	al well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addor and the operator's authorizatory, at the WV Department of 6-0450) or by visiting www.defauthorized Representative:	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator Address: Telephone:	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include /est Virginia Coner and electron and electron street, SE, eby given by: SWN Production PO Box 1300, 1	to purpose of drill. Sode § 22-6A-16(lonic mail address may be obtained for Charleston, WV 2016 Company, LLC	b), this notice of the operator	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addition and the operator's authorizatory, at the WV Department of 6-0450) or by visiting www.de Authorized Representative: Address: Telephone:	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive
Notice is her Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice: Pursuant to W facsimile num related to hori located at 601 Notice is her Well Operator Address:	reby given: est Virginia Coner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include / cst Virginia Cober and electrozontal drilling 57th Street, SE, eby given by: SWN Production PO Box 1300, 11 Jane Lew, WV 2	the purpose of drill. Sode § 22-6A-16(lonic mail address may be obtained for Charleston, WV 22 company, LLC To Innovation Drive	b), this notice of the operator	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: shall include the name, addition and the operator's authorizatory, at the WV Department of 6-0450) or by visiting www.de Authorized Representative: Address:	ollows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive Jane Lew, WV 26378

Oil and Gas Privacy Notice:

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

02/08/2019

4705102127 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.

Date of Noti		vided at least TEN (10) days prior to filing a pate Permit Application Filed:	рении аррисацоп.
Delivery me	thod pursuant to West Virginia C	ode § 22-6A-16(b)	
☐ HAND	■ CERTIFIED MAII		
DELIVI	ERY RETURN RECEIF	1 REQUESTED	
receipt reque drilling a hor of this subsec- subsection m	sted or hand delivery, give the surfarizontal well: <i>Provided</i> , That notice ction as of the date the notice was pray be waived in writing by the surfar	ten days prior to filing a permit application, and the cowner notice of its intent to enter upon the given pursuant to subsection (a), section ter rovided to the surface owner: <i>Provided, howe</i> are owner. The notice, if required, shall incluse mail address of the operator and the operator	e surface owner's land for the purpose of n of this article satisfies the requirements ever, That the notice requirements of this ade the name, address, telephone number,
Notice is he	ereby provided to the SURFAC	CE OWNER(s):	
Name: Gail Zw		Name:	
Address: 159	Edgington Lane #15	Address:	
Wheeling, WV 2	6003		
		notice is hereby given that the undersigned with a horizontal well on the tract of land as fol	
State: County: District: Quadrangle: Watershed:	West Virginia Marshall Liberty Cameron Maggoty Run	UTM NAD 83 Easting:	533,594.592 4,404,732.948 Grapevine Ridge Drive Drages Jamison MSH
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b) mber and electronic mail address or rizontal drilling may be obtained fr	UTM NAD 83 Easting: Northing: Public Road Access: RECEIVED Generally used Paramet and	533,594.592 4,404,732.948 Grapevine Ridge Drive Chales Jamison MSH 18 10 10 11 10 11 11 11 11 11 11 11 11 11
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b mber and electronic mail address or rizontal drilling may be obtained fr 1 57 th Street, SE, Charleston, WV 2	UTM NAD 83 Easting: Northing: Public Road Access: RECEIVED Generally used Partine and OCT 2 3 20 WV Department Of the operator and the operator's authorized of the Secretary, at the WV Department of	533,594.592 4,404,732.948 Grapevine Ridge Drive Chales Jamison MSH 18 10 10 11 10 11 11 11 11 11 11 11 11 11
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nurelated to ho located at 60 Notice is he	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b) mber and electronic mail address or rizontal drilling may be obtained fr	UTM NAD 83 Easting: Northing: Public Road Access: RECEIVED Generally used Partine and OCT 2 3 20 WV Department Of the operator and the operator's authorized of the Secretary, at the WV Department of	533,594.592 4,404,732.948 Grapevine Ridge Drive Chales Jamison MSH 18 10 10 11 10 11 11 11 11 11 11 11 11 11
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he Well Operato	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b) mber and electronic mail address of a contract drilling may be obtained from the contract of the con	UTM NAD 83 Easting: Northing: Public Road Access: RECEIVED Generally used Particle and OCT 2 3 20 WV Department of the operator and the operator's authorized from the Secretary, at the WV Department of 15304 (304-926-0450) or by visiting www.der	533,594.592 4,404,732.948 Grapevine Ridge Drive Deales Jamison MSH 18 10 10 10 10 10 10 10 10 10
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he Well Operato	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b mber and electronic mail address orizontal drilling may be obtained from the street, SE, Charleston, WV 22 Pereby given by: Or: SWN Production Company, LLC	UTM NAD 83 Easting: Northing: Public Road Access: RECEIVED Generally used Programme and OCT 2 3 20 WV Department Of the operator and the operator's authorized rom the Secretary, at the WV Department of 15304 (304-926-0450) or by visiting www.der Authorized Representative:	4,404,732.948 Grapevine Ridge Drive Charles Jamison MSH 18 t of telephone number, and if available, depresentative. Additional information Environmental Protection headquarters, p.wv.gov/oil-and-gas/pages/default.aspx.
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he Well Operato Address:	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b mber and electronic mail address or rizontal drilling may be obtained fr 1 57th Street, SE, Charleston, WV 2 Preby given by: SWN Production Company, LLC PO Box 1300, 179 Innovation Drive	UTM NAD 83 Easting: Northing: Public Road Access: RECEIVED Generally used Programme and OCT 2 3 20 WV Department Of the operator and the operator's authorized rom the Secretary, at the WV Department of 15304 (304-926-0450) or by visiting www.der Authorized Representative:	533,594.592 4,404,732.948 Grapevine Ridge Drive Drades Jamison MSH 18 18 18 18 18 18 18 18 19 19
State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he	West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b mber and electronic mail address of rizontal drilling may be obtained fr 1 57 th Street, SE, Charleston, WV 2 Preby given by: SWN Production Company, LLC PO Box 1300, 179 Innovation Drive Jane Lew, WV 26378	UTM NAD 83 Easting: Northing: Public Road Access:RECEIVED Generally used Office and OCT 2 3 20 WV Department of the operator and the operator's authorized from the Secretary, at the WV Department of 5304 (304-926-0450) or by visiting www.der Authorized Representative: Address:	533,594.592 4,404,732.948 Grapevine Ridge Drive Obates Jamison MSH 118 Coft telephone number, and if available, description and information Environmental Protection headquarters, p.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive Jane Lew, WV 26378

