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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, February 12, 2024  
WELL WORK PERMIT  
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for William Rogers OHI 210H  
47-069-00367-00-00

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

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

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

  
James A. Martin  
Chief

Operator's Well Number: William Rogers OHI 210H  
Farm Name: Douglas W Rodgers  
U.S. WELL NUMBER: 47-069-00367-00-00  
Horizontal 6A New Drill  
Date Issued: 2/12/2024

Promoting a healthy environment.

02/16/2024

# 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.

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## CONDITIONS

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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.

02/16/2024

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 069-Ohio 3-Liberty 648-Valley Grove  
Operator ID County District Quadrangle

2) Operator's Well Number: William Rodgers OHI 210H Well Pad Name: William Rodgers

3) Farm Name/Surface Owner: Douglas W. Rodgers Public Road Access: Rt. 40

4) Elevation, current ground: 1279' Elevation, proposed post-construction: 1279'

5) Well Type (a) Gas  Oil  Underground Storage

Other \_\_\_\_\_

(b) If Gas Shallow  Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Target Formation- Marcellus, Well to the South, Target Top TVD- 6523', Target Base TVD- 6582', Anticipated Thickness- 59', Associated Pressure- 4278

8) Proposed Total Vertical Depth: 6562'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20,977'

11) Proposed Horizontal Leg Length: 9297.97

12) Approximate Fresh Water Strata Depths: 334'

13) Method to Determine Fresh Water Depths: Nearby Well William Rodgers OHI 5H API 47-069-00200

14) Approximate Saltwater Depths: 1189' Salinity Profile

15) Approximate Coal Seam Depths: 683'

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

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

*Strader Gower*

1/22/2024

18) **CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size (in)</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling (ft)</b>	<b>INTERVALS: Left in Well (ft)</b>	<b>CEMENT: Fill-up (Cu. Ft.)/CTS</b>
Conductor	20"	New	J-55	94#	136'	136'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	384'	384'	436 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2100'	2100'	855 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	20977'	20977'	Tail 3824sx/ 100' Inside Intermediate
Tubing							
Liners							

<b>TYPE</b>	<b>Size (in)</b>	<b>Wellbore Diameter (in)</b>	<b>Wall Thickness (in)</b>	<b>Burst Pressure (psi)</b>	<b>Anticipated Max. Internal Pressure (psi)</b>	<b>Cement Type</b>	<b>Cement Yield (cu. ft./k)</b>
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:				
Sizes:				
Depths Set:				

*Strader Gower*

1/22/2024

02/16/2024

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): 10.95

22) Area to be disturbed for well pad only, less access road (acres): 8.17

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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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.

# Southwestern Energy Company

# Proposed Drilling Program



Well: WILLIAM RODGERS OHI 210H

Drilling Rig: SDC 41

Field: PANHANDLE FIELD WET

Formation: Marcellus Shale

County: OHIO

State: WV

SHL (NAD83): 40.106892 Latitude -80.532249 Longitude

BHL (NAD83): 40.076736 Latitude -80.506143 Longitude

KB Elev: 1,305 ft MSL

KB Height: 26 ft AGL

GL Elev: 1,279 ft MSL

NO COAL VOID EXPECTED

PROD TOC @ 2,100 ' MD

TUBULAR DETAIL					
Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	136'
Surface	13.375	54.4 #	J-55	0'	384'
Intermediate/Coal	9.625	36.0 #	J-55	0'	2,100'
Production	5.5	20.0 #	P-110 HP	0'	20,977'

### CEMENT DETAIL

	Sacks	Class	Density
Conductor	173	A	19.3
Surface	436	A/L	15.6
Intermediate	855	A/L	15.6
Production	3824	A/L	14.5-15.0

136' to 404'

Air/Mist

404' to 2,120'

Air/Mist

2,120' to 6,655'

Air/Mist

TD at 6,655'

6,655' to 7,800'

12.0-12.5 ppg

7,800' to 20,977'

12.5-13.5 ppg

KOP at 6,655' MD

Freshwater Depth - 334' TVD

Coal Depth - 683' TVD

Saltwater Depth - 1,189' TVD

TVD - 6,562'

TMD - 20,977'

6,562' TVD Target Center

TD at 20,977' MD

6,562' TVD

LP at 7,800' MD

SHL Onondaga 6,582' TVD

Onondaga 6,582' TVD

Created by: Colin Kollker on 01/21/2024

*Strader Gower*

1/22/2024

02/16/2024

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Little Wheeling Creek of Wheeling Creek Quadrangle Valley Grove

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 from KOP to TD

-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*

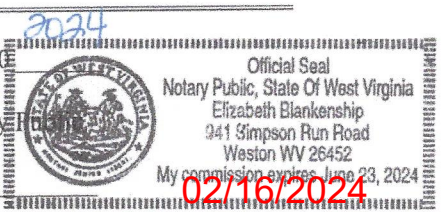
Company Official (Typed Name) Brittany Woody

Company Official Title Staff Regulatory Specialist

Subscribed and sworn before me this 17 day of January, 2024

*Elizabeth Blankenship* Notary Public

My commission expires 6/23/2024



**SWN Production Co., LLC**

Proposed Revegetation Treatment: Acres Disturbed 10.95 Prevegetation pH \_\_\_\_\_

Lime as determined by pH test min.2 Tons/acre or to correct to pH 8.17

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: STRADER COWPER

Comments: \_\_\_\_\_

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JAN 10 2024

WV Department of  
Environmental Protection

Title: Oil & Gas Inspector

Date: 11-06-2023

Field Reviewed?  Yes  No



# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

4706900367



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

**API NO. 47-XXX-XXXXX**  
**WELL NAME: William Rodgers OHI 210H**  
**Valley Grove QUAD**  
**Liberty DISTRICT**  
**OHIO COUNTY, WEST VIRGINIA**

Submitted by:

Name: Brittany Woody

Date: 10/2/2023

*Brittany Woody*

Title: Staff Regulatory Specialist

SWN Production Co., LLC

Approved by:

