



west virginia department of environmental protection

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

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

Monday, November 25, 2024  
WELL WORK PERMIT  
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359

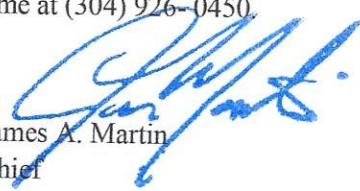
SPRING, TX 773914954

Re: Permit approval for Roth OHI 210H  
47-069-00374-00-00

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: Roth OHI 210H  
Farm Name: Roth Farms, LLC  
U.S. WELL NUMBER: 47-069-00374-00-00  
Horizontal 6A New Drill  
Date Issued: 11/25/2024

Promoting a healthy environment.

11/29/2024

# 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.

11/29/2024

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

1) Well Operator: SWN Production Co., LLC Operator ID 494512924 County 069-Ohio District 005-Richland Quadrangle 641-Tiltonsville

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

3) Farm Name/Surface Owner: Roth Farms, LLC Public Road Access: Clearview Avenue

4) Elevation, current ground: 1004' Elevation, proposed post-construction: 1004'

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

Other

(b) If Gas Shallow x Deep

Horizontal x

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6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):

Target Formation- Marcellus, Down-Dip well to the South, Target Top TVD- 5749', Target Base TVD- 5808', Anticipated Thickness- 59', Associated Pressure- 3775

8) Proposed Total Vertical Depth: 5792'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,213'

11) Proposed Horizontal Leg Length: 15,423.99'

12) Approximate Fresh Water Strata Depths: 422'

13) Method to Determine Fresh Water Depths: Logs on pad 47-069-00350

14) Approximate Saltwater Depths: 1119' reported in nearby well

15) Approximate Coal Seam Depths: 196'

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

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

(a) If Yes, provide Mine Info: Name: Valley Camp NO 1

Depth: 196'

Seam: Pittsburgh

Owner: Valley Camp Coal

Valley Camp  
STRADER COVER  
9/18/2024

470690037

18)

**CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	136'	136' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	472'	472' ✓	538 sx/CTS ✓
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1600'	1600' ✓	634 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	22213'	22213' ✓	Tail 4181sx/ 100' Inside Intermediate
Tubing							
Liners							RECEIVED Office of Oil and Gas

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TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Surface	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:				

*Stradler Gower*  
STRADLER GOWER  
9/18/2024

4706900374

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): 24.35

22) Area to be disturbed for well pad only, less access road (acres): 10.46

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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25) Proposed borehole conditioning procedures:

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

\*Note: Attach additional sheets as needed.

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CEMENT ADDITIVES						
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER) <small>up to 3%</small>	<del>XXXXXXXXXX</del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION <small>up to 3%</small>	<del>XXXXXXXXXX</del>	INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
INTERMEDIATE	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	0047	FP 28L	<del>XXXXXXXXXX</del>	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	<del>XXXXXXXXXX</del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETARY
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
PRODUCTION	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	<del>XXXXXXXXXX</del>	55-IIW	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	DO47	FP 28L	<del>XXXXXXXXXX</del>	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	OX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATICAMIDE POLYMER	PROPRIETARY
	0255	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	<del>XXXXXXXXXX</del>	FL-66	0501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETARY
	<del>XXXXXXXXXX</del>	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	<del>XXXXXXXXXX</del>	VISCOFIER/ANTI-SETTLING AGENT	REFINED POLYMER/CHRYSTALLINE SILICA	PROPRIETARY
	D198	R-3	<del>XXXXXXXXXX</del>	CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1
	D065	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
D800	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CEMENT RETARDER (Mid-Temperature)	SODIUM LIGNOSULFONATE	8061-51-6	

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# Southwestern Energy Company

# Proposed Drilling Program

Well: ROTH OHI 210H  
 Field: PANHANDLE FIELD WET  
 County: OHIO

Drilling Rig: SDC 40  
 Formation: Marcellus Shale  
 State: WV



SHL (NAD83): 40.151214 Latitude -80.686960 Longitude  
 BHL (NAD83): 40.112933 Latitude -80.658902 Longitude  
 KB Elev: 1,030 ft MSL KB Height: 26 ft AGL

GL Elev: 1,004 ft MSL

COAL VOID EXPECTED

PROD TOC @ 1,600' 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/Coal	13.375	54.4 #	J-55	0'	472'
Intermediate	9.625	36.0 #	J-55	0'	1,600'
Production	5.5	20.0 #	P-110 HP	0'	22,213'

### CEMENT DETAIL

	Sacks	Class	Density
Conductor	173	A	19.3
Surface	538	A/L	15.6
Intermediate	634	A/L	15.6
Production	4181	A/L	14.5-15.0

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KOP at 5,728' MD

Freshwater Depth - 422' TVD  
 Coal Void Depth - 196' TVD  
 Saltwater Depth - 1,119' TVD  
 TVD - 5,792'  
 TMD - 22,213'

5,666' TVD Target Center

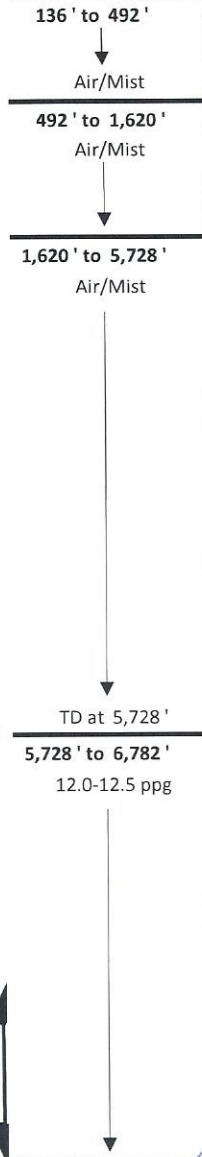
TD at 22,213' MD  
 5,792' TVD

LP at 6,782' MD

SHL Onondaga 5,686' TVD

Onondaga 5,812' TVD

6,782' to 22,213'  
 12.5-13.5 ppg



Created by: Sebastian Ziaja on 02/14/2024

*Steve C...*  
 STRADER GOWER  
 9/18/2024

11/29/2024

WW-9  
(4/16)

API Number 47 - 069 - \_\_\_\_\_  
Operator's Well No. Roth OHI 210H \_\_\_\_\_

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

4706900374

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Upper Ohio Quadrangle Tiltonsville

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

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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 SOBM 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 06-08438, 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 4 day of March, 2024  
*Elizabeth Blankenship* Notary Public  
My commission expires 6/23/2024

Official Seal  
Notary Public, State Of West Virginia  
Elizabeth Blankenship  
941 Simpson Run Road  
Weston WV 26452  
My commission expires June 23, 2024  
**11/29/2024**



**SWN Production Co., LLC**

Proposed Revegetation Treatment: Acres Disturbed 24.35 Prevegetation pH \_\_\_\_\_

Lime as determined by pH test min.2 Tons/acre or to correct to pH 10.46

**4706900374**

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.

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Plan Approved by: STRADEE GOWER *[Signature]*

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Title: Oil & Gas Inspector

Date: 9/18/2024

Field Reviewed?  Yes

No

February 13, 2024

4706900374

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

**RE:** Proposed New Well: Roth OHI 210H

Dear Mr. Brewer:

SWN has reviewed the area of the above mentioned well and discovered no shallow wells within 500' of the lateral. This well is situated on the Roth's property, in Richland District, Ohio County, West Virginia.

If you have any questions or desire additional information, please me at 304-884-1613.

Thank you.

Sincerely,



Brittany Woody  
Staff Regulatory Specialist  
Southwestern Energy Production Company, LLC

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# MARCELLUS WELL DRILLING PROCEDURES

AND

4706900374

# WELL SITE SAFETY PLAN



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

**API NO. 47-XXX-XXXXX**  
**WELL NAME: Roth OHI 210H**  
**Tiltonsville QUAD**  
**Richland DISTRICT**  
**OHIO COUNTY, WEST VIRGINIA**

Submitted by:

Name: Brittany Woody

*Brittany Woody*

Date: 2/13/2024

Title: Staff Regulatory Specialist

SWN Production Co., LLC

Approved by:

Name: STRADER GOWER

Date: 9/18/2024

Title: Oil + Gas Inspector

Approved by:

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

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

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

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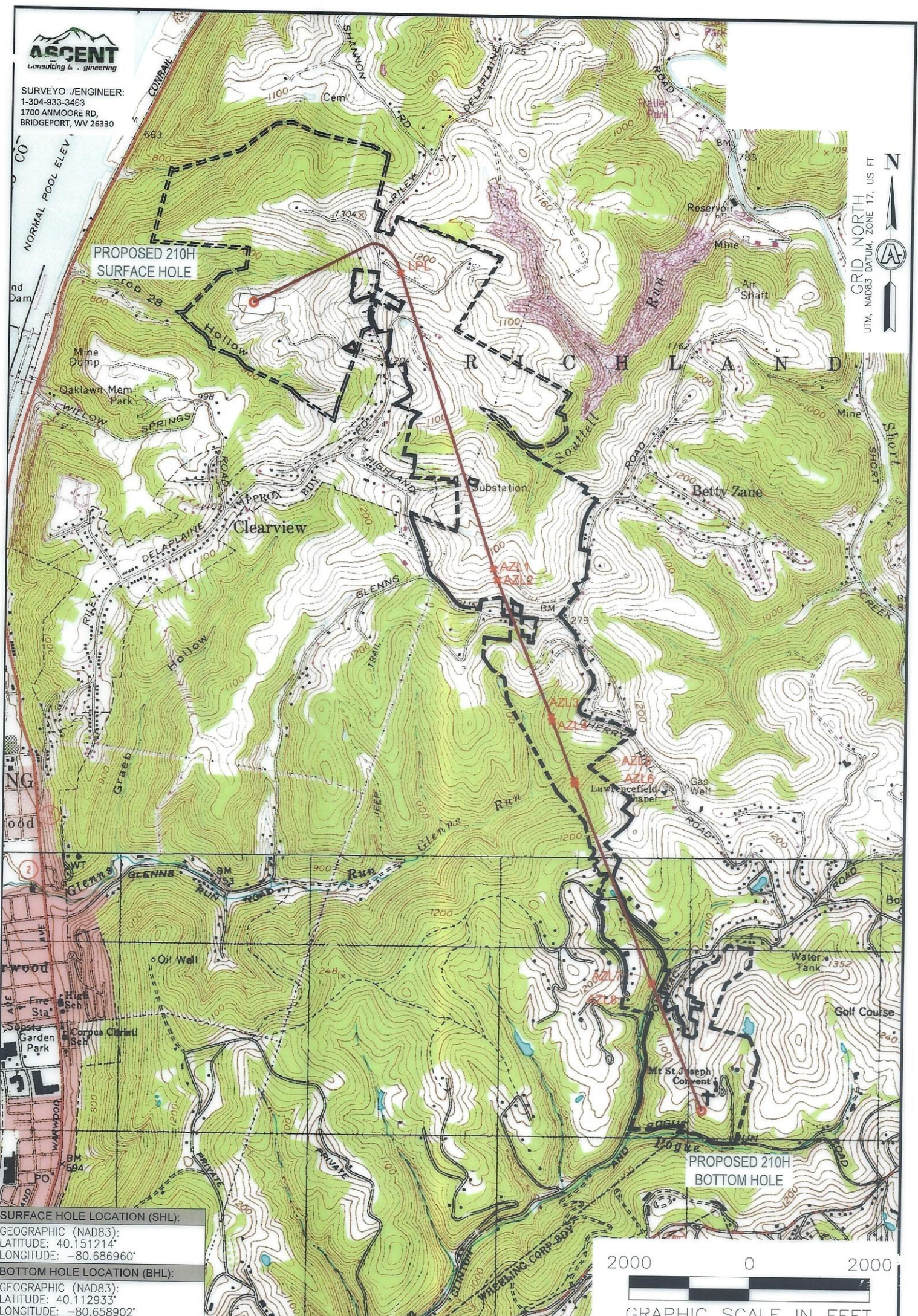
11/29/2024



