

#### west virginia department of environmental protection

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

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

Monday, March 30, 2020 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for OV ROYALTY TRUST LLC BRK 405H 47-009-00307-00-00

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:

OV ROYALTY TRUST LLC BR Farm Name: THE GENE CHARLES VALEN

U.S. WELL NUMBER: 47-009-00307-00-00

Horizontal 6A New Drill

Date Issued: 3/30/2020

Promoting a healthy environment.

API Number: 47-009-00307

#### 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 supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number:
WLI IAMITOGL:

#### **PERMIT CONDITIONS**

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

API NO. 47407 0 0 9 0 0 3 0 7

OPERATOR WELL NO. OV Royalty Triast LLC BRIX 408-1

Well Pad Name: OV Royalty Trust LLC BRK

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

1) Well Operat	or: SWN Prod	duction Co., LLC	494512924	009- Brooke	02-Cross	620-Steubenville
			Operator ID	County	District	Quadrangle
2) Operator's V	Well Number: C	OV Royalty Trust LLC	BRK 405H Well Pa	ad Name: OV R	oyalty Trus	st LLC BRK
3) Farm Name/	Surface Owner	. The Gene Charles Valentine Trust o	Public Ro	ad Access: Rab	bit Hill Roa	ad
4) Elevation, co	urrent ground:	1181' E	levation, proposed	l post-construction	on: 1181'	
5) Well Type	(a) Gas x Other	Oil	Uno	derground Storag	e	
	(b)If Gas SI	hallow x	Deep			
	Н	orizontal X		$\sim$	161	
6) Existing Pac	l: Yes or No Y	es			Wil	2.4.20
		(s), Depth(s), Anticell to the North, Target Top				Associated Pressure- 3772
8) Proposed To	otal Vertical Dep	pth: 5787'	*			
	t Total Vertical	2.4	S			
10) Proposed T	otal Measured	Depth: 18,511'	,			
11) Proposed H	Horizontal Leg I	Length: 11399.5	8' /			
12) Approxima	nte Fresh Water	Strata Depths:	396' √			
13) Method to	Determine Fres	h Water Depths:	Salinity calculation	ns from OV Roya	lty 3H logs	(API 47-009-00094)
14) Approxima	nte Saltwater De	epths: 512' Salinit	y Profile Analysis	1		
15) Approxima	nte Coal Seam D	Depths: 236'	V			
16) Approxima	ate Depth to Pos	ssible Void (coal m	ine, karst, other):	Possible void 2	236'	
		on contain coal seato an active mine?	Yes	No	x	
(a) If Yes, pro	ovide Mine Info	: Name:				
		Depth:				
RECE	EIVED oil and Gas	Seam:				
	1 2020	Owner:				
Environmen	amment of tal Protection					

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK BERMIT APPICATION

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<u> </u>	DV sk <mark>oyelly T</mark> ruc <mark>lill</mark> 0 86	Well Pad Name:	TRIBLILO BEN 4050	y OV Royally	Well Numbu	<ol> <li>i) i)perator's</li> </ol>
	Rabbit Hill Road	Public Road Access.	815511 gas, and wage the	NOT.	s/Surface Ou	3) Farm Name
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API NO. 47-009 \_ 0030 7

OPERATOR WELL NO. OV Royally Trus: LLC BRK 4064
Well Pad Name: OV Royally Trust LLC BRK

#### 18)

#### CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (1b/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#	450'	450'	436 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1557'	1557' 🗸	601sx/CTS
Production	5 1/2"	New	HCP-110	20#	18,511'	18,511'	lead 788x/Tail 2988sx/ 100' Inside Interes
Tubing							1
Liners							

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TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	See	Surface	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		1					

#### **PACKERS**

Kind:		
Sizes:		
Depths Set:		

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#### CASING AND TUBING PROCESS

1941	Size (in)	New OI Used	<u>Grade</u>	Weight per fl. (ib/fl)	FOOTAGE: For Drilling (th)	INTERVALS: leftin Vell (ii)	SEMENT: Fill-op (Co. PL/CTS
Conductor	20	₩ei/1	0.4×13	450	TOT .	N 1001	810
Presb Water	18.8.81	Wew	Oh et	Aska.	100 A	V 1054	87093 984
Ceal	982	Surfroe	Design		entre de la company de la comp		
Intermediase	: 548°	imedi	38-5	Wes.	1788)	152	601gx/Q7S
Production	5 1/2"	w.ə!4	err-nort	\$\tag{2}	116.07	18.511° -	garanteri erita ingali ini ini kal
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<u>Cement</u> <u>Vield</u> (ou ft/k)	Cement	Amicipated Max. Internal Pressure (pai)	Burst Pressure (psi)	<u>Wall</u> Thickness (ia)	<u>Wellbore</u> Diameter fint	(ei) ssi2	119 PT
1. †9/50% Excess	A. 836 D	18	osts	0.25	*()()	"OL	Conductor
7.19/50% Facess	A #spin	0.60	2740	0380	#0.X3	18V2 61	Firsh Water
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i. " g/EUM. Ezcesu	A acelO	1768	2690	6.395	12 14"	18VE 0	Intermediate
epera@ 240@000.	A sesio	0989	00001	0.364	*208	5-12"	Production
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API NO. 47-009 - 00307

OPERATOR WELL NO. OV Royalty Trust LLC BRIK 405H

Well Pad Name: OV Royalty Trust LLC BRK

19	) Describe	proposed	well v	vork.	including	the	drilling	and n	lugging	back	of anv	pilot hole:	
• -	Describe	proposed	***	, OIII,	1110100111	,	~~~~~~~	wire b		Cucit	01 411	PHOC HOLE.	•

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

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. The well is produced through surface facilities consisting of high pressure production unites, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 9000 lbs @ 100 barrels a minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 26.76
- 22) Area to be disturbed for well pad only, less access road (acres): 9.81
- 23) Describe centralizer placement for each casing string:

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

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

See Attachment \*\*\*

25) Proposed borehole conditioning procedures:

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

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\*Note: Attach additional sheets as needed.

Schlumberger Cement Additives

	Product Name	Product Use	Chemical Name	CAS Number
Surface	S001	accelerator	calcium chloride up to 3%	10043-52-4
Intermediate Surface	5001	accelerator	calcium chloride	10043-52-4
4	D080	dispersant	sodium polynaphthalene sulfonate	9008-63-3
0 50	D801	retarder	aromatic polymer derivative	propriatary
Kick Off Plug	D047	antifoam	polypropylene glycol	25322-69-4
	D167	fluid loss	aliphatic amide polymer	propriatary
	D154	extender	non-crystalline silica	7631-86-9
	D400	gas migration	boric acid	10043-35-3
			polypropylene glycol	25322-69-4
pe	D046	antifoam	fullers earth (attapulgite)	8031-18-3
Production-Lead			chrystalline silica	14808-60-7
19	D201	retarder	metal oxide	propriatary
ap			sulphonated synthetic polymer	propriatary
Pro	D202	dispersant	formaldehyde (impurity)	propriatary
			polypropylene glycol	25322-69-4
	D046	antifoam	fullers earth (attapulgite)	8031-18-3
	D167	fluid loss	aliphatic amide polymer	propriatary
=			sodium polynaphthalene sulfonate	9008-63-3
1	D065	dispersant	sodium sulfate	7757-82-6
Production-Tall			chrystalline silica	14808-60-7
npo	D201	retarder	metal oxide	propriatary
Pro	D153	anti-settling	chrystalline silica	14808-60-7

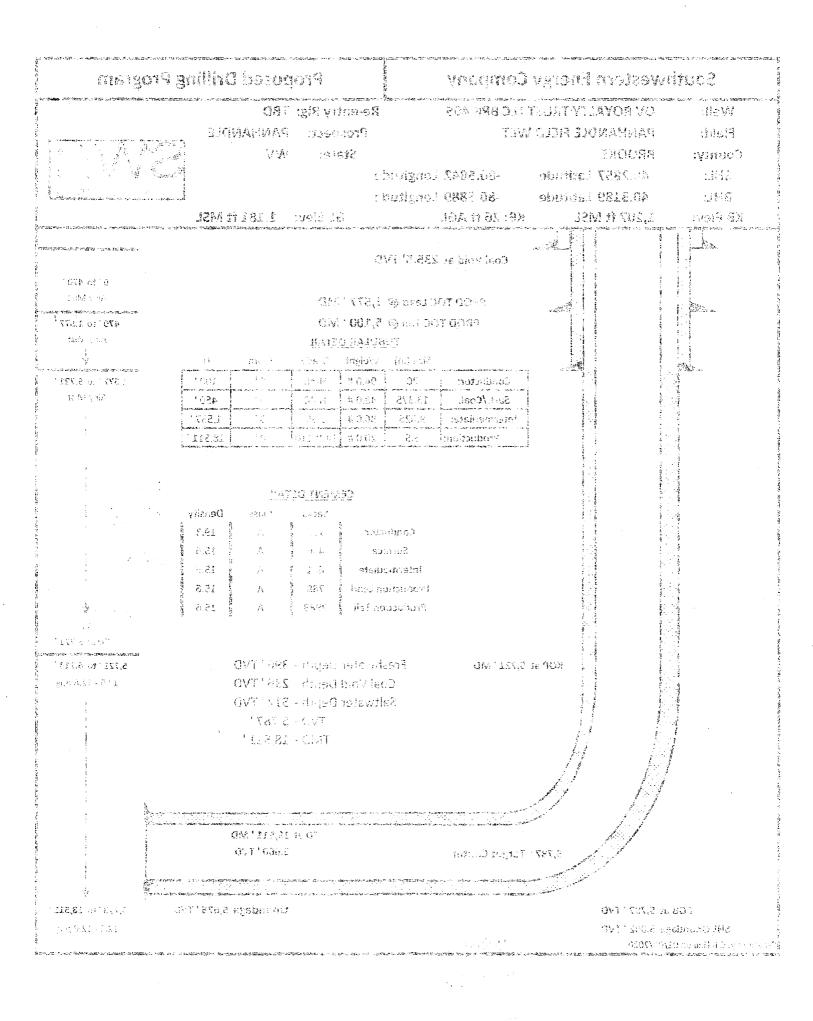
Rev. 5/18/2018

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#### Southwestern Energy Company **Proposed Drilling Program** Well: **OV ROYALTY TRUST LLC BRK 405** Re-entry Rig: TBD Field: PANHANDLE FIELD WET Prospect: **PANHANDLE** County: BROOKE State: SHL: 40.2857 Latitude -80.5842 Longitude BHL: 40.3189 Latitude -80.5889 Longitude KB Elev: 1,207 ft MSL KB: 26 ft AGL GL Elev: 1,181 ft MSL Coal Void at 235.5' TVD 0'to 470' Air / Mist PROD TOC Lead @ 1,577 ' MD PROD TOC Tail @ 5,100 ' MD 470 'to 1,577 ' Air / Mist TUBULAR DETAIL Size (in) Weight Grade From To Conductor: 20 94.0# H-40 0 ! 100 1,577 to 5,721 Air / Mist Surf./Coal: 13.375 48.0# H-40 0' 450' Intermediate: 9.625 36.0# J-55 0' 1,557 Production: 20.0 # HCP-110 18,511 5.5 0' CEMENT DETAIL Sacks Class Density Conductor 151 19.3 Surface 436 15.6 Intermediate 601 A 15.6 **Production Lead** 788 A 15.6 **Production Tail** 2988 15.6 TD at 5,721 ' Freshwater Depth - 396 TVD KOP at 5,721 'MD 5,721 'to 6,713 ' Coal Void Depth - 236 'TVD 12.5 - 12.8 ppg Saltwater Depth - 512 TVD TVD - 5,787 ' TMD - 18,511 ' TD at 18,511 'MD 5,660 'TVD 5,787 ' Target Center EOB at 5,787 'TVD Onondaga 5,675 'TVD 6,713 'to 18,511 ' 12.5 - 12.8 ppg SHL Onondaga 5,802 'TVD RECEIVED Created by: C R Hall on 02/03/2020

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OV Royalty Trust LLC BRK 405H AOR

API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated	
009-90243	Unknown	Unknown			Unknown	Unknown		No Well Found
009-90240	Unknown	Unknown			Unknown	Unknown		No Well Found
009-30023	Unknown	Unknown			Unknown	Unknown		No Well Found
009-90247	Unknown	Unknown			Unknown	Unknown		No Well Found
009-90248	Unknown	Unknown			Unknown	Unknown		No Well Found
009-90249	Unknown	Unknown			Unknown	Unknown		No Well Found
009-70352	Rockledge Oil Co.	Unknown			Unknown	Unknown		No Well Found
009-70351	Rockledge Oil Co.	Unknown			Unknown	Unknown		No Well Found
009-90254	Unknown	Unknown			Unknown	Unknown		No Well Found
009-70354	Rockledge Oil Co.	Unknown			Unknown	Unknown		No Well Found
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WV Department of Environmental Protection

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WW-9 (4/16)

API Number 47 - 009

Operator's Well No. OV Royally Trust LLC, BRK 405H

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

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC	OP Code 494512924
Watershed (HUC 10) Painters Run of Buffalo Creek	Quadrangle Steubenville East
Do you anticipate using more than 5,000 bbls of water to complete	the proposed well work? Yes Vo No
Will a pit be used? Yes No ✓	
If so, please describe anticipated pit waste:	
	If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
Underground Injection (UIC Permit Num	
Reuse (at API Number at next anticipate	d well)
Off Site Disposal (Supply form WW-9 form CExplain recovery and solidification	
Office (Explain leadyry) and community	
Will closed loop system be used? If so, describe: Yes- See Attachn	nent 3A
Drilling medium anticipated for this well (vertical and horizontal)?	
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	
Additives to be used in drilling medium? Attachment 3B	landiil
Drill cuttings disposal method? Leave in pit, landfill, removed offs:	
-If left in pit and plan to solidify what medium will be used	
-Landfill or offsite name/permit number? Meadowfill SWF- 103:	2, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021
Apex Sanitary Landtill Ub-U8438, Brooke Co SVVF- Permittee shall provide written notice to the Office of Oil and Gas of	f any load of drill cuttings or associated waste rejected at any
West Virginia solid waste facility. The notice shall be provided with	nin 24 hours of rejection and the permittee shall also disclose
where it was properly disposed.	
I certify that I understand and agree to the terms and cond	itions of the GENERAL WATER POLLUTION PERMIT issued
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 any	a Department of Environmental Protection. I understand that the
law as regulation can lead to enforcement action	
I cortife under penalty of law that I have personally ext	unined and am familiar with the information submitted on this
application form and all attachments thereto and that, based on 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 line or imprisonment.
Company Official Signature	Office of Oil and Gas
Company Official (Typed Name) Brittany Woody	MAR 1.7 2020
Company Official Title Senior Regulatory Analyst	
	WV Department of Environmental Protection
Subscribed and sworn before me this 23 day of De	19
Stephen leel	Notaro TAGM RUBLIC OFFICIAL SEAL STEPHEN TEEL
My commission expires 5 June 2020	State of West Virginia My Comm. Expires Jun 5, 2020
	179 Innovation Drive Jane Lew WV 26378

Proposed Revegetation Treat	ment: Acres Disturbe	ed 26.76	Prevegetation pl	Η
Lime as determined by pH tes	st min.2 Tons/acre or to c	correct to pH 9.81		
Fertilizer type 10-2	20-20			
Fertilizer amount_60	00	lbs/acre		
Mulch_ Hay/Straw	/	Tons/acre		
		Seed Mixtures		
Ter	mporary		Perma	nent
Seed Type Attachment 3C	lbs/acre		Seed Type	lbs/acre
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application	oit will be land applied on area.	d, include dimensions (L	engineered plans inclux X W x D) of the pit, and	ding this info have been I dimensions (L x W), an
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application Photocopied section of involve Plan Approved by:	oit will be land applied on area.	d, include dimensions (L	x W x D) of the pit, and	ding this info have been I dimensions (L x W), an
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Attach: Maps(s) of road, location, pit provided). If water from the p acreage, of the land application Photocopied section of involv Plan Approved by:  Comments:	oit will be land applied on area.	d, include dimensions (L	x W x D) of the pit, and	I dimensions (L x W), an
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application Photocopied section of involve Plan Approved by:	oit will be land applied on area.	d, include dimensions (L	x W x D) of the pit, and	I dimensions (L x W), an
Maps(s) of road, location, pit provided). If water from the pacreage, of the land application Photocopied section of involve Plan Approved by:	on area.	d, include dimensions (L	x W x D) of the pit, and	I dimensions (L x W), an

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#### Attachment 3A

#### CLOSED LOOP SYSTEM

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

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

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

#### AIR DRILLING INTERVALS

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

#### LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

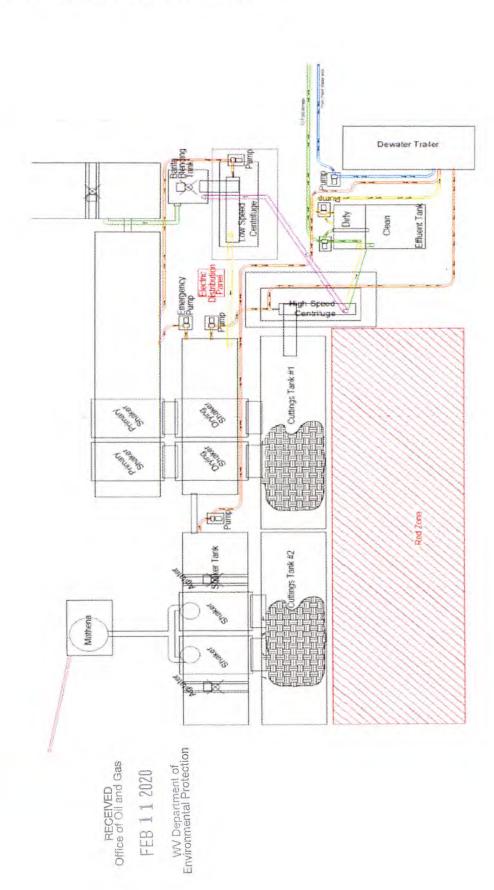
When drilling is converted to liquids drilling, the shale gas separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached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

