



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, April 15, 2024
WELL WORK PERMIT
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for Riter WTZ 5H
47-103-03645-00-00

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.

A blue ink signature of James A. Martin, Chief, is written over the text of the signature block.

James A. Martin
Chief

Operator's Well Number: Riter WTZ 5H
Farm Name: Harry Riter Jr. & Violet R Menas
U.S. WELL NUMBER: 47-103-03645-00-00
Horizontal 6A New Drill
Date Issued: 4/15/2024

Promoting a healthy environment.

04/19/2024

PERMIT CONDITIONS

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

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

04/19/2024

4710303645

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

1) Well Operator: SWN Production Co., LLC 494512924 ✓ 103-Wetzel 1-Center 468-Littleton
Operator ID County District Quadrangle

2) Operator's Well Number: Riter WTZ 5H ✓ Well Pad Name: Riter WTZ pad

3) Farm Name/Surface Owner: Harry Riter, Jr. & Violet R. Menas Public Road Access: C.R. 8

4) Elevation, current ground: 1409' ✓ Elevation, proposed post-construction: 1408'

5) Well Type (a) Gas x Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow x Deep _____

Horizontal x

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 7589', Target Base TVD- 7632', Anticipated Thickness- 43', Associated Pressure- 4961

8) Proposed Total Vertical Depth: 7617' ✓

9) Formation at Total Vertical Depth: Marcellus ✓

10) Proposed Total Measured Depth: 29,536' ✓

11) Proposed Horizontal Leg Length: 21,905.52' ✓

12) Approximate Fresh Water Strata Depths: 417' ✓

13) Method to Determine Fresh Water Depths: Nearby Well Vernon Johnson WTZ 10H API 47-103-02714 ✓

14) Approximate Saltwater Depths: 1898'- Salinity Profile

15) Approximate Coal Seam Depths: 1281' ✓

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

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

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____
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Office of Oil and Gas
MAR 13 2024
WV Department of
Environmental Protection

WW-6B
(04/15)

API NO. 47- 103 - 03645
 OPERATOR WELL NO. Riter WTZ 5H
 Well Pad Name: Riter WTZ pad

18) **CASING AND TUBING PROGRAM** **47 10 30 36 45**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	136'	136' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	467'	467' ✓	533 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2999'	2999' ✓	1224 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	29536'	29536' ✓	Tail 5385sx/ 100' Inside Intermediate
Tubing							
Liners							

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	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Interm	Casing				
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/10-15% Excess
Tubing							
Liners							

PACKERS

Kind:					RECEIVED Office of Oil and Gas MAR 13 2024
Sizes:					
Depths Set:					WV Department of Environmental Protection

04/19/2024
18-04

WW-6B
(10/14)

API NO. 47- 103 - _____
OPERATOR WELL NO. Riter WTZ 5H
Well Pad Name: Riter WTZ pad

4710303645

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

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

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 30

22) Area to be disturbed for well pad only, less access road (acres): 12.59

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 ***

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WV Department of
Environmental Protection

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

WW-9
(4/16)

API Number 47 - 103 - _____
Operator's Well No. Riter WTZ 5H

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

4710303645

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Upper Ohio- Wheeling Quadrangle Littleton

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number Various Approved Facilities)
- Reuse (at API Number At the next anticipated well /)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain recovery and solidification on site)

Will closed loop system be used? If so, describe: Yes- See Attachment 3A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air drill to KOP, fluid drill with SOB to KOP

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base

Additives to be used in drilling medium? Attachment 3B

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill

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

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021
Apex Sanitary Landfill U6-08438, Brooke Co SWF-1013, FMS 353100

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

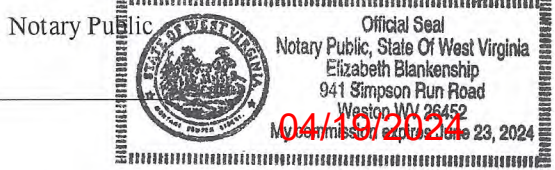
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Brittany Woody*
Company Official (Typed Name) Brittany Woody
Company Official Title Staff Regulatory Specialist

Subscribed and sworn before me this 8 day of February, 2024

Elizabeth Blankenship Notary Public

My commission expires 6/23/2024



SWN Production Co., LLC

Proposed Revegetation Treatment: Acres Disturbed 30 Prevegetation pH _____

Lime as determined by pH test min. 2 Tons/acre or to correct to pH 12.59 7

Fertilizer type 10-20-20

Fertilizer amount 600/500 lbs/acre

Mulch Hay/Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Attachment 3C

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: **Stephen Mccoy** Digitally signed by Stephen Mccoy
Date: 2024.03.07 08:15:22 -05'00'

Comments: Property reclaim seed mulch all disturbed areas.

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Office of Oil and Gas

MAR 13 2024

WV Department of
Environmental Protection

Title: Oil & Gas Inspector

Date: 1-18-24

Field Reviewed? () Yes (/) No

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

47 10303645



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

API NO. 47-XXX-XXXXX
WELL NAME: Riter WTZ 5H
Littleton QUAD
Center DISTRICT
WETZEL COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Brittany Woody

Date: 12/19/2023

Title: Staff Regulatory Specialist

SWN Production Co., LLC

Approved by:

Name: _____

Date: _____

Title: _____

Approved by:

Name: *[Signature]*

Date: 1-18-24

Title: _____

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Office of Oil and Gas

MAR 13 2024

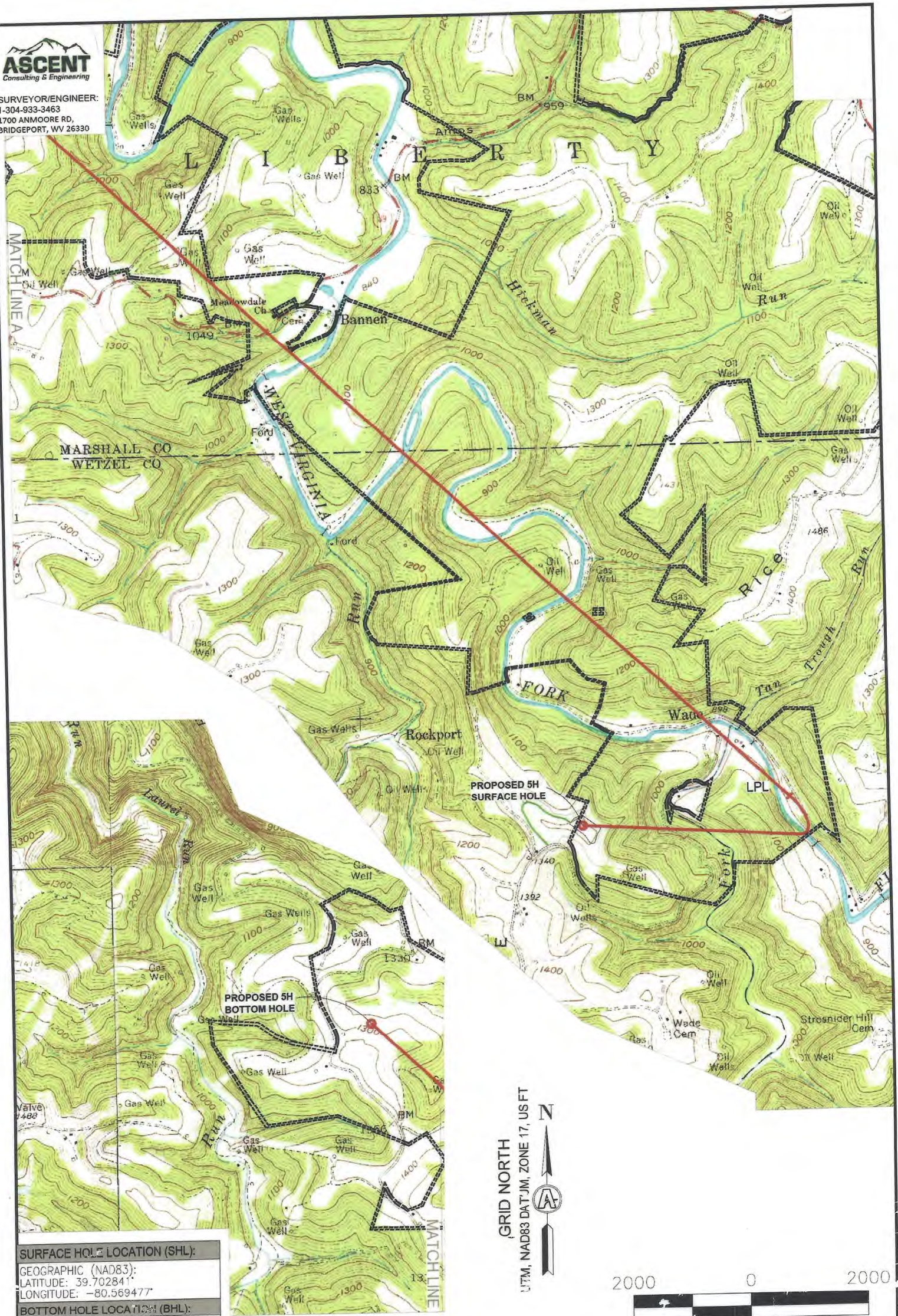
WV Department of
Environmental Protection