Name: STRADER GOWER

Date: 11-06-2023

Title: Oil & Gas Inspector

Approved by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

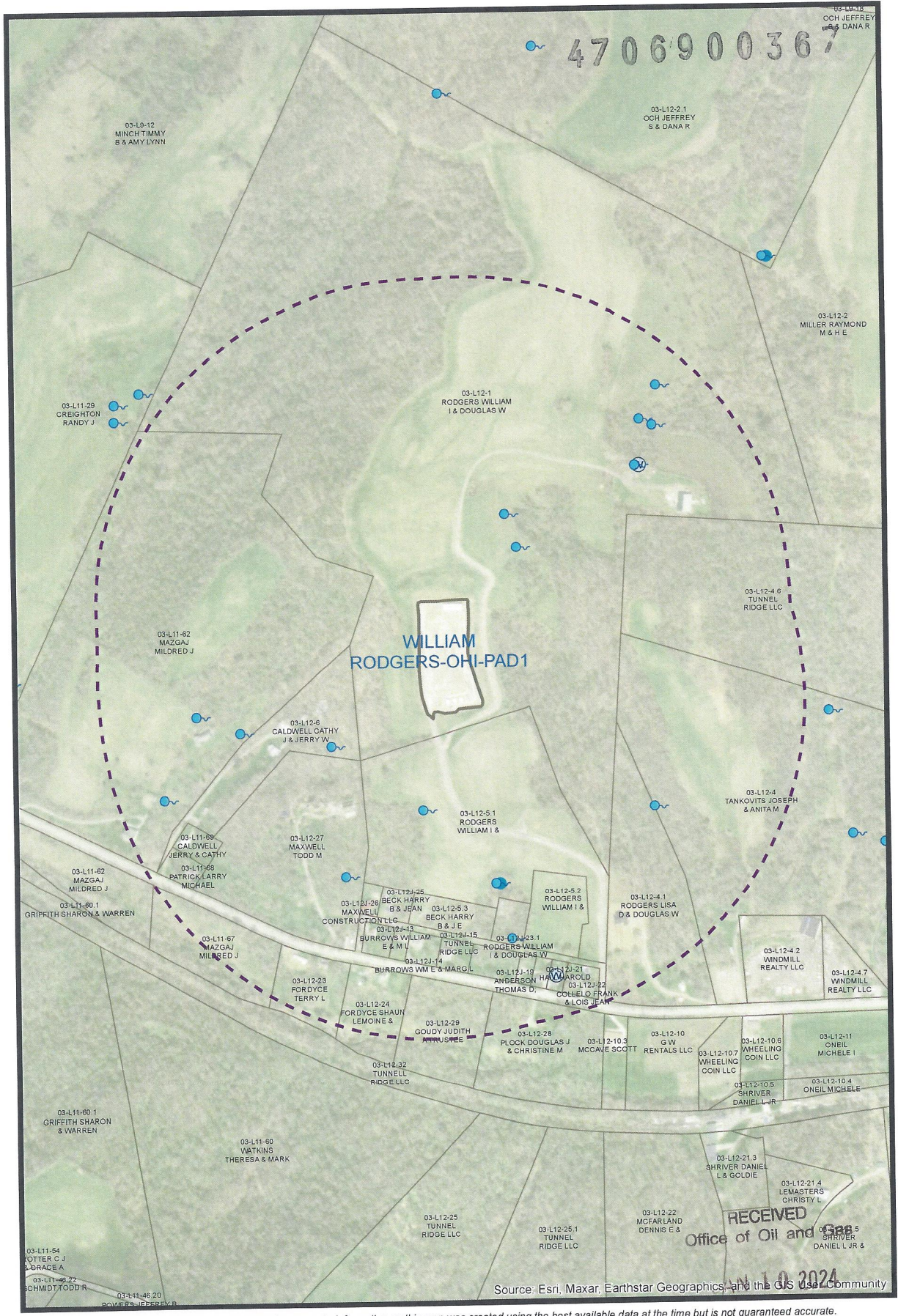
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Environmental Protection

SWN PRODUCTION COMPANY, LLC – CONFIDENTIAL

02/16/2024



Source: Esri, Maxar, Earthstar Geographics, and the US User Community

The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.

<h1>Structure Proximity Map</h1>		WV Department of <b>Environment &amp; Protection</b> Ohio	
		Well Pad: <b>William Rodgers OH1</b>	
Map by: zoellid Nad 83 UTM Z one 17	Date: 10/4/2023 	Water Sources ● Spring Water Well ● Pond	1 inch = 500 feet 

02/16/2024

Latitude: 40°07'30"

SURFACE HOLE 9019'

Latitude: 40°05'00" BOTTOM HOLE 1,719'

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

Table with 2 columns: Location Name and UTM Coordinates (NAD83, Zone 17, Meters). Rows include Surface Hole Location (SHL), Landing Point (LPL), and Bottom Hole Location (BHL).

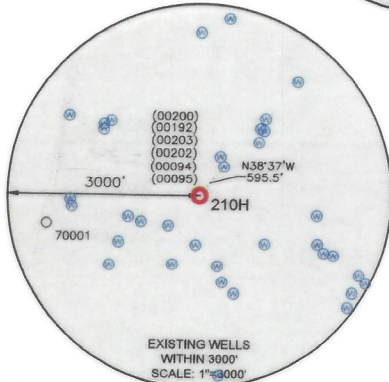
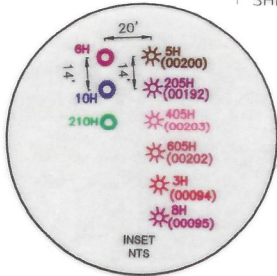
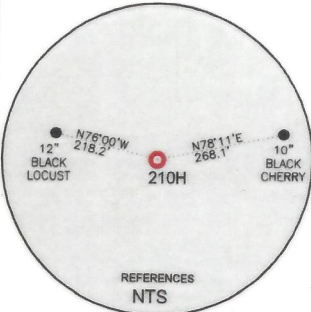


Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Rows L1-L8 describe survey lines from SHL to landmarks and AZL points.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Rows L3-L7 describe curved survey lines.



Vertical dimension lines on the right side of the page: 'BOTTOM HOLE 2,403'', 'SURFACE HOLE 6,564'', 'Longitude: 80°30'00'' (twice).



WELL RESTRICTIONS

- 1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

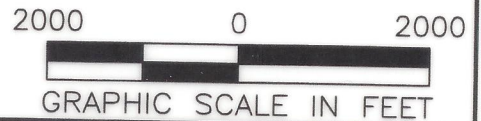
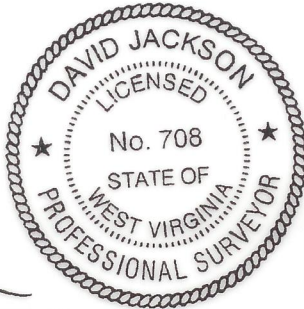
NOTES ON SURVEY

- 1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. 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.

P.S. 709

Signature: David L Jackson



COMPANY: SWN Production Company, LLC SWN Production Company™



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

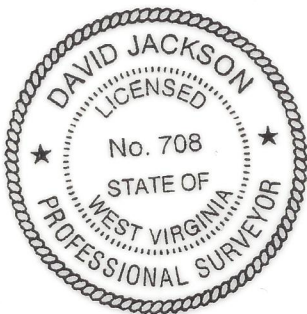
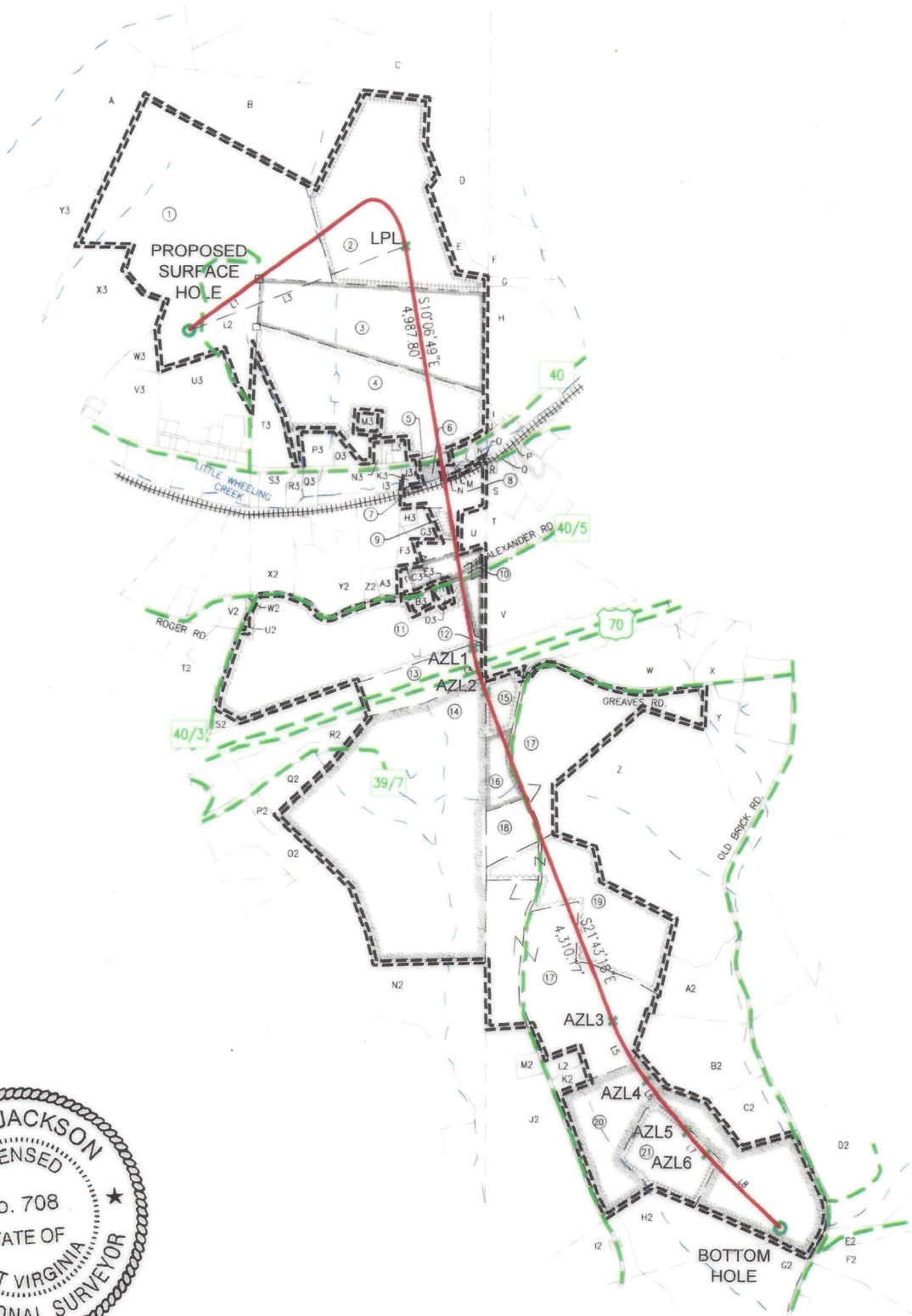
WILLIAM RODGERS OHI
OPERATOR'S WELL #: 210H
API WELL #: 47 STATE 069 COUNTY 00367 PERMIT

