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west virginia department of environmental protection

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

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

Tuesday, June 28, 2022  
WELL WORK PERMIT  
Horizontal 6A / New Drill

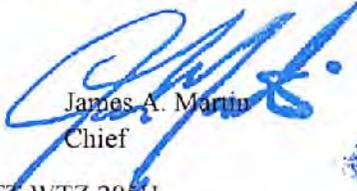
SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359  
SPRING, TX 773914954

Re: Permit approval for BLATT WTZ 205H  
47-103-03508-00-00

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: BLATT WTZ 205H  
Farm Name: ANTHONY BLATT, ET AL  
U.S. WELL NUMBER: 47-103-03508-00-00  
Horizontal 6A New Drill  
Date Issued: 6/28/2022

Promoting a healthy environment.

07/01/2022

# PERMIT CONDITIONS

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

## CONDITIONS

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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. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: \_\_\_\_\_

## PERMIT CONDITIONS

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

07/01/2022

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

1) Well Operator: SWN Production Co., LLC 494512924 103-Wetzel 7-Proctor 681-Wileyville  
Operator ID County District Quadrangle

2) Operator's Well Number: Blatt WTZ 205H ✓ Well Pad Name: Blatt WTZ

3) Farm Name/Surface Owner: Anthony Blatt, ET AL Public Road Access: St. Joesph Baker Hill Road

4) Elevation, current ground: 1280' Elevation, proposed post-construction: 1280'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 7020', Target Base TVD- 7069', Anticipated Thickness- 49', Associated Pressure- 4595

8) Proposed Total Vertical Depth: 7053' ✓

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 18191' ✓

11) Proposed Horizontal Leg Length: 8245.56'

12) Approximate Fresh Water Strata Depths: 261' ✓

13) Method to Determine Fresh Water Depths: Nearby Well Records (reference API 4710303143)

14) Approximate Saltwater Depths: 1880' and 2156' based on nearby well records

15) Approximate Coal Seam Depths: 1112', 1406' 1450' 1509, 1550'

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

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

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

WW-6B  
(04/15)

4710303508  
API NO. 47-103 -  
OPERATOR WELL NO. Blatt WTZ 205H  
Well Pad Name: Blatt WTZ

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#	100'	100' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	360'	360' ✓	400 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	0'	2600' ✓	942 sx/CTS
Intermediate	9 5/8"	New	J-55	40#	2600'	2810' ✓	
Production	5 1/2"	New	P-110 HP	20#	18191'	18191' ✓	Best 25/25 sx/100 199/25x/100 In:400
Liners							

*Kenneth L. Skypelats 5-16-22*

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"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				MAY 20 2022
Depths Set:				WV Department of Environmental Protection

WW-6B  
(10/14)

API NO. 47- 103 -  
OPERATOR WELL NO. Blatt WTZ 205H  
Well Pad Name: Blatt WTZ

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): 12.87

22) Area to be disturbed for well pad only, less access road (acres): 6.38

23) Describe centralizer placement for each casing string:

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

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

See Attachment \*\*\*

25) Proposed borehole conditioning procedures:

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

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\*Note: Attach additional sheets as needed.



**Southwestern Energy Company**

**Proposed Drilling Program**

Well: BLATT WTZ 205  
 Field: VICTORY FIELD WET  
 County: WETZEL  
 SHL: 39.7160 Latitude -80.6882 Longitude  
 BHL: 39.7405 Latitude -80.7095 Longitude  
 KB Elev: 1,306 ft MSL

Re-entry Rig: TBD  
 Prospect: Marcellus Shale  
 State: WV  
 KB: 26 ft AGL  
 GL Elev: 1,280 ft MSL



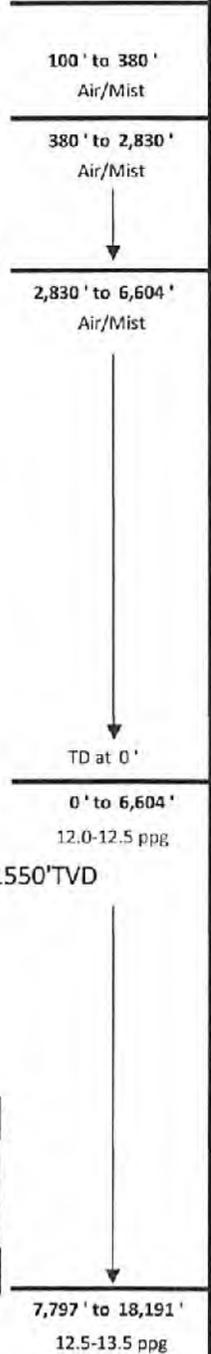
NO COAL VOID EXPECTED  
 Gas Storage Interval: 2105'-2521' (Maxton, Base of Big Injun)  
 PROD TOC Lead @ 2,800' MD  
 PROD TOC Tail @ 7,697' MD