SWN PRODUCTION COMPANY, LLC – CONFIDENTIAL

04/19/2024



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.702841°
LONGITUDE: -80.569477°

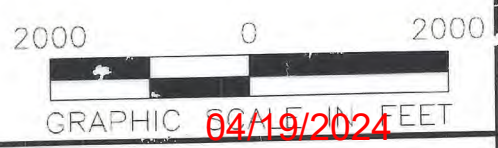
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.742044°
LONGITUDE: -80.608896°

- NOTES ON SURVEY**
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TRACT PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
 2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 3. ALL POINTS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC
ADDRESS:
1300 FORT PIERSON DRIVE, SUITE 201
SURFACE OWNER:
HARRY RITER, JR. & VIOLET R. MENAS

WELL (FARM) NAME: RITER WTZ		WELL # 5H	SERIAL # XXXX
COUNTY WETZEL	CODE 103	DISTRICT; CENTER	
USGS 7 1/2 QUADRANGLE MAP NAME BRIDLETON, WV-PA			

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





SURVEYOR/ENGINEER: 1-304-933-3463
1700 ANMOORE RD.
BRIDGEPORT, WV 26330

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,394,864.861 EASTING: 536,908.209
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,394,996.723 EASTING: 538,024.422
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,399,200.415 EASTING: 533,509.884

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

Latitude: 39°42'30" SURFACE HOLE 7,822'
Latitude: 39°45'00" BOTTOM HOLE 7,186'

BOTTOM HOLE 2,897'
SURFACE HOLE 2,001'
Longitude: 80°35'00"
Latitude: 80°32'30"



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 89°47'33" E	409.78'	SHL TO MONUMENT	POST
L2	S 10°03'14" E	1,257.47'	SHL TO MONUMENT	POST

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 83°15'45" E	3,687.57'	4721.15'	SHL TO LPL
L4	N 47°02'31" W	20,238.27'	20,238.27'	LPL TO BHL

WELL RESTRICTIONS

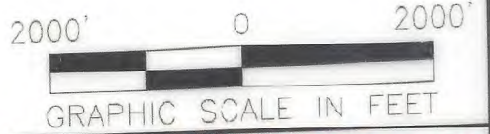
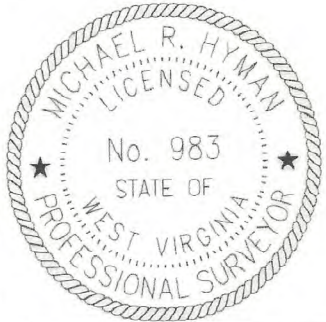
- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 100 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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

Michael R. Hyman 01-23-2024
P.S. 983



COMPANY: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	RITER WTZ		
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 5H	API WELL #: 47	103

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

WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1,409.0

DISTRICT: CENTER COUNTY: WETZEL QUADRANGLE: LITTLETON

SURFACE OWNER: HARRY RITER, JR. & VIOLET R. MENAS ACREAGE: ±63.55

OIL & GAS ROYALTY OWNER: CONSOL ENERGY ATTN: CASEY SAUNDERS ACREAGE: ±63.55

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) **04/19/2024**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,617 TVD 29,536 TMD

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

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

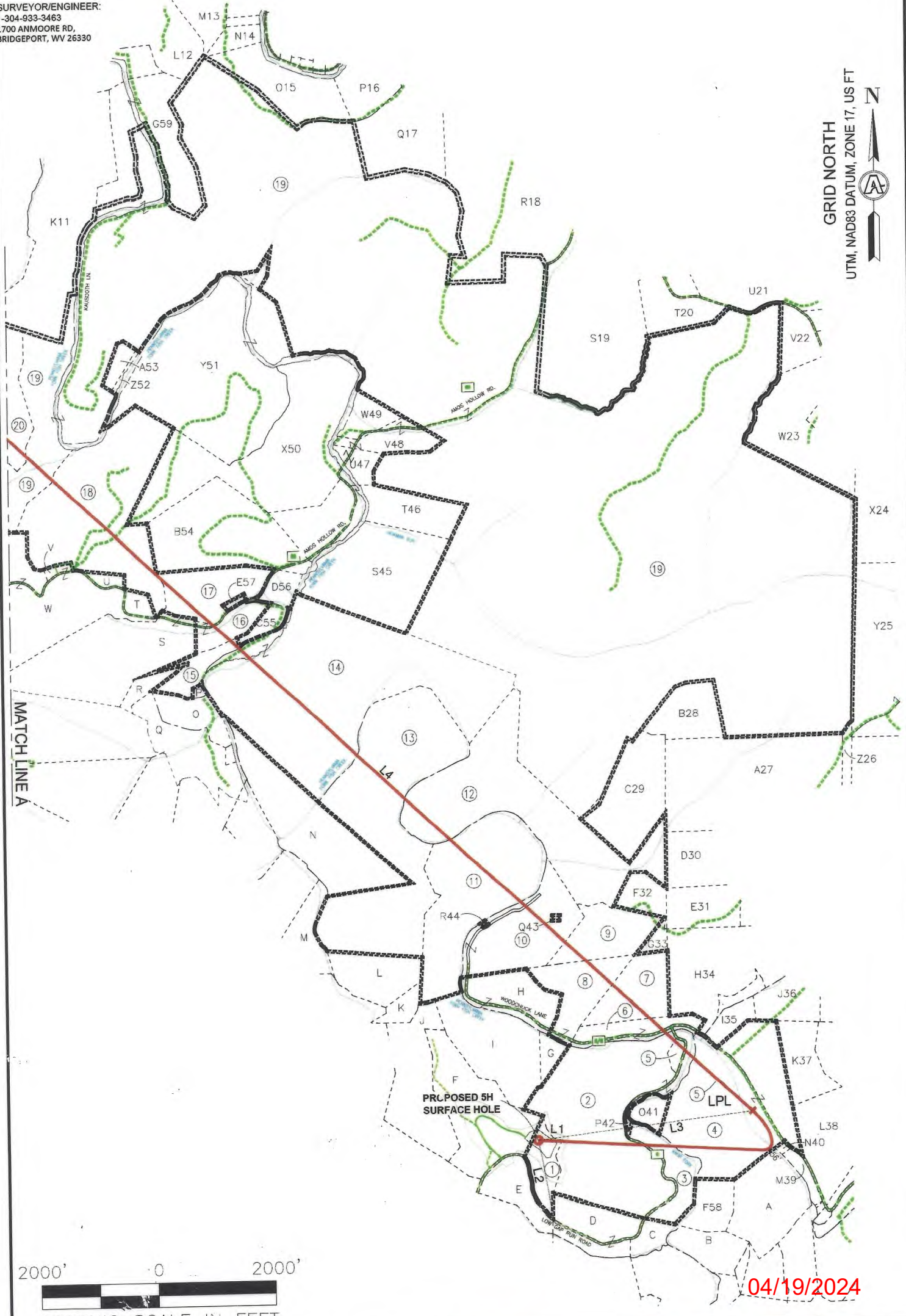
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 01-23-2024
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		DRAWN BY: TMF
☀ EXISTING / PRODUCING WELLHEAD	----- LEASE BOUNDARY		SCALE: 1" = 2000'
LPL* LANDING POINT LOCATION	— PROPOSED PATH		DRAWING NO: 2549
⊙ EXISTING WATER WELL			WELL LOCATION PLAT
⊙ EXISTING SPRING			



SURVEYOR/ENGINEER:
1-304-933-3463
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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