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Southwestern Energy



#### **Attachment 3B**

#### **Drilling Mediums**

#### **Surface/Coal(if present)/Freshwater Intervals:**

Air

Freshwater (if needed based on conditions)

#### **Intermediate/Coal (if present):**

Air

Brine (In Gas Storage areas)

**Organophilic Bentonite** 

#### **Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

**Organophilic Bentonite** 

**Primary and Secondary Emulsifiers** 

Gilsonite

Calcium Carbonate

**Friction Reducers** 

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WV Department of Environmental Protection

#### **WVD Seeding Specification**



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

50lbs per acre of Winter Wheat

(please al	low 7 to 1	O days	for del	ivery)	
------------	------------	--------	---------	--------	--

#### NON-ORGANIC PROPERTIES **SWN Supplied** Seed Mixture: ROW Mix 40% Orchardgrass 15% Timothy **Annual Ryegrass** 15% **Brown Top Millet** 5% 5% Red Top Medium Red Clover All legumes are 5% innoculated at 5x normal White Clover 5% rate 5% **Birdsfoot Trefoil** Rough Bluegrass 5% Apply @ 200lbs per acre Apply @ 100lbs per acre Oct. 15th-April 15th PLUS

SOIL A	MEN	DM	EN	ITS
--------	-----	----	----	-----

April 16th- Oct. 14th

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

#### Seeding Calculation Informations

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

#### Synopsis:

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 Mix	SWN Supplied					
Organic Timothy !	50%					
Organic Red or White Clover	50%					
OR						
Organic Perennial Ryegrass	60%					
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

## MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

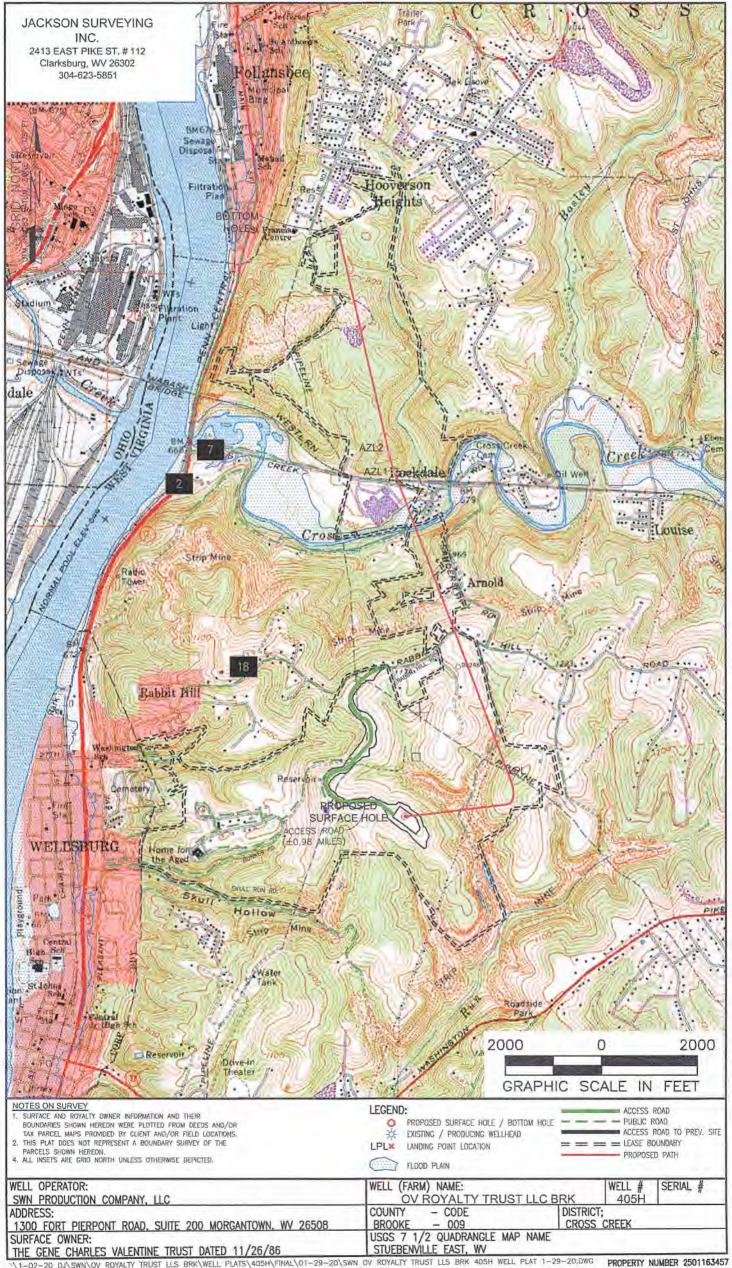


SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

# API NO. 47-XXX-XXXXX WELL NAME: OV Royalty Trust LLC BRK 405H Steubenville East QUAD Cross Creek DISTRICT Brooke COUNTY, WEST VIRGINIA

Submitted by:	
Name: Brittany Woody Suttany Woody	Date: <u>10/15/2019</u>
Title: Senior Regulatory Analyst	SWN Production Co., LLC
Approved by:  Name: Gland Go Ingerty	Date:
Approved by:	
Name:	Date:
Title:	
SWN PRODUCTION COMPANY, LLC	RECEIVED Office of Oil and Gas

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HOLE

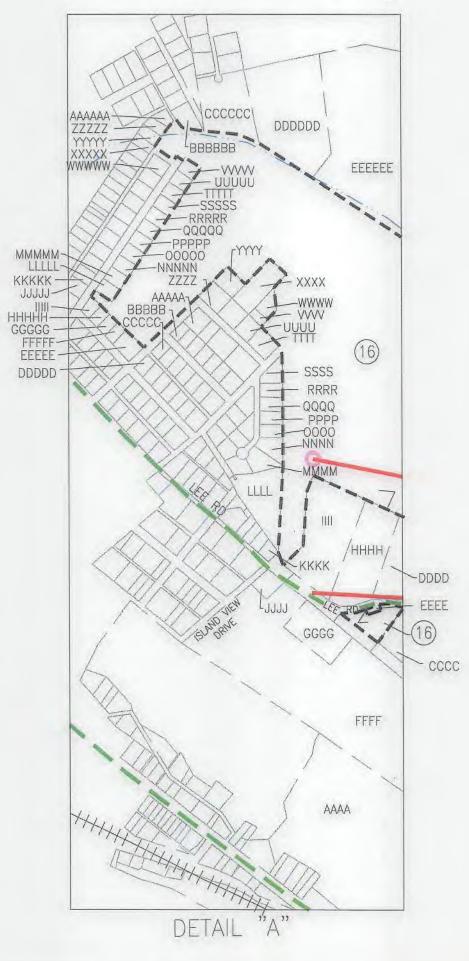
SURFACE

3

.angitude:

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

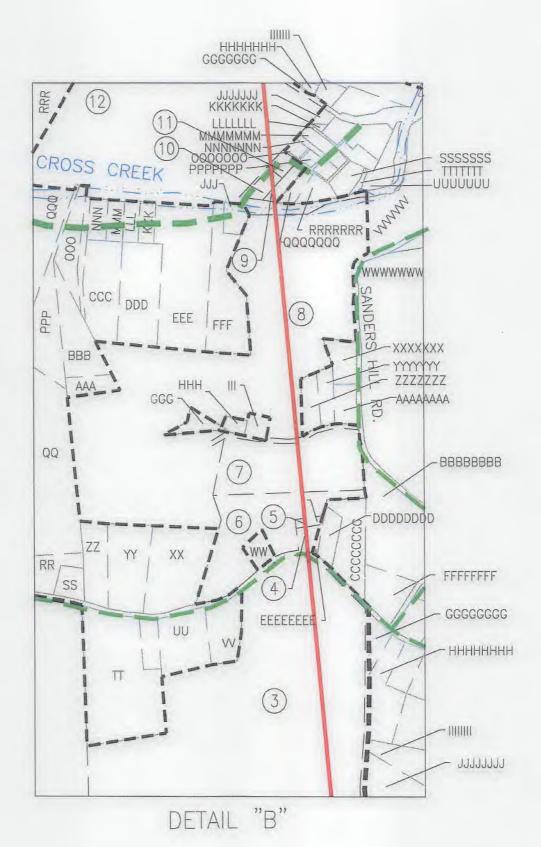




REVISIONS:	COMPANY:	SWN Production Company, LLC	SVA Production C	Mary to Sompany™
	OPERATOR'S WELL #: 47-401	OR'S OV ROYALTY TRUST LLC BRK : 47-441-00307 405H		DATE: 01-29-2020  DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT

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





REVISIONS:	COMPANY:	SWN Production Company, LLC	SW Production Com	PANY™
	OPERATOR'S WELL #:41-00	OV ROYALTY TRUST LL	.C BRK	DATE: 01-29-2020 DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT :

### JACKSON SURVEYING

INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5861

	WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL		
1	THE GENE CHARLES VALENTINE TRUST DATED 11/26/86 (S/R)	4-CC22-41		
TRACT	SURFACE OWNER	TAX PARCEL		
2	DONNA KATHRYN HALL	4-CC23-229		
3	CHARLES KIRCHNER & JUDITH KIRCHNER ALLEMAN, ET AL	4-CC23-230		
4	FLOYD EUGENE TAYLOR & RHONDA C. TAYLOR	4-CC23-5		
5	FLOYD EUGENE TAYLOR & RHONDA C. TAYLOR	4-CC23-6		
6	FLOYD E. TAYLOR SR. & RHONDA C. TAYLOR (SURV)	4-CC23-4		
7	JAMES DODD, JEANNE MCGILL, & ROBIN GEORGE	4-CC19-13		
8	DANIEL MCGOWAN & MARJORIE G. MCGOWAN	4-CC19-5		
9	CAMPBELL SHELDON PALIZZI	4-CC19-25		
10	TRAVIS JAMES MCALEER & KAREN A. PIEHS	4-CC19-26		
11	RICHARD E. RYAN & CAROLYN G. RYAN	4-CC19-27		
12	BOARD OF EDUCATION	4-CC18-33		
13	NORFOLK & WESTERN RAILWAY CO.	4-C19K-18		
14	BOARD OF EDUCATION	4-CC19-38		
15	BOFFO FAMILY LIMITED PARTNERSHIP	4-CC18-32		
16	BOFFO FAMILY LIMITED PARTNERSHIP	4-CC18-7		

ADJOINING OWNERS TABLE				ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARGEL		
A	JAMES LUNSFORD	04-CC23-203	GGG	JASON CARBASHO	04-CC18-54		
В	SCHIAPPA & COMPANY, INC.	04-CC28-2	HHH	MONONGAHELA POWER CO.	04-CC19-12		
C	JOHN W. & NANCY TRAUBERT	04-CC23-234	10	BOARD OF EDUCATION	04-CC19-11		
D	PAUL LISH & PATRICIA ANN LISH	04-CC22-50	JJJ	PHYLLIS MARKER	04-CC18-4		
E	OV ROYALTY TRUST LLC	04-CC22-49	KKK	JEAN SHIRLEY DOUBLES	04-CC18-4		
F	RONALD CONAWAY, DONALD CONAWAY &	04-CC22-47	LLL	ROBIN L. HIMMERLICK (LE ELLA MAE HAYMAN)	04-CC18-45		
	PATRICIA CONAWAY		MMM	GARY HENTHORN	04-CC18-4		
G	SAMUEL J. & MELANIE A. DONINI	04-CC22-45	NNN	ROBIN L. HIMMERLICK (LE ELLA MAE HAYMAN)	04-CC18-4		
Н	LOUIS M. & TINA L. MCGOWAN	04-CC22-44	000	JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL	04-CC18-4		
	TINA L. MCGOWAN	04-CC22-43	PPP	JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL	04-CC18-4		
J	MICHAEL E. FRIEND	04-CC22-43	QQQ				
K	JOHN C. BOBER III & JENNIFER R. BOBER		WUU	THOMAS M. BOYD, RICHARD A. BOYD, DAVID S.	04-CC18-5		
L		07-W22L-18	DDD	BOYD, TRUSTEES IN TRUST OF THOMAS J. BOYD	#4		
	UNKNOWN	07-W22L-17	RRR	BOARD OF EDUCATION	04-CC18-3		
M	RICHARD L. FRYER	07-W22L-11	SSS	BOARD OF EDUCATION	04-CC18-3		
N	CHRISTINE L. ICE	07-W22L-8	Ш	BOARD OF EDUCATION	04-CC18-3		
0	CHRISTINE L. ICE	07-W22L-9	UUU	NORFOLK & WESTERN RAILWAY CO.	04-C19K-1		
P	CHRISTINE L. ICE	07-W22L-10	VVV.	BOARD OF EDUCATION	04-CC18-3		
Q	LARRY N. CLEMONS & SANDRA K. CLEMONS	07-W22L-4	WWW	NORFOLK & WESTERN RAILWAY CO.	04-CC18-2		
R	UNKNOWN	07-W22L-5	XXX	PITTSBURGH & WVA RAILWAY CO.	04-CC18-2		
S	WILLIAM RIGGS	04-C22G-82	YYY	PITTSBURGH & WVA RAILWAY CO.	04-CC18-2		
T	ROBERT J. ZAMPINI	04-C22G-81	ZZZ	BELLAIRE HARBOR SERVICES LLC (LE REBECCA JOHNSON)	04-CC18-2		
U	ROBERT J. ZAMPINI	04-C22G-80	AAAA	ILONA POGGI	04-CC18-1		
V	T.H. CALDWELL HEIRS	04-C22G-79	BBBB	BOFFO FAMILY LIMITED PARTNERSHIP	04-CC18-5		
W	JACKIE RAY COLLEY, ROBERTA G. COLLEY	04-C22G-64	CCCC	JAC-FRED WV LLC A NORTH CAROLINA LLC	04-CC18-6		
X	JACKIE COLLEY, ROBERTA G. COLLEY	04-C22G-63	DDDD	LG - OHI FOLLANSBEE, LLC	04-CC18-9		
Y	FRANKLIN FRAGALE	07-W22G-7	EEEE	LG - OHI FOLLANSBEE, LLC	04-CC18-8		
Z	JOHN WHITE, ROBERT WHITE, SHARON FREY,	07-W22G-5	EFFF	BISHOP OF CATHOLIC DIOCESE	04-CC18-3		
	LE KATHRYN WHITE, RALPH WHITE, JEFFERY WHITE			WHEELING/CHARLESTON			
AA	JOHN WHITE, ROBERT WHITE, SHARON FREY,	04-C22G-8	GGGG.	CITY OF FOLLANSBEE	04-CC18-4		
	LE KATHRYN WHITE, RALPH WHITE, JEFFERY WHITE		HHHH	LG - OHI FOLLANSBEE, LLC	04-CC18-1		
BB	DAVID R. ROTHWELL & WYNONNA ROTHWELL	04-C22G-19	1111	JAC-FRED WV LLC A NORTH CAROLINA LLC	04-CC18-1		
CC	DAVID ROGER ROTHWELL, C/O JOHN BASSETT	04-C22G-20	JJJJ	COLUMBIA GAS	04-CC18-3		
DD	JUDITH L. FOWLER	04-C22G-31	KKKK	KENT ORBAN	04-CC18-1		
EE	VIRGINIA PRICE	04-C22G-33	LLLL	BURL R. WILLIAMS JR.	D4-C145-2		
FF	GEORGE ENNIS	04-C22G-44	MMMM	MICHAEL EICHNER & LINDA S. EICHNER	04-C145-7		
GG	GEORGE F. ENNIS	04-C22G-45	NNNN	MICHAEL EICHNER & LINDA S. EICHNER	04-0145-75		
HH	EARL W. MILLER JR.	04-C22C-46	0000	CARL FREDERICK BOFFO	04-C14S-76		
10	MARK KOSCEVIC	04-C22G-32		TERRY L. FRANKENFIELD & CHERYL L. FRANKENFIELD			
JJ	TERRY L. SMITH & LORA J. SMITH	04-C22C-122	QQQQ	STEPHEN PRITCHARD & BARBARA PRITCHARD	04-C14S-7		
KK	FRANK CARUSO & LISA C. CARUSO	04-C22G-60	RRRR	DAVID W. BARNHART & PAMELA A. BARNHART	04-C14S-7		
LL	CHARLES R. BOGGS	04-C22G-57	SSSS				
MM	CHARLES ISINGHOOD SR.	04-CC22-32	7-7-7	RAYMOND H. MCCOY JR. & CYNTHIA S. MCCOY	04-C14S-B		
NN	JIMMIE D. GEORGE & ROBIN J. GEORGE	04-CC22-31	TITI	RICHARD C. DEARTH & STACEY A. DEARTH	04-C14S-81		
00	DALE E. ADAMS & MARY K. ADAMS	04-CC22-30	UUUU		04-C145-B1		
			VVVV		04-C14S-21		
PP	STEVEN P. DIPASQUALE & MARCY DIPASQUALE	04-CC22-26	WWWW		04-C145-22		
QQ	DONALD C. TAYLOR JR. & JOAN WILLIAMS ET AL	04-CC22-20	XXXX	CHRISTOPHER O. RAY & KAREN L. RAY	04-C14S-22		
RR	ERIN R. SNODGRASS	04-CC22-21	YYYY	MARK BARBETTA & DAWN BARBETTA	04-C14S-22		
	RON MICHAUX ET AL (LC JASON & DEANNA GALLOWAY		ZZZZ		04-C14S-8		
П	CAROLYN F. FREEMAN		AAAAA	MICHAEL P. ROSKANDICH & KELLY J. ROKSANDICH			
UU	CAROLYN F. FREEMAN & LAWRENCE FREEMAN	04-CC23-232		GARY L. WILLIAMS & SHARON J. WILLIAMS	04-C14S-8		
VV	DORIS J. KIRCHNER	04-CC23-231			04-C14S-9		
WW	SHAWN CALDWELL		DDDDDD		04-C14S-98		
XX.	JAMES HARWELL DODD JR.		EEEEE		04-C14S-13		
YY	JAMES HARWELL DODD & LYNN I. DODD		FFFFF	JAC-FRED WV LLC A NORTH CAROLINA LLC	04-C14S-1		
ZZ	DONNA MARIE PRICE		GGGGG		04-C14S-1		
AAA	JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL	THE PARTY OF THE P	HHHHH				
BBB	JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL	04-CC18-52			04-C14S-13		
	JAMES D. BUCHWACH		23110	LAURA M. FRIEND	04-C14S-13		
	WANTER D. DUCHWALL	104-6610-00	UUUUU	ERNEST C. FRIEND, JR. & ROSALIND FRIEND	04-C14S-15		
CCC							
DDD EEE	JAMES D. BUCHWACH JAMES D. BUCHWACH	04-CC18-51	KKKKK		04-C14S-15 04-C14S-13		