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

Operator Well No. Challes Jarylson WSH AH 02/08/2019

4705102127

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

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

Notice Time Date of Notic			east TEN (10) days prior to filing a it Application Filed:	pelmit application.
Delivery met	hod pursuant	to West Virginia Code § 22-	-6A-16(b)	
☐ HAND		CERTIFIED MAIL		
DELIVE		RETURN RECEIPT REQU	ESTED	
receipt reques drilling a hori of this subsec subsection ma	ted or hand del zontal well: Pation as of the da by be waived in	ivery, give the surface owner rovided, That notice given pu ate the notice was provided to writing by the surface owner	notice of its intent to enter upon the ursuant to subsection (a), section to the surface owner: <i>Provided</i> , how	an operator shall, by certified mail return ne surface owner's land for the purpose of en of this article satisfies the requirements vever, That the notice requirements of this ude the name, address, telephone number, or's authorized representative.
Notice is he	reby provided	to the SURFACE OWN	ER(s):	
Name: Ronnie E		A STATE OF THE STA	Name:	
Address: 3780			Address:	
Cameron, WV 26	033			
the surface ov State: County: District: Quadrangle: Watershed:	West Virginia Marshall Liberty Cameron Maggoty Run	he purpose of drilling a horiz	contal well on the tract of land as for Easting: UTM NAD 83 Northing: Public Road Access: Generally used farm name:	Illows: 533,594.592 4,404,732.948 Grapevine Ridge Drive Charles Janison Wellshi and Gas
This Notice	Shall Include		e	OCT 2 3 2018
facsimile nun related to hor	ber and electrized	onic mail address of the open may be obtained from the S	erator and the operator's authorize ecretary, at the WV Department o	ess, telephynic mumber had if available, ed replessificative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
facsimile nun related to hor located at 601	nber and electronizontal drilling 57 th Street, SE	onic mail address of the op- may be obtained from the S , Charleston, WV 25304 (30	erator and the operator's authorize ecretary, at the WV Department o	ed representative. Additional information f Environmental Protection headquarters,
facsimile nun related to hor located at 601 Notice is he	nber and electrizontal drilling 57 th Street, SE reby given by	onic mail address of the op- may be obtained from the S , Charleston, WV 25304 (30 ::	erator and the operator's authorize ecretary, at the WV Department of 4-926-0450) or by visiting www.de	ed representative hald represent information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
facsimile nun related to hor located at 601 Notice is he	nber and electrized drilling 57 th Street, SE reby given by SWN Production	onic mail address of the op- may be obtained from the S , Charleston, WV 25304 (30 ::	erator and the operator's authorize ecretary, at the WV Department o	ed representative hald represent information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
facsimile nun related to hor located at 601 Notice is he Well Operator	nber and electrized drilling 57 th Street, SE reby given by SWN Production	onic mail address of the open may be obtained from the Stranger, Charleston, WV 25304 (30-11). Company, LLC	erator and the operator's authorize ecretary, at the WV Department of 4-926-0450) or by visiting www.de	ed representative Additional information f Environmental Protection headquarters, p.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth
facsimile nun related to hor located at 601 Notice is her Well Operator Address:	nber and electrized trilling 57th Street, SE reby given by SWN Production PO Box 1300,	onic mail address of the open may be obtained from the Stranger, Charleston, WV 25304 (30-11). Company, LLC	erator and the operator's authorize ecretary, at the WV Department of 4-926-0450) or by visiting www.de	ed represvirtative half protection information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive
facsimile nun related to hor located at 601 Notice is he Well Operator	nber and electrizontal drilling 57th Street, SE reby given by SWN Production PO Box 1300, 7 Jane Lew, WV 2	onic mail address of the operation of the Spanish o	erator and the operator's authorize ecretary, at the WV Department of 4-926-0450) or by visiting www.de Authorized Representative: Address:	ed representative half of tection information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth PO Box 1300, 179 Innovation Drive Jane Lew, WV 26378

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.

4705102127

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.