Form with fields for WELL TYPE (Production checked), WATERSHED (Little Wheeling Creek), DISTRICT (Liberty), COUNTY (Ohio), SURFACE OWNER (Douglas W Rodgers), OIL & GAS ROYALTY OWNER (Douglas W Rodgers), DRILL (checked), WATERSHED, DISTRICT, COUNTY, SURFACE OWNER, OIL & GAS ROYALTY OWNER, DRILL, FRACTURE OR STIMULATE (checked), PLUG OFF OLD FORMATION, PERFORATE NEW FORMATION (checked), TARGET FORMATION: MARCELLUS, ESTIMATED DEPTH: 6,735 TVD 20,975 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

Table with 2 columns: Legend (Proposed Surface Hole, Existing Wellhead, LPL, Existing Water Well, Existing Spring, Surveyed Boundary, Drilling Unit, Lease Boundary, Proposed Path) and Revisions (Revised Ownerships & TVD, TMD 10-27-2023, Date: 11-02-2023, Drawn By: N. Mano, Scale: 1" = 2000', Drawing No., Well Location Plat)

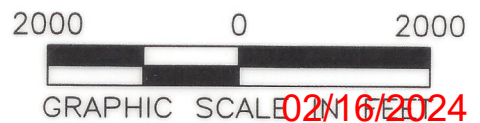
JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26301  
 304-623-5851



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.

P.S. 709

*David L Jackson*



REVISIONS: ▲ REVISED OWNERSHIPS & TVD, TMD 10-27-2023	COMPANY: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <b>SWN</b>            Production Company, LLC         </div> <div style="text-align: center;"> <b>SWN</b> <sup>R-V+</sup><sub>A</sub>            Production Company™         </div> </div>	
	OPERATOR'S WILLIAM RODGERS OHI	DATE: 11-02-2023
	WELL #: 210H	DRAWN BY: N. MANO
	DISTRICT: LIBERTY	COUNTY: OHIO
	STATE: WV	SCALE: 1"=2000' DRAWING NO: WELL LOCATION PLAT 2

**JACKSON SURVEYING  
INC.**

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

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RODGERS DOUGLAS W (S/R)	03-L12-1
TRACT	SURFACE OWNER (S)	
2	MILLER RAYMOND M & H E C/O MILLER HILDA (S)	03-L12-2
3	TUNNEL RIDGE LLC (S)	03-L12-4.6
4	TANKOVITS JOSEPH & ANITA M (S)	03-L12-4
5	WEST VIRGINIA DEPARTMENT OF TRANSPORTION (S)	ROUTE 40 NATIONAL RD.
6	MOUNTS GEORGE WESLEY (S)	03-L12-15.4
7	FRYE RICHARD L & CHERYL L (S)	03-L12-31
8	FRYE RICHARD L (S)	03-L12-15
9	FRYE RICHARD ALAN (S)	03-L12-15.7
10	NOBLE VERA JANE C (S)	03-L12-20
11	TRIPLE P LLC (S)	03-L12-18
12	TRIPLE P LLC (S)	03-L12-18.7
13	WEST VIRGINIA DEPARTMENT OF TRANSPORTION (S)	1-70
14	BERGHOFF GERALD W (S)	03-L15-5
15	THOMAS MARTEN CO (S)	230-6-7.2
16	THOMAS MARTEN CO (S)	230-6-7.1
17	TUNNEL RIDGE LLC (S)	230-6-15
18	THOMAS MARTEN CO (S)	230-6-7
19	WARD ETHAN T (S)	230-6-15.2
20	GREAVES THOMAS A & MARTHA L (S)	230-6-13
21	GREAVES THOMAS & MARTHA (S)	230-6-14

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MINCH TIMMY B & AMY LYNN	03-L9-12
B	OCH JEFFREY S & DANA R	03-L12-2.1
C	OCH JEFFREY S & DANA R	03-L9-18
D	TUNNEL RIDGE LLC	03-L12-3
E	TUNNEL RIDGE LLC	03-L12-2.2
F	TUNNEL RIDGE LLC	230-7-11.1
G	TUNNEL RIDGE LLC	230-7-12.5
H	MILLER HILDA E	230-7-12
I	ALLIANCE RESC PROP LLC	230-7-62
J	SHINGLE EDWARD W	230-7-62.1
K	BEISWENGER DENNIS J	03-L12-13
L	BEISWENGER DENNIS J & LESLIE	03-L12-14
M	FRYE RICHARD L & CHERYL L	03-L12-14.2
N	FRYE H DAVID & S	03-L12-12
O	ROBINSON RICHARD J S/S2011	03-L12-14.1
P	TUNNEL RIDGE LLC	230-7-63
Q	CSX TRANSPORTATION	230-7-64
R	AMERICAN LEGION POST 656	230-7-61.2
S	WEST ALEXANDER AMER LEGION POST #656 INC.	230-7-61.1
T	REED BARBARA A	230-6-1
U	MOUNTS GEORGE WESLEY	3-L12-15.5
V	TUNNEL RIDGE LLC	230-6-5
W	TREDDS SOFTWARE SOLUTIONS LLC	230-6-15.17
X	CRP IRREVOCABLE TRUST & KURZEJEWSKI MATTHEW P	230-6-15.20
Y	WILSON DANA A & BILLIE R	230-6-15.16
Z	OLD BRICK 801 LLC	230-6-16
A2	MINCH HENRY J & JULIE L	230-6-16.3
B2	BECK DONALD L & SANDRA E	230-6-15.1
C2	BECK DONALD L JR. & TINA L	230-6-15.23
D2	TUNNEL RIDGE LLC	230-6-22
E2	SANGIMINO URSULA RIPEPI & RIPEPI ANTONIO & RIPEPI VINCENT J & QUINN BENEDETTA A & RIPERPI PHILIP M	230-6-21
F2	SANGIMINO URSULA RIPEPI & RIPEPI ANTONIO & RIPEPI VINCENT J & QUINN BENEDETTA A & RIPERPI PHILIP M	680-11-3
G2	TUNNEL RIDGE LLC	680-5-4.3
H2	TUNNEL RIDGE LLC	230-6-12
I2	GREAVES THOMAS & MARTHA	230-6-12.1
J2	MOORE HEIDI L & BENJAMIN R	230-6-10
K2	MCADOO DAVID L & BRENDA A	230-6-15.4
L2	MCADOO DAVID L & BRENDA A	230-6-15.3