**TUBULAR DETAIL**

Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	100'
Surface/Coal	13.375	54.4 #	J-55	0'	360'
Intermediate	9.625	36.0 #	J-55	0'	2,600'
Intermediate	9.625	40.0 #	J-55	2,600'	2,810'
Production	5.5	20.0 #	P-110 HP	0'	18,191'

**CEMENT DETAIL**

	Sacks	Class	Density
Conductor	127	A	19.3
Surface	400	A	15.6
Intermediate	942	A	15.6-16.0
Production	3505	A	14.5-15.0



KOP at 6,604' MD

Freshwater Depth - 261' TVD

Coal Depth - 1112', 1406', 1450', 1509', 1550' TVD

Saltwater Depth - 1880', 2156' TVD

TVD - 7,053'

TMD - 18,191'

7,053' Target Center

TD at 18,191' MD  
6,874' TVD

EOB at 7,797' MD

SHL Onondaga 7,069' TVD

Onondaga 6,890' TVD

7,797' to 18,191'  
12.5-13.5 ppg



4710303508

WW-9  
(4/16)

API Number 47 - 103 -  
Operator's Well No. Blatt Wtz 205H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Blake Fork of Lynn Camp Run of Fish Creek Quadrangle Wileyville

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air drill to KOP, fluid drill with 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 U6-08438, BROOKE CO SWF-1013,  
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 Senior Regulatory Analyst

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Department of  
Environmental Protection

Subscribed and sworn before me this 3<sup>rd</sup> day of May, 2022

Carl Craft

Notary Public

My commission expires 8/21/2024



07/01/2022

## Attachment 3A

**CLOSED LOOP SYSTEM**

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

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

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

**AIR DRILLING INTERVALS**

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

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

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

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**Attachment 3B**  
**Drilling Mediums**

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

Air

Freshwater (if needed based on conditions)

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

Air

**Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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**SWN Production Co., LLC**

Proposed Revegetation Treatment: Acres Disturbed 12.87 Prevegetation pH \_\_\_\_\_

Lime as determined by pH test min.2 Tons/acre or to correct to pH 6.38

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
<b>Attachment 3C</b>			

**Attach:**

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Thomas L. Reynolds*

Comments: *REGRASS, RESEED + MULCH GOOD*

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Environmental Protection

Title: Oil & Gas Inspector

Date: 5-16-22

Field Reviewed? ( ) Yes (  ) No

4710808508

Attachment 3C



**WVD Seeding Specification**

*R<sup>+</sup>*  
*A* → *V<sup>+</sup>*

To Order Seed contact Lyndsi Eddy Filippo office 570-596-4271 cell 501-269-5451 lyndsi\_eddy@swn.com (please allow 7 to 10 days for delivery)

NON-ORGANIC PROPERTIES	
Seed Mixture: ROW Mix	SWN Supplied
Orchardgrass	40%
Timothy	15%
Annual Ryegrass	15%
Brown Top Millet	5%
Red Top	5%
Medium Red Clover	5%
White Clover	5%
Birdsfoot Trefoil	5%
Rough Bluegrass	5%
All legumes are inoculated at 5x normal rate	
Apply @ 100lbs per acre April 16th- Oct. 14th	
Apply @ 200lbs per acre Oct. 15th- April 15th PLUS 50lbs per acre of Winter Wheat	

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

**Seeding Calculation Information:**

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

**Synopsis:**

Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).