Service and						
Notice Time Date of Noti		Notice shall be		t TEN (10) days pri Application Filed: _	or to filing	permit application.
Delivery me	thod pursuant	to West Virgin	ia Code § 22-6A	A-16(b)		
☐ HAND		CERTIFIED N	AA II			
DELIVI			CEIPT REQUES	STED		
receipt reque drilling a hor of this subsec subsection m	sted or hand delizontal well: Petion as of the day be waived in	ivery, give the rovided. That nate the notice we writing by the	surface owner no otice given pursi as provided to the surface owner.	otice of its intent to uant to subsection (and surface owner: Particle of the notice, if requires	enter upon t a), section to rovided, how ed, shall inc	, an operator shall, by certified mail rethe surface owner's land for the purposen of this article satisfies the requirements of lude the name, address, telephone number's authorized representative.
Notice is he	reby provide	to the SURI	FACE OWNER	R(s):		
	Energy ATTN: Mason			Name:		
Address: 4622	26 National Road			Address:		
St. Clairsville, Ol	43950			4-		
Pursuant to V						well operator has an intent to enter u
Pursuant to V	Vest Virginia C			tal well on the tract	of land as for Easting: Northing:	
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor	West Virginia Conner's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia on ber and electreizontal drilling	the purpose of controls: Code § 22-6A-onic mail addr may be obtain	16(b), this noticess of the operared from the Secre	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa te shall include the tor and the operato retary, at the WV D	of land as for Easting: Northing: ess: urm name: name, add r's authoriz	510WS: 533,594,592 4,404,732.948 Grapevine Ridge Drive
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hoo located at 60	West Virginia Councer's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Councer and electroizental drilling	the purpose of of the control of the	16(b), this noticess of the operared from the Secre	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa te shall include the tor and the operato retary, at the WV D	of land as for Easting: Northing: ess: urm name: name, add r's authoriz	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if availated representative. Additional information of Environmental Protection headquart
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 600000000000000000000000000000000000	West Virginia Conner's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia on ber and electreizontal drilling	e: Code § 22-6A-onic mail addr may be obtain , Charleston, W	16(b), this noticess of the operared from the Secre	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa te shall include the tor and the operato retary, at the WV D	of land as for Easting: Northing: ess: arm name: name, add r's authoriz Department of	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if availated representative. Additional information of Environmental Protection headquarted by the control of Environmental Pr
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 600000000000000000000000000000000000	West Virginia Covner's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Country Country Country Shall Include West Virginia Country C	e: Code § 22-6A-onic mail addr may be obtain , Charleston, W	16(b), this noticess of the operared from the Sective 25304 (304-9)	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa te shall include the tor and the operato retary, at the WV D 226-0450) or by visit	of land as for Easting: Northing: ess: arm name: name, add r's authoriz Department of	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if availated representative. Additional information of Environmental Protection headquartep.wv.gov/offind-gas/pages/default.as
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hoo located at 60 Notice is he Well Operato	West Virginia Covner's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Country Country Country Shall Include West Virginia Country C	che purpose of concess of concess and address of concess of conces	16(b), this noticess of the operared from the Sective 25304 (304-9)	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa te shall include the tor and the operato retary, at the WV D 26-0450) or by visit Authorized Rep	of land as for Easting: Northing: ess: arm name: name, add r's authoriz Department of	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if availated representative. Additional information of Environmental Protection headquarted by the control of Environmental Pr
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hoo located at 60 Notice is he Well Operato	West Virginia Conner's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Conber and electrizontal drilling 157th Street, SE reby given by r: SWN Production PO Box 1300,	che purpose of concess of concess and address of concess of conces	16(b), this noticess of the operared from the Sective 25304 (304-9)	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa te shall include the tor and the operato retary, at the WV D 26-0450) or by visit Authorized Rep	of land as for Easting: Northing: ess: urm name: name, add r's authoriz Department of	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if availared representative. Additional information of Environmental Prescription headquarter. OCT 2 3 2018 Justin Booth PO Box 1990 for the length of the presentation.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hoo located at 60 Notice is he Well Operato Address:	West Virginia Covner's land for West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Country and electrizontal drilling 157th Street, SE reby given by T: SWN Production PO Box 1300, Jane Lew, W. 2	che purpose of concept of the purpose of concept of the concept of	16(b), this noticess of the operared from the Sective 25304 (304-9)	tal well on the tract UTM NAD 83 Public Road Acce Generally used fa se shall include the tor and the operato retary, at the WV D 26-0450) or by visit Authorized Rep Address:	of land as for Easting: Northing: ess: urm name: name, add r's authoriz Department of	ollows: 533,594,592 4,404,732,948 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if availated representative. Additional information of Environmental Protection headquarter. OCT 2 3 2018 Justin Booth PO Box 1900 Offind Protection Jane Lew, WV 26378

Oil and Gas Privacy Notice:

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

Operator Well No. 22108/2019

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

Delivery met	hod pursuant to West Virginia Coo	de 8 22-6A-16(c)		
	not pursuant to west virginia coo	de § 22 0.1 10(e)		
CERTII	FIED MAIL	☐ HAND		
RETUF	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned of required to be drilling of a l damages to th	requested or hand delivery, give the operation. The notice required by the provided by subsection (b), section provided well; and (3) A proposed the surface affected by oil and gas open	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	I will be used for de: (1) A copy ace owner whose sation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information e land will be used in conjunction with the t 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 s listed in the records of the sheriff at			
Address: 90 Li		Addres		
Seville, OH 44273		1,144160		
State:	the surface owner's land for the purp West Virginia	ose of drilling a horizonta UTM NAD 8	Easting:	ct of land as follows: 533,594,592
County:	Marshall		Northing:	4,404,732.948
		DA 1 G1 D		
District:	Liberty	Public Road		Grapevine Ridge Drive
District: Quadrangle:	Liberty Cameron		Access: ed farm name:	
District: Quadrangle: Watershed:	Cameron Maggoty Run			Grapevine Ridge Drive
District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information re	Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), the d by W. Va. Code § 22-6A-10(b) to the distribution of the distribution	is notice shall include: (1 o a surface owner whose d compensation agreeme extent the damages are coobtained from the Secre	A copy of this land will be untraining and many arrows able und	Charles Jamison MSH Code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information re headquarters, gas/pages/def:	Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), the drop W. Va. Code § 22-6A-10(b) to the drop oil and gas operations to the drop oil	is notice shall include: (1 o a surface owner whose od compensation agreeme extent the damages are contained from the Secre Charleston, WV 25304	A copy of this e land will be unt containing an ompensable und tary, at the WV (304-926-0450)	Charles Jamison MSH Code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-RECEIVED Office of Oil and Gas
District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information re headquarters,	Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), the drop W. Va. Code § 22-6A-10(b) to the drop oil and gas operations to the drop oil	is notice shall include: (1 o a surface owner whose d compensation agreeme extent the damages are coobtained from the Secre	A copy of this land will be untraining and many arrows able und	Charles Jamison MSH Code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-necel/PCENED Office of Oil and Gas

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.

Operator Well No. Charles Jamison MSH 8H

STATE OF WEST VIRGINIA 470510212 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 10/09/2018 Date Permit Application Filed: Delivery method pursuant to West Virginia Code § 22-6A-16(c) HAND CERTIFIED MAIL RETURN RECEIPT REQUESTED DELIVERY Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice. Notice is hereby provided to the SURFACE OWNER(s) (at the address listed in the records of the sheriff at the time of notice): Name: Gail Zwick Name: Address: 159 Edgington Lane # 15 Address: Wheeling, WV 26003 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: 533,594.592 West Virginia Easting: State: UTM NAD 83 Northing: 4,404,732.948 County: Marshall Public Road Access: Grapevine Ridge Drive District: Liberty Quadrangle: Generally used farm name: Charles Jamison MSH Cameron Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-andgas/pages/default.aspx. Well Operator: SWN Production Company, LLC Address: PO Box 1300, 179 Innovation Drive RECEIVED Office of Oil and Gas Telephone: Jane Lew, WV 26378 304-997-9816 Email: Facsimile: 304-884-1691 Justin_Booth@swn.com OCT 2 3 2018

Oil and Gas Privacy Notice:

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

Operator Well No. 2h

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

Notice Time I Date of Notic	e: 10/09/2018 Date Pern	nit Application Filed:		t application.
Delivery metl	nod pursuant to West Virginia Co	de § 22-6A-16(c)	1	
■ CERTIF	TIED MAIL	☐ HAND		
200	N RECEIPT REQUESTED	DELIVERY		
return receipt the planned or required to be drilling of a h damages to the	requested or hand delivery, give the peration. The notice required by t provided by subsection (b), section orizontal well; and (3) A proposed a surface affected by oil and gas open	surface owner whose lar this subsection shall incl- ten of this article to a surface use and comper erations to the extent the company.	d will be used for ide: (1) A copy face owner whose sation agreement amages are com-	lication, an operator shall, by certified mail for the drilling of a horizontal well notice of y of this code section; (2) The information ose land will be used in conjunction with the ent containing an offer of compensation for inpensable under article six-b of this chapter. listed in the records of the sheriff at the time
	by provided to the SURFACE OV listed in the records of the sheriff a			
Address: 911 H	illcrest Drive	Addre	ss:	
St. Albans, WV 25*	177			
	the surface owner's land for the purp West Virginia		al well on the tra	533,594.592
District:	Liberty	Public Road		Grapevine Ridge Drive
Quadrangle:	Cameron	Generally us	sed farm name:	Charles Jamison MSH
Watershed:	Maggoty Run			
to be provided horizontal wel surface affecte information re	est Virginia Code § 22-6A-16(c), the d by W. Va. Code § 22-6A-10(b) It; and (3) A proposed surface use a d by oil and gas operations to the lated to horizontal drilling may be located at 601 57 th Street, SE,	to a surface owner whose nd compensation agreem extent the damages are of obtained from the Secre-	e land will be usent containing and compensable under tary, at the WV (304-926-0450)	s code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional V Department of Environmental Protection (2) or by visiting www.dep.wv.gov/oil-and-department
Well Operator	SWN Production Company, LLC	Address:	DO Pay 1200 170 l	Innovation Driverfice of Cill and Gas
Telephone:	304-997-9816	riddicss.	Jane Lew, WV 2637	378
Email:	Justin_Booth@swn.com	Facsimile	304-884-1691	OCT 2 3 2018
Oil and Gas F	Privacy Notice:		72012013037	WV Department of wironmental Protection