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
M2	MOORE HEIDI L & AARON E STIMMEL JR	230-6-10.1
N2	OLIVER LUCAS B	03-L15-04
O2	BERGHOFF GERALD W	03-L15-2.6
P2	BERGHOFF BRAD W	03-L15-2.9
Q2	TRIPLE P LLC	03-L12-18.9
R2	TRIPLE P LLC	03-L12-18.8
S2	TURNER FRANCES A	03-L12-18.6
T2	KLAGES PROPERTIES LLC	03-L15-1.1
U2	TRIPLE P LLC	03-L12-18.3
V2	TUNNEL RIDGE LLC	3-L12-18.2
W2	DILLE RONALD A & VIRGINIA M	3-L12-18.4
X2	MCFARLAND DENNIS E & BRIS NANCY M	3-L12-22
Y2	SHRIVER DANIEL L SR & GOLDIE ANN	3-L12-21.5
Z2	SHRIVER DANIEL L & GOLDIE ANN	3-L12-21
A3	ADAMS FRANCES	3-L12-21.1
B3	PARK ROBERT L & B L	3-L12-18.5
C3	HARTZELL AMANDA (LC-BYR) TRIPLE P LLC (LC-SLR)	3-L12-19.1
D3	HARTZELL AMANDA (LC-BYR) TRIPLE P LLC (LC-SLR)	3-L12-18.10
E3	HARTZELL AMANDA (LC-BYR) TRIPLE P LLC (LC-SLR)	3-L12-19
F3	HOCKENBERRY JAMES C & HOCKENBERRY BRENDA K	3-L12-15.1
G3	FRYE JASON WAYNE	3-L12-15.6
H3	FRYE JASON C/O THE PEOPLES SAVINGS BANK	3-L12-15.2
I3	ONEIL MICHELE I	3-L12-11
J3	L & M RENTALS LLC	3-L12-12.1
K3	L & M RENTALS LLC	3-L12-15.3
L3	BEISWENGER TIMOTHY E JR & J R	3-L12-4.3
M3	TANKOVITS JOSEPH III & ANITA M	3-L12-4.4
N3	TANKOVITS JOSEPH AND ANITA M	3-L12-4.5
O3	WINDMILL REALTY LLC	3-L12-4.7
P3	WINDMILL REALTY LLC	3-L12-4.2
Q3	WHEELING COIN LLC	3-L12-10.6
R3	WHEELING COIN LLC	3-L12-10.7
S3	G W RENTALS LLC	3-L12-10
T3	RODGERS LISA D & DOUGLAS W	03-L12-4.1
U3	RODGERS DOUGLAS WAYNE	03-L12-5.1
V3	MAXWELL TODD M	03-L12-27
W3	CALDWELL CATHY J & JERRY W	03-L12-6
X3	MAZGAJ MILDRED J	03-L11-62
Y3	CREIGHTON RANDY J	03-L11-29

Highlighted Parcels may be impacted during drilling.

02/16/2024

REVISIONS: Δ REVISED OWNERSHIPS & TVD, TMD 10-27-2023	COMPANY: <b>SWN</b> Production Company, LLC	<b>SWN</b> <sup>REV+</sup> Production Company™
	OPERATOR'S WILLIAM RODGERS OHI	DATE: 11-02-2023
	WELL #: 210H	DRAWN BY: N. MANO
DISTRICT: LIBERTY	COUNTY: OHIO	STATE: WV
		SCALE: N/A
		DRAWING NO: WELL LOCATION PLAT 3

WW-6A1  
(5/13)

Operator's Well No. William Rodgers OHI 210H

**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
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See Exhibit "A"

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\*Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

\*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: Tim Ledet

Its: Staff Landman

EXHIBIT "A"

William Rodgers OHI 210H

Ohio and Washington Counties, West Virginia and Pennsylvania

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

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
1	3-L12-1	William I. Rodgers, widow, and Douglas W. Rodgers, single	TriEnergy Holdings, LLC	18.00%	810/374	0.00%
			Chesapeake Appalachia, L.L.C.		825/708	
			SWN Production Company, LLC		833/611	
2	3-L12-2	Hilda E. Miller	TriEnergy Holdings, LLC	16.00%	804/289	0.00%
			Chesapeake Appalachia, L.L.C.		821/84	
			SWN Production Company, LLC		885/776	
3	3-L12-4.6	Lois Miller, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	792/354	0.00%
			SWN Production Company, LLC		831/789	885/260
		Alice Anderson, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	792/542	0.00%
			SWN Production Company, LLC		831/792	885/248
4	3-L12-4	Lois Miller, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	792/354	0.00%
			SWN Production Company, LLC		831/789	885/260
		Alice Anderson, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	792/542	0.00%
			SWN Production Company, LLC		831/792	885/248
5	National Rd. (Route 40)	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, L.L.C.	15.00%	830/11	0.00%
			SWN Production Company, LLC		883/611	
6	3-L12-15.4	Richard L. Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	817/221	0.00%
			SWN Production Company, LLC		885/548	
7	3-L12-31	Tunnel Ridge, LLC, a Delaware limited liability company	Chesapeake Appalachia, L.L.C.	16.75%	865/672	0.00%
			SWN Production Company, LLC		883/778	
8	3-L12-15	Richard L. Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	817/221	0.00%
			SWN Production Company, LLC		885/548	
9	3-L12-15.7	Richard L. Frye, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	817/221	0.00%
			SWN Production Company, LLC		885/548	
10	3-L12-20	Vera Jane C. Noble, a single woman	Chesapeake Appalachia, L.L.C.	18.00%	841/157	0.00%
			SWN Production Company, LLC		885/740	
11	3-L12-18	Debora Lynn Plumber, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	827/184	0.00%
			SWN Production Company, LLC		885/680	
		Robert Park, a/k/a Robert Louis Park and Barbara Lee Park, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	827/196	0.00%
			SWN Production Company, LLC		885/680	
Patricia Paetzold, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	827/203	0.00%		
	SWN Production Company, LLC		885/680			

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12	3-L12-18.7	Debora Lynn Plumber, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	827/184	0.00%
			SWN Production Company, LLC		885/680	
		Robert Park, a/k/a Robert Louis Park and Barbara Lee Park, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	827/196	0.00%
			SWN Production Company, LLC		885/680	
13	1-70	Debora Lynn Plumber, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	827/184	0.00%
			SWN Production Company, LLC		885/680	
		Robert Park, a/k/a Robert Louis Park and Barbara Lee Park, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	827/196	0.00%
			SWN Production Company, LLC		885/680	
14	3-L15-5	Patricia Paetzold, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	827/203	0.00%
			SWN Production Company, LLC		885/680	
		Gerald W. Berghoff and Bonnie D. Berghoff, husband and wife	SWN Production Company, LLC	18.00%	977/76	0.00%
			SWN Production Company, LLC		977/76	
15	230-6-7.2	William A. Mikolay and Dana J. Mikolay, his wife	Range Resources - Appalachia, LLC	17.00%	201125813	0.00%
			Chesapeake Appalachia, L.L.C.		201426233	
			SWN Production Company, LLC		201442022	
16	230-6-7.1	William A. Mikolay and Dana J. Mikolay, his wife	Range Resources - Appalachia, LLC	17.00%	201125813	0.00%
			Chesapeake Appalachia, L.L.C.		201426233	
			SWN Production Company, LLC		201442022	
17	230-6-15	Royalty Owners	NA	NA	NA	3.51%
		Greg Clark, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110308	0.00%
			SWN Production Company, LLC		201131400	
					201442022	
		Mark Anthony Clark and Tammy Clark, his wife	Chesapeake Appalachia, L.L.C.	19.25%	201110310	0.00%
			SWN Production Company, LLC		201131317	
					201442022	
		Mary V. Davis, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110312	0.00%
			SWN Production Company, LLC		201131324	
					201442022	
Charlie Fudge, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112534	0.00%		
	SWN Production Company, LLC		201131362			
			201442022			
Helene Godwin, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110313	0.00%		
	SWN Production Company, LLC		201131323			
			201442022			
Karen Gray, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110314	0.00%		
	SWN Production Company, LLC		201131325			
			201442022			