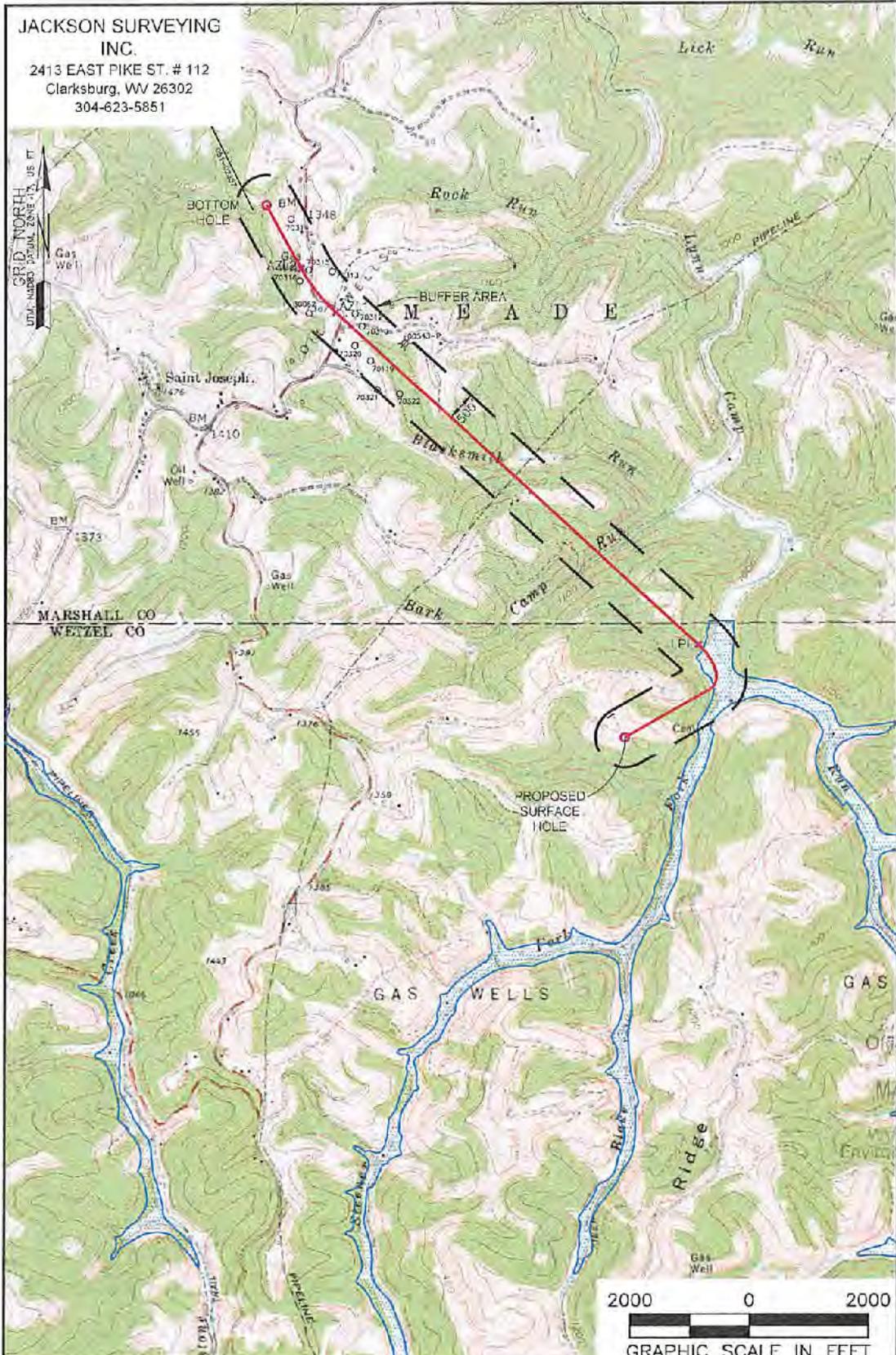
**Special Considerations:**

Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with SWN supervision at the beginning of the project to allow time for special seed delivery.

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

WETLANDS (delineated as jurisdictional wetlands)	
Seed Mixture: Wetland Mix	SWN Supplied
VA Wild Ryegrass	20%
Annual Ryegrass	20%
Fowl Bluegrass	20%
Cosmos 'Sensation'	10%
Redtop	5%
Golden Tickseed	5%
Maryland Senna	5%
Showy Tickseed	5%
Fox Sedge	2.5%
Soft Rush	2.5%
Woolgrass	2.5%
Swamp Verbena	2.5%
Apply @ 25lbs per acre April 16th- Oct. 14th	
Apply @ 50lbs per acre Oct. 15th- April 15th	
NO FERTILIZER OR LIME INSIDE WETLAND LIMITS	

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

GRID NORTH  
 UTM - NAD83 ZONE 18N US FT

NOTES ON SURVEY

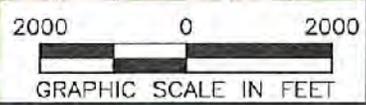
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DUBLICED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLSHEAD
- L.P.L. ✕ LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- - - PUBLIC ROAD
- - - ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: BLATT WTZ	WELL # 205H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE WETZEL - 103	DISTRICT; PROCTOR	
SURFACE OWNER: ANTHONY BLATT, ET AL	USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV		