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

Operator Well No. 92708/2019 4 7 0 5 1 0 2 1 2 1 9

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

Date of Notice	re: 10/09/2018 Date Per		pplication Filed:	10 92/18		
Delivery met	hod pursuant to West Virginia C	ode §	22-6A-16(c)			
■ CERTII	FIED MAIL	П	HAND			
	RN RECEIPT REQUESTED		DELIVERY			
return receipt the planned of required to be drilling of a l damages to th (d) The notice of notice.	V. Va. Code § 22-6A-16(c), no lat requested or hand delivery, give the peration. The notice required by provided by subsection (b), section norizontal well; and (3) A propose e surface affected by oil and gas on the section shall be a sectio	this son ten of d surf peration	ace owner whose land ubsection shall inclused this article to a surface use and compense to the extent the data to the surface owner are	I will be used for de: (1) A copy ace owner whose sation agreement amages are com	or the drilling of this code se land will be at containing pensable und	of a horizontal well notice of section; (2) The information e used in conjunction with the an offer of compensation for er article six-b of this chapter.
	by provided to the SURFACE O s listed in the records of the sheriff					
Name: Ronnie E			Name:			
Address: 3780 Cameron, WV 260			Addres	s:		
operation on State:	the surface owner's land for the pur West Virginia	rpose	of drilling a horizonta — UTM NAD 8	Facting	ct of land as 533,594.592	follows:
County:	Marshall			Northing:	4,404,732.948	
District:	Liberty		Public Road		Grapevine Ridge	
Quadrangle:	Cameron		Generally use	ed farm name:	Charles Jamison	n MSH
Watershed: This Notice S	Maggoty Run hall Include:		_			
to be provide horizontal wel surface affecte information re	est Virginia Code § 22-6A-16(c), the desired by W. Va. Code § 22-6A-10(b) ll; and (3) A proposed surface used by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	to a sand contact to a second contact to a sec	surface owner whose impensation agreement the damages are co- tined from the Secret	e land will be unt containing an ompensable und ary, at the WV	ised in conju offer of comer article sixed Department	nction with the drilling of a ppensation for damages to the -b of this chapter. Additional of Environmental Protection
Well Operator	SWN Production Company, LLC		Address:	PO Box 1300, 179 Ir	nnovation Drive	RECEIVED Office of Oil and Gas
Telephone:	304-997-9816			Jane Lew, WV 2637	8	
Email:	Justin_Booth@swn.com		Facsimile:	304-884-1691		OCT 2 3 2018
Oil and Gas I	rivacy Notice:	1		- 412-00	404	WV Department of Environmental Protection