REVISIONS:	COMPANY:	SWN Production Company, LLC	SW Production Co	mpany m
	OPERATOR'S WELL #: 17-001-	OV ROYALTY TRUST L	LC BRK	DATE: 01-29-2020  DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT

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

	ADJOINING OWNERS TABLE		ADJOINING OWNERS TABLE				
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL		
MMMMM	RONALD C. PENROD & JUDITH A. PENROD	04-C14S-134	BBBBBBB	CHARLES M. ULRICH	04-CC19-43		
NNNNN	CHAS & AURORA LOPEZ	04-C14S-135	cccccc	CHARLES M. ULRICH	04-CC19-42		
00000	SHIRLEY M. KIRTLEY	04-0145-136	DDDDDDDD	KENNETH J. ULRICH & MICHAELYNN ULRICH	04-CC19-41		
PPPPP	MEGAN E. PINTUS	04-0145-137	EEEEEEE	KENNETH J. ULRICH & MICHAELYNN ULRICH	04-CC19-40		
QQQQQ	TIFFANY WILLIAMS	04-C14S-138	FFFFFF	GEORGE PAULL PFISTER III	04-CC19-39		
RRRRRR	BRIAN L. SMITH & DAWN E. SMITH	04-C14S-139		BROOKE COUNTY COMMISSION	04-CC19-193		
SSSSS	JOHN M. KUZMA & PATRICIA A. KUZMA	04-C14S-140	ннннннн	BOARD OF EDUCATION	D4-CC19-38.		
TITI	ELMER SANDRETH JR. & REBECCA SANDRETH	04-C14S-141	HBIN	JAMES BURNS, RANDY COLLINS	04-CC19-14		
UUUUU	THOMAS E. BOREMAN & SHARON BOREMAN	04-C14S-142	ULLLLLL	H3 LLC	04-CC19-36		
VVVVV	THOMAS E. BOREMAN & SHARON BOREMAN	04-C14S-223	KKKKKKK	JEFFERY SCOTT YOUNG, MELANIE DAWN MAXWELL			
WWWWW	GARY W. POWELL	04-C14S-143		RANDY KOWALCZYK & LINDA LOUSIE KOWALCZYK			
XXXXX	HAROLD WAUGH & SHIRLEY WAUGH	04-C14S-174		RANDY KOWALCZYK & LINDA LOUSIE KOWALCZYK			
YYYYY	HAROLD WAUGH & SHIRLEY WAUGH	04-C14S-175	NNNNNNN	RANDY KOWALCZYK & LINDA LOUSIE KOWALCZYK			
77777	HAROLD WAUGH & SHIRLEY WAUGH	04-C14S-176	0000000	TERRY R. JOHNSON & BETH ANN JOHNSON	04-CC19-28		
AAAAAA	CITY OF FOLLANSBEE	04-C14S-177	ррррррр	RANDY LEE KOWALCZYK &	04-CC19-29		
BBBBBB	TERESA CIONINI	04-C15N-58	L. C. C. C.	LINDA LOUISE KOWALCZYK	04-0019-29		
CCCCCC	NORMA B. TRAUBERT, ET AL		QQQQQQQ	CAMPBELL SHELDON PALIZZI	04-CC19-24		
DDDDDDD	SHERI A. STIFT	04-C15N-87	RRRRRRR	CAMPBELL SHELDON PALIZZI	04-CC19-24		
EEEEEE	DEAN RICHARDSON & SHARON RICHARDSON	04-C19A-10		FRANKLIN M. AFTANAS JR. & DEBRA D. AFTANAS			
FFFFFF	ANGELA FORD	04-C19A-106	TITITIT	FRANKLIN M. AFTANAS JR. & DEBRA D. AFTANAS	04-CC19-22		
GGGGGG	WILLIAM D. SECRIST JR.	04-C19A-116.	UUUUUUUU	MARTIN J. BARTZ JR.	04-CC19-20		
НННННН	RICK SNYDER & ESTHER SNYDER	04-C19A-117	VVVVVV	DENNIS K. YOST DBA KEITH YOST EXCAVATING	04-CC19-18		
HIII	VERA HUNT BOFFO	04-C19A-117	WWWWWWW		04-CC19-5		
JJJJJJ	JADE M. WEEKS & CHRISTOPHER D. WEEKS		XXXXXXX	ROGER L. JONES & JULIA ANN JONES	04-CC19-2		
KKKKKK		e contract	10.000 1831 01.000	CHARLES A. HOGGARD	04-CC19-7		
LLLLLL	JAMES H. JONES JR., KEVI JONES,	04-C19A-146 04-C19E-4	777777	FRANK E. SMITH & DORTHA JEAN SMITH, JEFF E. SMITH ET AL	04-CC19-9		
ММММММ	DIANNA L. CORDER JONES CHRISTINE A. BEARD ROSNOVICH &	04-C19E-5	ZZZZZZZ	FRANK E. SMITH & DORTHA JEAN SMITH, JEFF E. SMITH ET AL	04-CC19-10		
	GEORGE B. ROSONOVICH		AAAAAAA	FRANK E. SMITH & DORTHA JEAN SMITH,	04-CC19-8		
NNNNNN	DARRELL HENLINE & DONNA HENLINE	04-C19E-6		JEFF E. SMITH ET AL	Strain Services		
000000	REBECCA S. BELL, THOMAS C. BELL	04-C19E-7	BBBBBBBB	DANIEL E, MCGOWAN & MARJORIE G. MCGOWAN	04-CC23-12		
PPPPPP	REBECCA S. BELL, THOMAS C. BELL	04-C19E-9	CCCCCCC	DONALD R. HALL & BEVERLY J. HALL	04-CC23-9		
QQQQQQ	DONALD P. MCABEE, DENA D. MCABEE	04-C19E-10	DDDDDDDD	DONALD R. HALL & BEVERLY J. HALL	D4-CC23-8		
RRRRRR	JEFFERY LOUIS FODOR & DREMA DAWN FODOR	04-C19E-12	EEEEEEEE	DONALD R. HALL & BEVERLY J. HALL	04-CC23-7		
SSSSSS	JOSHUA A. HOOKER, JOSEPH C. HOOKER, LE BETH HOOKER	04-C19E-14	FFFFFFF	ROBERT EVAN MOZINGO, HERBERT MOZINGO, JEFFERY MOZINGO, CHRISTINE STEIN	04-CC23-11		
TITITI	RALPH W. ROWLAND & WILDA K. ROWLAND	04-C19E-17	GGGGGGGG	Section 1 and 1 an	04-CC23-22		
UUUUUUU	VIRGINIA L. HADDON	04-C19E-19	нининин	Transfer of the second	04-CC23-22		
VVVVV	DONALD K. NORCROSS, LAURA R. NORCROSS BARNES			ROD E. PATTISON & CYNTHIA A. PATTISON	04-CC23-22		
WWWWWW	JACKIE L. FRITZ & KEVIN M. FRITZ	04-C19E-27	HADDELL L. L. L.	RANDALL P. DOLL & KIMBERLY JO DOLL	04-CC23-22		
XXXXXX	ROBERT & BRIANA M. HINKLE (JTWS)	04-C19E-29.1	KKKKKKKKK	LARRY J. GRAY & BARBARA S. GRAY	04-CC23-20		
YYYYYY	CHARLES PAUL ULRICH	04-CC19-88		ARTHUR J. FRIEND (LE NORMA JEAN FRIEND)			
ZZZZZZ	MARY ANN COX	04-CC19-48			04-0023-20		
AAAAAA	JOHN R. CARE & DORIS JUNE CARE	04-CC19-46	ALIALIALIALIALIA (M.IA)	HODENT S. MIGGS & WANDA JO MIGGS	04-CC23-20		

REVISIONS:	COMPANY:	SWN Production Company, LLC	SVA Production C	M R <sup>2</sup> V <sup>+</sup> ° ompany™
	OPERATOR'S WELL #: 47-00	OV ROYALTY TRUST LLC BRK 405H		DATE: 01-29-2020  DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT !

WW-6A1 (5/13) Operator's Well No. OV ROYALTY TRUST LLC BRK 405H

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

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

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

Lease Name or
Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Exhibit "A"

#### 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:	Railey Brooks	
Its:	Landman - SW Appalachia	

#### **EXHIBIT "A"**

#### Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator OV Royalty Trust LLC BRK 405H RECEIVED Office of Oil and Gas Brooke County, West Virginia

FEB 1 1 2020

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG
1)	04-CC22-0041-0000	Gene Charles Valentine Trust dated November 26, 1986	Great Lakes Energy Partners, L.L.C.	14.00%	10/121
		and all amendments thereto	Range Resources Appalachia LLC		20/733
			Chesapeake Appalachia, L.L.C.		10/552
			SWN Production Company, LLC		30/480
2)	04-CC23-0229-0000	Donna Kathryn Hall, a widow	Chesapeake Appalachia, L.L.C.	18.00%	11/317
			SWN Production Company, LLC		30/480
3)	04-CC23-0230-0000	H3 LLC, a West Virginia Limited Liabililty Company, by Michael E. Hoeft, its Manager	SWN Production Company, LLC	18.00%	53/245
		SWN Production Company, LLC (Company Owned Minerals		12.50%	396/555
		3WN Froduction Company, LLC (Company Owned Minerals	)	12.50%	(Mineral Deed)
4)	04-CC23-0005-0000	H3 LLC, a West Virginia Limited Liabililty Company, by Michael E. Hoeft, its Manager	SWN Production Company, LLC	18.00%	54/265
		SWN Production Company, LLC (Company Owned Minerals	;)	12.50%	396/555
		, , , , , , , , , , , , , , , , , , , ,	,		(Mineral Deed)
5)	04-CC23-0006-0000	H3 LLC, a West Virginia Limited Liability Company, by	SWN Production Company, LLC	18.00%	54/265
		Michael E. Hoeft, its Manager			
		SWN Production Company, LLC (Company Owned Minerals	s)	12.50%	396/555
					(Mineral Deed)
6)	04-CC23-0004-0000	H3 LLC, a West Virginia Limited Liabililty Company, by Michael E. Hoeft, its Manager	SWN Production Company, LLC	18.00%	54/265
		SWN Production Company, LLC (Company Owned Minerals	s)	12.50%	396/555
			•		(Mineral Deed)
7)	04-CC19-0013-0000	Eunice Jeanne Dodd, a widow	Chesapeake Appalachia, L.L.C.	18.00%	20/689
			SWN Production Company, LLC		30/480
8)	04-CC19-0006-0000	Daniel McGowan and Marjorie G. McGowan, husband and wife	SWN Production Company, L.L.C.	17.00%	36/777
		H3 LLC, a West Virginia Limited Liabililty Company, by Michael E. Hoeft, its Manager	SWN Production Company, LLC	18.00%	54/265

		SWN Production Company, LLC (Company Owned Minerals)		12.50%	396/555 (Mineral Deed)
9)	04-CC19-0025-0000	Campbell Sheldon Palizzi, a single man	SWN Production Company, L.L.C.	18.00%	40/506
10)	04-CC19-0026-0000	Karen A. Piehs, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	14/144 30/480
		William D. McAleer, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	11/468 30/480
11)	04-CC19-0027-0000	Richard E. Ryan and Carolyn G. Ryan, husband and wife	SWN Production Company, L.L.C.	16.00%	36/432
12)	04-CC18-0033-0000	Brooke County Board of Education, a West Virginia Public Corporation	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	26/181 30/480
13)	04-C19K-0018-0000	Wheeling & Lake Erie Railway Company, a Delaware corporation, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	18.00%	53/702
14)	04-CC19-0038-0000	Brooke County Board of Education, a West Virginia Public Corporation	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	26/181 30/480
15)	04-CC18-0032-0000	The Boffo Family Limited Partnership, a West Virginia Limited Partnership	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	12/82 30/480
16)	04-CC18-0007-0000	The Boffo Family Limited Partnership, a West Virginia Limited Partnership	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	13/469 30/480

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SWN Production Company, LLC

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

January 27, 2020

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

**RE:** SWN's proposed New Well: OV Royalty Trust LLC BRK 405H in Brooke County, West Virginia, Drilling under Lee Road, Cross Creek Road, Rabbit Hill Road, and Jamison Lane.

Dear Ms. Adkins:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Lee Road, Cross Creek Road, Rabbit Hill Road, and Jamison Lane. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Bailey Brougher

Landman - SW Appalachia

SWN Production Company, LLC

Sailey Breight

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WV Department of Environmental Protection

RZ wV+

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

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

2/11/14

Date of Notic	ce Certification: All 140		API No. 4		010 0 7 110 0011
	. 1				O, OV Royalty Trust LLC BRK 405H
			Well Pad	Name:	OV Royalty Trust LLC BRK
Notice has I	oeen given:				
Pursuant to th	e provisions in West Virginia Code §	\$ 22-6A, the Operator has pro	vided the red	quired pa	rties with the Notice Forms liste
	tract of land as follows:				
State:	West Virginia	UTM NAD 83	Easting:	535,347.	423
County:	009- Brooke	UTM NAD 83	Northing:	4,459,54	5.744
District:	Cross Creek	Public Road Acc	cess:	Rabbit Hi	II Road
Quadrangle:	Steubenville East	Generally used i	farm name:	OV Roya	Ity Trust LLC BRK
Watershed:	Painters run of Buffalo Creek				
	Large and the State of the Stat				
Pursuant to V	West Virginia Code § 22-6A-7(b),	every permit application fil	ed under thi	s section	shall be on a form as may
	the secretary, shall be verified and sl				
		시스타다 그렇게 그리는 시고 있다면 뭐 하네요요 하를 하다 때투다 되었다.	the sale of the sa		

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

Pursuant to West Virginia Code § 22-6A, the Option that the Operator has properly served the require *PLEASE CHECK ALL THAT APPLY	perator has attached proof to this Notice Certification and parties with the following:	OOG OFFICE USE ONLY
☐ 1. NOTICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/ NOT REQUIRED
2. NOTICE OF ENTRY FOR PLAT SURV	/EY or ☐ 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)	
4. NOTICE OF PLANNED OPERATION		☐ RECEIVED
5. PUBLIC NOTICE	Office of Oil and Gas	☐ RECEIVED
■ 6. NOTICE OF APPLICATION	FEB 1 1 2020	☐ RECEIVED
_ 0, 1,0,102 0, 12,120,110,1	WV Department of Environmental Protection	

#### 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.

By:

#### Certification of Notice is hereby given:

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

Well Operator: SWN Production Co., LLC

Brittany Woody

Its: Senior Regulatory Analyst

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

Morgantown, WV 26508

304-884-1690 Facsimile:

Email: Brittany\_Woody@swn.com

NOTARX PURLICIPAL SEAL JESSICA L. VANGILDER State of West Virginia Comm. Expires Jul 20, 2020 SWN Production Company, LLC 179 Innovation Dr. Jane Lew, WV 26378 Subscribed and sworn before me this

th day of October, 2019. 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 depprivacyofficer@wv.gov.