SURVEY ENGINEER:  
1-304-933-3483  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330

NORMAL POOL ELEV.  
663

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



**SURFACE HOLE LOCATION (SHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.151214°  
LONGITUDE: -80.686960°

**BOTTOM HOLE LOCATION (BHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.112933°  
LONGITUDE: -80.658902°



**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.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

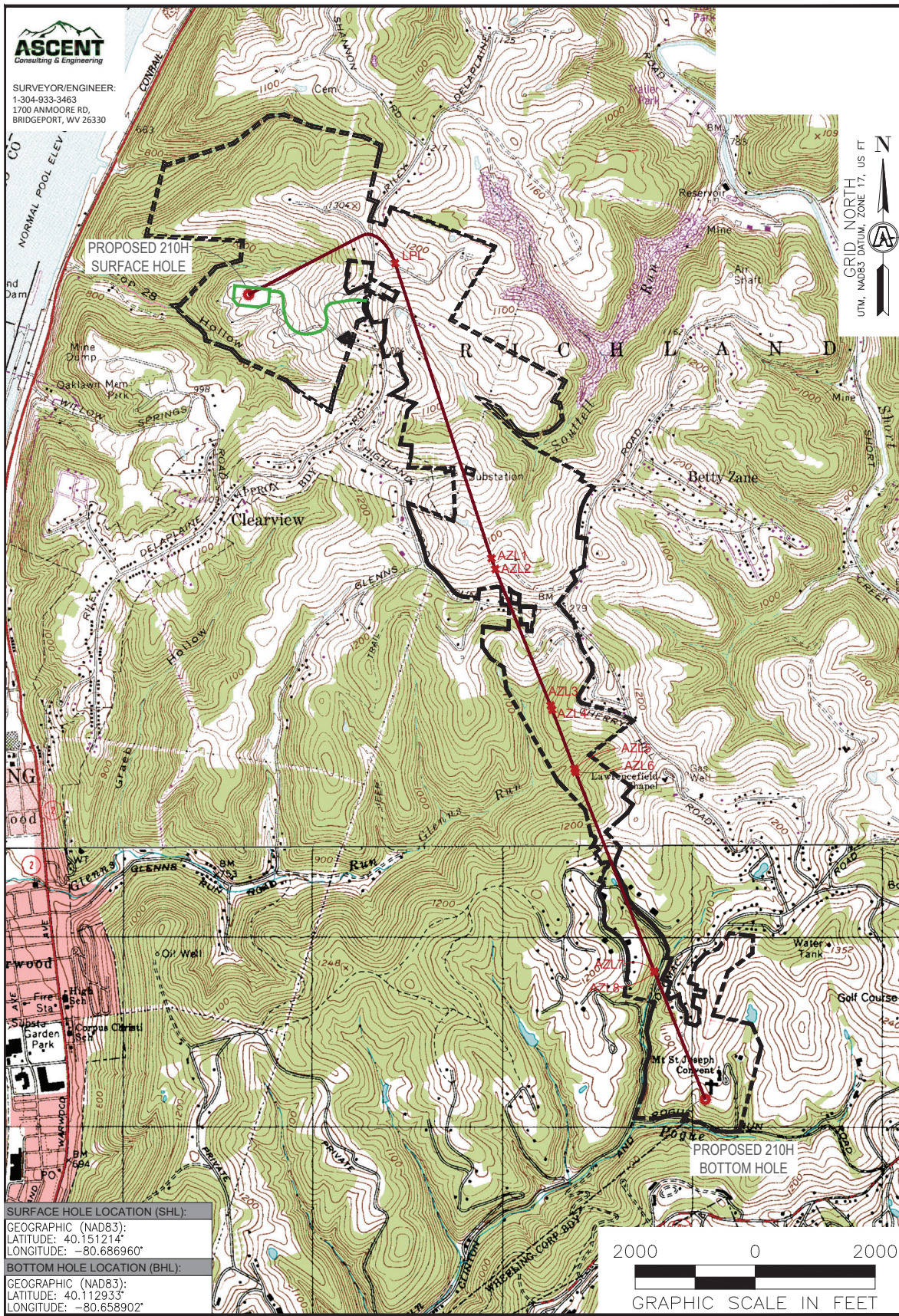
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- ACCESS ROAD
- - - PUBLIC ROAD
- - - - ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

11/29/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: <b>ROTH OHI</b>	WELL # <b>210H</b>	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	COUNTY — CODE OHIO — 069	DISTRICT: RICHLAND	
SURFACE OWNER: ROTH FARMS, LLC	USGS 7 1/2 QUADRANGLE MAP NAME TILTONVILLE 7.5', OH	<b>47-069-00374</b>	



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



**SURFACE HOLE LOCATION (SHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.151214'  
LONGITUDE: -80.686960'

**BOTTOM HOLE LOCATION (BHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.112933'  
LONGITUDE: -80.658902'

**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.
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4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH



**WELL OPERATOR:**  
SWN PRODUCTION COMPANY, LLC

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

**SURFACE OWNER:**  
ROTH FARMS, LLC

**WELL (FARM) NAME:**  
ROTH OHI

**COUNTY - CODE:**  
OHIO - 069

**USGS 7 1/2 QUADRANGLE MAP NAME:**  
TILTONVILLE 7.5', OH

**WELL #**  
210H

**SERIAL #**  
XXXX

**DISTRICT;**  
RICHLAND

11/29/2024

LATITUDE: 40°10'00"

SURFACE HOLE 5,671

BOTTOM HOLE 9,480'

BOTTOM HOLE 4,395'  
SURFACE HOLE 5,629'



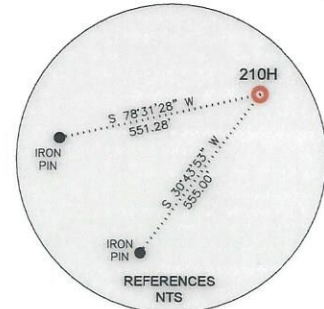
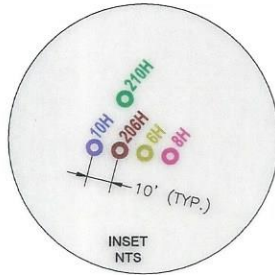
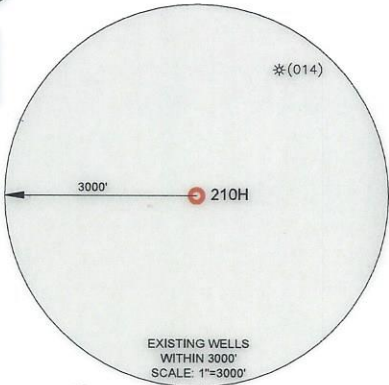
SURVEYOR/ENGINEER: 1-304-933-3463  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,587.722 EASTING: 526,661.947
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,753.237 EASTING: 527,433.367
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,440,347.589 EASTING: 529,068.006

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 71°25'59" E	1,784.95'	SHL TO MONUMENT	5/8" IRON REBAR
L2	N 88°41'13" E	1,721.69'	SHL TO MONUMENT	1" IRON PIPE



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



LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 77°53'25" E	2,588.50'	3,038.47'	SHL TO LPL
L4	S 18°04'26" E	5,368.47'	5,368.47'	LPL TO AZL1
L5	S 20°03'27" E	198.24'	198.28'	AZL1 TO AZL2
L6	S 22°02'29" E	2,544.85'	2,544.85'	AZL2 TO AZL3
L7	S 21°16'18" E	77.32'	77.32'	AZL3 TO AZL4
L8	S 20°29'38" E	1,090.30'	1,090.30'	AZL4 TO AZL5
L9	S 21°01'33" E	53.10'	53.10'	AZL5 TO AZL6
L10	S 21°33'23" E	3,710.21'	3,710.21'	AZL6 TO AZL7
L11	S 21°38'08" E	9.63'	9.63'	AZL7 TO AZL8
L12	S 21°44'57" E	2,371.83'	2,371.83'	AZL8 TO BHL

WELL RESTRICTIONS

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

NOTES ON SURVEY

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

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

P.S. 983



COMPANY:  
**SWN** **SWN** <sup>RT-V+0</sup>  
Production Company, LLC 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 ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: <b>210H</b> API WELL #: <b>47</b> <b>69</b> <b>00374</b> STATE COUNTY PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input type="checkbox"/>	WATERSHED: UPPER OHIO-WHEELING DISTRICT: RICHLAND COUNTY: OHIO SURFACE OWNER: ROTH FARMS, LLC OIL & GAS ROYALTY OWNER: ROTH FARMS, LLC

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

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) \_\_\_\_\_

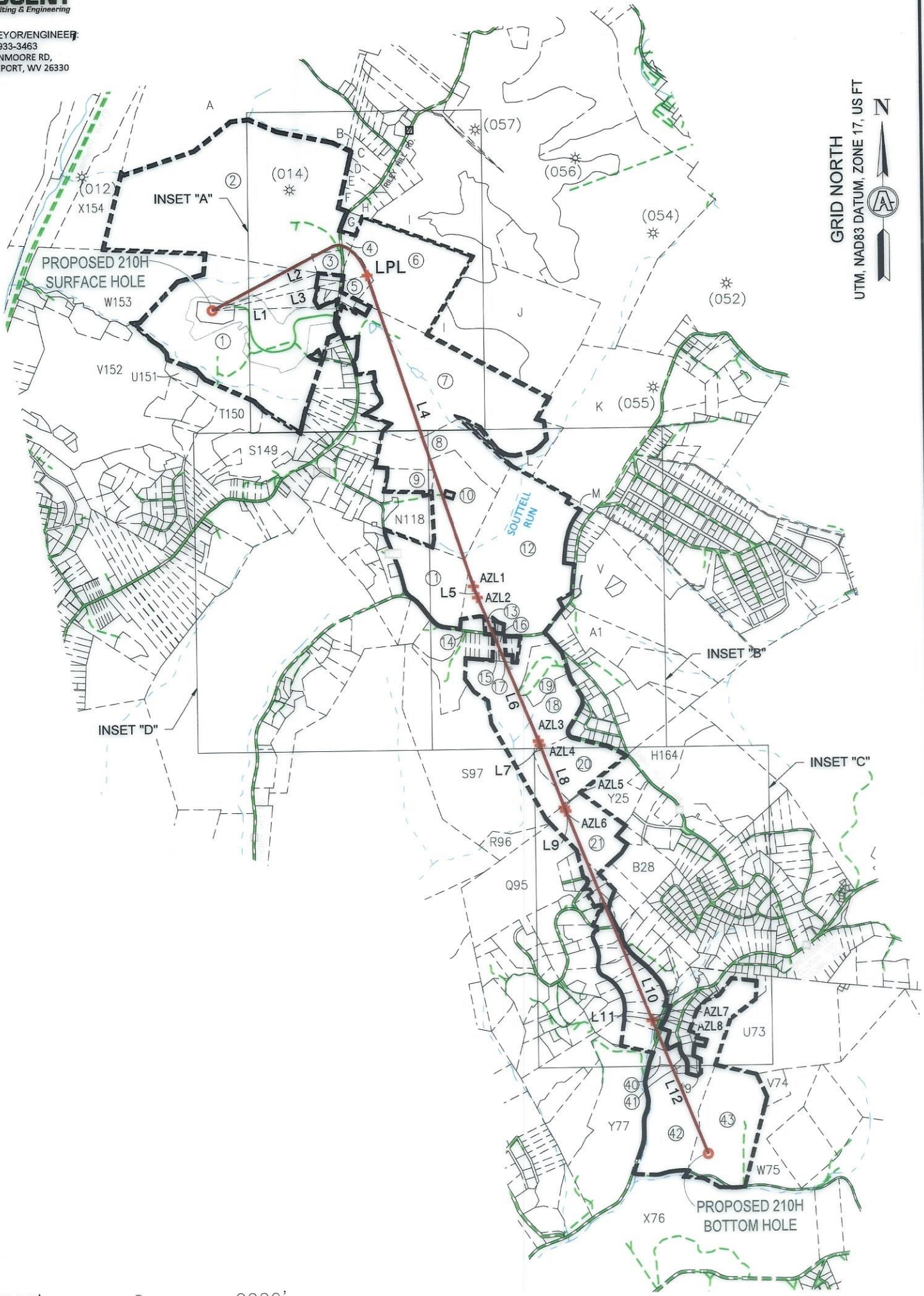
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,792' TO 6,253' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY  
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201  
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