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

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

Operator Well No. 02/08/2019

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

CERTIFIED MAIL RETURN RECEIPT Pursuant to W. Va. Code § return receipt requested or I the planned operation. The required to be provided by surface affected by of notice. Notice is hereby provided (at the address listed in the Name: Murray Energy Corp ATTN: Address: 46226 National Road St. Clairsville, OH 43950 Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: West Virginia County: Marshall District: Liberty Quadrangle: Cameron Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Co be provided by W. Va. horizontal well; and (3) A psurface affected by oil and information related to horizontal metals.	§ 22-6A-16(c), no later than hand delivery, give the surfa	HAND DELIVERY n the date for filing the	I i	
Pursuant to W. Va. Code § return receipt requested or I the planned operation. The required to be provided by sdrilling of a horizontal well damages to the surface affected by of notice. Notice is hereby provided (at the address listed in the INAME: Murray Energy Corp ATTN: Address: 46226 National Road St. Clairsville, OH 43950 Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: West Virginia Coperation: Marshall Liberty Quadrangle: Marshall Liberty Quadrangle: Cameron Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Coto be provided by W. Va. horizontal well; and (3) A p surface affected by oil and information related to horizheadquarters, located at 60	§ 22-6A-16(c), no later than hand delivery, give the surfa	DELIVERY n the date for filing the		
Pursuant to W. Va. Code § return receipt requested or I the planned operation. The required to be provided by sdrilling of a horizontal well damages to the surface affected by of notice. Notice is hereby provided (at the address listed in the Name: Murray Energy Corp ATTN: Address: 46226 National Road St. Clairsville, OH 43950 Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: West Virginia Coperation: Marshall Liberty Quadrangle: Marshall Liberty Quadrangle: Cameron Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Coto be provided by W. Va. horizontal well; and (3) A p surface affected by oil and information related to horizheadquarters, located at 60	§ 22-6A-16(c), no later than hand delivery, give the surfa	DELIVERY n the date for filing the		
return receipt requested or I the planned operation. The required to be provided by so drilling of a horizontal well damages to the surface affect (d) The notices required by of notice. Notice is hereby provided (at the address listed in the I Name: Murray Energy Corp ATTN: I Address: 46226 National Road St. Clairsville, OH 43950 Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: West Virginia County: District: County: Marshall District: Uiberty Quadrangle: Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Co to be provided by W. Va. horizontal well; and (3) A p surface affected by oil and information related to horiz headquarters, located at 60	hand delivery, give the surfa			
(at the address listed in the read Name: Murray Energy Corp ATTN: Address: 46226 National Road St. Clairsville, OH 43950 Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: West Virginia County: Marshall Liberty Quadrangle: Cameron Maggoty Run This Notice Shall Include: Pursuant to West Virginia Co be provided by W. Va. horizontal well; and (3) A psurface affected by oil and information related to horizontal maggoty at 600 provided at 600	subsection (b), section ten o Il; and (3) A proposed surfacted by oil and gas operation this section shall be given t	ubsection shall included this article to a surfactor article to a surfactor article to a surfactor article to the extent the date to the surface owner a	I will be used for de: (1) A copy ace owner whost ation agreement amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information he 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
Address: 46226 National Road St. Clairsville, OH 43950 Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: County: Marshall District: Quadrangle: Quadrangle: Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Coto be provided by W. Va. horizontal well; and (3) A psurface affected by oil and information related to horizheadquarters, located at 60	records of the sheriff at the			
Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: County: District: Quadrangle: Wast Virginia Cameron Maggoty Run This Notice Shall Include: Pursuant to West Virginia Coto be provided by W. Va. horizontal well; and (3) A psurface affected by oil and information related to horizheadquarters, located at 60	Mason Smith	Name: _		
Notice is hereby given: Pursuant to West Virginia Coperation on the surface ow State: County: District: Quadrangle: Watershed: Waggoty Run This Notice Shall Include: Pursuant to West Virginia Coto be provided by W. Va. horizontal well; and (3) A psurface affected by oil and information related to horizheadquarters, located at 60)	Address	s:	
District: Liberty Quadrangle: Cameron Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Companient to be provided by W. Va. horizontal well; and (3) A purface affected by oil and information related to horizontal well; located at 60	code § 22-6A-16(c), notice in which we have a suppose of the purpose of the purpo	of drilling a horizontal	I well on the tra	
Quadrangle: Cameron Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Country to be provided by W. Va. horizontal well; and (3) A purface affected by oil and information related to horizontal well; and (a) horizontal well; and (b) and information related to horizontal well; and (b) and information related to horizontal well; and (c) and (c) are well as a second country to the count		UTM NAD 8:	Northing:	4,404,732.948
Watershed: Maggoty Run This Notice Shall Include: Pursuant to West Virginia Country to be provided by W. Va. horizontal well; and (3) A purface affected by oil and information related to horizontal well; and (a) the surface affected by oil and information related to horizontal well.		Public Road A	Access:	Grapevine Ridge Drive
This Notice Shall Include: Pursuant to West Virginia C to be provided by W. Va. horizontal well; and (3) A p surface affected by oil and information related to horiz headquarters, located at 60		Generally use	ed farm name:	Charles Jamison MSH
Pursuant to West Virginia C to be provided by W. Va. horizontal well; and (3) A p surface affected by oil and information related to horiz headquarters, located at 60		_		
	Code § 22-6A-16(c), this no	surface owner whose	land will be unt containing an	code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional
Well Operator: SWN Production	proposed surface use and co gas operations to the exten zontal drilling may be obta	nt the damages are co tined from the Secreta	ary, at the WV	Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10"
Telephone: 304-997-9816	proposed surface use and co gas operations to the exten zontal drilling may be obta 01 57 th Street, SE, Charl	nt the damages are co tined from the Secreta	ary, at the WV (304-926-0450)	Department of Environmental Protection or by visiting <a href="https://www.gov/oil-and-uww.gov</td></tr><tr><td>Email: Justin_Booth@</td><td>proposed surface use and co
gas operations to the exten
zontal drilling may be obta
01 57<sup>th</sup> Street, SE, Charl</td><td>nt the damages are co
tined from the Secreta
leston, WV 25304 (</td><td>ary, at the WV</td><td>Department of Environmental Protection or by visiting <a href=" https:="" oil-and-novation-novati<="" td="" www.gov="">

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 deepprivacyofficer@wv.gov.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Thomas J. Smith, P. E.

02/08/2019

Secretary of Transportation/ Commissioner of Highways

> Jill M. Newman **Deputy Commissioner**

June 25, 2018

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 Charles Jamison Pad, Marshall County

Charles Jamison MSH 8H Well Site

Dear Mr. Martin,

The West Virginia Division of Highways has issued permit #06-2018-0459 to Southwestern Energy for access to the State Road for the well site located off of Marshall County Route 25/1 SLS.

The operator has signed an 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 January 3, 2012.

RECEIVED
Office of Oil and Gas

OCT 2 3 2018

Very Truly Yours, Environmental Protection

Gary K. Clayton

Regional Maintenance Engineer Central Office Oil &Gas Coordinator

Cc:

Brittany Woody Southwestern Energy CH, OM, D-6

File

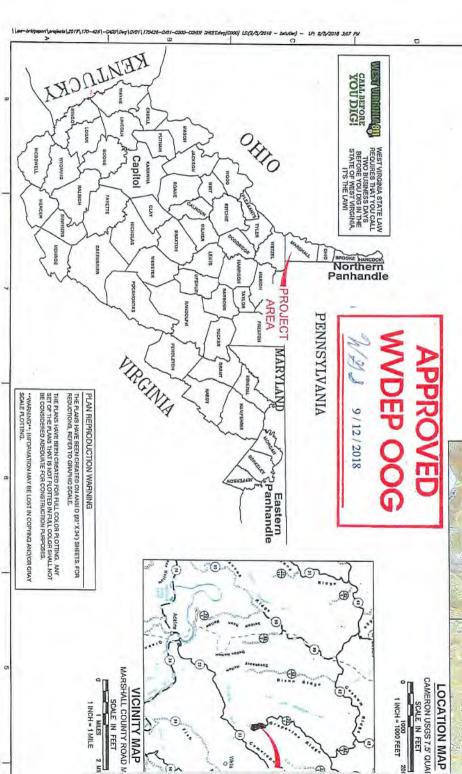
E.E.O./AFFIRMATIVE ACTION EMPLOYER

 	FRAC A	DDITIVES		Kan I
Product Name	Product Use	Chemical Name	CAS Number	
		Hydrogen Peroxide	7722-84-1	
EC6734A (Champion Technologies)	Biocide	Acetic Acid	64-19-7	
ECO7 3 17 (Champion recimologics)	2,00,000	Peroxyacetic Acid	79-21-0	
		Methanol	67-56-1	
SYPTRON T-390 (Champion Technologies)	Scale Inhibitor	Nonylphenol Ethoxylate	Proprietary	
		Glutaraldehyde	111-30-8	
Bactron K-139 (Champion Technologies)	Biocide	Quaternary Ammonium Compounds, Benzyl-C12- 16-Alkyldimethyl, Chlorides		02/08/2019
		Ethanol	64-17-5	
		Ethanor	04-17-5	
Bactron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1	
		Quaternary Ammonium Compounds, Benzyl-C12- 16-Alkyldimethyl, Chlorides	68424-85-1	
EC6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary	
LCO460A (Naico Champion)	Jeale Illinoitor	Ethylene Glycol	107-21-1	
WFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8	
VV FNA-ZOOO (U.S. Well Services)	Amonic rriction Reducer	Propenoic acid, polymer with propenamide	9003-06 9	Į
		Ethylene glycol	107-21 1	
		Cinnamaldehyde	104-55 2	
AL-303 (U.S. Well Sapicas)	Mixture	Butyl cellosolve	111-76 2	
AI-303 (U.S. Well Services)	Mixture	Formic acid	64-18 6	
		Polyether	Proprietary]
		Acetophenone, thiourea, formaldehyde polymer	68527-49 1]
AP ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0	
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8	
		Methanol	67-56-1]
		Oxyalkylated fatty acid	68951-67-7	
		Fatty acids	61790-12-3	
Econo-Cl200 (SWN Well Services)	Corrosion Inhibitor	Modified thiourea polymer	68527-49-1	l
200.00 0.200 (0.000 0.000 0.000)		Water	7732-18-5	
		Hydrochloric acid	7647-01-0	
		Potassium acetate	127-08-2	
		Formaldehyde	50-00-0	
		Acetic Acid	64-19-7	
Ecopol-FEAC (SWN Well Services)	Iron Control	Citric Acid	77-92-9	4
		Water	7732-18-5	
HCL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid Water	7647-01-0	
ELOJET DRD 1120V (com on the	F 5		7732-18-5	
FLOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary	į.
		Distillates (petroleum) hydrotreated light	64674-47-8	1
ELOUET DROOP LDD		Ethylene Glycol	107-21-1	
FLOJET DR900 LPP (SWN Well Services)	Friction Reducer	Alcohols, C12-16, Exoxylated propoxylated	68213-24-1	
		Fatty Alcohols ethoxylated	Proprietary	4
		Water	7732-18-5	
FR-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	-
HAI-150E (Halliburton)	Corrector Inhibit	Inorganic Salt No hazardous substance	Proprietary	-
LIVI-TOCE (Hallipurton)	Corrosion Inhibitor	<u></u>	N/A	Į
FDP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate Hydrotreated light petroleum distillate	Proprietary 64742-47-8	
LP-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate Ammonium Chloride	Proprietary	-
CarboNRT	Tracer		12125-02-9 66402-68-4	
Calbulari	Hatel	Ceramic Proppant	00402-08-4	j

Office of Oil and Gas

OCT 23 2018

WW Department of Environmental Protection



	NAME	TELEPHONE NO.
ABULANCE		911
OSPITAL EMERGENCY ROOM	OHIO VALLEY MEDICAL CENTER	(304) 234-0123
RE DEPARTMENT		116
JUCE DEPARTMENT		116
XISON CONTROL CENTER	WEST VIRGINIA POISON CENTER	(800) 222-1222
	FLOOD PLAIN CONDITIONS	
DO SITE CONSTRUCTION	DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	
PERMIT NEEDED FROM	PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:		No No
FLOODPLAIN SHOWN ON DRAWINGS:	LETED:	N O O
FIRM MAP NUMBER(S) FOR SITE:	UETED:	NA NO NO
ACTUAL TO THE PROPERTY OF ACTUAL TO	CETED: N DRAWINGS: FOR SITE: 54051C0200E	NA NO NO

CONTACT: JOSEPH D. ROBINSON, P.E.
CONTACT: JOSEPH D. ROBINSON, P.E.
CONTACT: JOSEPH D. ROBINSON, P.E.