04/19/2024

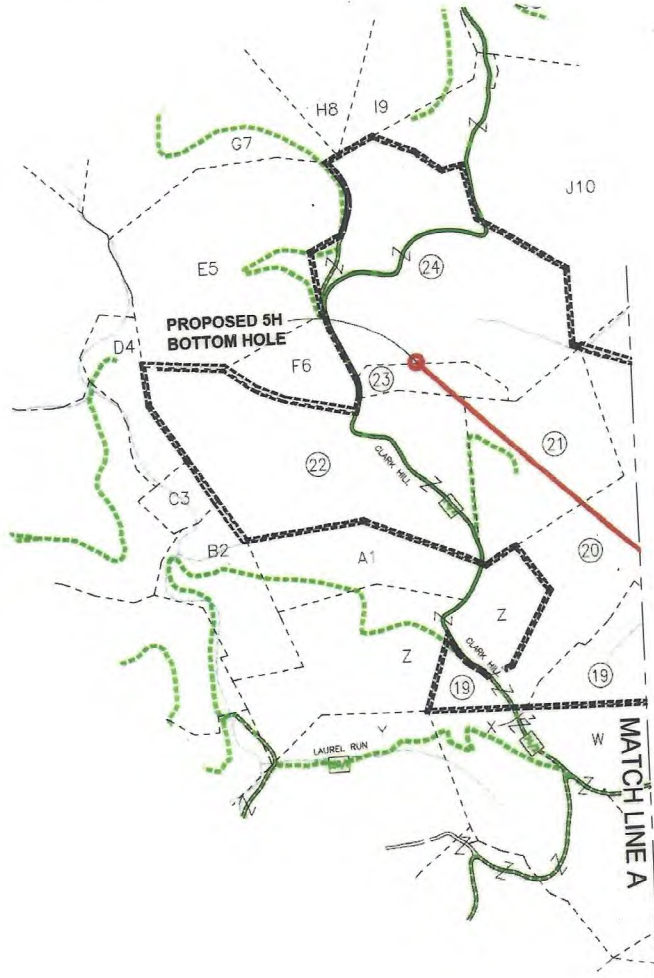
REVISIONS:

COMPANY:			
OPERATOR'S		RITER WTZ	
WELL #:		5H	
DISTRICT:	COUNTY:	STATE:	DATE: 01-23-2024
CENTER	WETZEL	WV	DRAWN BY: TMF
			SCALE: 1"=2000'
			DRAWING NO: 2549
			WELL LOCATION PLAT 2



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

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



WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RITER HARRY JR & MENAS VIOLET R (S)\ CONSOL Energy (R)	1-5-19
2	BLAKE GAY KAREN & JOSEPH F	1-6-7
3	S&R INVESTMENTS	1-6-11
4	S&R INVESTMENTS	3-1-23
5	CONSOLIDATED GAS TRANSMISSION CORPORATION	1-6-9
6	BERRY LAWRENCE C & DOROTHY J	1-6-8
7	WILLIAMS JOHN E HRS WILLIAMS JOHN EDWARD	1-6-4
8	SEIDLER BRIAN	1-6-3
9	BLACKROCK ENTERPRISES LLC	1-6-1
10	SEIDLER BRIAN	1-5-10
11	SEIDLER E DALE & NETTIE L	1-2-6.2
12	SEIDLER EARL DALE & NETTIE	1-2-6.1
13	WV STATE COMMERCE BUREAU OF NAT RESOURCE DIVISION	1-2-6
14	VELLEKOOP PETER B ET UX - TOD	7-27-13
15	GEHO ANNIE L EST	7-27-21
16	OCHSENBEIN RICHARD L	7-27-9
17	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
18	HORNER DELORSE A	7-26-10
19	W VA WILDLIFE RESOURCES SECTION	7-24-1
20	MORGAN JAMES E - LIFE	7-26-14
21	ROMACK VICTOR A	7-19-38
22	HORNER JOHN M & TERESA L	7-19-36
23	HORNER JOHN M & TERESA L	7-19-30.1
24	HORNER DELORSE A - LIFE	7-19-30



04/19/2024

REVISIONS:	COMPANY:			
	OPERATOR'S			
	WELL #:		RITER WTZ	
	DISTRICT:		5H	
CENTER		COUNTY:	STATE:	DRAWN BY: TMF
		WETZEL	WV	SCALE: 1"=2000'
				DRAWING NO: 2549
				WELL LOCATION PLAT 3



SURVEYOR/ENGINEER: 1-304-933-3463
 1700 ANMOORE RD,
 BRIDGEPORT, WV 26330

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WAYNE CARMINT REALTY LLC	3-1-26
B	S&R INVESTMENTS	3-5-1
C	S&R INVESTMENTS	1-6-10
D	GORBY STEPHEN H & BETH ANN	1-5-30
E	RITER HARRY JR MENAS VIOLET R	1-5-20
F	RITER HARRY JR MENAS VIOLET R	1-5-17
G	KOONTZ MICHAEL L KUHN SHAUN D	1-5-34
H	SEIDLER BRIAN	1-5-11
I	KOONTZ MICHAEL L KUHN SHAUN D	1-5-18
J	KOONTZ MICHAEL L KUHN SHAUN D	1-5-17.1
K	BROWN NEILA TRUST	1-5-9
L	WV STATE OF COMM BUREAU OF NATURAL RESOURCES DIVISION	1-5-9.1
M	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1-2-9
N	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-12
O	FERDA BRIAN T ET UX	7-27-16
P	FERDA BRIAN T ET UX	7-27-16.1
Q	FERDA BRIAN T ET UX	7-27-15
R	W VA WILDLIFE RESOURCES SECTION	7-27-17
S	SCHANCK JOSEPH L	7-27-18
T	RIGGS DALENA ETVIR	7-27-3.1
U	RIGGS JOHN E & DALENA	7-27-2.1
V	DEBOLD HOWARD L ET UX	7-27-2.2
W	RIGGS JOHN E JR & DELANA	7-27-2
X	WADE SAMUEL C - TOD	7-27-2.3
Y	RICHMOND MATTHEW ALLAN	7-28-5
Z	MORGAN JAMES E - LIFE	7-28-4
A1	MORGAN JAMES E - LIFE	7-28-3
B2	MASON DIXON FARMS LLC	7-28-2
C3	BLAIR M ZACHARY	7-19-35
D4	HORNER JOHN M & TERESA L	7-19-33
E5	HORNER JOHN M & TERESA L	7-19-32
F6	CHAMBERS MARY L	7-19-31
G7	MASON DIXON FARMS LLC	7-19-1
H8	MASON DIXON FARMS LLC	7-19-8.8
I9	HORNER JOHN M & TERESA L	7-19-12
J10	GRIFFIN M PEGGY REVOCABLE LIVING TRUST	7-19-29
K11	GRIFFIN M PEGGY REVOCABLE LIVING TRUST	7-19-28
L12	UNDERDONK ALAN	7-16-25.1
M13	BURGE JUDITH A & VIRGINIA L BAILEY & SUELLEN MARLING - TOD	7-20-6
N14	GEHO ANNIE L EST	7-20-11
O15	BURLEY AMMON ET UX	7-20-12
P16	BURLEY AMMON	7-20-18
Q17	BURLEY AMMON A	7-20-24
R18	BURLEY AMON A	7-20-37
S19	GRESHAW JASON M & MARY L	7-25-2
T20	BROWN ANDREW C III	7-25-6
U21	HARRINGTON CLYDE F	7-25-7
V22	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9
W23	CONAWAY THOMAS EARL JR & CAROLYN K STOW	7-25-12
X24	CONAWAY THOMAS E	7-23-1
Y25	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26
Z26	LONG LONNY DAVID & LINDA SUE	1-3-2.1
A27	ABEREGG D W EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	1-3-2
B28	WADE MICHAEL CLAY & MCCCELLAND LAWRENCE W - TOD ET AL	7-24-6
C29	WILLIAMS KATHERINE E TRUST	1-3-1
D30	WILLIAMS LONNIE L	1-3-7
E31	WILLIAMS JOHN EDWARD	1-3-8
F32	CONSOLIDATED GAS TRANSMISSION CORP	1-3-5
G33	UNKNOWN	1-6-2
H34	MCGUFFIE ARCH	1-6-5

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

TRACT	SURFACE OWNER	TAX PARCEL
I35	MILLER HARVEY	3-1-7
J36	MILLIKEN KEVIN R ETAL	3-1-8
K37	PHILLIPS JR CHARLES R	3-1-22
L38	WAYNE CARMINT REALTY LLC	3-1-29
M39	WAYNE CARMINT REALTY LLC	3-1-28
N40	WAYNE CARMINT REALTY LLC	3-1-27
O41	SHOWALTER THOMAS HRS	3-1-24
P42	CONSOLIDATED GAS TRANS CORP	3-1-36
Q43	UNKNOWN	
R44	SEIDLER E DALE & NETTIE L	1-5-10.1
S45	VELLEKOOP PETER B ET UX - TOD	7-27-11
T46	VELLEKOOP PETER B ET UX - TOD	7-27-10.1
U47	VELLEKOOP PETER B ET UX - TOD	7-26-6.2
V48	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
W49	GEDEON DANIEL D ET UX	7-26-6
X50	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
Y51	CONSOLIDATED GAS SUPPLY CORP	7-26-8
Z52	BUTLER JOHN M & LISA A	7-26-11.1
A53	HUNDRED RESOURCES INC	7-26-11
B54	YOCUM JOSEPH LEE & MICHAEL D	7-27-4
C55	BURGE DELORES E ET AL	7-27-10
D56	HIGH PHILIP D	7-27-8
E57	MEADOWDALE UNITED METH CH CEM	7-27-6
F58	S&R INVESTMENTS	3-1-25
G59	FROMHART BRAD ET UX - LIFE	7-20-41

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

04/19/2024

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN *R₂ A₁ V⁺*
Production Company™

OPERATOR'S

RITER WTZ

DATE: 01-23-2024

WELL #:

5H

DRAWN BY: TMF

DISTRICT:
CENTER

COUNTY:
WETZEL

STATE:
WV

SCALE: N/A

DRAWING NO: 2549

WELL LOCATION PLAT 4

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

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Exhibit "A"				

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*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.