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# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



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

**API NO. 47-XXX-XXXXX**  
**WELL NAME: Blatt WTZ 205H**  
**Wileyville QUAD**  
**Proctor DISTRICT**  
**WETZEL COUNTY, WEST VIRGINIA**

Submitted by:

Name: Brittany Woody

Date: 5/2/2022

*Brittany Woody*

Title: Senior Regulatory Analyst

SWN Production Co., LLC

Approved by:

Name: *James L. Reynolds*

Date: 5-16-22

Title: *OLEFOS INSPECTOR*

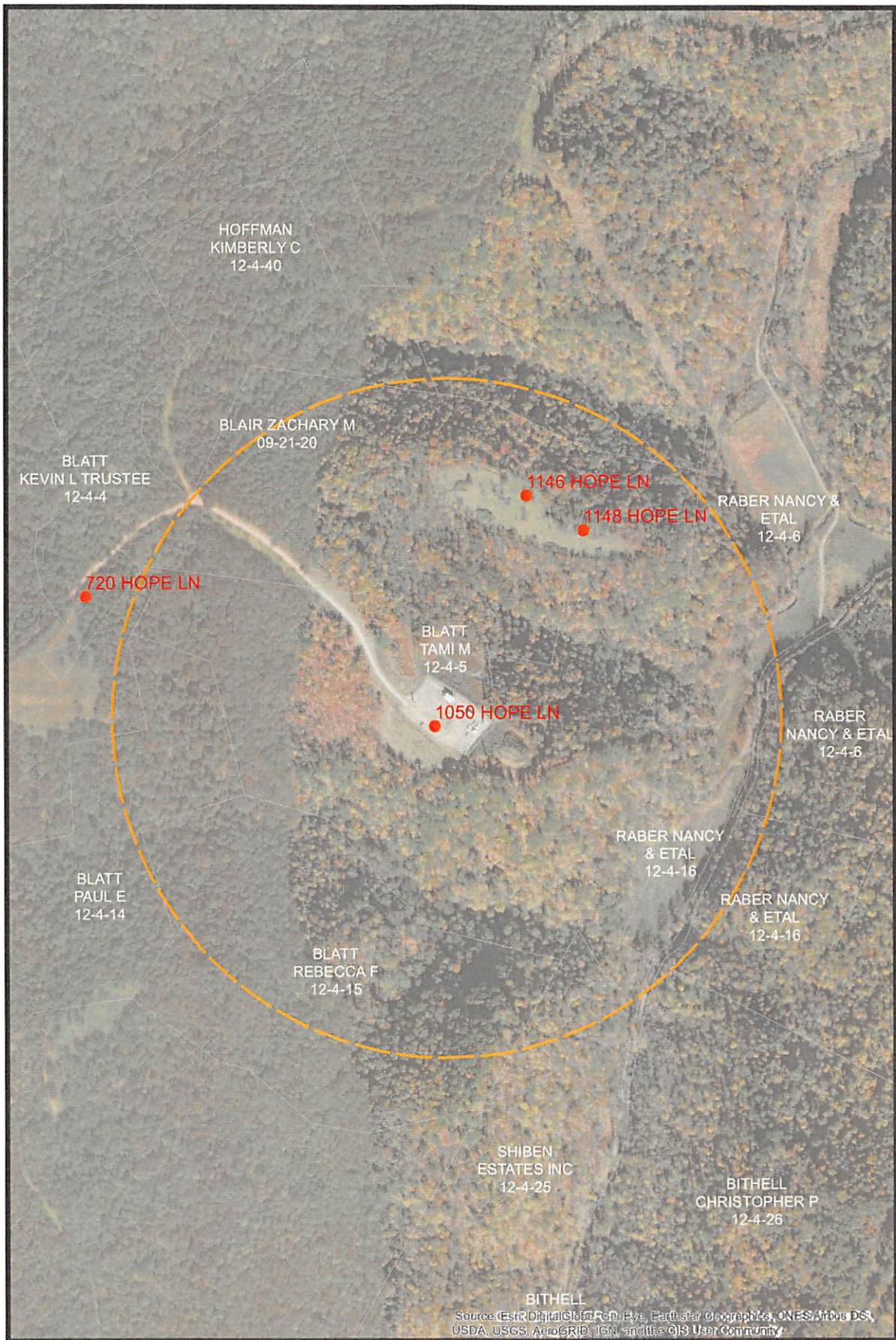
Approved by:

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

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

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

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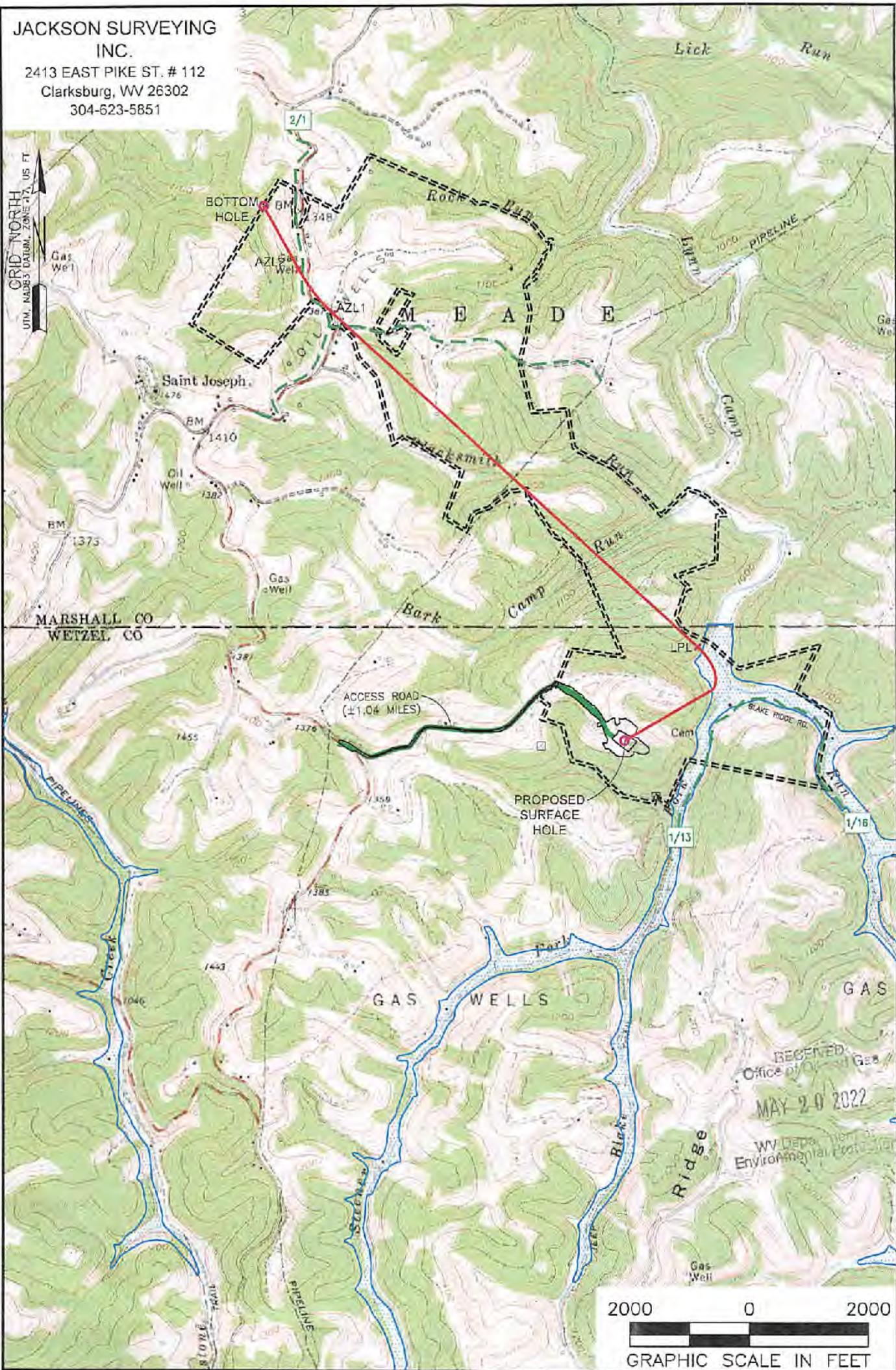
The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.