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FEB 1 1 2020

4700900307

API NO. 47-009 OPERATOR WELL NO. OV ROYARY TRUST LLC BRK4
Well Pad Name: OV Royalty Trust LLC BRK

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

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 underdo 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.   Address: Po Box 31  Wellsburg, WV 26070  Name: The Gene Charles Velentine Trust of 11/26/95  Address: Debox 31  Wellsburg, WV 26070  Name: OOAL OPERATOR  OOAL OPERATOR	Notice Time Requirement: notice shall be provided no late	r than the filing date of permit application.				
Delivery method pursuant to West Virginia Code § 22-6A-10(b)  PERSONAL  REGISTERED  METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION  Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receptor 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 the surface of the threat on which the well is or is proposed to be cleated; (2) The owners of fercord 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 liand on which the well proposed to be diffiled is located fisc) is known to the underfain 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 proposes well work, if the surface tract is to be used for the placement, construction, enlargement, alternation, repair, removal or abandomient of any impoundment or pit as described in section nine of this article; (5) Any surface owner owner water purveyor who is known to the applicant to what was water well, spring or water supply source located within one thousand five hundred feet of the center of the explication and the placement, construction, enlargement, alternative gas storage field within which the provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storag		3/19/20				
Delivery method pursuant to West Virginia Code § 22-6A-10(b)  PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION  Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receptor of 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 the surface of the tract on which the well is or is proposed to be closeded; (2) The owners of fercord 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 fland on which the well proposed to be diffiled is located fisic is known to be underfain 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 proposes well work, if the surface tract is to be used for the placement, construction, enlargement, alternation, repair, removal or abandomient 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 what was vaster well, spring or water supply source located within one thousand five hundred feet of the center of the explicant 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 stora	PERMIT FOR ANY CERTIFICATE OF	APPROVAL FOR THE				
Delivery method pursuant to West Virginia Code § 22-6A-10(b)  PERSONAL  REGISTERD  METHOD OF DELIVERY THAT REQUIRES A SERVICE  MAIL  RECIPIT OR SIGNATURE CONFIRMATION  Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receptor 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 the surface or 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 the land disturbance as described in the crosion 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 diffied is located [sic] is known to the underfain 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 proposes well work, if the surface tract is to be used for the placement, construction, enlargement, alternation, repair, remove a bendering to be underfain 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 proposes well work, if the surface to the center of the applicant on a 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 tensals in common or other co-owners of interests						
PERSONAL						
Pursuant to W. Va. Code § 22-6A-10(b) no later than the filling 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 main 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 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 lesses, in the event the tract of land on which the well proposed to be drilled is located [sic] is located [sic] (3) The coal owner, operator or lesses, in the event the tract of land on which the well proposed to be drilled is located [sic] is located [sic] (3) The coal owner, owners on a 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 lateration, repair is to be used for the placement, construction, enlargement, alteration, repair envolved provide water for consumption by humans or domestic aminals; 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 my average and the provided to the contrary, notice to a line ho	Delivery method pursuant to west virginia Code § 22-08	4-10(D)				
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 registated 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 the surface tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract is to be used for roads or other land disturbance as described in the crosion 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 the underlain by one or more coal seams; (4) The owners of record of 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 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 subsection (b) of this section hold interes	☐ PERSONAL ☑ REGISTERED ☐ ME	ETHOD OF DELIVERY THAT REQUIRES 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 the surface tract or 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 deal disturbance as described in the crosion and sediment control plan submitted pursuant to subsection (0), 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 inne 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 domessic animals; and (6) The operator of any natural gas storage field within which is used to provide water for consumption by humans or domessic 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 upo	SERVICE MAIL RE	ECEIPT OR SIGNATURE CONFIRMATION				
☐ SURFACE OWNER(s) Name: The Gene Charles Valentine Trust of 11/26/86 Address: PO Box 31 Wellsburg, WV 26070 Name: Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address: ☐ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: Name: Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD Name: Address: ☐ Address: ☐ Address: ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Address: ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD Name: Address:  #Please attach additional forms if necessary.	sediment control plan required by section seven of this article, a the surface of the tract on which the well is or is proposed to be oil and gas leasehold being developed by the proposed well wor described in the erosion and sediment control plan submitted purpoperator or lessee, in the event the tract of land on which the word more coal seams; (4) The owners of record of the surface tract of well work, if the surface tract is to be used for the placement, of impoundment or pit as described in section nine of this article; (have a water well, spring or water supply source located within provide water for consumption by humans or domestic animals; proposed well work activity is to take place. (c)(1) If more than subsection (b) of this section hold interests in the lands, the apprecords of the sheriff required to be maintained pursuant to sect provision of this article to the contrary, notice to a lien holder is Code R. § 35-8-5.7.a requires, in part, that the operator shall all	and the well plat to each of the following persons: (1) The owners of record of located; (2) The owners of record of the surface tract or tracts overlying the rk, if the surface tract is to be used for roads or other land disturbance as ursuant to subsection (c), section seven of this article; (3) The coal owner, cell proposed to be drilled is located [sic] is known to be underlain by one or or tracts overlying the oil and gas leasehold being developed by the proposed onstruction, enlargement, alteration, repair, removal or abandonment of any (5) Any surface owner or water purveyor who is known to the applicant to one thousand five hundred feet of the center of the well pad which is used to and (6) The operator of any natural gas storage field within which the three tenants in common or other co-owners of interests described in dicant may serve the documents required upon the person described in the ion eight, article one, chapter eleven-a of this code. (2) Notwithstanding any not notice to a landowner, unless the lien holder is the landowner. W. Va. so provide the Well Site Safety Plan ("WSSP") to the surface owner and any				
Name: The Gene Charles Valentine Trust of 11/26/86  Address: PO Box 31  Wellsburg, WV 26070  Name: COAL OPERATOR  Name: Address:  SURFACE OWNER(s) (Road and/or Other Disturbance)  Name: Address:  SURFACE OWNER OF WATER WELL  AND/OR WATER PURVEYOR(s)  Name: None  Address:  Address:  OPERATOR OF ANY NATURAL GAS STORAGE FIELD  Name: Address:  Address:  SURFACE OWNER(s) (Impoundments or Pits)  Name: Address:  Address:  SURFACE OWNER OF WATER WELL  AND/OR WATER PURVEYOR(s)  Name: None  Address:  Address:  OPERATOR OF ANY NATURAL GAS STORAGE FIELD  Name: Address:  Address:  **Please attach additional forms if necessary.**	☑ Application Notice ☑ WSSP Notice ☑ E&S Plan No	tice  Well Plat Notice is hereby provided to:				
Name: The Gene Charles Valentine Trust of 11/26/86  Address: PO Box 31  Wellsburg, WV 26070  Name: COAL OPERATOR  Name: Address:  SURFACE OWNER(s) (Road and/or Other Disturbance)  Name: Address:  SURFACE OWNER(s) (Road and/or Other Disturbance)  Name: Address:  SURFACE OWNER OF WATER WELL  AND/OR WATER PURVEYOR(s)  Name: None  Address:  Address:  OPERATOR OF ANY NATURAL GAS STORAGE FIELD  Name: Address:  Address:  Address:  SURFACE OWNER(s) (Impoundments or Pits)  Name: Address:  Address:  **Please attach additional forms if necessary.	☑ SURFACE OWNER(s)					
Wellsburg, WV 26070 Name:  Address:  SURFACE OWNER(s) (Road and/or Other Disturbance) Name:  Address:  SURFACE OWNER(s) (Road and/or Other Disturbance) Name:  Address:  Name:  Name:  Name:  Name:  Address:  OPERATOR  Name:  None  Address:  OPERATOR OF WATER WELL  AND/OR WATER PURVEYOR(s)  Name:  None  Address:  OPERATOR OF ANY NATURAL GAS STORAGE FIELD  Name:  Address:  Address:  SECEIVED  **Please attach additional forms if necessary.	Name: The Gene Charles Valentine Trust of 11/26/86					
Name: Address:  SURFACE OWNER(s) (Road and/or Other Disturbance) Name: Address:  SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: None Address:  OPERATOR OF ANY NATURAL GAS STORAGE FIELD Name: Name: Address:  SURFACE OWNER(s) (Impoundments or Pits) Name: Address:  BECEWED  *Please attach additional forms if necessary.						
Address:    SURFACE OWNER(s) (Road and/or Other Disturbance)   Name:						
Address:    SURFACE OWNER(s) (Road and/or Other Disturbance)   Name:						
□ SURFACE OWNER(s) (Road and/or Other Disturbance)  Name: Address:  Name: Name: None Address: □ OPERATOR OF ANY NATURAL GAS STORAGE FIELD  Name: Name	Address:					
Name: SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: None Address: OPERATOR OF ANY NATURAL GAS STORAGE FIELD SURFACE OWNER(s) (Impoundments or Pits) Name: Address: Address: Address: STORAGE FIELD  Name: Address: Address: **Please attach additional forms if necessary.**	- avine con avine ( ) (b. 1 V. avi B' 1 V.	Address:				
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FEB 1 1 2020

API NO. 47- 009

OPERATOR WELL NO. OV ROSABLY TRUST LLC BRK
Well Pad Name: OV Royally Trust LLC BRK

#### Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

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

#### Well Location Restrictions

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

API NO. 47-009 OPERATOR WELL NO. OV Royalty Trust LLC BRK 420
Well Pad Name: OV Royalty Trust LLC BRK

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

#### Water Well Testing:

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

#### Water Testing Laboratories:

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

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

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

#### Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

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Office of Oil and Gas

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WV Department of

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

WW-6A (8-13)

API NO. 47-009

OPERATOR WELL NO. OV Royaky Trust LLC BRK AND
Well Pad Name: OV Royalty Trust LLC BRK

#### Time Limits and Methods for Filing Comments.

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

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

#### **Comment Requirements**

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

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

#### Permit Denial or Condition

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

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

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

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



WW-6A (8-13)

API NO. 47-009 OPERATOR WELL NO. OV Royalty Trust LLC BRK 420
Well Pad Name: OV Royalty Trust LLC BRK

Notice is hereby given by:

Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610

Email: Brittany\_Woody@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

#### Oil and Gas Privacy Notice:

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

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

Subscribed and sworn before me this 17th day of 0tt, 2019.

Subscribed and sworn before me this 17th day of 0tt, 2019.

Notary Public My Commission Expires 1-70-70

Office of Oil and Gas
FEB 1 1 2020
WV Department of Environmental Protection

Operator Well No. OV Royalty Trust LLC BRK

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

Date of Notic	e: 9/30/2019	Date of Plan	nned Entry: 10/7/2019				
Delivery metl	hod pursuant	to West Virginia C	ode § 22-6A-10a				
☐ PERSON	IAL I	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	EOUIRES A		
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on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, which enable the surfa-	ce tract to condian forty-five direct that has filerals underlying Control Manuach statement of face owner to control of the c	luct any plat survey ays prior to such en ed a declaration pur such tract in the co al and the statutes an hall include contact btain copies from the	s required pursuant to this are try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notice and rules related to oil and gas information, including the a	ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of 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	0:					
SURFAC	E OWNER(s)	/	■ COA	LOWNER OR LE	SSEE		
Name: OV Royal	lly Trust		Name: OV	Name: OV Royalty Trust			
Address: PO Bo				Address: PO Box 31			
Wellsburg, WV 2607	70		Wellsburg, Wy	Wallsburg, WV 26070			
Name: Address:			■ MINI	RAL OWNER(s)	7		
				Name: OV Royalty Trust			
				Address: PO Box 31			
Address:				Wellsburg, WV 26070 *please attach additional forms if necessary			
a plat survey o State:	est Virginia Co	ide § 22-6A-10(a), r and as follows:	Approx. Latit	ude & Longitude:	l operator is planning entry to conduct		
County:	Brocke:		Public Road A	Access:	Rabbit Hill Road		
District:	Buffalo.		Watershed:	i e	Lower Buffalo Creek		
Quadrangle:	Steubenville East		Generally use	d farm name:	OV Royalty Trust LLC		
may be obtaine Charleston, W	ed from the Sec V 25304 (304	cretary, at the WV I 926-0450). Copies	Department of Environmenta	l Protection headquonal information re	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be		
Notice is her	eby given by						
Well Operator		ION COMPANY, LLC	Address:	1300 Fort Pierpont Dr.,	Suite 201		
well Operator							
Ven Operator Telephone:	304-884-1610			Morgantown, WV 26508			

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 awv.gov.

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entry		Date of Plan			ys out no more than	B FORT Y-FIVE (45) days prior to	
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			21		y Beth Barrett	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Vame:			9		4009 Patriot Road SE		
Address:			-	Amsterdam, OH 43903 *please attach additional forms if necessary			
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	Steubenville East			Generally use	d farm name:	OV Royally Trust LLC	
may be obtaine Charleston, W	ed from the Se V 25304 (304	cretary, at the WV D	Department of of such docu	Environmenta ments or addit	l Protection headquional information r	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be	
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	eby given by			Address	4000 1000 1000 1000		
Well Operator	304-884-1610	TION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,		
Tolonkono.					Morgantown, WV 26508		
Telephone: Email:	Brittany_Woody(			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

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

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Rabbit Hill Road			
Creek			
OV Royalty Trust LLC			
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Oil and Gas Privacy Notice:

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Operator Well No. OV Royalty Trust LLC BRK

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

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

entry Date of No	tice: 9/30/2019	Date of Pla	nned E	ntry: 10/7/2019				
Delivery m	ethod pursua	nt to West Virginia C	ode § 2	2-6A-10a				
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Notice is h	ereby provide	d to:		Charle				
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17			_	Name: Jan				
Name:			_	And the second section of	Address: 2915 Glenwood Ave Moundsville, WV 26041			
Address, _					h additional forms if ne	cessary		
Pursuant to a plat surve State: County:		: a Code § 22-6A-10(a), of land as follows:		Approx. Latit	ude & Longitude:	operator is planning entry to conduct 40.285455, -80.583997 Rabbit Hill Road		
District:	Buffalo			Watershed:		Lower Buffalo Creek		
Quadrangle	Steubenville Ea	ast		Generally use	d farm name:	OV Royalty Trust LLC		
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Charleston, obtained from Notice is I Well Opera	hereby given tor: SWN PROD	DUCTION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,			
Charleston, obtained from Notice is	hereby given tor: SWN PROD 304-884-16	DUCTION COMPANY, LLC		Address:	1300 Fort Pierpont Dr., Morgantown, WV 26508 \$04-884-1690			

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

FEB 1 1 2020

Office of Oil and Gas

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

		quirement;	rouge state of pro-	ded at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
entr Dat	te of Notice:	9/30/2019	Date of Plan	ned Entry: 10/7/2019
Del	ivery metho	d pursuant i	to West Virginia C	de § 22-6A-10a
П	PERSONA		REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
_	SERVICE		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to but ben own and Sec ena	to the surface no more than eath such trace ner of minera Sediment Co retary, which ble the surface	tract to cond forty-five do to that has fill Is underlying ontrol Manual statement sloe e owner to co	duct any plat surveys ays prior to such end ed a declaration pur g such tract in the co all and the statutes and hall include contact obtain copies from the	rior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days by to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams uant to section thirty-six, article six, chapter twenty-two of this code; and (3) any many tax records. The notice shall include a statement that copies of the state Erosion arules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary.
	tice is hereby		0:	
П	almutana and			☐ COAL OWNER OR LESSEE
Nar	me:			Name:
Add				
Nar	ne:			A Charles of Contract of
Add	dress:			I MINERAL OWNER(S)
_				
Nai	ne:			Address: 16355 Log Cabin Road
Add	dress:			Athens, WV 15611 **please attach additional forms if necessary
_				please attach additional forms if necessary
No	tice is herel	ov given:		
Pur	suant to West	t Virginia Co	de § 22-6A-10(a), r	otice is hereby given that the undersigned well operator is planning entry to conduct
			and as follows:	
Sta	1111	est Virginia		Approx. Latitude & Longitude: 40.285455, -80.583997
				Public Road Access: Rabbit Hill Road
Dis	trict: Bu	ıffalo		Watershed: Lower Buffalo Creek
				Campunity rised forms name: OV Daville Tent IIC
	adrangle: Si	eubenville East		Generally used farm name: OV Royally Trust LLC
Qua Con may Cha	pies of the sta y be obtained arleston, WV	te Erosion at from the Se 25304 (304	nd Sediment Contro cretary, at the WV I -926-0450). Copies	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street, SE, of such documents or additional information related to horizontal drilling may be <a href="https://www.gov/oil-and-gas/pages/default.aspx">www.gov/oil-and-gas/pages/default.aspx</a> .
Coj maj Cha obta	pies of the sta y be obtained arleston, WV ained from th	te Erosion a from the Se 25304 (304 e Secretary l	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting www.der	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street, SE, of such documents or additional information related to horizontal drilling may be
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Con may Cha obta No We	pies of the sta y be obtained arleston, WV ained from th tice is herel ill Operator:	te Erosion a from the Se 25304 (304 e Secretary l by given by swn product	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting www.der	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57th Street, SE, of such documents or additional information related to horizontal drilling may be <a href="https://www.gov/oil-and-gas/pages/default.aspx">www.gov/oil-and-gas/pages/default.aspx</a> .  Address: 1300 Fort Pierpont Dr., Suite 201
Qua Cop may Cha obta No We Tel	pies of the sta y be obtained arleston, WV ained from th	te Erosion a from the Se 25304 (304 e Secretary l	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting www.der company, LLC	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57th Street, SE, of such documents or additional information related to horizontal drilling may be wv.gov/oil-and-gas/pages/default.aspx.