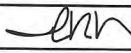
*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

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

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

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

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

Well Operator: SWN Production Company, LLC
 By: 
 Its: Staff Landman

4710303645

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, LLC
1	1-5-19	Green Dot Farm, Inc., a West Virginia corporation	SWN Production Company, LLC	19.00%	283A/574	0.00%
2	1-6-7	William B. Francik and Pamela S. Francik, husband and wife, as JTWRDS Statoil USA Onshore Properties, Inc. EQT Production Company Thomas J. Iacoboni, A married Man dealing in His sole and Separate Property Statoil USA Onshore Properties, Inc. EQT Production Company TH Exploration II, LLC TH Exploration, Inc. EQT Production Company	Statoil USA Onshore Properties, Inc. EQT Production Company SWN Production Company, LLC Statoil USA Onshore Properties, Inc. EQT Production Company SWN Production Company, LLC TH Exploration, Inc. EQT Production Company SWN Production Company, LLC	18.00% 18.00% 18.00%	164A/256 175A/707 279A/35 164A/248 175A/707 279A/35 252A/110 258A/333 279A/35	0.00%
3	1-6-11	Stone Hill Mineral Holdings TH Exploration, Inc.	TH Exploration, Inc. SWN Production Company, LLC	18.000%	261A/890 49/615	0.00%
4	3-1-23	Stone Hill Mineral Holdings TH Exploration, Inc.	TH Exploration, Inc. SWN Production Company, LLC	18.000%	261A/890 49/615	0.00%
5	1-6-9	William B. Francik and Pamela S. Francik, husband and wife, as JTWRDS Statoil USA Onshore Properties, Inc. EQT Production Company Thomas J. Iacoboni, A married Man dealing in His sole and Separate Property Statoil USA Onshore Properties, Inc. EQT Production Company TH Exploration II, LLC TH Exploration, Inc. EQT Production Company	Statoil USA Onshore Properties, Inc. EQT Production Company SWN Production Company, LLC Statoil USA Onshore Properties, Inc. EQT Production Company SWN Production Company, LLC TH Exploration, Inc. EQT Production Company SWN Production Company, LLC	18.00% 18.00% 18.00%	164A/256 175A/707 279A/35 164A/248 175A/707 279A/35 252A/110 258A/333 279A/35	0.00%
6	1-6-8	Royalty Owner(s) (subject to unitization filing dated February 28, 2024)	N/A	N/A	N/A	100%
7	1-6-4	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12.50%	166A/931	0.00%
8	1-6-3	Morris Mountaineer Oil and Gas, LLC Antero Resources Corporation Stone Hill Minerals Holdings, LLC TH Exploration, LLC Gore-Morris Trust, by WesBanco Bank, Inc., as Successor Trustee Antero Resources Corporation Blackrock Enterprises, LLC Antero Resources Corporation EQT Production Company	Antero Resources Corporation SWN Production Company, LLC TH Exploration, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC	20.00% 20.00% 20.00% 20.00%	257A/400 272A/588 261A/890 49/615 257A/394 272A/588 273A/383 324A/748 343A/154	0.00%
9	1-6-1	Morris Mountaineer Oil and Gas, LLC Antero Resources Corporation Piney Holdings, Inc. Antero Resources Corporation EQT Production Company Piney Holdings, Inc. Gore-Morris Trust, by WesBanco Bank, Inc., as Successor Trustee Antero Resources Corporation Blackrock Enterprises, LLC Antero Resources Corporation EQT Production Company	Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC SWN Production Company, LLC Antero Resources Corporation SWN Production Company, LLC Antero Resources Corporation EQT Production Company SWN Production Company, LLC	20.00% 20.00% 20.00% 20.00%	257A/400 272A/588 293A/417 231A/59 279A/35 355A/631 257A/394 272A/588 273A/383 324A/748 343A/154	0.00%
10	1-5-10	Nettie L. Seidler Antero Resources Corporation Antero Resources Corporation EQT Production Company Piney Holdings, Inc. Antero Resources Corporation Antero Resources Corporation EQT Production Company	Antero Resources Corporation EQT Production Company EQT Production Company SWN Production Company, LLC Antero Resources Corporation EQT Production Company EQT Production Company SWN Production Company, LLC	18.00%	212A/235 231A/59 231A/158 279A/35 189A/56 231A/59 231A/158 279A/35	0.00%
11	1-2-6.2	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	166A/931	0.00%
12	1-2-6.1	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	166A/931	0.00%
13	1-2-6	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	166A/931	0.00%
14	7-27-13	Ralph W. Evans and Nellie F. Evans, his wife; Brooks B. Evans and Sara E. Evans, his wife; Harold P. Evans and Maude Evans, his wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC	12.50%	299/327 422/204 642/281	0.00%

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Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, LLC
		Columbia Natural Resources, LLC Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC)		650/63 662/322 675/279 33/110 33/424	
15	7-27-21	Kathryn Gillingham, widow; Lucy V. Smith, widow; and Madge Moore and Albert W. Moore, wife and husband The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC)	12.50%	371/525 422/204 642/281 650/63 662/322 675/279 33/110 33/424	0.00%
16	7-27-9	Josephine Faust, et al The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Chesapeake Appalachia, LLC	Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC	12.50%	375/545 422/204 662/322 675/279 33/110 33/424 36/422	0.00%
17	7-27-5	I.D. Franklin and Bessie J. Franklin, husband and wife The Manufacturers Light and Heat Company Union Gasoline & Oil Corporation The Preston Oil Company The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Chesapeake Appalachia, LLC	The Manufacturers Light and Heat Company Union Gasoline & Oil Corporation The Preston Oil Company The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC	12.50%	342/448 220/353 2/136 2/225 422/204 662/322 675/279 33/110 33/424 36/422	0.00%
18	7-26-10	Lorraine E. Parriott, acting as Trustee for the Parriott Family Trust dated July 23, 1996, and Lorraine E. Parriott Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Chesapeake Appalachia, LLC SWN Exchange Titleholder LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC SWN Production Company, LLC	12.50%	669/23 675/279 33/110 33/424 36/422 19/624	0.00%
19	7-24-1 (Subtract 1)	J.N. Pyles and Iva B. Pyles, his wife; E. C. Pyles, single; J.B. Whitlatch and Edna Whitlatch, his wife; Robert E. Loper and Lovernia L. Loper, his wife; Paul G. Benedum and Willeen Benedum, his wife; Maxine L. Jaworek and Walter A. Jaworek, her husband; Eleanor M. Hinerman and Emmett Hinerman, her husband; Elizabeth H. Paull and Philip D. Paull, her husband; Lester Hicks and Josephine Hicks, his wife; Virginia Neal and F.S. Neal, her husband The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. Nancy B. Divita, married dealing in her sole and separate property	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, LLC Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC	12.50%	299/336 Refiled 299/465 422/204 642/281 650/63 662/322 675/279 33/110 33/424	0.00%
19	7-24-1 Subtract 2	Debbie Coleman, a single woman Chesapeake Appalachia, LLC Linda Turner and Dennis Turner, her husband Chesapeake Appalachia, LLC Gary Scott, a single man Chesapeake Appalachia, LLC Chestnut Holdings, a Florida corporation Chesapeake Appalachia, LLC Olive M. Martin SASP and Barry A. Martin SASP Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00% 17.00% 17.00% 17.00% 12.50%	742/200 33/110 742/523 33/110 742/533 33/110 723/625 33/110 687/95 33/110	0.00%