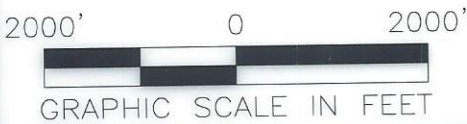
<b>LEGEND:</b> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD <b>LPL</b> LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	<b>REVISIONS:</b> DATE: 03-06-2024 DRAWN BY: TMF SCALE: 1" = 2000' DRAWING NO: ACE-2598 WELL LOCATION PLAT 1
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SURVEYOR/ENGINEER:  
1-304-933-3463  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330



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

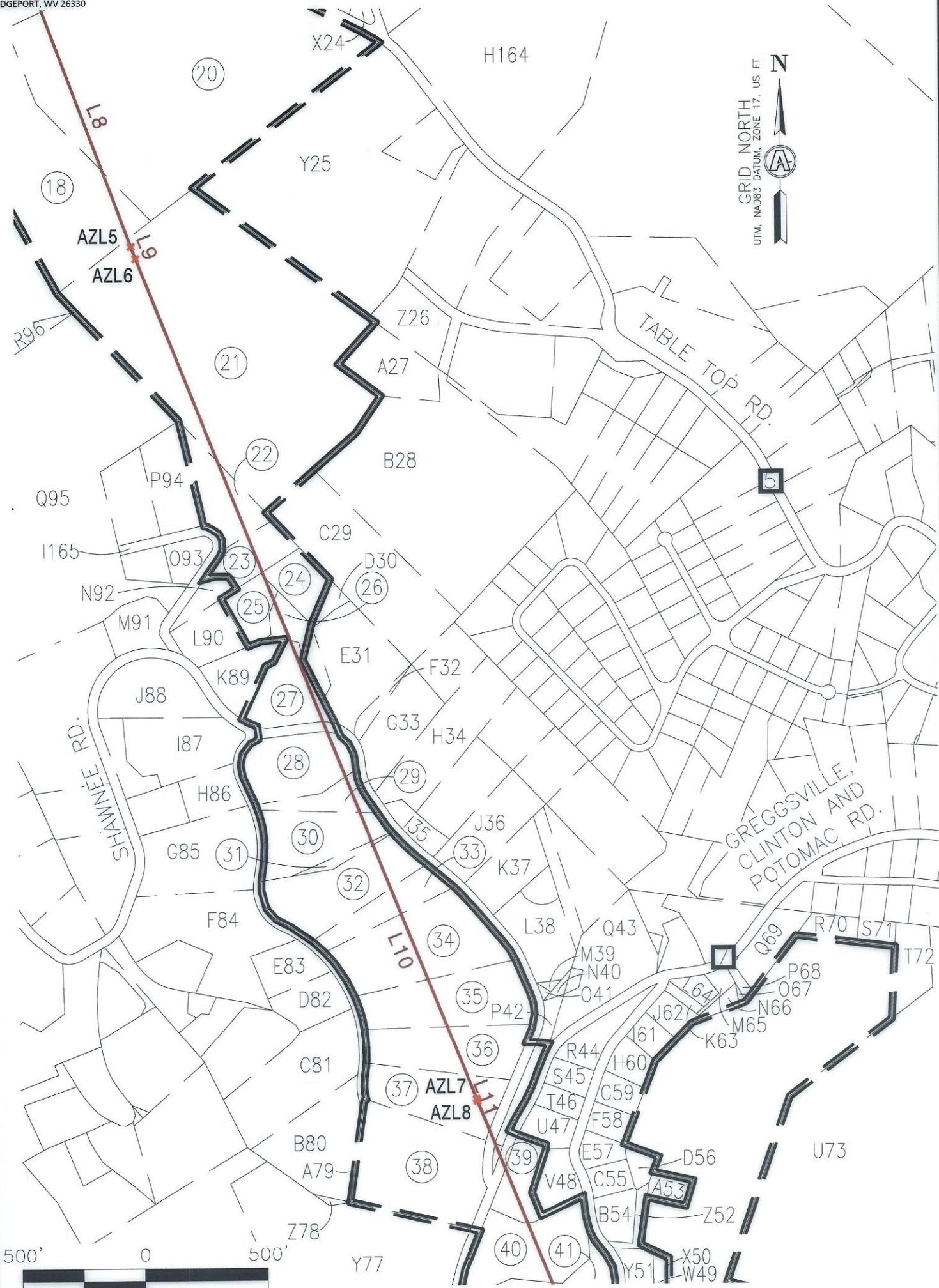


11/29/2024

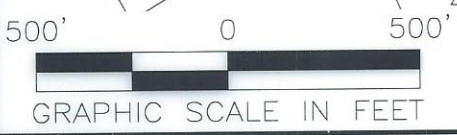
REVISIONS:	COMPANY:			DATE: 03-06-2024	
	OPERATOR'S			ROTH OHI	
	WELL #:		210H		DRAWN BY: TMF
	DISTRICT:	COUNTY:	STATE:	SCALE: 1"=2000'	
RICHLAND	OHIO	WV	DRAWING NO: ACE-2598		
			WELL LOCATION PLAT 2		



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



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



INSET "C"

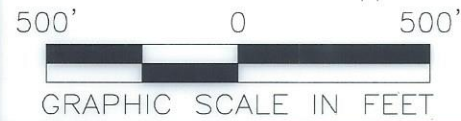
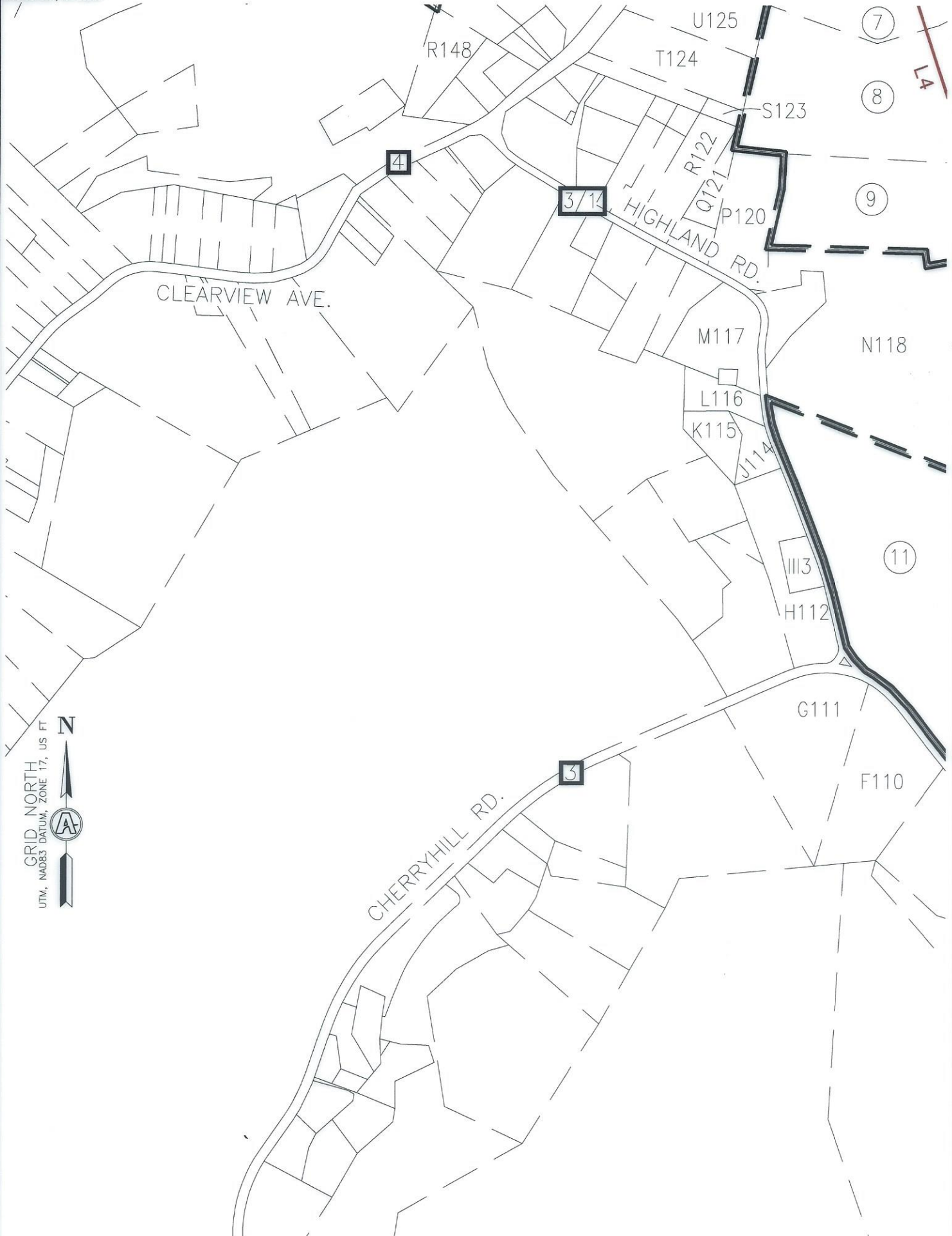
11/29/2024

REVISIONS:	COMPANY:			DATE: 03-06-2024
	OPERATOR'S	ROTH OHI		DRAWN BY: TMF
	WELL #:	210H		SCALE: 1"=500'
	DISTRICT:	COUNTY:	STATE:	DRAWING NO: ACE-2598
	RICHLAND	OHIO	WV	WELL LOCATION PLAT 5





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



INSET "D"