Oil and Gas Privacy Notice:

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

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

entry Date of Notic	ce: 9/30/2019	Date of Pla	med Entry: 10/7/2019
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
			RECEIPT OR SIGNATURE CONFIRMATION
on to the surf out no more to beneath such owner of min and Sediment Secretary, who	ace tract to cond han forty-five d tract that has fil erals underlying t Control Manua tich statement sl	duct any plat survey ays prior to such en led a declaration pur g such tract in the co al and the statutes ar	rior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days ry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any unty tax records. The notice shall include a statement that copies of the state Erosic d rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to e secretary.
lotice is her	eby provided to	0:	
☐ SURFAC	CE OWNER(s)		☐ COAL OWNER OR LESSEE
Vame:			Name:
ddress:	- Inc. of Haber		Address:
Vame:			
Address:			MINERAL OWNER(s)
			Name: Christina M. Garrett
vame:			Address: 73 Lake Road
ruutess			Valley Grove, WV 26060 *please attach additional forms if necessary
Pursuant to Wa plat survey State: County: District:	on the tract of la West Virginia Brooke Buffalo	and as follows:	Public Road Access: Rabbit Hill Road  Watershed: Lower Buffalo Creek
Quadrangle:	Steubenville East		Generally used farm name: OV Royalty Trust LLC
may be obtain Charleston, V	ned from the Sec VV 25304 (304	cretary, at the WV I -926-0450). Copies	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57th Street, SE, of such documents or additional information related to horizontal drilling may be <a href="https://www.gov/oil-and-gas/pages/default.aspx">www.gov/oil-and-gas/pages/default.aspx</a> .
Tulker to T			
	reby given by		Address
Mall ()mamman		TION COMPANY, LLC	Address: 1300 Fort Pierpont Dr., Suite 201
			Morganlown, WV 26508
Well Operato Γelephone: Email:	304-884-1610 Brittany_Woody@	5-0-1-1-1-1	Facsimile: 304-884-1690

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Office or Oil and Gas

entry				ys out no more ma	n FORTY-FIVE (45) days prior to	
Date of Noti	ce: 9/30/2019	Date of Plan	nned Entry: 10/7/2019			
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	EOUIRES A	
		RECEIPT OR SIGN				
on to the suri but no more beneath such owner of mir and Sedimen Secretary, wi	face tract to cond than forty-five d tract that has fil terals underlying t Control Manua tich statement sl	duct any plat surveys ays prior to such end led a declaration pur g such tract in the co al and the statutes an	s required pursuant to this are try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notice and rules related to oil and gas information, including the a	rticle. Such notice of such tract; (2) rticle six, chapter the shall include a state of the same of th	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 her	eby provided to	0;				
☐ SURFA	CE OWNER(s)		□ coa	L OWNER OR LE	SSEE	
				Name:		
Address:			Address:	Address:		
Name:			- P	ERAL OWNER(s)		
1001000.			_ willy	Name: Alicia Howard		
K. Phys. Lett. 1			Address:	12 Cobblesione Drive		
Address:			Valley Grove,	Valley Grove, WV 26060		
			*please attac	h additional forms if ne	cessary	
Pursuant to V a plat survey State:	on the tract of la West Virginia	and as follows:	Approx. Latit	ude & Longitude:	doperator is planning entry to conduct  40.285455, -80.583997	
Pursuant to V a plat survey State: County:	Vest Virginia Co on the tract of la West Virginia Brooke	and as follows:	Approx. Latit	ude & Longitude:	40.285455, -80.583997 Rabbit Hill Road	
Pursuant to V a plat survey State: County: District:	Vest Virginia Co on the tract of la West Virginia Brooke Buffalo	and as follows:	Approx. Latit Public Road A Watershed:	ude & Longitude: Access:	40.285455, -80.583997	
Pursuant to Va plat survey State: County: District: Quadrangle: Copies of the may be obtai Charleston, V	Vest Virginia Co on the tract of le West Virginia Brooke Buffalo Steubenville East  state Erosion an ned from the See VV 25304 (304	and as follows:  and Sediment Control cretary, at the WV E -926-0450). Copies	Approx. Latit Public Road A Watershed: Generally use I Manual and the statutes an Department of Environmenta	ude & Longitude: Access:  d farm name:  d rules related to o ll Protection headq ional information r	40.285455, -80.583997 Rabbit Hill Road Lower Buffalo Creek	
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Pursuant to Va plat survey State: County: District: Quadrangle: Copies of the may be obtai Charleston, Vobtained from	Vest Virginia Co on the tract of le West Virginia Brooke Buffalo Steubenville East  state Erosion an ned from the See VV 25304 (304 n the Secretary bereby given by	and as follows:  and Sediment Control cretary, at the WV E -926-0450). Copies by visiting www.dep	Approx. Latit Public Road A Watershed: Generally use  I Manual and the statutes an Department of Environmenta of such documents or addit owv.gov/oil-and-gas/pages/o	ude & Longitude: Access:  d farm name:  d rules related to o ll Protection headq ional information r	40.285455, -80.583997  Rabbit Hill Road  Lower Buffelo Creek  OV Royalty Trust LLC  il and gas exploration and production uarters, located at 601 57th Street, SE, elated to horizontal drilling may be	

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Office of Oil and Gas

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

Date of Notic	e: 9/30/2019	Date of Pla	nned Entry: 10/7/2019				
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a				
	ERSONAL REGISTERED DERVICE MAIL		☐ METHOD OF DEL RECEIPT OR SIGN		1 To		
on to the surfi but no more to beneath such owner of min and Sediment Secretary, when enable the sur	ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement sl face owner to co	luct any plat survey ays prior to such en ed a declaration put such tract in the co al and the statutes ar all include contact btain copies from the	s required pursuant to this ar try to: (1) The surface owner suant to section thirty-six, a punty tax records. The notice and rules related to oil and gas information, including the a	ticle. Such notice s of such tract; (2) the rticle six, chapter the e shall include a state s exploration and p.	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to		
Notice is her	eby provided to	);					
☐ SURFAC	☐ SURFACE OWNER(s)		☐ COA	LOWNER OR LE	SSEE		
Name:	Vame:		Name:	Name:			
Address:			_ Address:	Address:			
Name:	Name:Address:			MINERAL OWNER(s)			
			_ Name: Tar	Name: Tara Keely			
Name:			_ Address:	Address: PO Box 247			
Address				Great Valley, NY 14741. *please attach additional forms if necessary			
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), n a plat survey on the tract of land as follows: State: West Virginia County: Brooke District: Buffalo Quadrangle: Steubenville East		Approx. Latin	ude & Longitude: Access:	operator is planning entry to conduct 40.285455, -80.583997 Rabbit Hill Road Lower Buffalo Creek OV Royalty Trust LLC			
C	1	1000-1000-1000-1000-		A COUNTY OF STREET	Y-10-4		
may be obtain Charleston, W	ned from the Se V 25304 (304	cretary, at the WV I -926-0450). Copies	Department of Environmenta	l Protection headquonal information r	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be		
	rehy given hy						
Notice is he		TON COMPANY, LLC	Address:	1300 Fort Pierpont Dr.,	Suite 201		
	SWN PRODUCT			and the same of the same of the			
Notice is he Well Operato Telephone:	304-884-1610			Morgantown, WV 26508			

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RECEIVED Office or Cit and Gas.

	equirement:	Notice shall be prov	ided at least SEVEN (7) da	sys but no more than	n FORTY-FIVE (45) days prior to	
entry  Date of Notice:	9/30/2019	Date of Plan	ned Entry: 10/7/2019			
Delivery metho	od pursuant i	to West Virginia Co	ode § 22-6A-10a			
☐ PERSONA	AL I	REGISTERED	☐ METHOD OF DE	ETHOD OF DELIVERY THAT REQUIRES A		
SERVICE		MAIL	RECEIPT OR SIG			
on to the surface but no more that beneath such tra owner of miner and Sediment C Secretary, whice	e tract to cond an forty-five d act that has fil als underlying Control Manua th statement sl	duct any plat surveys ays prior to such ent ed a declaration pur- g such tract in the co- il and the statutes an	required pursuant to this a ry to: (1) The surface owner suant to section thirty-six, a unty tax records. The notion of rules related to oil and ga information, including the a	rticle. Such notice s er of such tract; (2) rticle six, chapter to be shall include a sta s exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to	
Notice is hereb	y provided to	0:				
☐ SURFACE	OWNER(s)		□ coA	L OWNER OR LE	SSEE	
Name:			Name:	Name:		
Address:			Address:	Address:		
Name:			1 (			
Address:			■ MIN	MINERAL OWNER(s)		
			Name: Bu	rton R. Lauck		
Name:			Address:	Address: 6067 Ferris Road		
Address:			Ealon Rapids	Eaton Rapids, MI 48827 *please attach additional forms if necessary		
-			*please atta	en additional forms it ne	cessary	
a plat survey or State:	st Virginia Co		Approx. Lati	tude & Longitude:	l operator is planning entry to conduct 40.285455, -80.583997 Rabbit Hill Road	
CECC 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Buffalo		Watershed:		Lower Buffalo Creek	
Quadrangle:	Steubenville East		Generally us	ed farm name:	OV Royalty Trust LLC	
may be obtaine Charleston, WV	d from the Set V 25304 (304 he Secretary lands by given by	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	epartment of Environment	al Protection headq tional information r	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be	
Telephone:	304-884-1610	200		Morgantown, WV 26508		
Email:	Brittany_Woody(	@swn.com	Facsimile:	304-884-1690		
Oil and Gas I	Privacy Not	ice:				

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RECEIVED Office of Oil and Gas

	equirement:	Notice shall be prov	ided at least SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to		
entry  Date of Notice:	9/30/2019	Date of Plan	nned Entry: 10/7/2019				
Delivery meth	od pursuant	to West Virginia C	ode § 22-6A-10a				
□ ppppox		REGISTERED	T ACCUSED OF DEL	SPECT THAT DE	OUTBER A		
PERSONA		MAIL	METHOD OF DEL RECEIPT OR SIGN				
SERVICE		MAIL	RECEIPT OR SIGN	IATURE CONFIR	WATION		
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Notice is hereb			П сом	OWNER OR LE	cere		
LJ SURFACE	at the second second second second						
Name:			Address	Name:			
Address.				1.114,000			
Name:							
Address:				ERAL OWNER(s)			
			Name: Curl	liš J. Lauck 403 E. Elizabeth Street			
Name:			_ Address:				
Address.			*please attacl	Eaton Rapids, MI 48827 *please attach additional forms if necessary			
a plat survey or State:	st Virginia Co		Approx. Latit	ude & Longitude:	l operator is planning entry to conduct 40.285455, -80.583997		
-	Brooke		Public Road A	Access:	Rabbit Hill Road		
-	Buffalo		Watershed:	J Come wante.	Lower Buffalo Creek		
Quadrangle: _s	Steubenville East		Generally use	Generally used farm name: OV Royally Trust LLC			
may be obtaine Charleston, WV	d from the Se 25304 (304 the Secretary by eby given by	cretary, at the WV I 1-926-0450). Copies by visiting <u>www.de</u>	Department of Environmenta	I Protection headq ional information r	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be		
Telephone:	304-884-1610	HOLE COME MEET LEC		Morgantown, WV 26508			
The second second	201 224 1010						
Email:	Brittany_Woody	@swn.com	Facsimile:	304-884-1690			

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PECEIVED Office of Oil and Gas

	equirement:	Notice shall be prov	vided at least SEVEN (7)	days but no more tha	an FORTY-FIVE (45) days prior to	
entry  Date of Notice	9/30/2019	Date of Plan	nned Entry: 10/7/2019			
Delivery meth	od pursuant	to West Virginia C	ode § 22-6A-10a			
☐ PERSON	AT.	REGISTERED	☐ METHOD OF D	ELIVERY THAT R	EOLIBES A	
				GNATURE CONFI		
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Notice is herel		0:	180			
☐ SURFACE				AL OWNER OR LE		
Name:			Name:	Name:		
Address:			Address	Address:		
Name:			حصت اد			
Address:			■ м	NERAL OWNER(s)		
				Randal J. Lauck		
Name:			Address	3786 Delano Drive		
Address:			Eaton Rap	Eaton Rapids, MI 48827		
			_ *please a	tach additional forms if no	ecessary	
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is he a plat survey on the tract of land as follows: State: West Virginia County: Brooke District: Buffalo Quadrangle: Steubenville East		Approx. La Public Roa Watershed	titude & Longitude: d Access:			
may be obtained Charleston, WV obtained from t Notice is here Well Operator: Telephone:	d from the Sei / 25304 (304 he Secretary be by given by SWN PRODUCT 304-884-1610	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u> c:	Department of Environme of such documents or ad Department of ad Department of Environments or ad Department of Environments or ad Department of Environment of Env	ntal Protection headq ditional information in s/default.aspx. 1300 Fort Plerpont Dr., Morgantown, WV 2650		
Email:	Brittany_Woody@	@swn.com	Facsimile	304-884-1690		
Oil and Cas )						

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RECEIVED Office of Oil and Gas

Operator Well No. OV Royally Trust LLC BRK

## 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	C6; 3/20/2019	Date of Pla	ned Entry: 107/2019			
Delivery met	hod pursuant	to West Virginia C	de § 22-6A-10a			
☐ PERSON	NAL D	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A			
SERVIC		MAIL	RECEIPT OR SIGNATURE CONFIRMATION			
on to the surfa but no more the beneath such owner of min- and Sediment Secretary, wh	ace tract to con- han forty-five d tract that has fi erals underlying Control Manua ich statement s	duct any plat survey lays prior to such en led a declaration pu g such tract in the co al and the statutes ar	rior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days y to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams uant to section thirty-six, article six, chapter twenty-two of this code; and (3) any mity tax records. The notice shall include a statement that copies of the state Erosion rules related to oil and gas exploration and production may be obtained from the aformation, including the address for a web page on the Secretary's web site, to execretary.			
Votice is here	eby provided t	0:				
☐ SURFAC	CE OWNER(s)		☐ COAL OWNER OR LESSEE			
Name:			Name:			
Address:			Address:			
Name:						
Address:			MINERAL OWNER(s)			
			Name: Alfred C. Leist			
Name:			Address: 3366 Edgewood Drive			
Address:			Woosler, OH 44691 *please attach additional forms if necessary			
	est Virginia Co	and as follows:	Public Road Access Pahia Hill Bood			
District:	Buffalo		Watershed: Lower Buffalo Creek			
Quadrangle:	Sleubenville East		Generally used farm name: OV Royalty Trust LLC			
may be obtain Charleston, Wobtained from Notice is her	ned from the Se 7V 25304 (304 the Secretary I reby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u>	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57th Street, SE, of such documents or additional information related to horizontal drilling may be wv.gov/oil-and-gas/pages/default.aspx.  Address: 1300 Fort Pierpont Dr., Suite 201			
Well Operator	- Wanter State of the State of					
Well Operator Felephone:	304-884-1610		Morgantown, WV 26508			

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

	reflers contents	ronce man be prov	rided at least SEVEN (7) day	ys but no more tha	n FORTY-FIVE (45) days prior to			
entry  Date of Notice	9/30/2019	Date of Plan	nned Entry: 10/7/2019					
Delivery meth	od pursuant t	to West Virginia C	ode § 22-6A-10a					
☐ PERSON	AT.	REGISTERED	☐ METHOD OF DEL	TVEDV THAT DE	COLUBBE			
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Notice is herel		):	Поом	ONDED OD LE	ages.			
	E OWNER(s)			☐ COAL OWNER OR LESSEE				
Address:			Name: Address:	Name:				
Name:			- El	m i i ond mil				
			_ MINE	MINERAL OWNER(s) Name: Frederic Scott Makara				
A 4			Name: Free	denc Scott Makara 1529 Round Bottom Hill R	parl			
			Moundsville, V		02.0			
			*please attacl	h additional forms if ne	cessary			
	hv elver							
a plat survey or State: County:	est Virginia Co n the tract of la West Virginia Brooke	and as follows:	Approx. Latiti	ude & Longitude:	l operator is planning entry to conduct  40.285455, -80.583997  Rabbit Hill Road			
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Oil and Gas Privacy Notice:

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

Office of Oil and Gas

	equirement:	Notice shall be prov	ided at least S	EVEN (7) da	ys but no more that	n FORTY-FIVE (45	) days prior to	
entry  Date of Notice:	9/30/2019	Date of Plan	nned Entry: 1	0/7/2019				
Delivery metho	od pursuant	to West Virginia C	ode § 22-6A-1	0a				
☐ PERSONA	AL I	REGISTERED	☐ METH	HOD OF DEL	IVERY THAT RE	EOUIRES A		
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Notice is hereb	y provided to	0:						
☐ SURFACE	OWNER(s)			☐ COA	LOWNER OR LE	SSEE		
Name:				Name:				
Address:				Address:				
Name:			3					
Address:			-		ERAL OWNER(s)			
Maria			-		orge Michael Makara			
Name:			-		36 Fuller Road			
Address.			_	Moundsville, V *please attac	yv 26041 h additional forms if ne	cessary		
a plat survey on State: V County:	st Virginia Co the tract of la Vest Virginia Grooke			Approx. Latit Public Road A	ude & Longitude:	l operator is planning 40.285455, -80.583997 Rabbit Hill Road	entry to conduct	
	luffalo			Watershed:	4.50	Lower Buffalo Creek		
Quadrangle: s	teubenville East			Generally use	d farm name:	OV Royalty Trust LLC		
may be obtained Charleston, WV	from the Sec 25304 (304	cretary, at the WV D	Department of I of such docum	Environmenta nents or addit	l Protection headquional information r	il and gas exploration uarters, located at 60' elated to horizontal d	57th Street, SE,	
Notice is here	by given by							
Well Operator:		TION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,	Suite 201		
Telephone:	304-884-1610			**************************************	Morgantown, WV 26508			
Email:	Brittany_Woody@	Dswn.com		Facsimile:	304-884-1690	,		
Oil and Cas F								