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Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, LLC
		O. E. Burge and Sarah Lou Burge, his wife and Stephen Burge, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.75%	708/137 33/110	
		Charles Albert Sloan, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	709/101 33/110	
		Imogene Verna Chambers aka Verna Imogene Chambers, a widow	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	716/360 33/110	
		Lawrence Leroy Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	715/481 33/110	
		Alma Lovene Sampson, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	716/322 33/110	
		Lawrence Leroy Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	715/481 33/110	
		Bonnie Ann Perry, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	716/151 33/110	
		David Lee Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	716/141 33/110	
		Rickie Gene Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	716/146 33/110	
		Pamela S. Cunningham, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	717/007 33/110	
		Dorothy Lynn Newell, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	715/535 33/110	
		Wanda M. Frazee aka Wanda Marie Frazee fka Wanda M. Maxwell fka Wanda Marie Maxwell fka Wanda M. Maxwell, a widow	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	722/495 33/110	
		David Scott and Janet May Scott, his wife	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	742/528 33/110	
		Juanita Pearl McCracken, a single woman, by her guardian, Erin Bitz Simpson	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	742/116 33/110	
		Basil F. McCracken and Dorothy McCracken, his wife	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	742/158 33/110	
		Stephanie Bitz, a single woman	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	742/513 33/110	
		Erin Simpson, f/k/a Erin Bitz and Matt Simpson, her husband	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	742/518 33/110	
		Anna Lucy McCracken, a single woman	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	744/90 33/110	
		Rolland Dean McCracken aka Rolland D. McCracken, a single man, by his Attorney-in-Fact,				
		Rebecca Jo Kuzba	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	747/228 33/110	
		Martha McCracken, a widow	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	747/234 33/110	
		Erma Jean Carr, a widow	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	758/372 33/110	
		Harold Carr and Loraine Carr, his wife	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	758/366 33/110	
		Alton Carr, a single man	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	758/354 33/110	
		Beatrice Criss, a single woman	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	758/348 33/110	
		Delorice Boyd and Robert Boyd, her husband	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	758/378 33/110	
		Barbara K. O'Brien a/k/a Barbara K. O'Brian, a married woman dealing in her sole and separate property	SWN Production Company, LLC	17.00%	1037/274	
		Robert Bissett, divorced	SWN Production Company, LLC	15.00%	942/504	
		Connie J. Brown, a widow	SWN Production Company, LLC	15.00%	931/427	
		Mary Lee Miller, a single woman	SWN Production Company, LLC	15.00%	952/113	
		Rena Kolton, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	916/509	
		Tabitha L. Allen, n/k/a Tabitha L. Marling, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	931/424	
		Loretta Rohm, a single woman	SWN Production Company, LLC	15.00%	919/151	
		Chester Guzek, widower, Life Estate and Amy Jo Simpson, a married woman dealing in her sole and separate property, Remainderman, and Chester Craig Guzek, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	916/501	
		Terry Cumpston, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	916/512	

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04/19/2024

EXHIBIT "A"

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

Riter WTZ 5H

Marshall and Wetzel County, West Virginia

4710303645

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, LLC
		Wanda M. Woodruff, a.k.a. Wanda Mae Woodruff, a widow	SWN Production Company, LLC	15.00%	916/516	
		Norma L. Williams, married and dealing in her sole and separate property	SWN Production Company, LLC	15.00%	919/157	
		Rose Anne Sloan, a single woman	SWN Production Company, LLC	15.00%	916/514	
		Theo Sue Mager, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	916/499	
		Maria Bell, a single woman	SWN Production Company, LLC	15.00%	916/519	
		Joseph Grof, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	916/489	
		Sondra Kay English, a widow	SWN Production Company, LLC	15.00%	916/493	
		Donna Cunningham, n/k/a				
		Donna D. Sims, married and dealing in her sole and separate property	SWN Production Company, LLC	15.00%	916/487	
		Ralph P. Pasquino, Jr., a married man	SWN Production Company, LLC	13.00%	916/495	
		Linda Suzette Sills and Michael J. Sills, her husband	SWN Production Company, LLC	12.50%	916/497	
		Anne Campbell Gleine, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	919/155	
		Glen Kermit Wendt, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	916/491	
		William Grof, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	925/535	
		Richard Bissett, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	925/537	
		Debra Lynn Frye, n/k/a Debra Lynn Johnson, a divorced woman	SWN Production Company, LLC	15.00%	933/301	
		Lucille R. Young, a widow	SWN Production Company, LLC	15.00%	932/71	
		Angel Marie Frye, a/k/a Angel Frye Messenger, a single woman	SWN Production Company, LLC	15.00%	944/285	
		Terry Riter, a single man	SWN Production Company, LLC	15.00%	935/237	
		Chad Chaplin, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	935/226	
		Ralph Chaplin, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	935/228	
		Mary Martha Leichter, married, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	935/289	
		Gary F. Cheon, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	945/411	
		Violet Rose Menas, a widow	SWN Production Company, LLC	15.00%	945/426	
		Frederick Komorowski, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	945/430	
		Nazarene Church of Moundsville	SWN Production Company, LLC	17.00%	Pending	
		Austin Frye, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	951/279	
		Austin Frye, Power of Attorney for Vernon Glen Frye, a single man	SWN Production Company, LLC	15.00%	951/271	
		Austin Frye, Power of Attorney for Charles Arnold Frye, a single man	SWN Production Company, LLC	15.00%	951/275	
		James R. Chaplin, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	955/555	
		Robert McCracken, married, SASP	Chesapeake Appalachia, LLC	15.00%	955/204	
		Harry Riter, Jr., a single man	SWN Production Company, LLC	15.00%	952/100	
		Marlene DeMarco, a widow	SWN Production Company, LLC	18.00%	955/342	
		Constance Kay Hans, a married woman dealing in her sole and separate property	SWN Production Company, LLC	13.00%	960/273	
		Laura Miller, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	Pending	
		Merl Chaplin, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.00%	961/185	
		Floyd Kevin Chaplin, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.00%	1010/190	
		Dana Sue Magers, a married woman dealing in her sole and separate property	SWN Production Company, LLC	17.00%	1010/276	
		Crystal L. Bohrer, a/k/a Crystal Bohrer, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	1010/644	
		Pamela S. Rushman, a/k/a Pam Rushman, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	1010/634	
		Jane Smith, Power of Attorney for Edith Postlethwaite	SWN Production Company, LLC	17.00%	1032/509	
		Carol S. Holmes, Trustee of the JoClare H. Holmes Truste, dated July 15, 1997	SWN Production Company, LLC	17.00%	1037/453	
		Martha J. Sego, a married woman dealing in her sole and separate property	SWN Production Company, LLC	17.00%	1035/175	
		Phyllis E. Bogzevitz a/k/a Phyllis Bognevit, a married woman dealing in her sole and separate property	SWN Production Company, LLC	17.00%	1035/185	
		Rodney M. Cheon	SWN Production Company, LLC	18.00%	1047/462	
		Larry W. Cheon	SWN Production Company, LLC	18.00%	1047/465	
		Archie J. Chaplin, a single man	SWN Production Company, LLC	18.00%	1053/220	
		Elmer David Parks and Helen J. Parks, his wife	SWN Production Company, LLC	17.00%	1023/374	
20	7-26-14 Subact 2	Jack Cooper Wallace, divorced		17.00%	950/51	0.00%
			SWN Production Company, LLC			
		Dan Foster Wallace, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.00%	950/46	
		Pamela Sue Wallace, a widow	SWN Production Company, LLC	17.00%	950/56	
		Heirs or Deviseses of Martha L. Gillet, deceased	SWN Production Company, LLC	17.00%	1067/548	

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EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator
 Riter WTZ 5H
 Marshall and Wetzel County, West Virginia