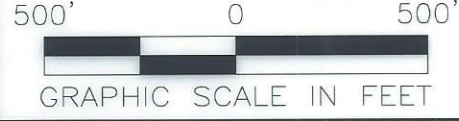
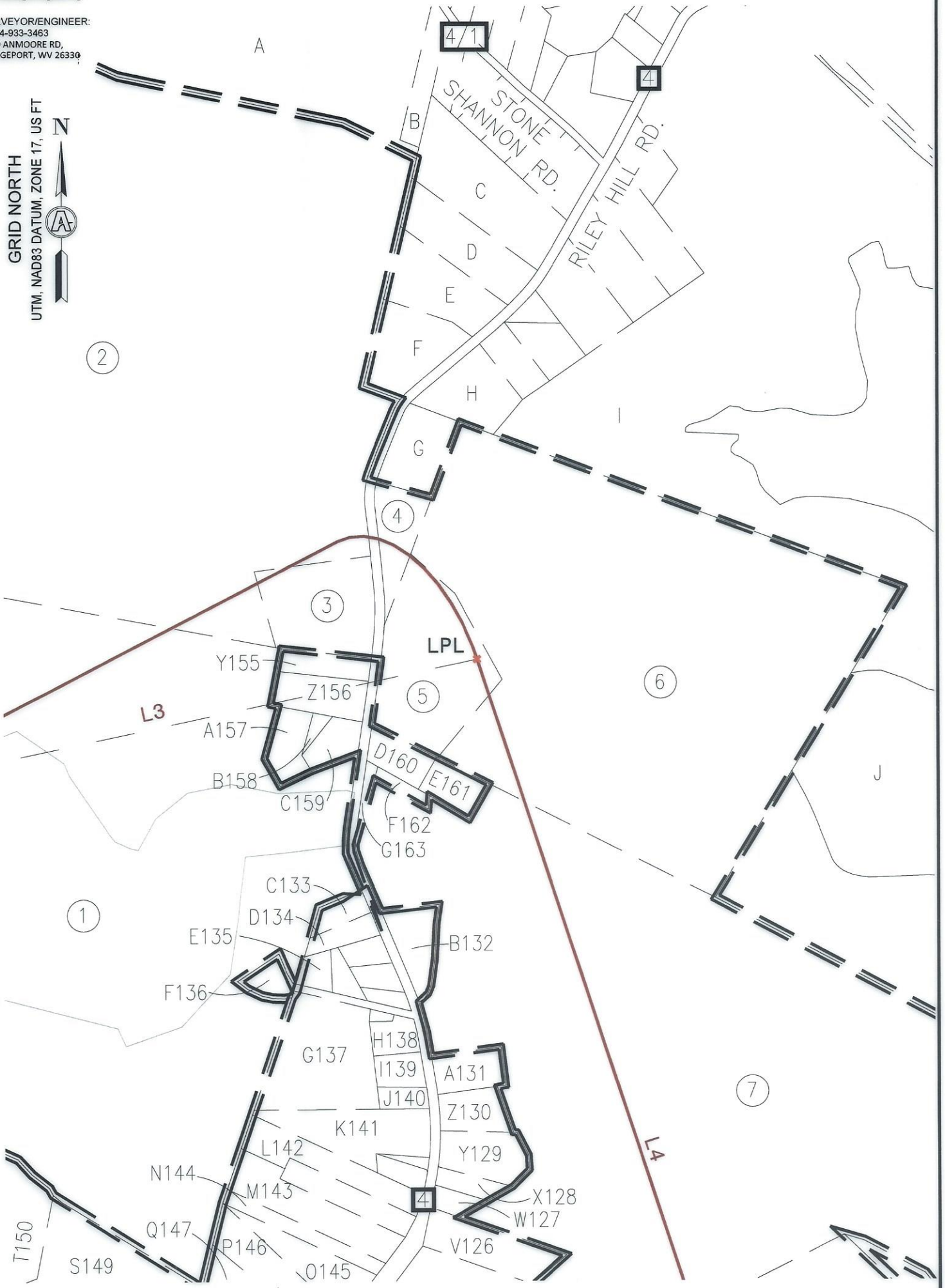
11/29/2024

REVISIONS:	COMPANY:			
	OPERATOR'S		ROTH OHI	
	WELL #:		210H	
	DISTRICT:	COUNTY:	STATE:	DATE: 03-06-2024
	RICHLAND	OHIO	WV	DRAWN BY: TMF SCALE: 1"=500' DRAWING NO: ACE-2598 WELL LOCATION PLAT 6



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

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



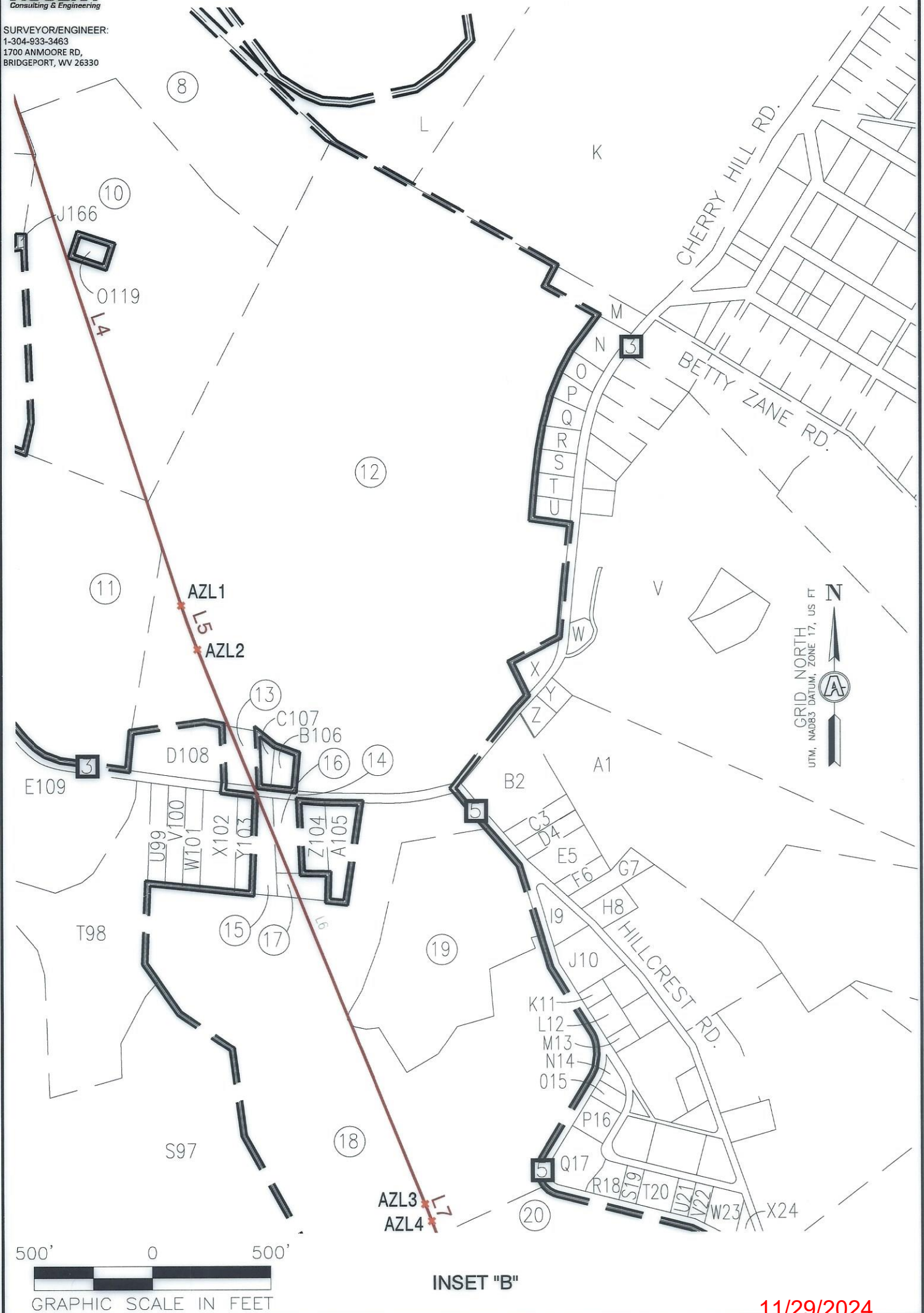
INSET "A"

11/29/2024

REVISIONS:	COMPANY:			
	OPERATOR'S			
	WELL #:		ROTH OHI 210H	
	DISTRICT:	COUNTY:	STATE:	DATE:
RICHLAND	OHIO	WV	03-06-2024	
			DRAWN BY:	TMF
			SCALE:	1"=500'
			DRAWING NO:	ACE-2598
			WELL LOCATION:	PLAT 3



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



INSET "B"

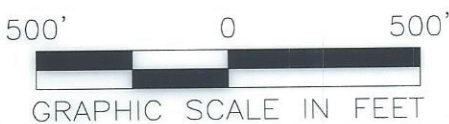
11/29/2024

REVISIONS:	COMPANY:			
	OPERATOR'S		ROTH OHI	
	WELL #:		210H	
	DISTRICT:	COUNTY:	STATE:	DATE: 03-06-2024
	RICHLAND	OHIO	WV	DRAWN BY: TMF
				SCALE: 1"=500'
				DRAWING NO: ACE-2598
				WELL LOCATION PLAT 4



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

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER ( S )/ROYALTY OWNER ( R )	TAX PARCEL
1	ROTH FARMS, LLC ( S )/ROTH FARMS, LLC ( R )	4-R7-24
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	MCCLURE WM H & MARG A	4-R4-07
3	MCCLURE WM H & MARGARET A	4-R7-26.1
4	HABERFIELD WAYNE K & D A	4-R8-1
5	SCHUETZ EBBIE JOSEPH & JOY	4-R8-3
6	TUNNEL RIDGE LLC	4-R8-3.2
7	TUNNEL RIDGE LLC	4-R8-4.18
8	CRAFT JOSEPH W III FOUNDATION	4-R8-63.2
9	TUNNEL RIDGE LLC	4-R8-63
10	TUNNEL RIDGE LLC	4-R8-79
11	TUNNEL RIDGE LLC	4-R8-67
12	CRAFT JOSEPH W III FOUNDATION	4-R8-51
13	SHELL HOLLY L	4-R8N-13
14	STATE OF WEST VIRGINIA, DEPARTMENT OF TRANSPORTATION	CHERRY HILL ROAD
15	KOEHL THOMAS A & R A	4-R8N-6
16	MURRAY JOSEPH B & SYLVIA J	4-R8N-7
17	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8N-9
18	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8-53
19	MATUSIC KAREN P & ALAN D GEORGE	4-R8-53.1
20	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R11-12
21	JONES ROBERT E MD INC	4-R11-16.3
22	CUCHTA B WILLIAM III & REBECCA	4-R11-6.9
23	SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE	4-R11-6.7
24	SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE	4-R11-8.2
25	SINICROPE THOMAS D	4-R11-7
26	SINICROPE THOMAS	4-R11-8
27	BABER KENNETH C & STEPHANIE H	4-R11K-24.1
28	IRBY PAUL & BARBARA TRUST	4-R11K-22
29	IRBY PAUL & BARBARA TRUST	4-R11K-71
30	PELUCETTE NATHAN V & LAUREN E	4-R11K-21
31	SPENCER THOMAS W & CATHERINE K	4-R11K-19.2
32	SPENCER THOMAS W & CATHERINE K	4-R11K-19
33	SPENCER THOMAS W & CATHERINE K	4-R11K-19.1
34	WHITMIRE C E & J K	4-R11K-17
35	LIMBERT PAUL M AND LOUISE P	4-R11K-16
36	TODD C BROWN & SUZANNE L. BROWN	4-R11K-13
37	BOYD ALLAN A CAMPBELL LINDA L	4-R11P-2
38	FITZSIMMONS ROBERT J	4-R11P-3
39	SISTERS OF ST JOSEPH OF WHG	4-R11-21.38
40	CARPENTER DAVID & KATHERINE R	4-R11-21.9
41	MILDRED GERLING, ALFREDO AGUIRRE, & KATHY AGUIRRE	4-R11-21.22
42	SISTERS OF ST JOSEPH OF WHEELING INC	4-R11-21
43	SISTERS OF ST JOSEPH OF WHG	4-R11-20