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Office of Oil and Gas

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

Date of 1100	ice: 9/30/2019	Date of Plan	nned E	ntry: 10/7/2019					
Delivery m	ethod pursuant	to West Virginia C	ode§2	2-6A-10a					
☐ PERSO	ONAL I	REGISTERED	П	METHOD OF DEL	IVERY THAT RE	FOLURES A			
SERVI		MAIL	,	RECEIPT OR SIGN					
on to the sur but no more beneath such owner of mi and Sedimer Secretary, we enable the s	face tract to con than forty-five of tract that has finerals underlying the Control Manu- thich statement surface owner to o	duct any plat survey, days prior to such en- iled a declaration pur g such tract in the co al and the statutes and shall include contact obtain copies from the	s requir try to: ( suant to unty ta: d rules informa	ed pursuant to this are  1) The surface owner  2) section thirty-six, are  3x records. The notice  3x related to oil and gas  4x tion, including the are	ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of shall be provided at lead to any owner or lessee wenty-two of this code atement that copies of the production may be obtated age on the Secretary's	st seven days of coal seams ; and (3) any the state Erosion ined from the		
Notice is he	reby provided t	:0;							
☐ SURFA	CE OWNER(s)			☐ COA	LOWNER OR LE	SSEE			
Name:			5.	Name:	Name;				
Address:			3	Address:	Address:				
Name:			-						
Address: _			-		ERAL OWNER(s)		/		
VT. V				Name: Cyr	nthia McCloskey				
Name:			-	The state of the s	Address: 3210 West Buttford AVe				
Name: Address:			7		Greenfield, WI 53221 *please attach additional forms if necessary				
Pursuant to a plat surve State:	ereby given: West Virginia C on the fract of I West Virginia Brooke		otice is		ude & Longitude:	I operator is planning e 40.285455, -80.583997 Rabbit Hill Road	entry to conduct		
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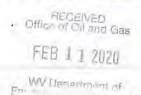
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Office of Oil and Gas

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

Not entr	The second second second second second	uirement:	Notice shall be prov	rided at least SEVEN (7) da	ays but no more that	n FORTY-FIVE (45) days p	prior to		
Dat	e of Notice: 9/3	30/2019	Date of Plan	nned Entry: 10/7/2019					
Del	very method	pursuant t	o West Virginia C	ode § 22-6A-10a					
	PERSONAL		REGISTERED	☐ METHOD OF DE	LIVERY THAT RE	EOUIRES A			
	SERVICE		MAIL		NATURE CONFIR	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
on to but ben owr and Sec.	o the surface to no more than f eath such tract er of minerals Sediment Con- etary, which s	ract to cond orty-five dathat has fil underlying trol Manua tatement sh	luct any plat survey: ays prior to such ent ed a declaration pur such tract in the co I and the statutes an	s required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a bunty tax records. The notice and rules related to oil and gate information, including the	article. Such notice ser of such tract; (2) article six, chapter to shall include a state exploration and p	shall provide notice of plant shall be provided at least sevents to any owner or lessee of coa- wenty-two of this code; and of atement that copies of the sta- roduction may be obtained finge on the Secretary's web si	en days al seams (3) any ate Erosion from the		
Not	ice is hereby p	provided to	):						
	SURFACE O	WNER(s)		□ coa	L OWNER OR LE	SSEE			
Nan	ne:	Dr. Par		Name:	Name:				
Add	ress:			_ Address:	Address:				
					to topic to the second		•		
Add	ress:			■ MIN	■ MINERAL OWNER(s)				
				_ Name: Ga	Name: Garnet Middap				
Nan	ie:			_ Address:	Address: 4019 Fish Creek Road				
Adc	ress:				Proctor, WV 26055  *please attach additional forms if necessary				
Purs a pla Stat	at survey on the	Virginia Co e tract of la t Virginia	de § 22-6A-10(a), n nd as follows:	Approx. Lati	tude & Longitude:	operator is planning entry to 40.285455, -80.583997 Rabbit Hill Road	o conduct		
Dist	rict: Buffa			Watershed:	897.1224	Lower Buffalo Creek			
Qua	drangle: Steut	benville East		Generally us	ed farm name:	OV Royalty Trust LLC			
	be obtained fr rleston, WV 2	rom the Sec 5304 (304-	retary, at the WV E 926-0450). Copies y visiting <u>www.dep</u>	Department of Environment	al Protection headquitional information r	il and gas exploration and pro parters, located at 601 57 <sup>th</sup> St elated to horizontal drilling n	treet, SE,		
Cha obta Not Wel	ice is hereby I Operator: su	-	ON COMPANY, LLC	Address;	1300 Fort Pierpont Dr.,	Suite 201			
Cha obta Not Wel	ice is hereby  Operator: 50  phone: 30	-		Address;	1300 Fort Pierpont Dr., Morganlown, WV 26508				

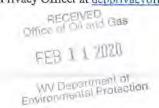
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#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

	Requirement:	Notice shall be prov	vided at least SEVEN (7) da	ys but no more than	n FORTY-FIVE (45	() days prior to		
entry  Date of Notice	9/30/2019	Date of Plan	nned Entry: 10/7/2019					
Delivery meth	od pursuant	to West Virginia C	ode § 22-6A-10a					
☐ PERSON	AL 🔳	REGISTERED	☐ METHOD OF DEI	IVERY THAT RE	EOUIRES A			
SERVICE		MAIL	RECEIPT OR SIGN					
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Notice is herel	300.54	0:						
☐ SURFACE	E OWNER(s)		☐ COA	L OWNER OR LE				
Name:			Name:	Name:				
Address:				Address:				
Name:								
Address:			min.	ERAL OWNER(s)		1		
			_ Name: Gra	ace M. Midcap				
Name:			Address:	11321 Cedar Springs Roa	d	-		
Address:			Blakely; GA 3					
			_ *please attac	h additional forms if ne	ecessary			
a plat survey or	est Virginia Co		notice is hereby given that the	ne undersigned wel		entry to conduct		
County:	Brooke		Dublia Dand		Rabbit Hill Road			
-	Buffalo		Watershed:		Lower Buffalo Creek			
Quadrangle:	Steubenville East		Generally use	ed farm name:	OV Royalty Trust LLC			
may be obtained Charleston, W	ed from the Se V 25304 (304	cretary, at the WV I -926-0450). Copies	I Manual and the statutes an Department of Environments of such documents or addit n.wv.gov/oil-and-gas/pages/	al Protection headquional information r	uarters, located at 60	157th Street, SE,		
obtained from								
	eby given by							
Notice is here Well Operator:			Address:	1300 Fort Pierpont Dr.	Suite 201			
Notice is her		TION COMPANY, LLC	Address:	1300 Fort Pierpont Dr., Morgantown, WV 26508				

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

entry Date of Notice:				ys out no more ma	n FORTY-FIVE (45) days prior to		
	9/30/2019	Date of Plan	ned Entry: 10/7/2019				
Dalivary mathe		to West Virginia C					
beavery memo	ou pursuant i	o west virginia C	nue 9 22-0A-10a				
☐ PERSONA	AL I	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	EQUIRES A		
SERVICE		MAIL	RECEIPT OR SIGN	NATURE CONFIR	MATION		
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which enable the surfa	e tract to cond in forty-five d act that has fil als underlying ontrol Manua h statement sl ce owner to o	luct any plat surveys ays prior to such enter ed a declaration pur such tract in the co Il and the statutes an all include contact btain copies from the	required pursuant to this are ry to: (1) The surface owner suant to section thirty-six, a anty tax records. The notice d rules related to oil and gas information, including the a	ticle. Such notice s r of such tract; (2) rticle six, chapter to e shall include a sta s exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion troduction may be obtained from the age on the Secretary's web site, to		
Notice is hereb		:					
☐ SURFACE OWNER(s)				☐ COAL OWNER OR LESSEE			
Name:			Name:	Name:			
Address:			Address:				
Name:							
Address:			I MINE	ERAL OWNER(s)	/		
			Name: Jen	y Wayne Midcap			
Name:			. Address:	PSC 473 Box 8			
Address:			FPO AP, 9634	9 h additional forms if ne	ecessary		
a plat survey on State: v County: B District: 8	st Virginia Co the tract of la Vest Virginia Brooke		Approx. Latit Public Road / Watershed:	ude & Longitude: Access:	l operator is planning entry to conduct  40.285455, -80.583997  Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC		
Copies of the sta may be obtained Charleston, WV	ate Erosion ar I from the Sec 25304 (304- he Secretary b	nd Sediment Control cretary, at the WV I -926-0450). Copies by visiting www.dep	Manual and the statutes an epartment of Environmenta	d rules related to or il Protection headquional information r	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, related to horizontal drilling may be		
Notice is here Well Operator:		A STATE OF THE STA		1000 TOILT SEIPONE DIA	Suite 201		
		ION COMPANY, LLC	Audi 035.	Morgantown, WV 26508			

Oil and Gas Privacy Notice:

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Office of Oil and Gas

FEB I 1 2020

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

	ast SEVEN (7) days but no more than FORTY-FIVE (45) days prior to				
Date of Notice: 9/30/2019 Date of Planned Entr	ry: 10/7/2019				
Delivery method pursuant to West Virginia Code § 22-	6A-10a				
☐ PERSONAL ■ REGISTERED ☐ M	ÆTHOD OF DELIVERY THAT REQUIRES A				
	ECEIPT OR SIGNATURE CONFIRMATION				
on to the surface tract to conduct any plat surveys required but no more than forty-five days prior to such entry to: (1) beneath such tract that has filed a declaration pursuant to so owner of minerals underlying such tract in the county tax r and Sediment Control Manual and the statutes and rules re-	ing a permit application, the operator shall provide notice of planned entry pursuant to this article. Such notice shall be provided at least seven days. The surface owner of such tract; (2) to any owner or lessee of coal seams ection thirty-six, article six, chapter twenty-two of this code; and (3) any ecords. The notice shall include a statement that copies of the state Erosion lated to oil and gas exploration and production may be obtained from the on, including the address for a web page on the Secretary's web site, to y-				
☐ SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE				
Name:	Name:				
Address:	Address:				
Name:	MINERAL OWNER(s)  Name: Paul Alan Midcap  Address: 115 Karen DRive				
Address:	Washington, PA 15301				
	*please attach additional forms if necessary				
Notice is hereby given:  Pursuant to West Virginia Code § 22-6A-10(a), notice is he a plat survey on the tract of land as follows:  State: West Virginia County: Brooke District: Buffalo Quadrangle: Steubenville East	Approx. Latitude & Longitude:  Public Road Access:  Watershed: Generally used farm name:  Approx. Latitude & Longitude:  40.285455, -80.583997  Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC				
may be obtained from the Secretary, at the WV Departmen Charleston, WV 25304 (304-926-0450). Copies of such dobtained from the Secretary by visiting					

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Office of milliand Gas

WV Department of Environmental Explection

Notice Time R	equirement:	Notice shall be prov	ided at	least SEVEN (7) da	ys but no more tha	n FORTY-FIVE (45) days prior to	
entry  Date of Notice:	9/30/2019	Date of Plan	ned En	kirv: 10/7/2019		4	
Delivery metho	od pursuant i	to West Virginia Co	ode § 22	-6A-10a			
☐ PERSONA	AL B	REGISTERED		METHOD OF DEI	IVERY THAT RE	COLURES A	
SERVICE		MAIL		RECEIPT OR SIGN			
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which	e tract to cond n forty-five d act that has fil als underlying ontrol Manua h statement sl ce owner to o	luct any plat surveys ays prior to such ent ed a declaration pur- such tract in the co I and the statutes an hall include contact i btain copies from th	s require ry to: (1 suant to unty tax d rules r informat	d pursuant to this at ) The surface owner section thirty-six, at records. The notice related to oil and gation, including the a	rticle. Such notice s r of such tract; (2) t rticle six, chapter to e shall include a sta s exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to	
		,.					
	OWNER(s)				LOWNER OR LE		
Name:			ė.	Name: Address:			
Address.			-	Address:		<del></del>	
Name:							
Address:			-	IMINI	ERAL OWNER(s)	/	
Momor					vid Brent Queen		
Address:			-3	Address: Wellsburg, W	51-25lh Street		
			_		h additional forms if ne	cessary	
a plat survey on State:   County:   District:   Quadrangle:   Copies of the state	st Virginia Co the tract of la Vest Virginia Irooke tuffalo teubenville East	and as follows:	Manua	Approx. Latit Public Road A Watershed: Generally use	ude & Longitude: Access: d farm name: d rules related to oi	l operator is planning entry to conduct  40.285455, -80.583997  Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC	
may be obtained Charleston, WV	I from the Sec 25304 (304- ne Secretary b	cretary, at the WV D 926-0450). Copies by visiting <u>www.dep</u>	epartme of such	ent of Environments documents or addit	l Protection headquional information re	uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be	
Well Operator:		ION COMPANY, LLC		Address:	1300 Fort Pierpont Dr.,	Suite 201	
Telephone:	304-884-1610				Morgantown, WV 26508		
Email:	Brittany_Woody@	демп.соп		Facsimile:	304-884-1690		

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

	Fime Requir	rement:	Notice shall be prov	led at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
entry Date of	Notice: 9/30/	2019	Date of Plan	ed Entry: 10/7/2019
Deliver	y method pu	rsuant	to West Virginia C	de § 22-6A-10a
☐ PF	RSONAL	=	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
	RVICE		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to the but no n beneath owner o and Sed Secretar	e surface trace nore than for such tract th f minerals ur iment Contro y, which stat	t to condity-five dat has fill derlying of Manual	duct any plat survey: ays prior to such end led a declaration pur g such tract in the co al and the statutes an	for to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams that to section thirty-six, article six, chapter twenty-two of this code; and (3) any noty tax records. The notice shall include a statement that copies of the state Erosion rules related to oil and gas exploration and production may be obtained from the formation, including the address for a web page on the Secretary's web site, to secretary.
Notice i	s hereby pro	ovided t	0:	
☐ SURFACE OWNER(s)				☐ COAL OWNER OR LESSEE
Name:				Name:
Address				Address:
Name:				
Address	:			MINERAL OWNER(s)
				Name: Jason Bradley Queen
Name:				
Address	•			Follansbee, WV 26037 *please attach additional forms if necessary
Pursuan		ginia Co	ode § 22-6A-10(a), n	tice is hereby given that the undersigned well operator is planning entry to conduct
State:	West Vi	rginia		Approx. Latitude & Longitude: 40.285455, -80.583997
County:	_			
District:	23100411			
Quadrar	igle: Steuben	wille East	× × × × × × × × × × × × × × × × × × ×	Generally used farm name; OV Royalty Trust LLC
	obtained from	n the Se	cretary, at the WV D	Manual and the statutes and rules related to oil and gas exploration and production partment of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street, SE, f such documents or additional information related to horizontal drilling may be
Charlest			by visiting www.dep	vv.gov/oil-and-gas/pages/default.aspx.
Charlest obtained	from the Se	cretary l		vv.gov/oii-and-gas/pages/detauit.aspx.
Charlest obtained Notice	l from the Se is hereby g	cretary l		
Charlest obtained Notice Well Op	I from the Se is hereby g erator: swi	iven by		Address: 1300 Fort Pierpant Dr., Suite 201
Charlest obtained Notice	I from the Se is hereby g erator: swi	cretary l		

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Office of Oil and Gas

FEB 1 1 2020

WV Darranment of Environmental Fratection

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

Notice Time Re entry	equirement:	Notice shall be prov	ided at least SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to			
Date of Notice:	9/30/2019	Date of Plan	ned Entry: 10/7/2019					
Delivery metho	d pursuant t	to West Virginia Co	ode § 22-6A-10a					
☐ PERSONA	L B	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	OUIRES A			
SERVICE		MAIL	RECEIPT OR SIGN					
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which	tract to cond in forty-five d act that has fil als underlying ontrol Manua in statement sl	luct any plat surveys ays prior to such ent ed a declaration pur- g such tract in the co d and the statutes an	s required pursuant to this ar ry to: (1) The surface owner suant to section thirty-six, as unty tax records. The notice d rules related to oil and gas information, including the ac	ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a 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 attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to			
Notice is hereb	y provided to	0:						
☐ SURFACE	OWNER(s)		☐ COAL	☐ COAL OWNER OR LESSEE				
Name:			Name:	Name:				
Address:			Address:	Address:				
Name:			-	111 221				
Address:	-		■ MINE	ERAL OWNER(s)				
			_ Name: Jud	y A. Snodgrass				
Name:			_ Address:	12041 Wilshire Ave				
Address:			La Habra, CA *please attac	90631 h additional forms if ne	cessary			
a plat survey on State: V County: E	st Virginia Co the tract of la Vest Virginia Brooke Buffalo	ode § 22-6A-10(a), n and as follows:	Approx. Latit Public Road & Watershed:	ude & Longitude: Access:	operator is planning entry to conduct  40.285455, -80.583997  Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC			
may be obtained Charleston, WV	I from the Se 25304 (304 he Secretary I by given by	cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u>	Department of Environmenta	l Protection headquional information o				
Email:	Brittany Woody	@swп.com	Facsimile:	304-884-1690				
Oil and Gas I								

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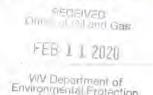


#### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

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

entry Date of No	otice: 9/30/201	9	Date of Plan	nned E	itry: 10/7/2019				
Delivery n	ethod purs	uant to	West Virginia C	ode§2	2-6A-10a				
Cl penc	CONTAT	Time!	DECIONEDED	П	APPRIAD OF DOLD BODY TO A TIPO TOPO A				
	ONAL		REGISTERED	<u>-</u>	METHOD OF DELIVERY THAT REQUIRES A				
SERV	ICE		MAIL		RECEIPT OR SIGNATURE CONFIRMATION				
on to the subut no more beneath such owner of mand Sedime Secretary,	urface tract to than forty- ch tract that ninerals unde ent Control I which staten	o condo five da has file erlying Manual nent sh	uct any plat survey ys prior to such en d a declaration pur such tract in the co and the statutes ar	s requir try to: ( suant to ounty ta: nd rules informa	filing a permit application, the operator shall provide notice of planned en- ed pursuant to this article. Such notice shall be provided at least seven day ) The surface owner of such tract; (2) to any owner or lessee of coal seam section thirty-six, article six, chapter twenty-two of this code; and (3) any records. The notice shall include a statement that copies of the state Ero related to oil and gas exploration and production may be obtained from the tion, including the address for a web page on the Secretary's web site, to ary.				
Notice is h	ereby provi	ided to							
	ACE OWN				☐ COAL OWNER OR LESSEE				
Name:		11-7-			Name:				
Address:				1	Address:				
NTamen				-	The state of the s				
Address:				=	MINERAL OWNER(s)				
					Name: Aaron Wheeler				
Name:					Address: 4726 S Airport Road, Apt. C				
Address:				5	Roy, UT 84067				
				-	*please attach additional forms if necessary				
Pursuant to		nia Coo	de § 22-6A-10(a), r nd as follows:	iotice is	hereby given that the undersigned well operator is planning entry to cond  Approx. Latitude & Longitude: 40.285455,-80.583997				
County:	Brooke				Public Road Access: Rabbit Hill Road				
District:	Buffalo				Watershed: Lower Buffalo Creek				
Quadranal	e: Steubenville	e East			Generally used farm name: OV Royalty Trust LLC				
Quadrangh									
Copies of t may be obt Charleston	tained from to , WV 25304	the Sec 4 (304-	retary, at the WV I 926-0450). Copies	Departm of sucl	I and the statutes and rules related to oil and gas exploration and production of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street,				
Copies of t may be obt Charleston obtained fr	tained from to , WV 25304 com the Secr	the Sec 4 (304- etary by	retary, at the WV I 926-0450). Copies y visiting <u>www.der</u>	Departm of sucl	ent of Environmental Protection headquarters, located at 601 57th Street, Strouments or additional information related to horizontal drilling may be				
Copies of t may be obt Charleston obtained fr	tained from to , WV 25304 om the Secr hereby giv	the Sec 4 (304- etary by en by:	retary, at the WV I 926-0450). Copies y visiting <u>www.de</u> r	Departm of sucl	ent of Environmental Protection headquarters, located at 601 57th Street, S documents or additional information related to horizontal drilling may be voil-and-gas/pages/default.aspx.				
Copies of t may be obt Charleston obtained fr Notice is Well Opera	tained from the Secretary gives the secretary gives ator: SWN PI	the Sec 4 (304- etary by en by:	retary, at the WV I 926-0450). Copies y visiting <u>www.der</u>	Departm of sucl	ent of Environmental Protection headquarters, located at 601 57 <sup>th</sup> Street, S documents or additional information related to horizontal drilling may be voil-and-gas/pages/default.aspx.  Address: 1300 Fort Pierpont Dr., Suite 201				
Copies of t may be obt Charleston obtained fr	tained from the Secretary gives ator: SWN PI	the Sec 4 (304- etary by en by:	retary, at the WV I 926-0450). Copies y visiting www.der on company, elc	Departm of sucl	ent of Environmental Protection headquarters, located at 601 57th Street, S documents or additional information related to horizontal drilling may be voil-and-gas/pages/default.aspx.				

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

	ce: 9/30/2019		med Entry: 1077/2019					
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a					
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DELIVERY THAT	T REOUIRES A				
SERVIC		MAIL	RECEIPT OR SIGNATURE CON					
on to the surf but no more to beneath such owner of min and Sedimen Secretary, wh	ace tract to cond than forty-five d tract that has fil terals underlying t Control Manua tich statement sl	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes ar	required pursuant to this article. Such not ry to: (1) The surface owner of such tract; suant to section thirty-six, article six, chap unty tax records. The notice shall include d rules related to oil and gas exploration a information, including the address for a we	(2) to any owner or lessee of coal seams ofter twenty-two of this code; and (3) any a statement that copies of the state Erosion and production may be obtained from the				
Notice is her	eby provided t	o:						
☐ SURFA	CE OWNER(s)		☐ COAL OWNER OF					
Name:		JE	Name:	Name:				
Address:		Address:	Address;					
Name:		10.7	=					
Address:		10, 10	MINERAL OWNER	R(s)				
			Name: Douglas Wheeler					
Name:			Address: 2211 Calvin Drive	Address: 2211 Calvin Drive				
Address:			Bellevue, NE 68123 *please attach additional forms	s if necessary				
Pursuant to V a plat survey State: County:	on the tract of la West Virginia Brooke	and as follows:	Approx. Latitude & Longitu Public Road Access:	well operator is planning entry to conduct  ide: 40.285455, -80.583997  Rabbit Hill Road				
District:	Buffalo			Lower Buffalo Creek				
Quadrangle:	Steubenville East		Generally used farm name:	OV Royalty Trust LLC				
may be obtain Charleston, V	ned from the Se VV 25304 (304	cretary, at the WV I -926-0450). Copies	Manual and the statutes and rules related epartment of Environmental Protection he of such documents or additional informations.  wv.gov/oil-and-gas/pages/default.aspx.	to oil and gas exploration and production eadquarters, located at 601 57 <sup>th</sup> Street, SE, ion related to horizontal drilling may be				
Notice is he	reby given by	7:						
TOTAL TO HE		TION COMPANY, LLC	Address: 1300 Fort Pierpon	nt Dr., Suite 201				
Well Operato				Address: 1300 Fort Pierpont Dr., Suite 201  Morgantown, WV 26508				
	304-884-1610	3 212 310 1 3 00 0 1 1 1 1 1 1	Morgantown, WV	26508.				

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RECEIVED Office in Oil and Gas

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

	equitions.	1 tottoe shart be prov	ided at least SEVEN (7) day	s but no more than	FORTY-FIVE (45) days prior to
entry  Date of Notice:	9/30/2019	Date of Plan	ned Entry: 10/7/2019		
Delivery metho	od pursuant	to West Virginia Co	ode § 22-6A-10a		
☐ PERSONA	AL I	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	OUTRES A
SERVICE		MAIL	RECEIPT OR SIGN		0.4 (1) 1.4 (1) 1.5 (1
on to the surfac but no more that beneath such tra owner of miner and Sediment C Secretary, whice	e tract to cond in forty-five d act that has fil als underlying Control Manua h statement sl	duct any plat surveys lays prior to such ent led a declaration pur- g such tract in the co al and the statutes an	s required pursuant to this are ry to: (1) The surface owner suant to section thirty-six, are unty tax records. The notice d rules related to oil and gas information, including the ac-	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
Notice is hereb	y provided t	0:			
☐ SURFACE	E OWNER(s)		☐ COAL	OWNER OR LE	SSEE
Name:	3.00		Name:		1
Address:			Address:		
Name:				10 - Nr - 12	
Address:			■ MINE	RAL OWNER(s)	
			Name: Edw		
Name:		1000	_ Address: 1	1010 Julia Circle	
Address:			Bainbridge, GA *please attacl	i 39819 n additional forms if ne	cessary
a plat survey on	st Virginia Co		otice is hereby given that the		l operator is planning entry to conduct
County:	West Virginia Brooke Buffalo		Approx. Latin Public Road A Watershed: Generally used		40.285455, -80.583997 Rabbit Hill Road Lower Buffalo Creek OV Royalty Trust LLC
County: District: Quadrangle: Some softhest may be obtaine Charleston, Woobtained from the Notice is here Well Operator:	West Virginia Brooke Buffalo Steubenville East tate Erosion a d from the Se V 25304 (304 the Secretary I	nd Sediment Control cretary, at the WV D -926-0450). Copies by visiting www.dep	Public Road A Watershed: Generally used I Manual and the statutes and Department of Environmenta	d farm name:  I rules related to of Protection headqual information r	Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC  il and gas exploration and production uarters, located at 601 57th Street, SE, elated to horizontal drilling may be
County: District: Quadrangle: Society of the st may be obtaine Charleston, WV obtained from t  Notice is here	West Virginia Brooke Buffalo Steubenville East tate Erosion a d from the Se V 25304 (304 the Secretary I	nd Sediment Control crefary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	Public Road A Watershed: Generally used  I Manual and the statutes and Department of Environmenta of such documents or addition.  W.gov/oil-and-gas/pages/d	d farm name:  I rules related to of Protection headque onal information refault.aspx.	Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC  il and gas exploration and production uarters, located at 601 57th Street, SE, elated to horizontal drilling may be  Suite 201

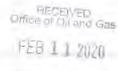
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Office Colond Gas

	Requirement:	Notice shall be prov	vided at least SEVEN (7)	days but no more tha	n FORTY-FIVE (45) days prior to
entry  Date of Notice	9/30/2019	Date of Pla	nned Entry: 10/7/2019		
Delivery meth	od pursuant	to West Virginia C	ode § 22-6A-10a		
☐ PERSON	AT.	REGISTERED	☐ METHOD OF D	FLIVERY THAT RI	EOURES A
SERVICE		MAIL		GNATURE CONFIR	
on to the surface but no more the beneath such to owner of mine and Sediment of Secretary, which enable the surface	ce tract to contain forty-five de act that has fil rals underlying Control Manusch statement si ace owner to control c	duct any plat survey lays prior to such en led a declaration pur g such tract in the co al and the statutes ar hall include contact obtain copies from the	s required pursuant to this try to: (1) The surface ow resuant to section thirty-six ounty tax records. The no ad rules related to oil and information, including the	article. Such notice ner of such tract; (2) , article six, chapter t tice shall include a st gas exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to
Notice is here			П		2000
SURFAC				AL OWNER OR LE	
Name:			Name:		
Address:				:	
Name:					
Address:			■ MI	NERAL OWNER(s)	
			_ Name:	Emmett Wheeler	
Name:			Address	: 31518 Plank Lane	
Address:			DeLand, F		
-			*please at	tach additional forms if ne	ecessary
a plat survey o State: County:	est Virginia Co n the tract of la West Virginia Brooke Buffalo	ode § 22-6A-10(a), and as follows:	Approx. La Public Roa Watershed	titude & Longitude:	If operator is planning entry to conduct  40.285455, -80.583997  Rabbit Hill Road  Lower Buffalo Creek  OV Royalty Trust LLC
Quadrangte: .	Steudenville East		Generally (	ised farm hame:	OV Royally I RIST LLC
may be obtained Charleston, W	ed from the Se V 25304 (304 the Secretary I	cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u>	Department of Environme	ntal Protection headq ditional information i	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, related to horizontal drilling may be
		TION COMPANY, LLC	Address:	1200 Engl Classes D	Suite 201
Telephone:	304-884-1610	HON GOWPANT, LLC	Audiess.	1300 Fort Pierpont Dr., Morgantown, WV 2650	
Email:	Britiany_Woody(	Oswa com	Facsimile		*
		G-7		20101010101	
Anna Carlotte and the	T. T. T. T. C. C. C.				

#### Oil and Gas Privacy Notice:

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



Environment of

	Requirement:	Notice shall be prov	rided at least SEVEN (7) da	ys but no more than	n FORTY-FIVE (45) days prior to
entry Date of Notic	e: 9/30/2019	Date of Plan	nned Entry: 10/7/2019		
Delivery met	hod pursuant i	to West Virginia C	ode § 22-6A-10a		
☐ PERSON	VAL	REGISTERED	☐ METHOD OF DE	JVERY THAT RE	EOUIRES A
SERVIC		MAIL	RECEIPT OR SIG		1.50 (A.40) A.C. (T.1)
on to the surfa- but no more the beneath such to owner of mine and Sediment Secretary, who	ace tract to cond nan forty-five d tract that has fil erals underlying Control Manua ich statement si	luct any plat surveys ays prior to such ent ed a declaration pur g such tract in the co Il and the statutes an	s required pursuant to this a try to: (1) The surface owner suant to section thirty-six, a unty tax records. The notion of rules related to oil and gatinformation, including the a	rticle. Such notice s or of such tract; (2) tricle six, chapter to se shall include a sta s exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to
Notice is here	by provided to	0:			
☐ SURFAC	E OWNER(s)			LOWNER OR LE	
Name:			Name:		-
Address:			Address:		
Name:				mar or mark	
				ERAL OWNER(s)	
			Name: Sh	annon Wheeler 15349 SE 182nd Ave	
And the second second			Address: Umatilia, FL3		
			*please attac	ch additional forms if ne	cessary
a plat survey of State: County: District:	Vest Virginia Co on the tract of la West Virginia Brooke Buffalo	and as follows:	Approx. Lati Public Road Watershed:	tude & Longitude: Access:	l operator is planning entry to conduct 40.285455, -80.583997 Rabbit Hill Road Lower Buffalo Creek
Quadrangle:	Steubenville East		Generally use	ed farm name:	OV Royalty Trust LLC
may be obtain Charleston, W	ed from the Sec V 25304 (304-	cretary, at the WV D -926-0450). Copies	Department of Environments	al Protection headquional information re	il and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be
	reby given by				
Well Operator	: SWN PRODUCT	ION COMPANY, LLC	Address:	1300 Fort Pierpont Dr.,	Suite 201
Telephone:	304-864-1610			Morganlown, WV 26508	
Email:	Brittany_Woody@	)swn.com	Facsimile:	304-864-1690	
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.

Office of Oil and Gas.

	equirement:	Notice shall be prov	ided at least SEVEN (7)	days but no more tha	n FORTY-FIVE (45) days prior to
entry  Date of Notice:	9/30/2019	Date of Plan	ned Entry: 10/7/2019		
Delivery metho	d pursuant	to West Virginia Co	ode § 22-6A-10a		
☐ PERSONA	L 🔳	REGISTERED	☐ METHOD OF D	ELIVERY THAT RE	EOUIRES Á
SERVICE		MAIL		GNATURE CONFIR	
on to the surface but no more than beneath such tra owner of minera and Sediment C Secretary, which	e tract to cond in forty-five d act that has fill als underlying ontrol Manual istatement sl	duct any plat surveys ays prior to such ent led a declaration pur- g such tract in the co- al and the statutes an	required pursuant to this ry to: (1) The surface ow suant to section thirty-six unty tax records. The no d rules related to oil and nformation, including the	article. Such notice and of such tract; (2) article six, chapter tite shall include a stages 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 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 hereby	y provided t	0:			
☐ SURFACE	OWNER(s)			AL OWNER OR LE	
Name:			Name:		100
Address:			Address	:	
Name:				STEP AT ANTARESES	1
Address:				NERAL OWNER(s)	
Name:				Ruth Ellen Yazevac 6741 Chartridge Court	
Address:			Addres:	chester, OH 43110	T
			*please a	ttach additional forms if ne	ecessary
a plat survey on State: V County:	st Virginia Co the tract of I Vest Virginia Brooke	and as follows:	Approx. La Public Roa Watershed	atitude & Longitude: d Access:	Il operator is planning entry to conduct 40,285455, -80,583997 Rabbit Hill Road Lower Buffala Creek OV Royalty Trust LLC
may be obtained Charleston, WV obtained from the Notice is here Well Operator: Telephone:	f from the Se 25304 (304 he Secretary by given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.dep</u>	Department of Environme of such documents or ad .wv.gov/oil-and-gas/page Address	ntal Protection headq ditional information of as/default.aspx.  1300 Fort Pierpont Dr., Morgantown, WV 2850	
Email:	Brittany_Woody	@swn.com	Facsimil	e: 304-864-1690	
	Brittany_Woody		Facsimil		

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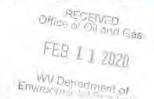
WV Densidment of

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

Notice Time Date of Noti	Requirement: Notice shall be provided at ce: 10/17/2019 Date Per	least TEN (10) days prior to filing a mit Application Filed:	permit application.
Delivery me	thod pursuant to West Virginia Code § 2	22-6A-16(b)	
☐ HAND	CERTIFIED MAIL		
DELIVE		DUESTED	
receipt request drilling a hore of this subsection mand if availab	V. Va. Code § 22-6A-16(b), at least ten day sted or hand delivery, give the surface own izontal well: <i>Provided</i> , That notice given tion as of the date the notice was provided ay be waived in writing by the surface own le, facsimile number and electronic mail acreby provided to the SURFACE OW	ner notice of its intent to enter upon the pursuant to subsection (a), section to to the surface owner: <i>Provided, hower</i> . The notice, if required, shall includes of the operator and the operator	ne surface owner's land for the purpose of on of this article satisfies the requirements ovever, That the notice requirements of this ude the name, address, telephone number,
	e Gene Charles The Trust of 11/26/86	Name:	
Address: PO F	/	Address:	
State: County:	vner's land for the purpose of drilling a ho West Virginia Brooke	UTM NAD 83 Easting: Northing:	535,347.423 4,459,545.744
District:	Cross Creek	Public Road Access:	Rabbit Hill Road
Quadrangle:	Steubenville East	Generally used farm name:	OV Royalty Trust, LLC
Watershed:	Painters Run of Buffalo Creek	_	
Oursuant to Vacsimile nur elated to hor	Shall Include: West Virginia Code § 22-6A-16(b), this ober and electronic mail address of the dizontal drilling may be obtained from the 57th Street, SE, Charleston, WV 25304 (3)	operator and the operator's authorize Secretary, at the WV Department o	ed representative. Additional information f Environmental Protection headquarters,
Notice is he	reby given by:		
	r: SWN Production Company, LLC	Authorized Representative:	Mike Yates
Address:	1300 Fort Pierpont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
Telephone:	304-517-6603	Telephone:	304-517-6603
Email:	Michael_Yates@swn.com	Email:	Michael_Yates@swn.com
acsimile:		Facsimile:	
	\		

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Operator Well No. OVRoyahy Trast ELC BRK 40:

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

Deliver	method pursuant to West Virginia	Code §	22-6A-16(c)		
■ C1	ERTIFIED MAIL		HAND		
	ETURN RECEIPT REQUESTED		DELIVERY		
return re the plan required drilling damages (d) The of notice	ceipt requested or hand delivery, give to ned operation. The notice required by to be provided by subsection (b), section of a horizontal well; and (3) A propose to the surface affected by oil and gas on notices required by this section shall be	the surface y this son ten of sed surface operation given t	ace owner whose land ubsection shall incluse if this article to a surface use and compens as to the extent the date the surface owner as	I will be used for de: (1) A copy ace owner whost sation 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 se 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
	hereby provided to the SURFACE ( Idress listed in the records of the sherift				
	alentine Gene Charles The Trust of 11/26/86		/ Name:		
Ivalile.					
	PO Box 31	_ /	Address		
Address Wellsburg  Notice i Pursuan	hereby given: to West Virginia Code § 22-6A-16(c),	notice	is hereby given that tl	ne undersigned	well operator has developed a planned act of land as follows:
Address Wellsburg  Notice i Pursuan operatio State: County:	to West Virginia Code § 22-6A-16(c), on the surface owner's land for the provided by the surface owner's land for the surface	notice urpose of	is hereby given that the foliation of drilling a horizonta	ne undersigned of the transport of the t	ct of land as follows: 535,347.423 4.459,545.744
Address Wellsburg  Notice i Pursuan operatio State: County: District:	ww 26070  Shereby given: to West Virginia Code § 22-6A-16(c), on the surface owner's land for the provided by the surface owner's land for	notice urpose o	is hereby given that the foliation of drilling a horizonta  UTM NAD 8  Public Road	ne undersigned of the transport of the t	ct of land as follows: 535,347.423 4,459.545.744 Rabbit Hill Road
Address Wellsburg  Notice i Pursuan operatio State: County: District: Quadran	to West Virginia Code § 22-6A-16(c), n on the surface owner's land for the provided by the surface owner's land for the surface owner's la	notice urpose o	is hereby given that the foliation of drilling a horizonta  UTM NAD 8  Public Road	ne undersigned of the transport of the t	ct of land as follows: 535,347.423 4.459,545.744
Address Wellsburg Notice i Pursuan	to West Virginia Code § 22-6A-16(c), n on the surface owner's land for the provided by the surface owner's land for the surface owner's la	notice urpose o	is hereby given that the foliation of drilling a horizonta  UTM NAD 8  Public Road	ne undersigned of the transport of the t	ct of land as follows: 535,347.423 4,459.545.744 Rabbit Hill Road
Notice i Pursuan operatio State: County: District: Quadran Watersh This No Pursuan to be pr horizont surface informat headqua	to West Virginia Code § 22-6A-16(c), non the surface owner's land for the provided Brooke  Cross Creek  Gle: Steubenville East  Painters Run of Buffalo Creek  tice Shall Include: to West Virginia Code § 22-6A-16(c), ovided by W. Va. Code § 22-6A-10(b al well; and (3) A proposed surface use offected by oil and gas operations to the control of the con	, this no ) to a e and cone extended	is hereby given that the farilling a horizonta UTM NAD 8 Public Road Generally use of the shall include: (1) surface owner whose ompensation agreement the damages are contined from the Secret	ne undersigned at leasting: 3 Easting: Northing: Access: ad farm name: A copy of this at land will be an	ct of land as follows: 535,347.423 4,459.545.744 Rabbit Hill Road
Address Wellsburg Notice i Pursuan operatio State: County: District: Quadran Watersh This No Pursuan to be pr horizont surface informat headqua gas/page	to West Virginia Code § 22-6A-16(c), a on the surface owner's land for the property of the surface land land land land land land land land	, this no ) to a e and cone extended	is hereby given that the farilling a horizonta UTM NAD 8 Public Road Generally use of the shall include: (1) surface owner whose ompensation agreement the damages are contined from the Secret	ne undersigned at leasting: 3 Easting: Northing: Access: ad farm name: A copy of this at land will be an	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 Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Notice i Pursuan operatio State: County: District: Quadran Watersh This No Pursuan to be pr horizont surface informat headqua	to West Virginia Code § 22-6A-16(c), a on the surface owner's land for the provided by Virginia  Brooke Cross Creek  Gle: Steubenville East Painters Run of Buffalo Creek  tice Shall Include: to West Virginia Code § 22-6A-16(c), poided by W. Va. Code § 22-6A-10(b), al well; and (3) A proposed surface used ffected by oil and gas operations to the control of the cont	, this no ) to a e and cone extended	is hereby given that the of drilling a horizonta UTM NAD 8  Public Road Generally use of the shall include: (1) surface owner whose ompensation agreement the damages are contined from the Secret leston, WV 25304	The undersigned of the transport of transport of the transport of the transport of the transport of transport of the transport of	act of land as follows:  535,347.423  4.459.545.744  Rabbit Hill Road  OV Royalty Trust, LLC  code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201

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### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

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

October 15, 2019

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

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

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

Subject: DOH Permit for the OV Royalty Trust LLC Pad, Brooke County

OV Royalty Trust LLC BRK 405H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2011-0113 which has been issued to Southwestern Energy for access to the State Road for a well site located off Brooke County Route 18 SLS.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018.

Office of Oil and Gas

FEB 1 1 2020

WV Deptember of Environmental Protection Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc:

Brittany Woody Southwestern Energy

CH, OM, D-6

File

d Gas	020
	-
0.0	-
)ffice	
U	

WV Department of Environmental Protection

Product Name AI-303 (U.S. Well Services)	Product Use Mixture	Chemical Name Ethylene glycol	CAS Number 107-21 1
	0.00000	Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		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
Bactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol	68424-85-1 64-17-5
Bactron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
CarboNRT	Tracer	Ceramic Proppant	66402-68-4
C6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
to real (Indian enample)	Dedic Himbitor	Ethylene Glycol	107-21-1
C6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
and a state of the	Diodisc	Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
cono-Cl200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
cono-cizoo (SWN Wen Services)	COTTOSIOTITITIDICOT	Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
-		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldehyde	50-00-0
copol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
Sobolise (SAAM AASII SEI AICEZ)	HOH COMMO	Citric Acid	77-92-9
	- internal control of the control of	Water	7732-18-5
DP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
-Dr-S1176-13 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
U OLET BROOK VER FELLILLIA III.	Arms H. W.		
LOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	54674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated Water	Proprietary 7732-18-5
LOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
R-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
SYPTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
HAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
HCL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
P-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
Plexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated	68551-12-2
		Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
Plexslick 953	Friction Reducer	Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
Plexslick 957	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
VFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
700000000000000000000000000000000000000		Propenoic acid, polymer with propenamide	9003-06 9
Plexaid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
	no data available	Copolymer of 2-propenaminde	69418-26-4
lexslick 922	was a ramage	Distillates (petroleum), hydotreated light	64742-47-8
Plexslick 922		Ammonium chloride ((NH4)Cl)	12125-02-9
Plexslick 922			93-83-4
Plexistick 922		Oleic Acid Diethnolamide	55566-30-8
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate	22200-20-0
	Biocidal product		55500-30-0
Plexslick 922	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate	770.0
Folcide PS50A	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	397256-50-
Tolcide PS50A		Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	770.0
Folcide PS50A		Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol	397256-50- 64742-47-8 Proprietary
Tolcide PS50A LD-2950	Friction Reducer	Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched	397256-50- 64742-47-8 Proprietary 69011-36-5
Tolcide PS50A		Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol	397256-50- 64742-47-8 Proprietary

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



### OV ROYALTY TRUST LLC-BRK PAD #A

#### AS-BUILT

WELL PAD/ACCESS ROAD BUFFALO DISTRICT, BROOKE COUNTY, WV JULY 2015

> SHEET INDEX I. TITLE SHEET

2. OVERALL PLAN

3. EVACUATION PLAN SHEET 4. EVACUATION PLAN SHEET

5. LOD MODIFICATION SHEET

6. AS-BUILT SITE OVERVIEW SHEET

7. AS-BUILT SITE OVERVIEW SHEET 8. AS-BUILT SITE OVERVIEW SHEET

9. AS-BUILT SITE OVERVIEW SHEET

10. AS-BUILT SITE OVERVIEW SHEET 11. AS-BUILT SITE OVERVIEW SHEET 12. AS-BUILT SITE OVERVIEW SHEET

13. AS-BUILT SITE OVERVIEW SHEET

14. ACCESS ROAD PROFILE SHEET 15. DETAIL SHEET

#### PLANS PREPARED BY:

#### TRIPLE H ENTERPRISES

204 NEELY AVENUE. WEST UNION, WV 26456 304-873-3260

WVDEP OOG ACCEPTED AS-BUILT 7/28/2015



API# 900094 API# 900138 API# 900162 API# 900163

ANTHONY BAUMGARD, P.E. NO. WV 14049

### OWNER:



AS-BUILT CERTIFICATION AS-BUILT CARTIFICATION
THE DIAWNIGS. CONSTRUCTION NOTES, AND
REFERENCE DIAGRAMS ATTACHED HERETO
HAVE BEEN PREPARED IN ACCORDANCE WITH THE WEST VIRGINIA CODE OF STATISTICLES, DIVISION OF ENVIRONMENTAL OFFICE OF OUR
AND GAS CRS 35-8

NOTES

1 THE AS-BUILT INFORMATION SHOWN HEREON REFLECTS FIELD DATA COLLECTED RELATING TO THE FINAL GRADING. UB THE DISTURDED AREA AS OF JULY 24, 2015. TRIPLE IF ENTERPRISES IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THE SIZE AFTER THE ABOVE MENTIONED DATE.

- 2 THE EXISTING CONTADMENT BERM ASO NOTHE WELL PAUSITAIT REPERED AS NECESSARY TO ENSURE 1094 CONTADMENT OF ALL PLUIDS PRIOR TO DESILENCE OFFICIALISTS.
- THE EXISTING EGRESS TO THE WELL PAD SHALL HAVE THE MOUNTABLE DEIGNS ROPARCED AS NOCESSARY TO ENSURE 190As CONTAINMENT OF ALL PLUIDS PRIOR TO DRILLING OPERATIONS.

COORDINATES ACCESS ROAD ENTRANCE (NAD 83) LAT: 40° 17' 39.4" LONG: 80° 35' 07.9"

#### COORDINATES CENTER OF PAD SITE

(NAD 83) LAT: 40° 17' 07.6° LONG: 80° 35' 02.5"

DESIGN PAD PL = 9.81 ACRES TOTAL DESIGN PROJECT LIMITS = 23.09 ACRES

PROPOSED ACCESS ROAD PL = 16.95 ACRES PROPOSED PAD PL = 9.81 ACRES



LIMITS OF DISTURBANCE DESIGN ACCESS ROAD PL = 13.28 ACRES

TOTAL PROPOSED PROJECT LIMITS = 26,76 ACRES







DATE 07/27/2015 DRAYAN BY, ADS

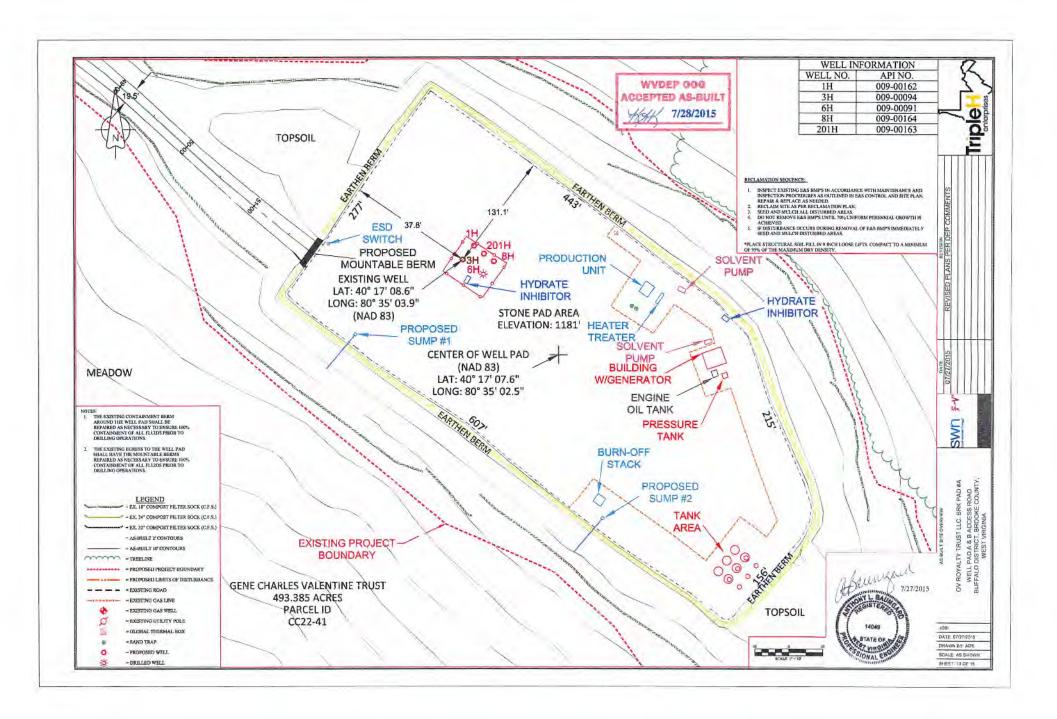
SCALE AS SHOWN GATER 1792 16

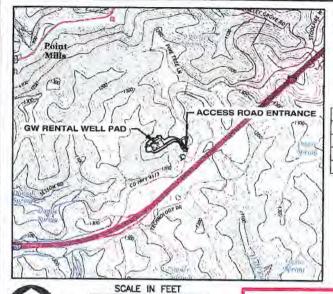
SITE LOCATION





A. ROYALTY LLC, BRK PAD #A. ELL PAD A & B ACCESS ROAD LLO DISTRICT, BROOKE COUNTY, WEST VIRGINIA





### **GW RENTALS WELL PAD RECLAMATION AS-BUILT**

TRIADELPHIA DISTRICT OHIO COUNTY, WEST VIRGINIA

LOD			
DESCRIPTION	ACRES		
ROAD DISTURBED AREA	1.67		
PAD DISTURBED AREA	5.52		
TOTAL	7.19		

LOD (REVISED)		
DESCRIPTION	ACRES	
ROAD DISTURBED AREA	1.67	
PAD DISTURBED AREA	5.52	
TOTAL	7.19	

ENGINEERING ESTIMATES OF	QUANITIES	
WELL SITE PAD DA	TA	
INSTALL MOUNTABLE BERM	93	CY
SEED & MULCH DISTURBED MATERIAL PILE	N/A	SY
12" COMPOSITE SOCK	846	LF
INSTALL SUMPS	2	EA
RIP-RAP AT SUM DISCHARGE	9.18	CY
REMOVAL OF EXISTING 6" HDPE	2	EA
REMOVAL OF EXISTING 4" HDPE	N/A	EA
STONE FOR PAD SURFACE REPAIR AND MOUNTABLE BERM STONE SURFACING	23	CY
WELL SITE PAS DATA (RECL	AMATION)	
REMOVE SUMP	2	EA
BREACH BERM	2	EA
10' WIDE RIP-RAP DISCHARGE CHANNELS	94	CY

#### SHEET INDEX

TITLE SHEET EVACUATION ROUTE / PREVAILING WIND EVACUATION ROUTE / PREVAILING WIND EP2.1

AS-BUILT OVERVIEW AS3.2

AS3,3 AS-BUILT ASR4.1 ACCESS ROAD PROFILE

MADS 1 RECLAMATION PLAN OVERVIEW MRD5.2 RECLAMATION PLAN RECLAMATION PLAN RECLAMATION DETAILS RECLAMATION DETAILS MRD5 3 MRD6.3

MRD6.4 RECLAMATION DETAILS MRD6.5 MRD6.6 RECLAMATION DETAILS RECLAMATION DETAILS

WELLNAME	NAD 83 WEST VIRGINIA NORTH ZONE		
	LATITUDE	LONGITUDE	
H1 (EXISTING)	40.074278	-80.565599	
H3 (EXISTING)	40.074295	-80,565697	
H5 (EXISTING)	40.074316	-80.565654	
H8 (EXISTING)	40.074237	-80.565684	
H205 (EXISTING)	40.074337	-80.565612	
H405 (EXISTING)	40.074357	-80.565571	
H605 (EXISTING)	40.074378	-80.565528	

SITELOCATIONS	NAD 83 WEST VIRGINIA NORTH ZONE	
	LATITUDE	LONGITUDE
BEGINNING OF MAIN ACCESS ROAD	40.073792	-80.562020
MAIN ACCESS ROAD AT PAD	40,074236	-80.564865
CENTER OF PAD	40.074250	-80.565685
GATHERING AREA	40.073971	-80.562528

	SUBMITTAL & REVISION RECORD				
NO	DATE	DESCRIPTION			
$\Lambda$	8/11/17	REVISIONS ON PLAN SET			
2	11/27/17	WYDOH COMMENTS			
A	12/05/17	LIMITS OF DISTURBANCE REVISION			





CALL BEFORE YOU DIG!





DEC 2 2 2017

WV Department of Environmental Protection



Civil & Environmental Consultants, Inc.

600 Marketplace Ave · Suite 200 · Bridgeport, WV 2633

304.933.3119 · Fax: 304.933.3327	
www.cecinc.com	

DRAWN BY: K.E.S. CHECKED BY: DATE:

SOUTHWESTERN PRODUCTION COMPANY **GW RENTALS WELL PAD** TRIADELPHIA DISTRICT OHIO COUNTY, WEST VIRGINIA

GW RENTALS RECLAMATION AS-BUILT TITLE SHEET

DEM APPROVED BY JDR FIGURE NO.

KENTUCI

NORTH

PROJECT AREA

PAD ID 3001156346

WYDEP OOG **ACCEPTED AS-BUILT** 

Eastern Panhandle

1/10/2018

PENNSYLVANIA

APRIL 2017 DWG SCALE:

AS NOTED PROJECT NO:

171-941

**TS1** 