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Nancy Haddix, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112496 201131360 201442022	0.00%
	SWN Production Company, LLC			
Barbara Hennen, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201111579 201131404 201504463	0.00%
	SWN Production Company, LLC			
Cecil Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110315 201131327 201442022	0.00%
	SWN Production Company, LLC			
Clark Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112532 201131371 201504463	0.00%
	SWN Production Company, LLC			
Denzil Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110406 201131335 201442022	0.00%
	SWN Production Company, LLC			
Donna Hennen, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110407  201504463	0.00%
	SWN Production Company, LLC			
Eugene Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110412 201131338 201525339	0.00%
	SWN Production Company, LLC			
Herbert Haines, attorney in fact for Evelyn Hennen	Chesapeake Appalachia, L.L.C.	19.25%	201114573 201131431 201442022	0.00%
	SWN Production Company, LLC			
Frank Hennen and Nancy Hennen, his wife	Chesapeake Appalachia, L.L.C.	19.25%	201110413 201131306 201504463	0.00%
	SWN Production Company, LLC			
James Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110411 201131312 201442022	0.00%
	SWN Production Company, LLC			
Jerry L. Hennen and Donna R. Hennen, husband and wife	Chesapeake Appalachia, L.L.C.	19.25%	201110410 201131331 201442022	0.00%
	SWN Production Company, LLC			
Richard Hennen and Donna Hennen	Chesapeake Appalachia, L.L.C.	19.25%	201110409 201405976 201442022	0.00%
	SWN Production Company, LLC			
Judy Howard, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110408 201131315 201442022	0.00%
	SWN Production Company, LLC			
Bernard K. Irwin, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112494  201442022	0.00%
	SWN Production Company, LLC			
Jim Irwin, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110424 201131333 201442022	0.00%
	SWN Production Company, LLC			
Herbert Haines, attorney in fact for Anna Pearl Jones	Chesapeake Appalachia, L.L.C.	19.25%	201114574 201131355 201442022	0.00%
	SWN Production Company, LLC			

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Nancy Liming and David Liming, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110423	0.00%
	SWN Production Company, LLC		201131308 201442022	
Denise Mitchell, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110422	0.00%
	SWN Production Company, LLC		201442022	
Carolyn Sue Moore and James Moore, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201112497	0.00%
	SWN Production Company, LLC		201131361 201442022	
Imogene Muto and Billie Muto, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201112493	0.00%
	SWN Production Company, LLC		201131367 201442022	
Jeannette Prout, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112501	0.00%
	SWN Production Company, LLC		201131363 201442022	
Linda Sansone and Charles Sansone, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201112500	0.00%
	SWN Production Company, LLC		201131366 201442022	
Wanda Shaffer and Smith Shaffer, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110420	0.00%
	SWN Production Company, LLC		201131336 201442022	
Nancy I. Singer, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112499	0.00%
	SWN Production Company, LLC		201131365 201442022	
St. John's United Church of Christ	Chesapeake Appalachia, L.L.C.	19.25%	201112495	0.00%
	SWN Production Company, LLC		201442022	
Beverly Tonge and Robert E. Tonge Jr., her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110419	0.00%
	SWN Production Company, LLC		201131339 201442022	
Mildred Walton, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110418	0.00%
	SWN Production Company, LLC		201131329 201442022	
Denise Mitchell, attorney in fact for Hazel Watson	Chesapeake Appalachia, L.L.C.	19.25%	201111750	0.00%
	SWN Production Company, LLC		201131399 201442022	
Marjorie White, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110417	0.00%
	SWN Production Company, LLC		201442022	
Scott Woods, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112498	0.00%
	SWN Production Company, LLC		201131358 201442022	
Bernard A. Yocke, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112502	0.00%
	SWN Production Company, LLC		201131357 201442022	
JJK Mineral Company, LLC	Dale Property Services Penn, LP	18.00%	2011123280	0.00%
	Chesapeake Appalachia, L.L.C.		201130351	
	SWN Production Company, LLC		201442022	

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	JJK Mineral Company, LLC	Dale Property Services Penn, LP	18.00%	201114248	0.00%
		Chesapeake Appalachia, L.L.C.		201123299	
		SWN Production Company, LLC		201442022	
	Terry Woods, herein dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112503	0.00%
		SWN Production Company, LLC		201121425	
				201442022	
	Sitio Appalachia, LP	SWN Production Company, LLC	20.00%	202322349	0.00%
	Three Rivers Royalty, LLC	SWN Production Company, LLC	18.00%	202322832	0.00%
	WhiteHawk Income Marcellus, LLC	SWN Production Company, LLC	18.00%	202322830	0.00%
	Delores Ann Bryant, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	202320615	0.00%
	Christine Park, a single woman	SWN Production Company, LLC	15.00%	202305814	0.00%
	Milan Cikovich, Jr., a single man	SWN Production Company, LLC	15.00%	202305806	0.00%
	Milan W. Cikovich Testamentary Trust for the benefit of Francine R. Park, by Trustees Milan Cikovich Jr. and Christine Park	SWN Production Company, LLC	15.00%	202305816	0.00%
18	230-6-7	William A. Mikolay and Dana J. Mikolay, his wife	17.00%	201125813	0.00%
		Range Resources - Appalachia, LLC		201125813	
		Chesapeake Appalachia, L.L.C.		201426233	
		SWN Production Company, LLC		201442022	
19	230-6-15.2	Herbert T. Bolosky, single	17.00%	201112701	0.00%
		Range Resources - Appalachia, LLC		201112701	
		Chesapeake Appalachia, L.L.C.		201426233	
		SWN Production Company, LLC		201442022	
	Herbert L. Bolosky, single	SWN Production Company, LLC	18.00%	202305810	0.00%
20	230-6-13	Royalty Owners	NA	NA	4.35%
	Greg Clark, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110308	0.00%
		SWN Production Company, LLC		201131400	
				201442022	
	Mark Anthony Clark and Tammy Clark, his wife	Chesapeake Appalachia, L.L.C.	19.25%	201110310	0.00%
		SWN Production Company, LLC		201131317	
				201442022	
	Mary V. Davis, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110312	0.00%
		SWN Production Company, LLC		201131324	
				201442022	
	Charlie Fudge, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112534	0.00%
		SWN Production Company, LLC		201131362	
				201442022	
	Helene Godwin, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110313	0.00%
		SWN Production Company, LLC		201131323	
				201442022	
	Karen Gray, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110314	0.00%
		SWN Production Company, LLC		201131325	
				201442022	
	Nancy Haddix, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112496	0.00%
		SWN Production Company, LLC		201131360	
				201442022	

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Ohio and Washington Counties, West Virginia and Pennsylvania