11/29/2024

REVISIONS:	COMPANY:			DATE: 03-06-2024
	OPERATOR'S			ROTH OHI
	WELL #:		210H	DRAWN BY: TMF
	DISTRICT:	COUNTY:	STATE:	SCALE: 1"=2000'
RICHLAND	OHIO	WV	DRAWING NO: ACE-2598	
			WELL LOCATION PLAT 7	



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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S)	TAX PARCEL
A	HEART 2 HEART VOLUNTEERS INC	4-R4-05
B	BOYD ROBERT JEFFREY & CHERYL L	4-R5-24
C	OLEJASZ JOSEPH R JR	4-R5-34
D	OLEJASZ JOSEPH R JR	4-R5-35
E	KUCERA CARL J & SHARON L	4-R5-35.2
F	PAVELICH-SWIGER SHERRI J PAVELICH JEFFREY M	4-R5-35.1
G	SHELL RICHARD A & N	4-R8-1.1
H	WEIGAND PAUL & REBECCA FAMILY TRUST	4-R5-40.1
I	TUNNEL RIDGE LLC	4-R5-40.7
J	CRAFT JOSEPH W III FOUNDATION	4-R8-3.1
K	CRAFT JOSEPH W III FOUNDATION	4-R8-5
L	CRAFT JOSEPH W III FOUNDATION	4-R8-4.13
M	HERCULES ROBERT D & PATSY G	4-R8K-113
N	HERCULES ROBERT D & P G	4-R8K-103
O	BOZENSKE B H AND OKELLEY KJ	4-R8K-104
P	REED ELMER & JOY	4-R8K-105
Q	REED ELMER K & J D	4-R8K-106
R	FRAGALE ELAINE & SPEAKER KURT	4-R8K-107
S	OCHAP EUGENE F & DENISE R	4-R8K-108
T	OCHAP EUGENE F & D R	4-R8K-109
U	MCGEE JOHN M	4-R8P-17
V	THOMAN FRANZ	4-R8-62
W	TUNNEL RIDGE LLC	4-R8P-16
X	WEAVER SHIRLEY M	4-R8P-2
Y	TUNNEL RIDGE LLC	4-R8P-14
Z	TUNNEL RIDGE LLC	4-R8P-15
A1	TUNNEL RIDGE LLC	4-R8-62.4
B2	TUNNEL RIDGE LLC	4-R8P-1
C3	COTTRELL CLARA M	4-R8P-3
D4	IVERSON DERRICK H & BARBARA A	4-R8P-4
E5	STOLLAR HEATHER D	4-R8P-5
F6	WEST WINSTON W JR	4-R8P-6
G7	WEST WINSTON W JR	4-R8P-7
H8	METZ MATTHEW R	4-R8P-8
I9	TEUFELERNESTINE M	4-R8P-9
J10	LINTON MARK D & CHERYL A BROZOVICH	4-R11B-2
K11	BART DESTEFANO & NANCY E DESTEFANO	4-R11B-5
L12	BURNS WILLIAM D & JILL R	4-R11B-6
M13	BURNS WILLIAM D & JILL R	4-R11B-10
N14	NAEGELE ALAN SANDSTORM MARY ANN	4-R11B-26
O15	NAEGELE ALAN SANDSTROM MARY ANN	4-R11B-27
P16	SCHULTZ AIRRY ANN	4-R11B-28
Q17	PATERNO JOSEPH III	4-R11B-29
R18	MAXWELL MARY ANN	4-R11B-31
S19	MAXWELL MARY ANN	4-R11B-32
T20	ZANE TIMOTHY D	4-R11B-33
U21	ZANE TIMOTHY D	4-R11B-35
V22	VARGO RONALD J	4-R11B-36
W23	LEMLEY STEPHEN J & E	4-R11B-37
X24	KING JOHN W & LINDA A - TOD	4-R11B-38
Y25	LOUGH DONALD H JR & A L	4-R11-16.12
Z26	SEBULSKY RONALD J	4-R11-16.5
A27	JONES ROBERT E MD INC	4-R11-16.10
B28	JONES ROBERT E MD INC	4-R11-17
C29	KENAMOND PENNY J	4-R11-17.1
D30	KENAMOND PENNY	4-R11-8.3
E31	KENAMOND PENNY J	4-R11-8.1
F32	TAYLOR JAMES M AND HEATHER A	4-R11K-24
G33	TAYLOR JAMES M AND HEATHER A	4-R11K-23
H34	PANEPINTO MARK D	4-R11K-25
I35	PANEPINTO MARK D & MINDY D	4-R11K-26
J36	BAUKNECHT JON ROSS & BAUKNECHT DONNA MARIE	4-R11K-27
K37	FARMER MARK S	4-R11K-28.1
L38	FARMER MARK S	4-R11K-28.2
M39	OHIO COUNTY PUBLIC SERV DIST	4-R11K-28.4

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S)	TAX PARCEL
N40	OHIO COUNTY PUBLIC SERV DIST	4-R11K-33.1
O41	OHIO COUNTY PUBLIC SERV DIST	4-R11K-16.1
P42	PENNINGTON EDWARD B	4-R11K-33
Q43	MORGAN SHARON - TOD	4-R11K-32
R44	BRITT DARRELL GENE & SANDRA K	4-R11-21.36
S45	SIEWNY PATRICIA J & JOHN L	4-R11-21.33
T46	TINA M HINZEY	4-R11-21.32
U47	TINA M HINZEY	4-R11-21.30
V48	WALLER WILLIAM O	4-R11-21.20
W49	KLUG ELEANOR L	4-R11-21.29
X50	KLUG ELEANOR L	4-R11-21.31
Y51	KLUG ELEANOR L	4-R11-21.27
Z52	FRASNELLI ROBERT V & R A	4-R11-21.23
A53	FRASNELLI ROBERT V & R A	4-R11-21.34
B54	FRASNELLI ROBERT V & R A	4-R11-21.21
C55	DURDINES JOHN MICHAEL JR	4-R11-21.26
D56	DURDINES JOHN MICHAEL JR	4-R11-21.25
E57	DURDINES JOHN MICHAEL JR	4-R11-21.10
F58	RANDOLPH ROBERT A & B A	4-R11-21.17
G59	WOJCIK FRANK B & F A	4-R11-21.19
H60	BALLARD RICHARD W & S M	4-R11-21.18
I61	VALPUT JEFFREY J	4-R11-21.14
J62	BRETT W MEACHAM & REBECCA W MEACHAM	4-R11-21.16
K63	MURRAY WILLIAM H JR & S L	4-R11-21.15
L64	MURRAY WM H JR & S L	4-R11-21.8
M65	MURRAY WILLIAM M JR & SHELLY L	4-R11-21.40
N66	MURRAY WILLIAM M JR & SHELLY L	4-R11-21.35
O67	MURRAY WILLIAM M JR & SHELLY L	4-R11-21.41
P68	SISTERS OF SAINT JOSEPH OF WHEELING INC	4-R11-21.39
Q69	WAYNE GEORGANN R & HOWARD N JR	4-R11-21.11
R70	KUCHINSKI KELLY A & SHANNON M	4-R11-21.12
S71	TENNANT BRANDON M	4-R11-36
T72	KEEFER FRANK JAY - TOD	4-R11-21.28
U73	WHEELING PARK COMMISSION	4-R11-21.5
V74	WHEELING PARK COMMISSION	4-R11-20.1
W75	PARKS SYSTEM TRUST FUND OF WHEELING	4-R11-21.3
X76	CITY OF WHEELING	4-R14-15
Y77	JONES WILBUR S JR JEFFERSON JOYCE P	4-R14-90
Z78	BORDAS LINDA M	4-R11P-1.1
A79	FITZSIMMONS ROBERT J	4-R11P-3.1
B80	BORDAS LINDA M	4-R11P-1
C81	BORDAS LINDA M	4-R11K-12
D82	BELANCIC ERIC J	4-R11K-15
E83	BUSH STEVEN & LAURA	4-R11K-14
F84	MARTHA W HOBBS	4-R11K-10
G85	MARTHA W HOBBS	4-R11K-9
H86	MARTHA W HOBBS	4-R11K-8
I87	GAUNSKI THOMAS P & L W	4-R11K-7.1
J88	DEARTH JOHN EDW & P C	4-R11K-6
K89	GARDILL JAMES CHRISTOPHER & JODIE K	4-R11K-24.2
L90	GULLO GAYE R	4-R11K-24.3
M91	FAMILY TRUST OF JOHN R & AGNES T ARSLAIN (TRUSTEES)	4-R11K-34
N92	SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE	4-R11-6.13
O93	WURTZBACHER JOHN J & ROXANNE B	4-R11-6.8
P94	CUNNINGHAM H SCOTT & SALLY A	4-R11-6.10
Q95	PENN HOLDING LIMITED LIABILITY COMPANY	4-R11-6.3
R96	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R11-11
S97	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8-52
T98	FROME STEPHEN D & REBECCA T-LE FROME S & R IRREVOCABLE TRUST	4-R8-69.2
U99	KOEGLER BRUCE M & A L	4-R8N-1
V100	RYS ROBERT J	4-R8N-2
W101	DILLEY RICHARD J	4-R8N-3
X102	DILLEY RICHARD J	4-R8N-4
Y103	KOEHL THOMAS A & R A	4-R8N-5
Z104	LITTEEN PATRICIA J	4-R8N-8
A105	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8N-10
B106	ORKOSKEY JANET K	4-R8N-11

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

11/29/2024

REVISIONS:	COMPANY:

OPERATOR'S		DATE: 03-06-2024	
WELL #:		DRAWN BY: TMF	
DISTRICT:		SCALE: N/A	
COUNTY:	STATE:	DRAWING NO: ACE-2598	
RICHLAND	OHIO	WELL LOCATION PLAT 8	
	WV		