4710303645

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, LLC
7-26-14 Subtract 1		Mildred Pyle Strausser and Earl Strausser, her husband The Manufacturers Light and Heat Company Union Gasoline & Oil Corporation The Prestion Oil Company The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	The Manufactureers Light and Heat Company Union Gasoline & Oil Corporation The Prestion Oil Company The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC SWN Production Company, LLC	12.50%	353/83 220/353 2/136 2/225 422/204 662/322 675/279 33/110 33/424 36/422 19/624	
		Mildred Pyle Strausser and Earl Strausser, her husband The Manufacturers Light and Heat Company Union Gasoline & Oil Corporation The Prestion Oil Company The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	The Manufactureers Light and Heat Company Union Gasoline & Oil Corporation The Prestion Oil Company The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC SWN Production Company, LLC	12.50%	353/83 220/353 2/136 2/225 422/204 662/322 675/279 33/110 33/424 36/422 19/624	
21	7-19-38	John C. Richards Sonia M. Richards	SWN Production Company, LLC SWN Production Company, LLC	16.00% 16.00%	919/148 919/418	0.00%
22	7-19-36	Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC) SWN Production Company, LLC		662/322 675/279 36/422 33/424 19/624	0.00%
23	7-19-30.1	Sydney Clark Merritt, f/k/a Sydney Ann Clark, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Charles L Ackerman, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Charlotte Ackerman, a single woman Chesapeake Appalachia, LLC Arthur Manning Clark, a single man Chesapeake Appalachia, LLC Mary D. Garret, a widow Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50% 12.50% 12.50% 12.50% 12.50%	658/490 33/110 663/305 33/110 662/624 33/110 665/297 33/110 690/223 33/110	0.00%
24	7-19-30	Sydney Clark Merritt, f/k/a Sydney Ann Clark, a married woman dealing in her sole and separate property Chesapeake Appalachia, LLC Charles L Ackerman, a married man dealing in his sole and separate property Chesapeake Appalachia, LLC Charlotte Ackerman, a single woman Chesapeake Appalachia, LLC Arthur Manning Clark, a single man Chesapeake Appalachia, LLC Mary D. Garret, a widow Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50% 12.50% 12.50% 12.50% 12.50%	658/490 33/110 663/305 33/110 662/624 33/110 665/297 33/110 690/223 33/110	0.00%
B54 (Adjacent Parcel/ Possible Wellbore)	7-27-4	I.D. Franklin and Bessie J. Franklin, husband and wife The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, LLC Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN Production Company LLC)		209/168 422/204 642/281 650/63 662/322 675/279 33/110 33/424	0.00%
C55 (Adjacent Parcel/ Possible Wellbore)	7-27-10	Flora Grathwell (Flo Grathwell) and Sam Grathwell, her husband; Georgia Snyder and B.L. Snyder, her husband; John P. Franklin and Lucille Franklin, his wife	The Manufacturers Light and Heat Company		371/581	0.00%

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EXHIBIT "A"

4710303645

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

Riter WTZ 5H

Marshall and Wetzel County, West Virginia

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased by Southwestern Production Company, LLC
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC		650/63	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC (now SWN Production Company LLC)		33/424	

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4710303645

SWN Production Company, LLC
1300 Fort Pierpont Dr, Ste 201
Morgantown, WV 26508
Tel: 304.884.1610
Fax: 304.471.2497
www.swn.com

February 28, 2024

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

RE: SWN's proposed New Well: Riter WTZ 5H in Wetzel County, West Virginia, Drilling under Johnson Ridge Road, Proctor Creek Road, Amos Hollow Road, Co Hwy 250/18, Woodchuck Lane, and Low Gap Road.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Johnson Ridge Road, Proctor Creek Road, Amos Hollow Road, Co Hwy 250/18, Woodchuck Lane, and Low Gap Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Ian R. Nicas
Staff Landman
SWN Production Company, LLC

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Environmental Protection

The Right People doing the Right Things,
wisely investing the cash flow from our
underlying Assets, will create value.

04/19/2024

**Horizontal Natural Gas Well Work Permit
Application Notice By Publication**

Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: Wetzel Chronicle

Public Notice Date: December 27, 2023 & January 3, 2024

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Applicant: SWN Production Company, LLC **Well Number:** Riter WTZ 5H ✓

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508

Business Conducted: Natural gas production.

Location –

State:	<u>West Virginia</u>	County:	<u>Wetzel ✓</u>	RECEIVED Office of Oil and Gas
District:	<u>Center ✓</u>	Quadrangle:	<u>Littleton ✓</u>	
UTM Coordinate NAD83 Northing:	<u>4,394,864.861 ✓</u>			<u>MAR 13 2024</u>
UTM coordinate NAD83 Easting:	<u>536,908.209 ✓</u>			
Watershed:	<u>Upper Ohio-Wheeling ✓</u>			WV Department of Environmental Protection

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

Reviewing Applications:

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.comments@wv.gov.

Submitting Comments:

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

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

Date of Notice Certification: 3/12/24

API No. 47- 103 - _____
Operator's Well No. Riter WTZ 5H
Well Pad Name: Riter WTZ pad

Notice has been given:

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

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>536908.209</u>
County: <u>103-Wetzel</u>		Northing: <u>4394864.861</u>
District: <u>Center</u>	Public Road Access:	<u>C.R. 8</u>
Quadrangle: <u>Littleton</u>	Generally used farm name:	<u>Riter WTZ</u>
Watershed: <u>Upper Ohio Wheeling</u>		

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

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED <input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED <input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION <input checked="" type="checkbox"/> 5. PUBLIC NOTICE <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED
RECEIVED Office of Oil and Gas MAR 13 2024 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.

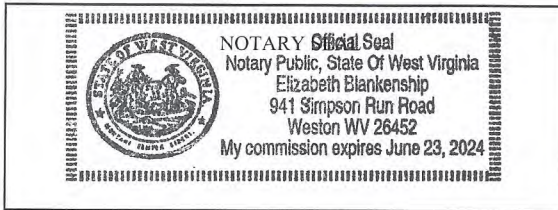
04/19/2024

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:	<u>SWN Production Co., LLC</u>	Address:	<u>1300 Fort Pierpont Dr., Suite 201</u>
By:	<u>Brittany Woody</u>		<u>Morgantown, WV 26508</u>
Its:	<u>Staff Regulatory Specialist</u>	Facsimile:	<u>304-884-1690</u>
Telephone:	<u>304-884-1610</u>	Email:	<u>Brittany_Woody@swn.com</u>

Brittany Woody



Subscribed and sworn before me this 8 day of February 2024
Elizabeth Blankenship Notary Public
 My Commission Expires 6/23/2024

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 APPLICATION

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

Date of Notice: 3/12/24 Date Permit Application Filed: 3/13/24

Notice of:

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

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

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

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Harry Riter Jr.
Address: 1156 Madrid Street
Akron, OH 44313

Name: Violet R. Menas
Address: PO Box 105
Farmington, WV 26571

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

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: Consol Energy Attn: Casey Saunders
Address: 275 Technology Drive, Suite 201
Canonsburg, PA 15317

COAL OPERATOR

Name: _____
Address: _____

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

Name: See Attachment 13A
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: TC Energy Attn: Garrett Word
Address: Houston Office Bank of America 700 Louisiana St
Houston, TX 77002

*Please attach additional forms if necessary

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

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

Date of Notice: 3/12/24 **Date Permit Application Filed:** 3/13/24

Notice of:

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

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

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

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Joseph F. Blake & Gay K. Blake Irrevocable Grantor Trust
Address: 1686 Cameron Road
Cumberland, WV 26047

Name: _____
Address: _____

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

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

COAL OPERATOR

Name: _____
Address: _____

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

Name: _____
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

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Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

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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

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WW-6A
(8-13)

4710303645
API NO. 47- 103 -
OPERATOR WELL NO. Riter WTZ 5H
Well Pad Name: Riter WTZ pad

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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

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Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

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WV Department of
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04/19/2024

WW-6A
(8-13)

API NO. 4710303645
OPERATOR WELL NO. Riter WZ 5H
Well Pad Name: Riter WZ pad

Notice is hereby given by:

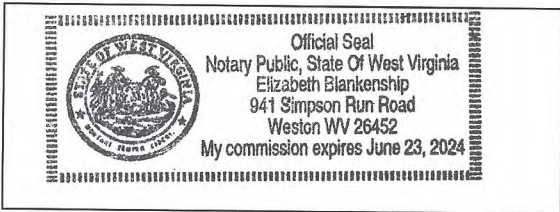
Well Operator: SWN Production Co., LLC
Telephone: 304-884-1610
Email: Brittany_Woody@swn.com

Brittany Woody

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

Oil and Gas Privacy Notice:

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



Subscribed and sworn before me this 8 day of Feb, 2024.
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2024

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WV Department of
Environmental Protection

04/19/2024

4710303645

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

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

Date of Notice: 12/8/2022 **Date of Planned Entry:** 12/15/2022

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

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

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

Notice is hereby provided to:

SURFACE OWNER(s)
 Name: Violet R. Menas & Harry Riter, Jr.
 Address: 1156 Madrid Street
Akron, OH 44313
 Name: _____
 Address: _____
 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: Consol Energy Attn: Casey Saunders
 Address: 275 Technology Drive, Suite 101
Canonsburg, PA 15317

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MINERAL OWNER(s)
 Name: Thomas J. Iacoboni, Revocable Trust
 Address: 15635 Yeoho Road
Sparks Glencoe, MD 21152

MAR 13 2024
WV Department of
Environmental Protection

*please attach additional forms if necessary

Notice is hereby given:

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

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>39.702779, -80.569307</u>
County: <u>Wetzel</u>	Public Road Access: <u>C.R. 8</u>
District: <u>Center</u>	Watershed: <u>Upper Ohio- Wheeling</u>
Quadrangle: <u>Littleton</u>	Generally used farm name: <u>Riter</u>