NATIONAL RESPONSE CENTER PH: (600) 424-6502 WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WYDEP) PH: (800) 642-3074

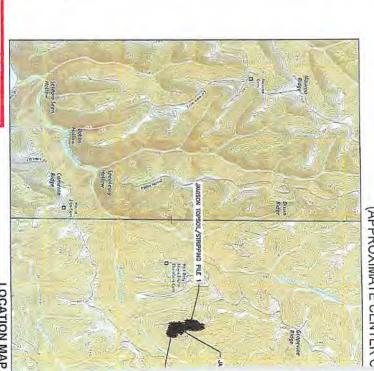
SPILL HOTLINE

SOUTHWESTERN ENERGY COMPANY
10000 ENERGY DRIVE
SPRING, TX 77389-4854
PH. (281) 618-2723
CONTACT: STEVE VAN HOOK

DISTRICT SIX
PH: (304) 843-4000
CONTACT: DISTRICT ENGINEER
GUS SUMAID

CIVIL ENGINEER

망망품성



LAT./LONG: N 39.793506° V (APPROXIMATE CENTER C

JAMISON DRI DRILL PAD SIT SWN PRODUCTION C

A PRODUCTION PAG

A PRODUCTION PAG

A PRODUCTION PAG

A PA

MPANY, LL

PROJECT)

LOCATION COORDINATES

WW83-NF (NORTH ZONE)

LATITUDE LONGITUDE

	UTM83-17	_	WV83-NF (NORTH ZONE)
all'eq.	±	TES	CATION COORDINATES
			AND SECTIONS
	RECLAMATION PLAN	20,	
	RECLAMATION PLAN	28.	
	RECLAMATION PLAN	27.	
	DETAILS	28,	SEDIMENT CONTROL PLAN
	DETAILS	25.	SEDIMENT CONTROL PLAN
	DETAILS	24.	SEDIMENT CONTROL PLAN
	DETAILS	23.	
	DETAILS	22.	SNOTTONS
	PROFILES AND SECTIONS	21.	TYPLAN
	PROFILES AND SECTIONS	20.	TYPLAN
	PROFILES AND SECTIONS	19.	CHITINAUG
		18.	GEND
		17.	IOTES
	PROFILES AND SECTIONS	10	ET
		١	

TOPSOIL / STRIPPING (20% SWELL - 15,462 C.Y.)	TOTAL	SPOIL-1	STAGING PAD	PRODUCTION PAD	DRILL PAD	COUNTY ROAD IMPROVEMENT	MAIN ACCESS ROAD	DESCRIPTION	GRADI	TOTAL: 533	WETLAND B 535	WETLAND IMPACT AND CAUSE	WETLAND IMAPACTS (SF/AC)	NIER OF PRODUCTION PAD 35.752761
C.Y.)								Y	GRADING VOLUMES	535.00	535,00	AREA (SF/AC)	MAPAC	-
	83,967	0	801	3,239	73,157	5,284	1,486	CUT (CY)	LUMES	0.012	0.012	sF/AC)	TS (SF/AC)	-80.6080-08-
12,885 C.Y	83,967	629	2,111	20,876	20,876	9,715	29,760	FILL (CY)			TOPSOIL/STRIPPING PILE 1	CONSTRUCTION DISTURBANCE DISCRIPTION		404030.7930
	0	-629	-1,310	-17,637	52,281	-4,431	-28,274	NET (CY)			ING PILE 1	NCE		2002.1000

	MAR	SHALL COUNT	MARSHALL COUNTY, WEST VIRGINIA	P	
OWNER	TM-PARCEL	DEED-PAGE	TOTAL ACRES	TYPE OF DISTURBANCE	ACERAGE
ON CHARLES & JEAN	7-6	660-113	97.20	MAIN ACCESS ROAD	4.34
	15			STAGING AREA	0.85
				PRODUCTION PAD	2.91
				DRILL PAD	5,54
				TOPSOIL/STRIPPING PILE 1	2.27
				SPOIL PILE 1	0.30
				PARCEL TOTAL	16.21
WICK GAIL - LIFE	7-12	652-150	27.00	DRILL PAD	0.33
				PARCEL TOTAL	0,33
				TOTAL	16,54

96,852

96,852

		48.00*
	SLOTO	\$ \$LOT 10 \$ \$LOT 27
	2/7	00724
	Store	SLOT 13 SLOT 25
	SLOT 3 D SL	OT IS SLOT 23 OF S
	SLOT 2 SLOT	OT 18 O SLOT 22 O S
1		SLOT 200
		10.00

170-426 JDR

0.30 16.54 8.03 4.34 0.85 2.91 5.87

	,			
CO		COVER	SHEET	
0	DATE:	JUNE 2018	DRAWN BY:	NB
	THING GOM EV	VE CHUMN	CHECKED BY:	71/

PROJECT NO:

APPROVED BY:

AT LEAST 300 FEET FROM PAD AND LOD (INCLUDING ANY EAS CONTROL FEATURE) TO ANY NATURALLY PRODUCING TROUT STREAM:

YES

(HORIZONTAL 6A WELL)
ANY EAS CONTROL FEATURE) TO
IR WETLAND:

SWN PRODUCTION COMPANY, LLC JAMISON DRILL PAD LIBERTY DISTRICT MARSHALL CO, WEST VIRGINIA



Civil & Environmental Consultants, Inc.

600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330 Ph: 304.933.3119 · 855.488,9539 · Fax: 304.933.3327 www.ceclnc.com

		н	EVISION R	ECOND	
10	DATE				
	99.55/14				
_					
		o o			I