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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S)	TAX PARCEL
C107	SCHELL HOLLY L	4-R8N-12
D108	SMITH W EVERETT & JOLINDA STEINER	4-R8N-14
E109	MEREDITH RICHARD T AND S F	4-R8-69
F110	MEREDITH DONALD R II AND J K	4-R8-69.3
G111	MEREDITH DONALD R II AND JULIE	4-R8-69.1
H112	DUYMICH JENNIFER L & DAVID	4-R8-66
I113	KARNELL WILLIAM H & JENNIFER	4-R8-66.1
J114	AUTEN GERALD R JR & GRACE A	4-R8-65
K115	JOHN JOSEPH J & KAREN M	4-R8-65.2
L116	RCK 2 GROUP LLC ATTN KAYLEEN FITZSIMMONS	4-R8-64
M117	KIMPEL TODD E & JOYCE E	2-CV4-16
N118	TUNNEL RIDGE LLC	2-CV4-15
O119	WHEELING POWER CO WHEELING ELECTRIC CO	4-R8-63.1
P120	TUNNEL RIDGE LLC	2-CV4-16.2
Q121	STANLEY GEORGE DAVID AND SUSAN	2-CV4-14.2
R122	STANLEY GEORGE D & SUSAN M	2-CV4-14.1
S123	STANLEY GEORGE DAVID STANLEY SUSAN M	2-CV4-8.1
T124	TRACY JOHN A & M A	2-CV4-21.3
U125	TRACY JOHN A & MARY ANN E	2-CV4-21
V126	BAKER VINCENT L	2-CV1-6
W127	BAKER VINCENT L	2-CV1-9
X128	KINNEER VERNON A JR & CARLA C	2-CV1-8
Y129	KINNEER VERNON A JR & CARLA C	2-CV1-7
Z130	BROWN CHAD & YEKATERINA	4-R8-4.19
A131	BROWN CHAD & YEKATERINA	4-R8-4.17
B132	BAKER FAMILY RESIDENCE TRUST; STEVEN P BAKER (LE)	4-R8-4
C133	KUCERA LISA A	4-R8-4.8
D134	HELDEFFER GEORGE W	4-R8-4.7
E135	CAMPBELL ALLEN B	4-R8-4.9
F136	CALDWELL SHANE AND SUZANNE	4-R8-78
G137	CLARK JOHN M & B C	4-R8-4.10
H138	FACEMIRE JAMES G	4-R8-4.3
I139	FEDORKE M PATRICIA	4-R8-4.2
J140	BROWN HARCE M & JENNIFER J	4-R8-4.1
K141	CLEGG R E & J L	2-CV1-5
L142	TOMAC ROBERT C JR	2-CV1-4
M143	ROGERSON KAREN S	2-CV1-2
N144	SHEARER PHILLIP G & CINDY M	2-CV1-1
O145	QUINN JOHN THOMAS	2-CV4-7
P146	QUINN THOMAS F & SUE ANN TAYLOR	2-CV4-7.4
Q147	BENNER SUZANNE J & JAMES T BENNER	2-CV4-7.5
R148	FEDORKE AARON P & FEDORKE RACHEL SUE	2-CV4-4.1
S149	FEDORKE AARON P & TIMOTHY J	2-CV4-3
T150	CITY OF WHEELING	4-R7-18
U151	HARTFILE GARY - TOD	4-R7-15.1
V152	CITY OF WHEELING	4-R7-18
W153	EDGE BRUCE W	4-R7-23
X154	DONOHEW WILLIAM SCOTT & LAURA	4-R4-2.4
Y155	LEFKAY SCOTT A & TRACY L	4-R8-2.3
Z156	FELDNER CHARLENE M - TOD	4-R8-2.1
A157	CALDWELL SHANE J & CALDWELL SUZANNE M	4-R7-24.1
B158	CALDWELL SUZANNE & SHANE	4-R7-24.2
C159	OLEJASZ JR JOSEPH R OLEJASZ JR SR & G (RT-OCC)	4-R8-2.2
D160	MCKEE JAMES F JR & EILEEN B	4-R8-4.14
E161	MCKEE JAMES & EILEEN	4-R8-4.16
F162	MCKEE JAMES & EILEEN	4-R8-4.15
G163	MCKEE JAMES F JR & EILEEN B	4-R8-77
H164	MOLNAR KRISTINE N	4-R11-16.4
I165	SERENITY ROAD LIMITED LIABILITY COMPANY	4-R11-6.21
J166	TUNNEL RIDGE LLC	4-R8-63.3

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

11/29/2024

REVISIONS:	COMPANY:			
	OPERATOR'S		ROTH OHI	
	WELL #:		210H	
	DISTRICT:	COUNTY:	STATE:	DATE: 03-06-2024
	RICHLAND	OHIO	WV	DRAWN BY: TMF
				SCALE: N/A
				DRAWING NO: ACE-2598
				WELL LOCATION PLAT 9

WW-6A1  
(5/13)

Operator's Well No. Roth 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
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.

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

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

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

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

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

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

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



4706900374

EXHIBIT "A"  
Roth OHI 210H

Ohio County, West Virginia

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	4-R7-24	The Trust Agreement of Joseph Roth, dated November 05, 2004	SWN Production Company, LLC	18.00%	931/199	0.00%
/ 2	4-R4-7	William H. McClure and Margaret A. McClure, husband and wife	Fossil Creek Ohio, LLC	18.00%	873/361	0.00%
		RECEIVED Office of Oil and Gas  OCT 24 2024 WV Department of	Gulfport Energy Corporation		887/785 893/379 909/775	
			American Petroleum Partners Operating, LLC		946/405	
			SWN Production Company, LLC			
/ 3	4-R7-26-1	William H. McClure and Margaret A. McClure, husband and wife	Fossil Creek Ohio, LLC	18.00%	873/361	0.00%
			Gulfport Energy Corporation		887/785 893/379 909/775	
			American Petroleum Partners Operating, LLC		946/405	
			SWN Production Company, LLC			
/ 4	4-R8-1	Wayne K. Haberfield and Deborah A. Haberfield, husband and wife	SWN Production Company, LLC	16.00%	916/249	0.00%
/ 5	4-R8-3	Ebbie Joseph Schuetz and Joy Schuetz, husband and wife	SWN Production Company, LLC	15.00%	954/784	0.00%
/ 6	4-R8-3-2	Tunnel Ridge, LLC	SWN Production Company, LLC	17.00%	916/91	0.00%
/ 7	4-R8-4-18	Paul Baker	SWN Production Company, LLC	16.00%	928/552	0.00%
/ 8	4-R8-63-2	Alliance Resource GP, LLC	SWN Production Company, LLC	17.00%	916/98	0.00%
/ 9	4-R8-63	Tunnel Ridge, LLC	SWN Production Company, LLC	17.00%	916/91	0.00%
/ 10	4-R8-79	Tunnel Ridge, LLC	SWN Production Company, LLC	17.00%	916/91	0.00%
/ 11	4-R8-67	Tunnel Ridge, LLC	SWN Production Company, LLC	17.00%	916/91	0.00%
/ 12	4-R8-51	Alliance Resource GP, LLC	SWN Production Company, LLC	17.00%	916/98	0.00%
/ 13	4-R8N-13	Holly L. Schell	SWN Production Company, LLC	14.00%	915/443	0.00%
/ 14	Glen's Run Road/Cherry Hill Road/CR3	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	20.00%	1017/169	0.00%
/ 15	4-R8N-6	Thomas A. Koehl, a widower	SWN Production Company, LLC	14.00%	915/385	0.00%
/ 16	4-R8N-7	Joseph Barney Murray and Sylvia Jean Murray, husband and wife	SWN Production Company, LLC	14.00%	918/276	0.00%
/ 17	4-R8N-9	Jessica B. Hogan, a single woman	SWN Production Company, LLC	18.00%	932/362	0.00%
		Mary Ann Hess Realty, LLC	SWN Production Company, LLC	18.00%	934/279	0.00%
		W. Neil Hogan, III, a single man	SWN Production Company, LLC	18.00%	934/287	0.00%
/ 18	4-R8-53	Jessica B. Hogan, a single woman	SWN Production Company, LLC	18.00%	932/362	0.00%
		Mary Ann Hess Realty, LLC	SWN Production Company, LLC	18.00%	934/279	0.00%
		W. Neil Hogan, III, a single man	SWN Production Company, LLC	18.00%	934/287	0.00%
/ 19	4-R8-53-1	Jessica B. Hogan, a single woman	SWN Production Company, LLC	18.00%	932/362	0.00%
		Mary Ann Hess Realty, LLC	SWN Production Company, LLC	18.00%	934/279	0.00%
		W. Neil Hogan, III, a single man	SWN Production Company, LLC	18.00%	934/287	0.00%

11/29/2024



EXHIBIT "A"  
Roth OHI 210H

Ohio County, West Virginia

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

20	4-R11-12	Jessica B. Hogan, a single woman	SWN Production Company, LLC	18.00%	932/362	0.00%
		Mary Ann Hess Realty, LLC	SWN Production Company, LLC	18.00%	934/279	0.00%
		W. Neil Hogan, III, a single man	SWN Production Company, LLC	18.00%	934/287	0.00%
21	4-R11-16-3	Robert E. Jones, M.D., Inc.	Chesapeake Appalachia, L.L.C.	18.00%	812/119	0.00%
			SWN Production Company, LLC		884/181	
22	4-R11-6-9	B. William Cuchta, III and Rebecca Ann Cuchta, husband and wife	SWN Production Company, LLC	16.00%	1002/325	0.00%
23	4-R11-6-7	Serenity Road Residence Trust, Richard C. Geary, Jr., Trustee	SWN Production Company, LLC	18.00%	934/659	0.00%
24	4-R11-8-2	Serenity Road Personal Residence Trust, Richard C. Geary, Jr., Trustee	SWN Production Company, LLC	18.00%	934/659	0.00%
25	4-R11-7	Thomas D. Sinicrope, a single man	SWN Production Company, LLC	18.00%	1002/447	0.00%
26	4-R11-8	Thomas D. Sinicrope, a single man	SWN Production Company, LLC	18.00%	1002/447	0.00%
27	4-R11K-24-1	Kenneth C. Baber and Stephanie H. Baber, husband and wife	SWN Production Company, LLC	18.00%	1002/463	0.00%
28	4-R11K-22	Paul Irby and Barbara Ann Irby, or their successors as Trustees of the Paul Irby and Barbara Irby Trust dated April 11, 2018	SWN Production Company, LLC	18.00%	1002/488	0.00%
29	4-R11K-71	Paul Irby and Barbara Ann Irby, or their successors as Trustees of the Paul Irby and Barbara Irby Trust dated April 11, 2018	SWN Production Company, LLC	18.00%	1002/488	0.00%
30	4-R11K-21	John D. Anderson and Irene P. Anderson, husband and wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	938/152 980/572	0.00%
31	4-R11K-19-2	Catherine K. Spencer and Thomas W. Spencer, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	806/281 883/379	0.00%
32	4-R11K-19	Catherine K. Spencer and Thomas W. Spencer, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	806/281 883/379	0.00%
33	4-R11K-19-1	Catherine K. Spencer and Thomas W. Spencer, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	806/281 883/379	0.00%
34	4-R11K-17	Paul S. Michel, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	804/266 883/451	0.00%
35	4-R11K-16	Paul M. Limbert and Louise P. Limbert, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	816/407 884/433	0.00%
36	4-R11K-13	Kenneth W. Burns and Sherie L. Burns, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	804/254 883/439	0.00%
37	4-R11P-2	Alan A. Boyd, a single man and Linda L. Campbell, a single woman	SWN Production Company, LLC	18.00%	981/409	0.00%
38	4-R11P-3	Robert J. Fitzsimmons, a single man	SWN Production Company, LLC	18.00%	940/435	0.00%
39	4-R11-21-38	Royalty Owners	NA	NA	NA	100.00%

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EXHIBIT "A"  
Roth OHI 210H

Ohio County, West Virginia

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

40	4-R11-21-9	Sallie H. Shaw, a widow	Chesapeake Appalachia, L.L.C.	18.00%	805/522	0.00%
			SWN Production Company, LLC		883/355	
41	4-R11-21-22	Gary R. Beale and Darlene F. Beale, husband and wife	SWN Production Company, LLC	18.00%	934/609	0.00%
42	4-R11-21	Royalty Owners	NA	NA	NA	100.00%
43	4-R11-20	Royalty Owners	NA	NA	NA	100.00%
D30	4-R11-8-3	Penny Kenamond	SWN Production Company, LLC	18.00%	1003/496	0.00%
Y103	4-R8N-5	Thomas A. Koehl, a widower	SWN Production Company, LLC	14.00%	915/385	0.00%
D108	4-R8N-14	W. Everett Smith and Jolinda Steiner, husband and wife	SWN Production Company, LLC	18.00%	939/290	0.00%
O119	4-R8-63-1	Wheeling Power Company, i/k/a Wheeling Electric Company	SWN Production Company, LLC	18.00%	954/416	0.00%

END OF EXHIBIT A

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

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

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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

July 25, 2024

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: Roth OHI 210H in Ohio County, West Virginia, drilling under Clearview Avenue, Cherry Hill Road, Mohican Road, Shawnee Road, G. C. and P. Road, and Mt. Saint Joseph 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 concerns as to SWN's right to drill under Clearview Avenue, Cherry Hill Road, Mohican Road, Shawnee Road, G. C. and P. Road, and Mt. Saint Joseph 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,

Timothy F. 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+®

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**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:** September 3, 2024 & September 10, 2024

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

**Applicant:** SWN Production Company, LLC **Well Number:** Roth OHI 210H

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

**Business Conducted:** Natural gas production.

**Location –**

State: West Virginia County: Ohio  
 District: Richland Quadrangle: Tiltonsville  
 UTM Coordinate NAD83 Northing: 4,444,588  
 UTM coordinate NAD83 Easting: 526,662  
 Watershed: Upper Ohio- Wheeling

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**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: [http://tagis.dep.wv.gov/convert/llutm\\_conus.php](http://tagis.dep.wv.gov/convert/llutm_conus.php)

**Electronic notification:**

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

**Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 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 [DEP.comments@wv.gov](mailto:DEP.comments@wv.gov).