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

Notice is hereby given by:

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

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

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

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

Date of Notice: 12/8/2022 **Date of Planned Entry:** 12/15/2022

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

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

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

Notice is hereby provided to:

SURFACE OWNER(s)
 Name: _____
 Address: _____

Name: _____
 Address: _____

Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: _____
 Address: _____

MINERAL OWNER(s)
 Name: Green Dot Farms, Inc.
 Address: 7812 Low Gap Run Road
Littleton, WV 26581

*please attach additional forms if necessary

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Office of Oil and Gas

MAR 13 2024

WV Department of
Environmental Protection

Notice is hereby given:

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

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>39.702779, -80.569307</u>
County: <u>Wetzel</u>	Public Road Access: <u>C.R. 8</u>
District: <u>Center</u>	Watershed: <u>Upper Ohio- Wheeling</u>
Quadrangle: <u>Littleton</u>	Generally used farm name: <u>Ritter</u>

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

Notice is hereby given by:

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

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

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

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

Date of Notice: 12/8/2022 **Date of Planned Entry:** 12/15/2022

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

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

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

Notice is hereby provided to:

SURFACE OWNER(s)
 Name: _____
 Address: _____

 Name: _____
 Address: _____

 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: _____
 Address: _____

MINERAL OWNER(s)
 Name: TH Exploration II, LLC
 Address: 1320 S. University Drive, Suite 500
Fort Worth, TX 76107
 *please attach additional forms if necessary

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Office of Oil and Gas
MAR 13 2024
WV Department of
Environmental Protection

Notice is hereby given:

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

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>39.702779, -80.569307</u>
County: <u>Wetzel</u>	Public Road Access: <u>C.R. 8</u>
District: <u>Center</u>	Watershed: <u>Upper Ohio- Wheeling</u>
Quadrangle: <u>Littleton</u>	Generally used farm name: <u>Ritter</u>

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

Notice is hereby given by:

Well Operator: <u>SWN PRODUCTION COMPANY, LLC</u>	Address: <u>1300 Fort Pierpont Dr., Suite 201</u>
Telephone: <u>304-884-1610</u>	<u>Morgantown, WV 26508</u>
Email: <u>Brittany_Woody@swn.com</u>	Facsimile: <u>304-884-1690</u>

Oil and Gas Privacy Notice:

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04/19/2024

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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 Notice: 12/8/2022 **Date of Planned Entry:** 12/15/2022

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

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

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Notice is hereby provided to:

SURFACE OWNER(S)

Name: Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust
Address: 1686 Cameron Road
Cumberland, WV 26047

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____ RECEIVED
Address: _____ Office of Oil and Gas

MAR 13 2024

MINERAL OWNER(S)

Name: _____ WV Department of
Address: _____ Environmental Protection

*please attach additional forms if necessary

Notice is hereby given:

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

State: West Virginia
County: Wetzel
District: Center
Quadrangle: Littleton

Approx. Latitude & Longitude: 39.702779, -80.569307
Public Road Access: C.R. 8
Watershed: Upper Ohio- Wheeling
Generally used farm name: Ritter

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

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

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

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04/19/2024

4710303645

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

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

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.

Date of Notice: 12/21/2023 **Date Permit Application Filed:** _____

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

- HAND DELIVERY
- CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Harry Riter, Jr.
Address: 1156 Madrid Street
Akron, OH 44313-5240

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>WV</u>	UTM NAD 83 Easting: <u>536,908.209</u>
County: <u>Wetzel</u>	Northing: <u>4,394,864.861</u>
District: <u>Center</u>	Public Road Access: <u>Long Gap Run Road</u>
Quadrangle: <u>Littleton</u>	Generally used farm name: <u>Riter</u>
Watershed: <u>Upper Ohio-Wheeling</u>	

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: SWN Production Company, LLC
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Telephone: 304-884-1675
Email: Justin_Booth@swn.com
Facsimile: _____

Authorized Representative: Justin Booth
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Telephone: 304-884-1675
Email: Justin_Booth@swn.com
Facsimile: _____

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.

04/19/2024

4710303645

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

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

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.

Date of Notice: 12/21/2023 **Date Permit Application Filed:** _____

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Violet R. Menas
Address: PO Box 105
Farmington, WV 26571

Name: _____
Address: _____ **MAR 13 2024**

RECEIVED
Office of Oil and Gas

WV Department of
Environmental Protection

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 536,908.209
County: Wetzel Northing: 4,394,864.861
District: Center Public Road Access: Long Gap Run Road
Quadrangle: Littleton Generally used farm name: Riter
Watershed: Upper Ohio-Wheeling

This Notice Shall Include:

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Telephone: 304-884-1675
Email: Justin_Booth@swn.com
Facsimile: _____

Authorized Representative: Justin Booth
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Telephone: 304-884-1675
Email: Justin_Booth@swn.com
Facsimile: _____

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04/19/2024

47 10 30 36 45

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
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Date of Notice: 12/21/2023

Date Permit Application Filed: _____

RECEIVED
Office of Oil and Gas

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY
 CERTIFIED MAIL
RETURN RECEIPT REQUESTED

MAR 13 2024

WV Department of
Environmental Protection

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Notice is hereby provided to the SURFACE OWNER(s):

Name: CONSOL Energy ATTN: Casey Saunders
Address: 275 Technology Drive, Suite 101
Canonsburg, PA 15317-9565

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

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District: Center Public Road Access: Long Gap Run Road
Quadrangle: Littleton Generally used farm name: Riter
Watershed: Upper Ohio-Wheeling

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04/19/2024

WW-6A5
(1/12)

Operator Well No. Riter Wtz 5H

4710303645

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

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

Date of Notice: 12/21/2023 **Date Permit Application Filed:** _____

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL HAND
- RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

RECEIVED
Office of Oil and Gas

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(at the address listed in the records of the sheriff at the time of notice):

Name: Harry Riter, Jr.
Address: 1156 Madrid Street
Akron, OH 44313-5240

Name: _____
Address: _____

MAR 13 2024

WV Department of
Environmental Protection

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04/19/2024

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47 10 30 36 45

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Address: _____

RECEIVED
Office of Oil and Gas

MAR 13 2024

WV Department of
Environmental Protection

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04/19/2024



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager
District Four

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

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

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

January 16, 2024

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

**Subject: DOH Permit for the Riter Well Pad, Wetzel County
Riter WTZ 5H Well Site**

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2023-0051 which has been issued to SWN Production Company, LLC for access to the State Road for a well site located off Wetzel County Route 8 SLS MP 6.43.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Stephen G. Johnson, P.E.
Director of Operations

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

Attachment VI Frac Additives

Product Name	Product Use	Chemical Name	CAS Number
HCL	Solvent	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
FSTI-CI-02	Corrosion Inhibitor	2-Butoxyethanol	111-76-2
		Ethylene glycol	107-21-1
		N,N-Dimethylformamide	68-12-2
		benzyl chloridequaternized	72480-70-7
		Cinnamaldehyde	104-55-2
		Isopropyl alcohol	67-63-0
		Poly(oxy-1,2-ethanediy), .alpha.-(nonylphenyl)- .omega.-hydroxy-	9016-45-9
		1-Decanol	112-30-1
Ferroplex 80	Iron Control	1-Octanol	111-87-5
		Triethyl phosphate	78-40-0
Tolicide 4Frac	Biocide	Sodium Erythorbate	6381-77-7
		Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8
Plexslick 930	Friction Reducer	Quaternary ammonium compounds	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
		Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Oleic Acid Diethanolamide	93-83-4
		Alcohol Ethoxylate Surfactants	68551-12-2
Plexaid 655NM	Scale Inhibitor	Ammonium Chloride	12125-02-9
		Sodium Chloride	7647-14-5
Plexaid 655NM	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
Plexslick V996	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Sodium Chloride	7647-14-5
Plexaid 655WG	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
		Glycerin	67-56-1
Clearal 270	Biocide	Glutaraldehyde	111-30-8
		Didecyldimethylammonium Chloride	7173-51-5
		Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
StimSTREAM SC 398 CW	Scale Inhibitor	Ethylene glycol	107-21-1
		CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5
StimSTREAM FR 9800	Friction Reducer	Chemstream-Alkane-00001	Chemstream-Alkane-00001
		Chemstream-Polymer-00001	Chemstream-Polymer-00001
		Ethoxylated alcohols (C12-16)	68551-12-2
		Water	7732-18-5
StimSTREAM FR 2800	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9
		Water	7732-18-5
StimSTREAM FR 9725	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium Chloride	12125-02-9
		Water	7732-18-5
StimSTREAM SC 398 C	Scale Inhibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5