		Well Pad: Blatt	County: Wetzel
Radius - 1500 ft	Map by: youngst Date: 5/18/2022 Nad 83 UTM Z one 17 	Water Sources Spring Water Well Pond	1 inch = 490 feet   07/01/2022

**JACKSON SURVEYING  
INC.**

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

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



**NOTES ON SURVEY**

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

**LEGEND:**

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

07/01/2022

**WELL OPERATOR:**  
SWN PRODUCTION COMPANY, LLC  
**ADDRESS:**  
1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508  
**SURFACE OWNER:**  
ANTHONY BLATT, ET AL

<b>WELL (FARM) NAME:</b> BLATT WTZ	<b>WELL #</b> 205H	<b>SERIAL #</b>
<b>COUNTY - CODE</b> WETZEL - 103	<b>DISTRICT;</b> PROCTOR	
<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> WILEYVILLE, WV		

Latitude: 39°45'00" SURFACE HOLE 6,047'

BOTTOM HOLE 12,046'

Latitude: 39°45'00"

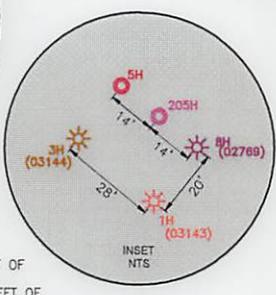
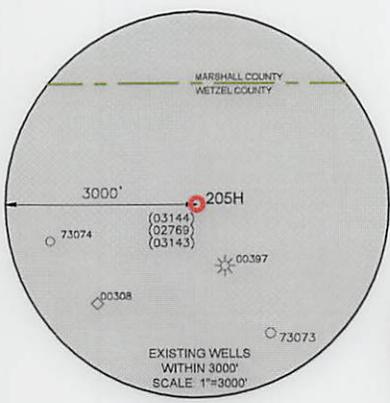
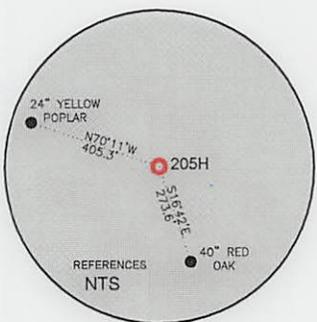
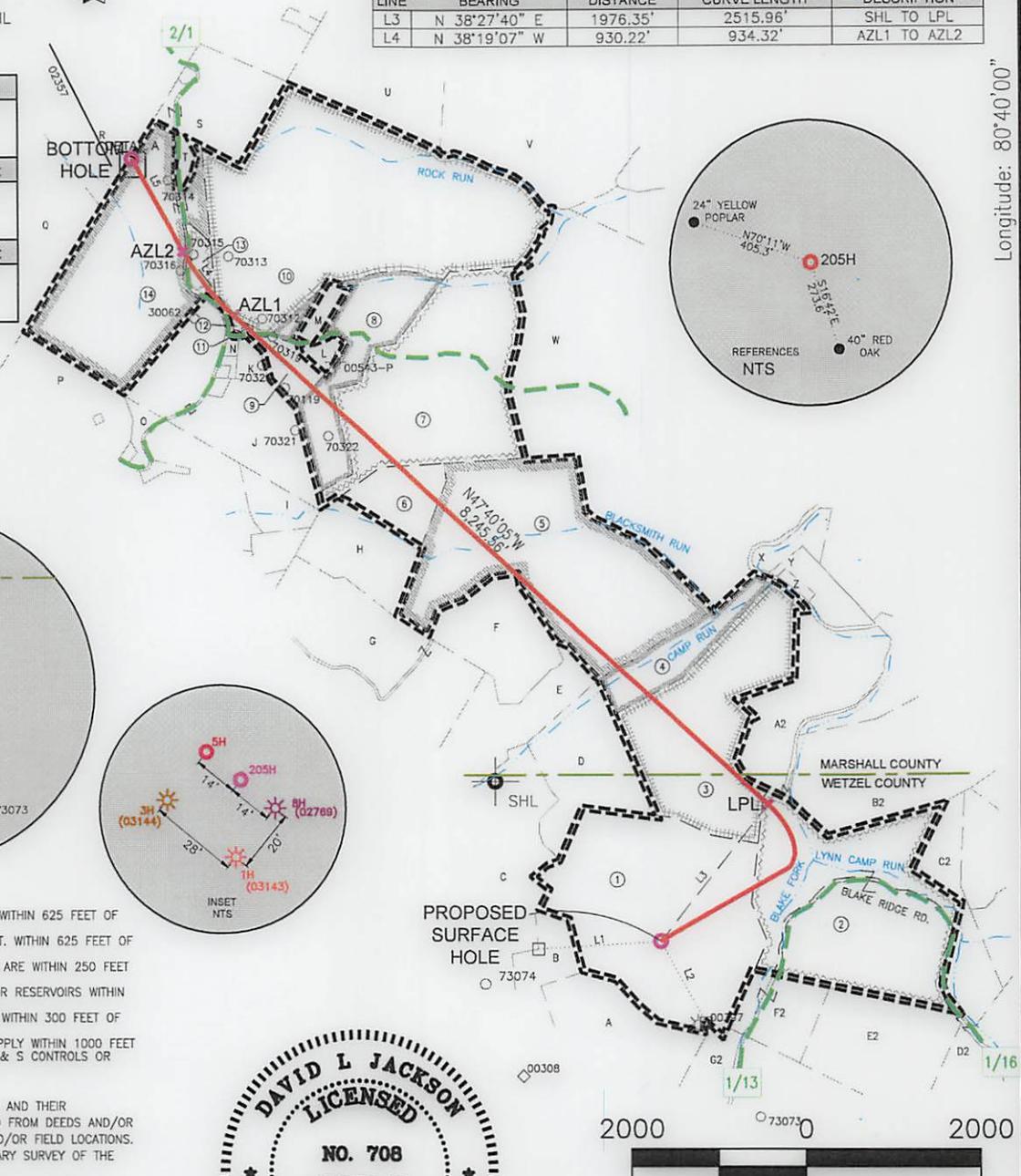
JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,996.780 EASTING: 524,890.083