**Submitting Comments:**

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

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

Date of Notice Certification: \_\_\_\_\_

API No. 47- 069 - \_\_\_\_\_  
Operator's Well No. Roth OHI 210H \_\_\_\_\_  
Well Pad Name: Roth OHI \_\_\_\_\_

**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	UTM NAD 83	Easting: _____	526661.947
County: _____	069-Ohio		Northing: _____	4444587.722
District: _____	Richland	Public Road Access: _____		Clearview Avenue
Quadrangle: _____	Tiltonsville	Generally used farm name: _____		Roth OHI
Watershed: _____	Upper Ohio			

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.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
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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.

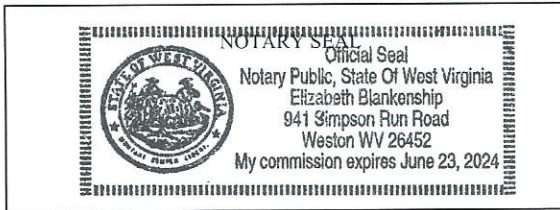
11/29/2024

**Certification of Notice is hereby given:**

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

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

*Brittany Woody*



Subscribed and sworn before me this 4 day of March 2024.  
Elizabeth Blankenship Notary Public  
 My Commission Expires 6/23/2024

**Oil and Gas Privacy Notice:**

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

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 OCT 24 2024  
 WV Department of  
 Environmental Protection

4706900374

WW-6A  
(9-13)

API NO. 47-069 -  
OPERATOR WELL NO. Roth OHI 210H  
Well Pad Name: Roth OHI

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

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

Date of Notice: \_\_\_\_\_ Date Permit Application Filed: 10/24/24

Notice of:

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

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

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

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

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

SURFACE OWNER(s)  
Name: Roth Farm, LLC  
Address: 423 Clearview Avenue  
Wheeling, WV 26003  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: Alliance Resources GP, LLC  
Address: 2596 Battle Run Road  
Triadelphia, WV 26059  
 COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: None  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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11/29/2024

**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 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. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items



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

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

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WV Department of  
Environmental Protection

**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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Office of Oil and Gas  
OCT 24 2024  
WV Department of  
Environmental Protection

WW-6A  
(8-13)

API NO. 47-069 -  
OPERATOR WELL NO. Roth OHI 210H  
Well Pad Name: Roth OHI

**Notice is hereby given by:**

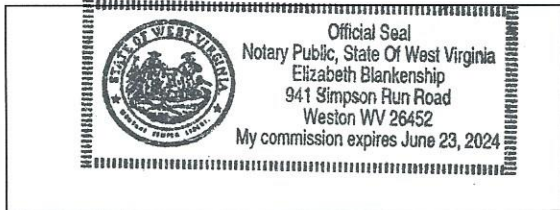
Well Operator: SWN Production Co., LLC  
Telephone: 304-884-1610  
Email: Brittany\_Woody@swn.com

*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 4 day of March 2024.  
Elizabeth Blankenship Notary Public  
My Commission Expires 6/23/2024

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Office of Oil and Gas  
OCT 24 2024  
WV Department of  
Environmental Protection

11/29/2024

4706900374

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:** 2/3/2022      **Date of Planned Entry:** 2/10/2022

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

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

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

**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: The Roth Farm, LLC  
 Address: 423 Clearview Avenue  
 Wheeling, WV 26003  
 \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_

COAL OWNER OR LESSEE

Name: Alliance Resources GP, LLC  
 Address: 2596 Battle Run Road  
 Triadelphia, WV 26059  
 \_\_\_\_\_  
 \_\_\_\_\_

MINERAL OWNER(s)

Name: The Roth Farm, LLC  
 Address: 423 Clearview Avenue  
 Wheeling, WV 26003  
 \_\_\_\_\_  
 \_\_\_\_\_

\*please attach additional forms if necessary

**Notice is hereby given:**

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

State: West Virginia	Approx. Latitude & Longitude: 40.15163347, -80.67956229
County: Ohio	Public Road Access: Clearview Avenue
District: Richland	Watershed: Upper Ohio-Wheeling
Quadrangle: Tiltonsville, OH Quad	Generally used farm name: The Roth Farm, LLC

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	Address: 1300 Fort Pierport Dr., Suite 201
Telephone: 304-884-1610	Morgantown, WV 26508
Email: brittany_woody@swn.com	Facsimile: 304-884-1690

**Oil and Gas Privacy Notice:**

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

11/29/2024

4706900374

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:** 09/05/2024 **Date Permit Application Filed:** 10/24/24

**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: THE ROTH FARM, LLC  
Address: 423 CLEARVIEW AVENUE  
WHEELING, WV, 26003

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

RECEIVED  
Office of Oil and Gas  
OCT 24 2024  
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:	<u>WV</u>	UTM NAD 83 Easting:	<u>526,661.947</u>
County:	<u>OHIO</u>	UTM NAD 83 Northing:	<u>4,444,587.722</u>
District:	<u>RICHLAND</u>	Public Road Access:	<u>CLEARVIEW AVENUE</u>
Quadrangle:	<u>TILTONSVILLE 7.5', OH</u>	Generally used farm name:	<u>ROTH OHI</u>
Watershed:	<u>UPPER OHIO-WHEELING</u>		

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 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: 304-231-8329  
Email: reid\_croft@swn.com  
Facsimile: \_\_\_\_\_

Authorized Representative: Reid Croft  
Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Telephone: 304-231-8329  
Email: reid\_croft@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).

11/29/2024

WW-6A5  
(1/12)

Operator Well No. ROTH OHI 210H

4706900374

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:** 09/05/2024      **Date Permit Application Filed:** 10/29/24

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

CERTIFIED MAIL                                       HAND  
RETURN RECEIPT REQUESTED                                      DELIVERY

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

**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: THE ROTH FARM, LLC  
Address: 423 CLEARVIEW AVENUE  
WHEELING, WV, 26003

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

Office of Oil and Gas  
RECEIVED  
OCT 24 2024  
WV Department of Environmental Protection

**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: WV                                      UTM NAD 83                                      Easting: 526,661.947  
County: OHIO                                      Northing: 4,444,587.722  
District: RICHLAND                                      Public Road Access: CLEARVIEW AVENUE  
Quadrangle: TILTONSVILLE 7.5', OH                                      Generally used farm name: ROTH OHI  
Watershed: UPPER OHIO-WHEELING

**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  
Telephone: 304-231-8329  
Email: reid\_croft@swn.com

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

11/29/2024



4706900374

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
**Division of Highways**

Office of the District Engineer/Manager  
District Four

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

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

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

September 4, 2024

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 Roth Well Pad, Ohio County  
Roth OHI 210H Well Site

Office RECEIVED  
of Oil and Gas  
OCT 24 2024  
WV DEPARTMENT of  
Environmental Protection

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2022-0084 which has been issued to SWN Production Company, LLC for access to the State Road for a well site located off Ohio County Route 4 SLS MP 2.39.

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,

Lacy D. Pratt  
Central Office O&G Coordinator

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

## Attachment VI Frac Additives

Product Name	Product Use	Chemical Name	CAS Number
HCL	Solvent	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
FSTI-CI-02	Corrosion Inhibitor	2-Butoxyethanol	111-76-2
		Ethylene glycol	107-21-1
		N,N-Dimethylformamide	68-12-2
		benzyl chloridequaternized	72480-70-7
		Cinnamaldehyde	104-55-2
		Isopropyl alcohol	67-63-0
		Poly(oxy-1,2-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
		Didecyldimethylammonium Chloride	7173-51-5
		Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
StimSTREAM SC 398 CW	Scale Inhibitor	Ethylene glycol	107-21-1
		CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5
StimSTREAM FR 9800	Friction Reducer	Chemstream-Alkane-00001	Chemstream-Alkane-00001
		Chemstream-Polymer-00001	Chemstream-Polymer-00001
		Ethoxylated alcohols (C12-16)	68551-12-2
		Water	7732-18-5
StimSTREAM FR 2800	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9
		Water	7732-18-5
StimSTREAM FR 9725	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium Chloride	12125-02-9
		Water	7732-18-5
StimSTREAM SC 398 C	Scale Inhibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5

As of 7/5/2023

11/29/2024



OPERATOR: SWN Production Co., LLC

WELL NO: Roth OHI 210H

PAD NAME: Roth OHI

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

SIGNATURE: *Brittany Whady*

RECEIVED  
Office of Oil and Gas  
OCT 24 2024  
WV Department of  
Environmental Protection

### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

*\*Pad Built 6/13/22*

#### 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

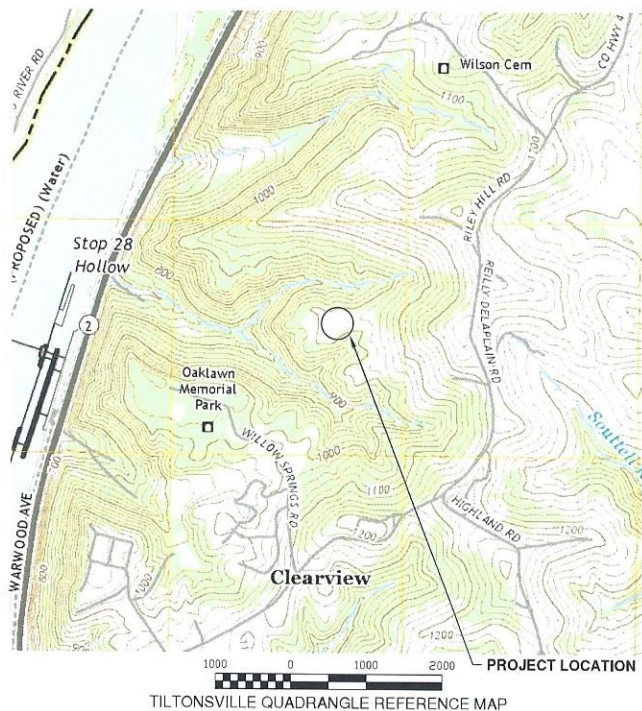
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SHEET INDEX