As of 7/5/2023

RECEIVED
Office of Oil and Gas

MAR 13 2024

WV Department of
Environmental Protection

OPERATOR: SWN Production Co., LLC

WELL NO: Riter WTZ 5H

PAD NAME: Riter WTZ pad

REVIEWED BY: _____

SIGNATURE: *Brittany Neady*

RECEIVED
Office of Oil and Gas

WELL RESTRICTIONS CHECKLIST

MAR 13 2024

HORIZONTAL 6A WELL

WV Department of
Environmental Protection

Well Restrictions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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4	EVALUATION PLAN WITH USGS MAP
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8	OVERALL GRADING & ESC PLAN
9	GEOMETRIC LAYOUT PLAN
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11	ACCESS ROAD CROSS SECTIONS
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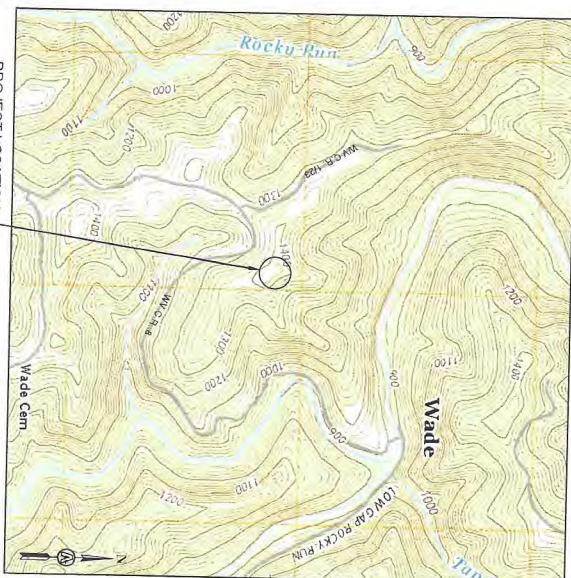
SOUTHWESTERN PRODUCTION COMPANY, LLC

CONSTRUCTION PLANS FOR

RITER WELL PAD

WETZEL COUNTY, WV

DECEMBER 2022



PROJECT LOCATION
LITTLETON QUADRANGLE REFERENCE MAP
WATERSHED - UPPER OHIO-WHEELING
DISTRICT - CENTER

PROJECT COORDINATOR:
JOHN DUBOWSKI
CONSULTING SUPERINTENDENT
SOUTHWESTERN PRODUCTION COMPANY, LLC
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
PHONE: (304) 933-3433
EMAIL: JMD@SWN.COM

PROJECT MANAGER:
ERIC SHORT
ASCENT CONSULTING & ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
PHONE: (304) 933-3433
EMAIL: ERIC@ASCENTCONSULTINGENGINEERS.COM

ENGINEER:
MICHAEL R. RITNER
REGISTERED PROFESSIONAL ENGINEER
ASCENT CONSULTING & ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
PHONE: (304) 933-3433
EMAIL: MR@ASCENTCONSULTINGENGINEERS.COM

ENVIRONMENTAL:
DETRAMENTS OF SURFACE WATER
ASCENT CONSULTING & ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
DATED OCTOBER 2022

TOROGRAPHIC INFORMATION:
HORIZONTAL POSITIONS IN THIS PLAN ARE
BASED ON WEST VIRGINIA STATE PLANS NORTH
ZONE, IN U.S. SURVEY FEET.

LOCAL EMERGENCY SERVICES

NAME	ST. LOUIS
AMBULANCE	911
HOSPITAL EMERGENCY ROOM	(304) 845-3211
FIRE DEPARTMENT	911
POLICE DEPARTMENT	911
POISON CONTROL CENTER	(800) 222-1222

LOCATION COORDINATES

ACCESS ROAD ENTRANCE	LONGITUDE: 80.571777 W (DECIMAL DEGREES)	LONGITUDE: 80°34'18.40" W (WV SP-43 FEET)	LONGITUDE: 80°34'18.40" W (UTM ZONE 17, METERS)
	LONGITUDE: 39°42'07.07" N (DECIMAL DEGREES)	LONGITUDE: 1666561.2424 E (WV SP-43 FEET)	LONGITUDE: 1666561.2424 E (UTM ZONE 17, METERS)
	LONGITUDE: 4394786.728 E (DECIMAL DEGREES)	LONGITUDE: 4394786.728 E (WV SP-43 FEET)	LONGITUDE: 4394786.728 E (UTM ZONE 17, METERS)
WELL PAD CENTER:	LONGITUDE: 80.589011 W (DECIMAL DEGREES)	LONGITUDE: 80°35'09.81" W (WV SP-AD27 FEET)	LONGITUDE: 80°35'09.81" W (UTM ZONE 17, METERS)
	LONGITUDE: 39°42'10.00" N (DECIMAL DEGREES)	LONGITUDE: 1667951.3416 E (WV SP-AD27 FEET)	LONGITUDE: 1667951.3416 E (UTM ZONE 17, METERS)
	LONGITUDE: 439840.354 E (DECIMAL DEGREES)	LONGITUDE: 1699088.395 E (WV SP-AD27 FEET)	LONGITUDE: 1699088.395 E (UTM ZONE 17, METERS)
	LONGITUDE: 439840.354 E (DECIMAL DEGREES)	LONGITUDE: 539823.329 E (WV SP-AD27 FEET)	LONGITUDE: 539823.329 E (UTM ZONE 17, METERS)

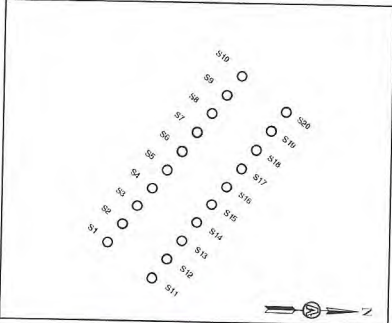
LIMITS OF DISTURBANCE BY PROPERTY:

PROPERTY#	PROPERTY OWNER	ACRES DISTURBED
52-01-5-0017-0000-0000	RITER HARRY JR & MEANS VIOLETT R	17.29 AC
52-01-5-0018-0000-0000	RITER HARRY JR & MEANS VIOLETT R	3.27 AC
52-01-5-0020-0000-0000	RITER HARRY JR & MEANS VIOLETT R	0.93 AC
52-01-5-0007-0000-0000	BLAKE GAY KAREN & JOSEPH F	2.45 AC
WV C.R. 8 & C.R. 123	WV DEPT. OF HIGHWAYS RIGHT-OF-WAY	1.02 AC
TOTAL LIMITS OF DISTURBANCE:		30.00 ACRES

EARTH WORK SUMMARY

ROCK EXCAVATION: 10%	117,900 CY
OVERBURN SHANK FACTOR: 8%	79,000 CY
TOTAL PAD CUT:	800 CY
C.R. 8 WIDENING:	15,900 CY
NET WASTE STOCKPILE:	22,200 CY

- DRIVING DIRECTIONS**
- 1) HEAD NORTH ON FORT PIERPOINT DR. 0.3 MILES
 - 2) TURN RIGHT ON FORT PIERPOINT DR. 482 FEET
 - 3) TURN LEFT ON CHEAT RD. 0.8 MILES
 - 4) TURN LEFT TO MERGE ONTO I48 W TOWARD I-79. 0.5 MILES
 - 5) MERGE LEFT ONTO I-79 WEST TOWARD WASHINGTON UNIVERSITY. 0.2 MILES
 - 6) TAKE THE EXIT ONTO I-79 WEST TOWARD WASHINGTON UNIVERSITY. 0.2 MILES
 - 7) TAKE EXIT 158 FOR WV 7 TOWARD WEST VIRGINIA UNIVERSITY. 0.2 MILES
 - 8) TURN RIGHT ONTO CHAPLIN HILL RD. 0.6 MILES
 - 9) TURN LEFT ONTO US-19. 1.7 MILES
 - 10) TURN LEFT ONTO WV-7. 2.1 MILES
 - 11) TURN RIGHT ONTO IOWA RD. 0.5 MILES
 - 12) TURN LEFT ONTO IOWA RD. 0.5 MILES
 - 13) TURN RIGHT ONTO IOWA RD. 0.5 MILES
 - 14) TURN LEFT ONTO ACCESS ROAD



PREPARED FOR: Southwestern Energy

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		



1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
WWW.ASCENTCONSULTINGENGINEERS.COM

PROJECT NUMBER: 2549
DATE: 12/22/2022
SCALE: AS SHOWN

TITLE: CONSTRUCTION PLANS FOR RITER WELL PAD WETZEL COUNTY, WV

PLANS STATUS: APPROVED FOR PERMITS

SHEET NO: 1