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

Barbara Hennen, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201111579 201131404 201504463	0.00%
	SWN Production Company, LLC			
Cecil Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110315 201131327 201442022	0.00%
	SWN Production Company, LLC			
Clark Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112532 201131371 201504463	0.00%
	SWN Production Company, LLC			
Denzil Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110406 201131335 201442022	0.00%
	SWN Production Company, LLC			
Donna Hennen, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110407  201504463	0.00%
	SWN Production Company, LLC			
Eugene Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110412 201131338 201525339	0.00%
	SWN Production Company, LLC			
Herbert Haines, attorney in fact for Evelyn Hennen	Chesapeake Appalachia, L.L.C.	19.25%	201114573 201131431 201442022	0.00%
	SWN Production Company, LLC			
Frank Hennen and Nancy Hennen, his wife	Chesapeake Appalachia, L.L.C.	19.25%	201110413 201131306 201504463	0.00%
	SWN Production Company, LLC			
James Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110411 201131312 201442022	0.00%
	SWN Production Company, LLC			
Jerry L. Hennen and Donna R. Hennen, husband and wife	Chesapeake Appalachia, L.L.C.	19.25%	201110410 201131331 201442022	0.00%
	SWN Production Company, LLC			
Richard Hennen and Donna Hennen	Chesapeake Appalachia, L.L.C.	19.25%	201110409 201405976 201442022	0.00%
	SWN Production Company, LLC			
Judy Howard, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110408 201131315 201442022	0.00%
	SWN Production Company, LLC			
Bernard K. Irwin, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112494  201442022	0.00%
	SWN Production Company, LLC			
Jim Irwin, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110424 201131333 201442022	0.00%
	SWN Production Company, LLC			
Herbert Haines, attorney in fact for Anna Pearl Jones	Chesapeake Appalachia, L.L.C.	19.25%	201114574 201131355 201442022	0.00%
	SWN Production Company, LLC			
Nancy Liming and David Liming, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110423 201131308 201442022	0.00%
	SWN Production Company, LLC			

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Denise Mitchell, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110422	0.00%
	SWN Production Company, LLC		201442022	
Carolyn Sue Moore and James Moore, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201112497	0.00%
	SWN Production Company, LLC		201131361 201442022	
Imogene Muto and Billie Muto, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201112493	0.00%
	SWN Production Company, LLC		201131367 201442022	
Jeannette Prout, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112501	0.00%
	SWN Production Company, LLC		201131363 201442022	
Linda Sansone and Charles Sansone, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201112500	0.00%
	SWN Production Company, LLC		201131366 201442022	
Wanda Shaffer and Smith Shaffer, her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110420	0.00%
	SWN Production Company, LLC		201131336 201442022	
Nancy I. Singer, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112499	0.00%
	SWN Production Company, LLC		201131365 201442022	
St. John's United Church of Christ	Chesapeake Appalachia, L.L.C.	19.25%	201112495	0.00%
	SWN Production Company, LLC		201442022	
Beverly Tonge and Robert E. Tonge Jr., her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110419	0.00%
	SWN Production Company, LLC		201131339 201442022	
Mildred Walton, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110418	0.00%
	SWN Production Company, LLC		201131329 201442022	
Denise Mitchell, attorney in fact for Hazel Watson	Chesapeake Appalachia, L.L.C.	19.25%	201111750	0.00%
	SWN Production Company, LLC		201131399 201442022	
Marjorie White, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110417	0.00%
	SWN Production Company, LLC		201442022	
Scott Woods, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112498	0.00%
	SWN Production Company, LLC		201131358 201442022	
Bernard A. Yocke, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112502	0.00%
	SWN Production Company, LLC		201131357 201442022	
Terry Woods, herein dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112503	0.00%
	SWN Production Company, LLC		201121425 201442022	
Sitio Appalachia, LP	SWN Production Company, LLC	20.00%	202322349	0.00%
Three Rivers Royalty, LLC	SWN Production Company, LLC	18.00%	202322832	0.00%
WhiteHawk Income Marcellus, LLC	SWN Production Company, LLC	18.00%	202322830	0.00%

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

		Delores Ann Bryant, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	202320615	0.00%
21	230 6 14	Royalty Owners	NA	NA	NA	4.35%
		Greg Clark, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110308 201131400 201442022	0.00%
		Mark Anthony Clark and Tammy Clark, his wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110310 201131317 201442022	0.00%
		Mary V. Davis, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110312 201131324 201442022	0.00%
		Charlie Fudge, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112534 201131362 201442022	0.00%
		Helene Godwin, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110313 201131323 201442022	0.00%
		Karen Gray, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110314 201131325 201442022	0.00%
		Nancy Haddix, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112496 201131360 201442022	0.00%
		Barbara Hennen, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201111579 201131404 201504463	0.00%
		Cecil Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110315 201131327 201442022	0.00%
		Clark Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112532 201131371 201504463	0.00%
		Denzil Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110406 201131335 201442022	0.00%
		Donna Hennen, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110407  201504463	0.00%
		Eugene Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110412 201131338 201525339	0.00%
		Herbert Haines, attorney in fact for Evelyn Hennen	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201114573 201131431 201442022	0.00%
		Frank Hennen and Nancy Hennen, his wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110413 201131306 201504463	0.00%

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Ohio and Washington Counties, West Virginia and Pennsylvania

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

James Hennen, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110411 201131312 201442022	0.00%
Jerry L. Hennen and Donna R. Hennen, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110410 201131331 201442022	0.00%
Richard Hennen and Donna Hennen	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110409 201405976 201442022	0.00%
Judy Howard, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110408 201131315 201442022	0.00%
Bernard K. Irwin, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112494  201442022	0.00%
Jim Irwin, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110424 201131333 201442022	0.00%
Herbert Haines, attorney in fact for Anna Pearl Jones	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201114574 201131355 201442022	0.00%
Nancy Liming and David Liming, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110423 201131308 201442022	0.00%
Denise Mitchell, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110422  201442022	0.00%
Carolyn Sue Moore and James Moore, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112497 201131361 201442022	0.00%
Imogene Muto and Billie Muto, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112493 201131367 201442022	0.00%
Jeannette Prout, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112501 201131363 201442022	0.00%
Linda Sansone and Charles Sansone, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112500 201131366 201442022	0.00%
Wanda Shaffer and Smith Shaffer, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201110420 201131336 201442022	0.00%
Nancy I. Singer, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112499 201131365 201442022	0.00%
St. John's United Church of Christ	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	19.25%	201112495  201442022	0.00%

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EXHIBIT "A"  
 William Rodgers OHI 210H

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Ohio and Washington Counties, West Virginia and Pennsylvania

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

Beverly Tonge and Robert E. Tonge Jr., her husband	Chesapeake Appalachia, L.L.C.	19.25%	201110419	0.00%
	SWN Production Company, LLC		201131339 201442022	
Mildred Walton, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110418	0.00%
	SWN Production Company, LLC		201131329 201442022	
Denise Mitchell, attorney in fact for Hazel Watson	Chesapeake Appalachia, L.L.C.	19.25%	201111750	0.00%
	SWN Production Company, LLC		201131399 201442022	
Marjorie White, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201110417	0.00%
	SWN Production Company, LLC		201442022	
Scott Woods, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112498	0.00%
	SWN Production Company, LLC		201131358 201442022	
Bernard A. Yocke, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112502	0.00%
	SWN Production Company, LLC		201131357 201442022	
Terry Woods, herein dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	19.25%	201112503	0.00%
	SWN Production Company, LLC		201121425 201442022	
Sitio Appalachia, LP	SWN Production Company, LLC	20.00%	202322349	0.00%
Three Rivers Royalty, LLC	SWN Production Company, LLC	18.00%	202322832	0.00%
WhiteHawk Income Marcellus, LLC	SWN Production Company, LLC	18.00%	202322830	0.00%
Delores Ann Bryant, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	202320615	0.00%

END OF EXHIBIT A

Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

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

November 30, 2023

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

**RE:** SWN's proposed New Well: William Rodgers OHI 210H in Ohio County and Washington County, West Virginia and Pennsylvania, drilling under National Road (Route 40), Camino Road, Veterans Drive, W. Alexander Road, I-70, Berghoff Drive and Greaves 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 National Road (Route 40), Camino Road, Veterans Drive, W. Alexander Road, I-70, Berghoff Drive and Greaves 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,

Tim Ledet  
Staff Landman  
SWN Production Company, LLC

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

02/16/2024

**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:** The Intelligencer

**Public Notice Date:** October 23, 2023 & October 30, 2023

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:** William Rodgers OHI 210H

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

**Business Conducted:** Natural gas production.

**Location –**

**State:** West Virginia **County:** Ohio  
**District:** Liberty **Quadrangle:** Valley Grove  
**UTM Coordinate NAD83 Northing:** 4,439,726  
**UTM coordinate NAD83 Easting:** 539,865  
**Watershed:** Little Wheeling Creek of Wheeling Creek

**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit:

**Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <https://www.dcp.wv.gov/oog/notifications/notifications.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 57<sup>th</sup> 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 [permits@dep.wv.gov](mailto:permits@dep.wv.gov).