1	COVER
2	GENERAL NOTES
3	EVACUATION PLAN WITHOUT USGS MAP
4	EVACUATION PLAN WITH USGS MAP
5	EXISTING CONDITIONS
6	BOREHOLE LOCATIONS
7	OVERALL GRADING & ESC PLAN
8	GEOMETRIC LAYOUT PLAN
9-13	ACCESS ROAD PLAN & PROFILE
14-22	ACCESS ROAD CROSS SECTIONS
23	WELL PAD BASELINE PLAN
24	WELL PAD SUBGRADE PLAN
25	WELL PAD PROFILE
26-28	WELL PAD CROSS SECTIONS
28A	STOCKPILE CROSS SECTIONS
29	CULVERT PROFILES
30	RECLAMATION PLAN
31-48	DETAILS
49-54	GEOTECH DESIGN & DETAILS
55-59	BORING LOGS

SOUTHWESTERN PRODUCTION COMPANY, LLC  
 PROPOSED CONSTRUCTION PLANS FOR  
 ROTH PAD  
 OHIO COUNTY, WV  
 APRIL 2022

SWN QUICK ESTIMATE		
Description	Unit	Qty
MOBILIZATION & DEMOBILIZATION (LIMITED TO 5% OF BASE BID)	LS	1
CLEARING & GRUBBING	AC	4.83
TOPSOIL STRIPPING, STOCKPILING, AND REDISTRIBUTION (ASSUMED 10" DEEP)	CY	22,800
EARTHWORK	CY	116,500
SOIL TOE KEY 5' DEEP (INCLUDES EXCAVATION, PIPE, STONE, FABRIC, & COLLECTION DRAINS) - (STONE BY SWN)	LF	4,135
WELL PAD CONTAINMENT BERM	LF	1,525
SEEDING & MULCHING (INCLUDES FERTILIZER)	AC	14.50
1.5" CRUSHER RUN LIMESTONE FOR WELL PAD (4") - (PLACEMENT ONLY, STONE IS PURCHASED BY SWN)	TN	4,425
AASHTO NO. 1 STONE FOR WELL PAD - (PLACEMENT ONLY, STONE IS PURCHASED BY SWN)	TN	6,045
8% CEMENT STABILIZATION FOR WELL PAD (12")	SY	20,950
1.5" CRUSHER RUN LIMESTONE FOR AUXILIARY PAD (4") - (PLACEMENT ONLY, STONE IS PURCHASED BY SWN)	TN	1,005
8% CEMENT STABILIZATION FOR AUXILIARY PAD (12")	SY	4,750
2" OF 12.5 MM WEARING COURSE ASPHALT	TN	920
3" OF 25 MM BASE COURSE ASPHALT	TN	1,380
8% CEMENT STABILIZATION FOR ACCESS ROAD (12")	SY	7,880
STABILIZED CONSTRUCTION ENTRANCE - (STONE BY SWN)	EA	1
GUARDRAIL - INCLUDES (4) TERMINAL ENDS	LF	3,110
ROCK LINED DITCH - PLACEMENT ONLY - (STONE BY SWN)	LF	3,890
ROCK CHECK DAMS - PLACEMENT ONLY - (STONE BY SWN)	EA	18
GRASS LINED DITCH WITH EROSION CONTROL BLANKET	LF	530
8" COMPOST FILTER SOCK	LF	840
18" COMPOST FILTER SOCK	LF	3,475
SUPER SILT FENCE	LF	745
15" HDPE CULVERT	LF	150
24" HDPE CULVERT	LF	430
36" HDPE CULVERT	LF	120
STORM DROP INLET MODIFIED TYPE 'B'	EA	4
DEWATERING SUMP - COMPLETE (INCLUDES SLOPE PIPE, PIPE LEVEL SPREADERS, BOLLARDS, ETC. PER DETAIL SHEET 42) - (STONE BY SWN)	EA	6
12" THICK RIP-RAP SUMP @ STA 119+30 - (STONE BY SWN)	SF	400
OUTLET PROTECTION - PLACEMENT ONLY - (STONE BY SWN)	EA	5



LOCAL EMERGENCY SERVICES	
NAME:	NUMBER:
AMBULANCE	911
HOSPITAL EMERGENCY ROOM	(304) 243 - 3000
FIRE DEPARTMENT	911
POLICE DEPARTMENT	911
POISON CONTROL CENTER	(800) 222 - 1222

LOCATION COORDINATES		
<b>ACCESS ROAD ENTRANCE:</b>		
LATITUDE: 40.151269 N	LONGITUDE: 80.679720 W	(DECIMAL DEGREES)
LATITUDE: 40°09'4.57" N	LONGITUDE: 80°40'46.99" W	(DEGREES*MINUTES* SECONDS")
NORTHING: 603623.0001	EASTING: 1638731.6812	(WV SP-83, FEET)
NORTHING: 4444596.01	EASTING: 527278.58	(UTM ZONE 17, METERS)
<b>WELL PAD CENTER:</b>		
LATITUDE: 40.151112° N	LONGITUDE: 80.686833° W	(DECIMAL DEGREES)
LATITUDE: 40°09'04.00" N	LONGITUDE: 80°41'12.60" W	(DEGREES*MINUTES* SECONDS")
NORTHING: 603598.6478	EASTING: 1636759.0887	(WV SP-83, FEET)
NORTHING: 4444578.53	EASTING: 526677.77	(UTM ZONE 17, METERS)

LIMITS OF DISTURBANCE BY PROPERTY:		
PROPERTY#	PROPERTY OWNER	ACRES DISTURBED
35-04-00R7-0024-0000	ROTH FARM, LLC	34.81 AC

**TOTAL DISTURBED AREA: 34.81 ACRES**  
 ROAD DISTURBED AREA: 24.35 ACRES  
 PAD DISTURBED AREA: 10.46 ACRES

EARTH WORK SUMMARY	
TOTAL CUT:	116,500 CY
TOTAL FILL:	93,700 CY
TOPSOIL: ASSUMED 10" (AVG. DEPTH)	22,800 CY

DRIVING DIRECTIONS	
1) HEAD NORTH ON FORT PIERPONT DR, 0.3 MILES	
2) TURN RIGHT ONTO N PIERPONT RD, 482 FEET	
3) TURN RIGHT ONTO CHEAT RD, 0.8 MILES	
4) TURN LEFT TO MERGE ONTO I-68 W TOWARD I-79, 0.5 MILES	
5) MERGE ONTO I-68 W, 6.1 MILES	
6) TAKE THE EXIT ONTO I-79 N TOWARD WASHINGTON, 45.3 MILES	
7) TAKE THE EXIT ONTO I-70 W/I-79 N TOWARD WASHINGTON, 24.7 MILES	
8) TAKE EXIT 11 COUNTY HIGHWAY 41/DALLAS PIKE, 0.2 MILES	
9) CONTINUE ON DALLAS PIKE, 1.8 MILES	
10) TURN RIGHT ONTO US 40 EAST, 0.9 MILES	
11) TURN LEFT ONTO DIXONS RUN ROAD, 2.8 MILES	
12) TURN LEFT ONTO COUNTY HIGHWAY 33/ DEMENT CEMETARY, 1.2 MILES	
13) TURN RIGHT ONTO WV 88 NORTH, 0.8 MILES	
14) TURN LEFT ONTO GREGGSVILLE, CLINTON, AND POTOMAC ROAD, 1.8 MILES	
15) TURN RIGHT ONTO TABLE ROCK LANE, 1.5 MILES	
16) TURN LEFT ONTO CHERRY HILL ROAD/GLENS RUN ROAD, 0.5 MILES	
17) TURN RIGHT ONTO HIGHLAND ROAD, 0.8 MILES	
18) TURN RIGHT ONTO CLEARVIEW AVE, 0.5 MILES	

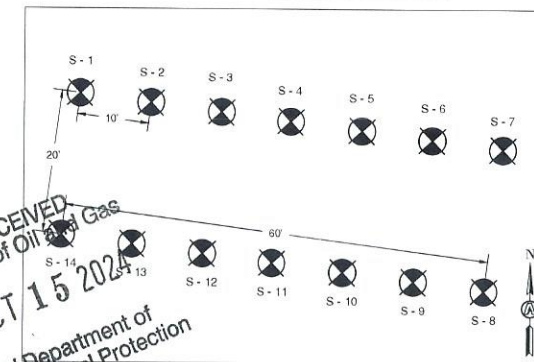
**PROJECT COORDINATOR:**  
 JOHN DUBOWSKI  
 CONSTRUCTION SUPERINTENDENT  
 SOUTHWESTERN PRODUCTION COMPANY, LLC  
 1300 FORT PIERPONT DRIVE, SUITE 201,  
 MORGANTOWN, WV 26508  
 PHONE: (304) 864 - 1671  
 EMAIL: JOHN.DUBOWSKI@SWN.COM

**ENGINEER:**  
 MICHAEL NESTOR, PE  
 ASCENT CONSULTING & ENGINEERING  
 2361 DAVISSON RUN ROAD  
 CLARKSBURG, WV 25301  
 PHONE: (304) 933 - 3463  
 EMAIL: MIKE@ASCENTCONSULTINGENGINEERS.COM

**PROJECT MANAGER:**  
 ERIC SHORT  
 ASCENT CONSULTING & ENGINEERING  
 2361 DAVISSON RUN ROAD  
 CLARKSBURG, WV 25301  
 PHONE: (304) 933 - 3463  
 EMAIL: ERIC@ASCENTCONSULTINGENGINEERS.COM

**ENVIRONMENTAL:**  
 WETLANDS OR SURFACE WATER INFORMATION  
 WAS DELINEATED BY  
 ENVIRONMENTAL SOLUTIONS & INNOVATIONS, INC  
 DATED OCTOBER 2021

**TOPOGRAPHIC INFORMATION:**  
 HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE  
 RADII WEST VIRGINIA STATE PLANES, NORTH  
 ZONE, IN U.S. SURVEY FEET.



WELL HEAD LAYOUT  
 NOT TO SCALE

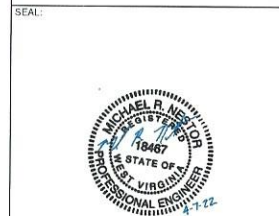
**WEST VIRGINIA 811**  
 CALL BEFORE YOU DIG!  
 IT'S THE LAW!

MISS UTILITY OF WEST VIRGINIA  
 1-800-245-4848  
 WEST VIRGINIA STATE LAW  
 (SECTION XIV CHAPTER 24-C)  
 REQUIRES THAT YOU CALL TWO  
 BUSINESS DAYS BEFORE YOU DIG IN  
 THE STATE OF WEST VIRGINIA.  
 IT'S THE LAW!!!



NO.	DATE	DESCRIPTION
6		
5		
4		
3		
2		
1		

PREPARED FOR:  
**SWN**  
 Southwestern Energy®



PREPARED BY:  
**ASCENT**  
 Consulting & Engineering

2361 DAVISSON RUN ROAD  
 CLARKSBURG, WV 25301  
 WWW.ASCENTCONSULTINGENGINEERS.COM  
 (304) 933 - 3463

PROJECT NUMBER:	DRAWN:
2598	KWA
DATE:	DESIGN:
4/7/2022	EMS
SCALE:	CHECKED:
AS SHOWN	MRN

CONSTRUCTION PLANS FOR SWN PRODUCTION COMPANY, LLC ROTH PAD OHIO COUNTY, WV	
TITLE:	COVER SHEET
PLAN STATUS:	APPROVED FOR PERMITS
SHEET No.	1