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**Submitting Comments:**

Comments may be submitted online at <https://apps.dcp.wv.gov/oog/comments/comments.aspx> or by letter to Permit Review, Office of Oil and Gas, 601 57<sup>th</sup> 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.dcp.wv.gov/oil-and-gas/pages/default.aspx](http://www.dcp.wv.gov/oil-and-gas/pages/default.aspx)

02/16/2024

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

Date of Notice Certification: 1/9

API No. 47-069  
Operator's Well No. William Rodgers OHI 210H  
Well Pad Name: William Rodgers

**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: West Virginia  
County: 069-Ohio  
District: Liberty  
Quadrangle: Valley Grove  
Watershed: Little Wheeling Creek of Wheeling Creek

UTM NAD 83 Easting: 539,864.800  
Northing: 4,439,726.143  
Public Road Access: Rt. 40  
Generally used farm name: William Rodgers

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

- 1. NOTICE OF SEISMIC ACTIVITY or  NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- 2. NOTICE OF ENTRY FOR PLAT SURVEY or  NO PLAT SURVEY WAS CONDUCTED
- 3. NOTICE OF INTENT TO DRILL or  NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or  WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- 4. NOTICE OF PLANNED OPERATION
- 5. PUBLIC NOTICE
- 6. NOTICE OF APPLICATION

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- RECEIVED
- RECEIVED/ NOT REQUIRED
- RECEIVED
- RECEIVED
- RECEIVED

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**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.

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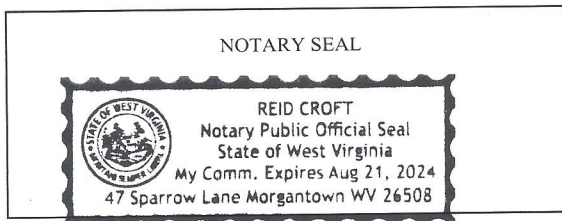
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**Certification of Notice is hereby given:**

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 10<sup>th</sup> day of October, 2023.

Reid Croft Notary Public

My Commission Expires 8/21/2024

**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](mailto:depprivacyofficer@wv.gov).

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WV Department of  
Environmental Protection

02/16/2024

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

4706900367

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

Date of Notice: 1/9 Date Permit Application Filed: 1/9

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: Douglas Rodgers  
Address: 175 William Rodgers Drive  
Valley Grove WV 26060

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: Alliance Resources GP LLC Attn: Evan Midler  
Address: 184 Schoolhouse Lane  
Valley Grove WV 26060

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: \_\_\_\_\_  
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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. (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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examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

**Water Well Testing:**

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

**Water Testing Laboratories:**

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

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

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

**Written Comment:**

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

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

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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.**

**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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WW-6A  
(8-13)

API NO. 47-009 6900367  
OPERATOR WELL NO. William Rodgers OH1 210H  
Well Pad Name: William Rodgers

**Notice is hereby given by:**

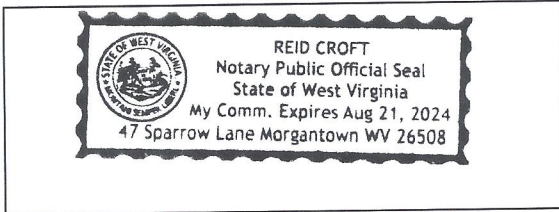
Well Operator: SWN Production Co., LLC  
Telephone: 304-884-1610  
Email: Brittany\_Woody@swn.com

*Brittany Woody*

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

**Oil and Gas Privacy Notice:**

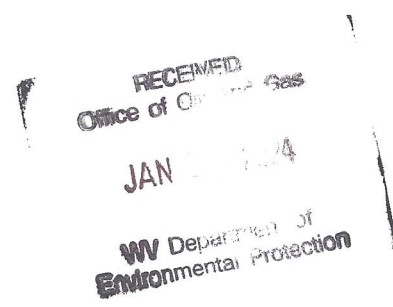
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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 [deprivacyofficer@wv.gov](mailto:deprivacyofficer@wv.gov).



Subscribed and sworn before me this 10<sup>th</sup> day of Oct, 2023.

Reid Croft Notary Public

My Commission Expires 8/21/2024



02/16/2024

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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:** 10/2/2023      **Date of Planned Entry:** 10/9/2023

**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: Douglas Rodgers  
 Address: 175 William Rodgers Drive  
Valley Grove WV 26060

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: Alliance Resources GP LLC Attn: Evan Midler  
 Address: 184 Schoolhouse Lane  
Valley Grove WV 26060

MINERAL OWNER(s)

Name: Douglas Rodgers  
 Address: 175 William Rodgers Drive  
Valley Grove, WV 26060  
 \*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>40.106836, -80.532173</u>
County: <u>Ohio</u>	Public Road Access: <u>Atkinson Potomac Hill Road</u>
District: <u>Liberty</u>	Watershed: <u>Little Wheeling Creek</u>
Quadrangle: <u>Valley Grove</u>	Generally used farm name: <u>William Rodgers</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 57<sup>th</sup> 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](http://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

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**Oil and Gas Privacy Notice:**

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

02/16/2024

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**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:** 10/25/2023 **Date Permit Application Filed:** 1/9

**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: William I. Rodgers & Douglas W. Rodgers  
Address: 94 McCoy Rd.  
Valley Grove, WV 26060

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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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: West Virginia UTM NAD 83 Easting: 539,864.800  
County: Ohio Northing: 4,439,726.143  
District: Liberty Public Road Access: National Rd.  
Quadrangle: Valley Grove Generally used farm name: William Rodgers OHI  
Watershed: Little Creek of Wheeling Creek (HUC-10)

**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://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](mailto:depprivacyofficer@wv.gov).

02/16/2024

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:** 10/25/2023 **Date Permit Application Filed:** 10/25/2023

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

- CERTIFIED MAIL RETURN RECEIPT REQUESTED  HAND DELIVERY

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

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

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

Name: William I. Rodgers & Douglas W. Rodgers Name: \_\_\_\_\_  
Address: 94 McCoy Rd. Address: \_\_\_\_\_  
Valley Grove, WV 26060

**Notice is hereby given:**

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

State: West Virginia UTM NAD 83 Easting: 539,864.800  
County: Ohio Northing: 4,439,726.143  
District: Liberty Public Road Access: National Rd.  
Quadrangle: Valley Grove Generally used farm name: William Rodgers OHI  
Watershed: Little Creek of Wheeling Creek (HUC-10)

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: SWN Production Company, LLC Address: 1300 Fort Pierpont Dr., Suite 201  
Telephone: 304-884-1675 Morgantown, WV 26508  
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](mailto:depprivacyofficer@wv.gov).

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## 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-ethanediyl)-, .alpha.-(nonylphenyl)- .omega.-hydroxy-	9016-45-9
		1-Decanol	112-30-1
		1-Octanol	111-87-5
		Triethyl phosphate	78-40-0
Ferriplex 80	Iron Control	Sodium Erythorbate	6381-77-7
Tolicide 4Frac	Biocide	Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8
		Quaternary ammonium compounds	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
Plexslick 930	Friction Reducer	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
		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
		Didecylidimethylammonium Chloride	7173-51-5
		Quaternary Ammonium compounds, Benzyl-C12-C16-dimethyl, 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

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02/16/2024

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

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

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

October 17, 2023

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

Subject: DOH Permit for the William Rodgers Pad, Ohio County  
William Rodgers OHI 210H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2011-0443 which has been issued to Southwestern Energy for access to the State Road for a well site located off US 40 F in Ohio County MP 15.53.

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,

Gary K. Clayton, P.E.  
Regional Operations Engineer  
Central Office O&G Coordinator  
Office of Oil and Gas

Cc: Brittany Woody  
Southwestern Energy  
OM, D-6  
File

JAN 10 2024

WV Department of  
Environmental Protection

OPERATOR: SWN Production Co., LLC

WELL NO: William Rodgers OHI 210H

PAD NAME: William Rodgers

REVIEWED BY: \_\_\_\_\_

SIGNATURE: Brittany Woody

### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

*\*Pad Built 12/12/11*

#### 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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Clerk, OR

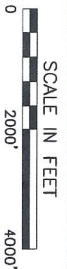
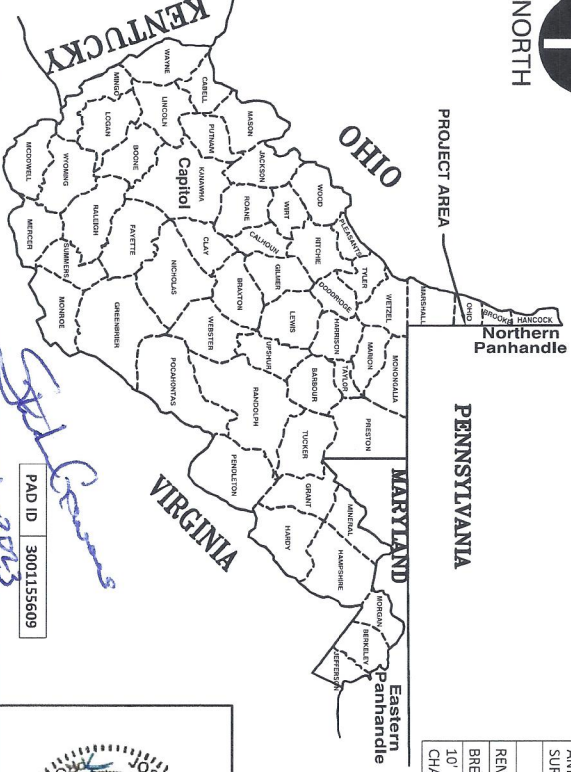
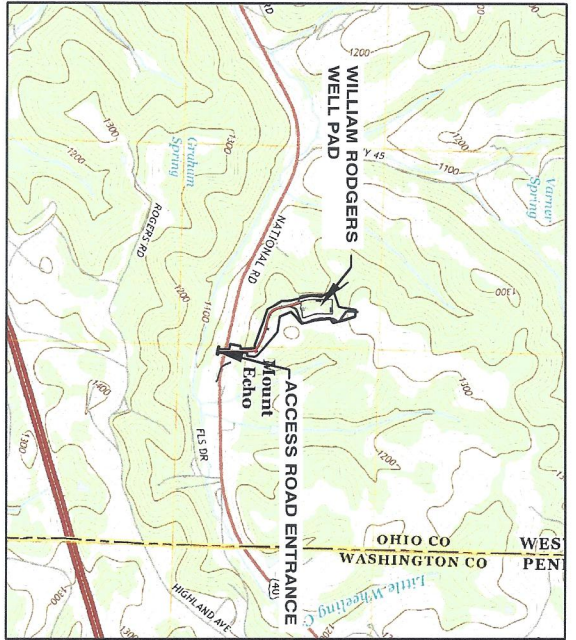
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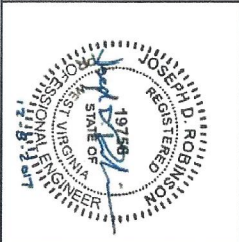
WV Department of  
Environmental Protection

P:\2017\171-944\Survey\DWG\171-944 SRV-RODGERS-ASBUILT-022317.dwg(TSI) LS:12/8/2017 - kaimona) - LP: 12/8/2017 4:44



*Handwritten signature and date:*  
11-08-2015

PAD ID 3001155609



# WILLIAM RODGERS WELL PAD RECLAMATION AS-BUILT

LIBERTY DISTRICT  
OHIO COUNTY, WEST VIRGINIA

LOD	ACRES
ROAD DISTURBED AREA	2.78
PAD DISTURBED AREA	8.17
<b>TOTAL</b>	<b>10.95</b>

DESCRIPTION	ACRES
ROAD DISTURBED AREA	2.78
PAD DISTURBED AREA	8.17
<b>TOTAL</b>	<b>10.95</b>

WELL NAME	LATITUDE	LONGITUDE
H5 (EXISTING)	40.106971	-80.532184
H205 (EXISTING)	40.106933	-80.532181
H405 (EXISTING)	40.106895	-80.532179
H605 (EXISTING)	40.106856	-80.532176
H3 (EXISTING)	40.106819	-80.532169
H8 (EXISTING)	40.106780	-80.532169

DESCRIPTION	QUANTITIES
INSTALL MOUNTABLE BERM	24 CY
SEED & MULCH DISTURBED MATERIAL PILE	N/A SY
12" COMPOSITE SOCK	1190 LF
INSTALL SUMPS	3 EA
RIP-RAP AT SUM DISCHARGE	4.74 CY
REMOVAL OF EXISTING 6" HDPE	3 EA
REMOVAL OF EXISTING 4" HDPE	N/A EA
STONE FOR PAD SURFACE REPAIR AND MOUNTABLE BERM STONE SURFACING	21 CY
WELL SITE PAD DATA (RECLAMATION)	
REMOVE SUMP	3 EA
BREACH BERM	3 EA
10' WIDE RIP-RAP DISCHARGE CHANNELS	109 CY

SITE LOCATIONS	LATITUDE	LONGITUDE
BEGINNING OF MAIN ACCESS ROAD	40.102354	-80.529579
MAIN ACCESS ROAD AT PAD	40.106097	-80.532436
CENTER OF PAD	40.106825	-80.532135
GATHERING AREA	40.104085	-80.529553

NO	DATE	DESCRIPTION
1	8/28/2017	REVISIONS ON PLAN SET
2	10/5/2017	WADOH COMMENTS
3	12/07/2017	LIMITS OF DISTURBANCE REVISION

WEST VIRGINIA 811  
CALL BEFORE YOU DIG!

**SWN**  
Southwestern Energy®

**Civil & Environmental Consultants, Inc.**  
600 Marketplace Ave - Suite 200 - Bridgeport, WV 26330  
Ph: 304.933.5119 - Fax: 304.933.3827  
www.cecninc.com

**SOUTHWESTERN PRODUCTION COMPANY**  
WILLIAM RODGERS WELL PAD  
LIBERTY DISTRICT  
OHIO COUNTY, WEST VIRGINIA  
WILLIAM RODGERS RECLAMATION AS-BUILT  
TITLE SHEET

**DEMI APPROVED BY:** JDR  
PROJECT NO.: 171-944  
FIGURE NO.: TSI

02/16/2024