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,287.932 EASTING: 526,727.525

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains data for lines L1 through L4.

LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,759.623 EASTING: 527,102.204. AZIMUTH POINT LOCATION-1 (AZL1): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,452.111 EASTING: 525,244.270. AZIMUTH POINT LOCATION-2 (AZL2): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,674.563 EASTING: 525,068.470



WELL RESTRICTIONS

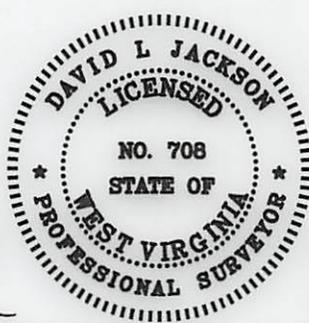
- 1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE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

NOTES ON SURVEY

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

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

P.S. 708 David L Jackson



COMPANY: SWN Production Company, LLC SWN Production Company™

Form fields: (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, WVDEP OFFICE OF OIL & GAS, CHARLESTON, WV 25034. MINIMUM DEGREE OF ACCURACY: 1/200. PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT). OPERATOR'S WELL #: 205H. API WELL #: 47 STATE, 103 COUNTY, 03508 PERMIT.

Form fields: WELL TYPE: OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW. WATERSHED: BLAKE FORK OF LYNN CAMP RUN OF FISH CREEK (HUC-10). DISTRICT: PROCTOR COUNTY: WETZEL. SURFACE OWNER: ANTHONY BLATT, ET AL. OIL & GAS ROYALTY OWNER: ANTHONY BLATT, ET AL. DRILL, DRILL DEEPER, REDRILL, FRACTURE OR STIMULATE, PLUG OFF OLD FORMATION, PERFORATE NEW FORMATION. CONVERT, PLUG & ABANDON, CLEAN OUT & REPLUG, OTHER CHANGE. TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,053 TVD 18,191 TMD

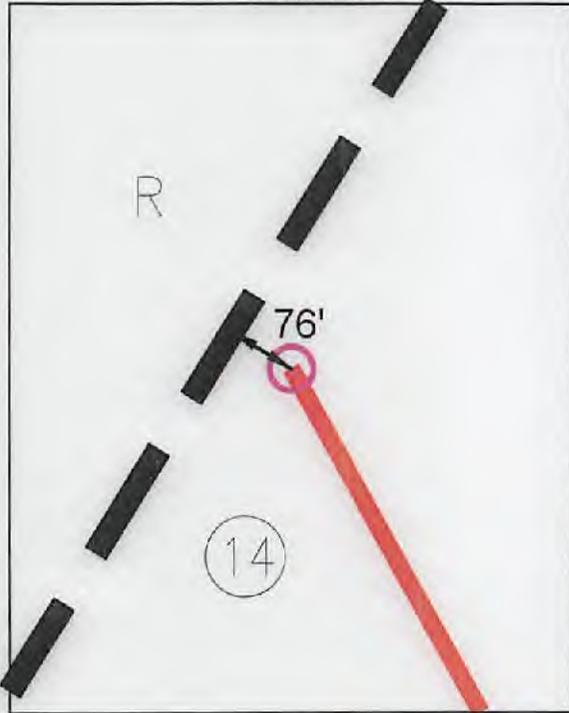
Form fields: WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508. DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL: LANDING POINT LOCATION, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, PROPOSED PATH. REVISIONS: DATE: 05-02-2022. DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT

**JACKSON SURVEYING  
INC.**

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

**Detail A**



WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BLATT ANTHONY ET AL (S/R)	12-4-5
2	RABER NANCY ETAL (S)	12-4-6
3	BLAIR ZACHARY M (S)	9-21-19
4	BLAIR ZACHARY M (S)	9-21-18
5	VILLERS ROBERT F (S)	9-21-1
6	WEIGAND DAVID PAUL (S)	9-20-15
7	NICE MARY JOSEPHINE (S)	9-20-13
8	WEIGAND DAVID PAUL (S)	9-20-12.1
9	MILLER JAMES B & HELEN M (S)	9-20-8
10	FROHNAPFEL PATRICK A ET UX (S)	9-20-11
11	MILLER ELEANOR T & JAMES B (S)	9-20-9.2
12	MILLER ELEANOR T & JAMES B (S)	9-20-9.1
13	FROHNAPFEL DAVID PAUL (S)	9-20-7.1
14	TAGG SONNY M & LINDA L (S)	9-20-7

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BLATT ANTHONY	12-4-15
B	BLATT ANTHONY C	12-4-14
C	BLATT ANTHONY ET AL	12-4-4
D	HOFFMAN KIMBERLY C	12-4-40
E	FOX PAUL G	9-21-21
F	HOFFMAN KIMBERLY C	9-21-1.1
G	FOX THOMAS JOHN	9-22-10
H	MILLER JAMES B & HELEN M	9-20-16
I	WEIGAND JOHN G JR & MARILYN S	9-20-17.5
J	WEIGAND JOHN G JR & MARILYN S	9-20-9
K	MILLER JAMES ET UX	9-20-9.6
L	WEIGAND JOHN G JR ET UX	9-20-12.2
M	MILLER JAMES B & HELEN M	9-20-12
N	MILLER JAMES ET UX	9-20-9.5
O	STINE MARY MARGARET	9-20-21
P	KLUG JOAN L ET AL	9-20-22
Q	FROHNAPFEL GERALD A ET UX ESTS- TRUST	9-20-5
R	FERRELL KEITH & KRISTY REVOCABLE LIVING TRUST	9-20-6
S	FERRELL KEITH & KRISTY REVOCABLE LIVING TRUST	9-18-15
T	DULANEY MICKEY R JR	9-20-7.2
U	FROHNAPFEL CLEMENT E & BRENDA L	9-18-13
V	FROHNAPFEL CLEMENT E ET AL	9-18-14
W	ROSELAND PROPERTY LLC	9-21-2
X	BLAIR ZACHARY M	9-21-4
Y	BLAIR ZACHARY M	9-21-15
Z	BLAIR ZACHARY M	9-21-17
A2	BLAIR ZACHARY M	9-21-15
B2	MASON DIXON FARMS LLC	9-21-12
C2	RABER NANCY ETAL	12-4-7
D2	BITHELL CHRISTOPHER P	12-4-26
E2	BITHELL CHRISTOPHER P	12-4-17
F2	RABER NANCY ETAL	12-4-16
G2	SHIBEN ESTATES INC	12-4-25

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. 708

*David L Jackson*



07/01/2022

REVISIONS:	COMPANY:		
		OPERATOR'S	DATE: 05-02-2022
		WELL #:	DRAWN BY: N. MANO
		DISTRICT:	SCALE: N/A
		COUNTY:	DRAWING NO:
		PROCTOR	WELL LOCATION PLAT 3
		STATE:	
		WV	

**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
-------------------------	-----------------------	-----------------------	---------	-----------

\*Co-tenancy utilization - At least 7 mineral owners in tract and 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.

**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

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

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

Exhibit "A"

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
1	12-4-5	Edward V. Blatt and Christina C. Blatt, his wife; Cora A. Schibelhood, widow; Theresa Estep and Joseph Estep, her husband	The Manufacturers Light and Heat Company	12.50%	45A/310	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		663/592 157A/540	
2	12-4-6	F.B. Sivert and Regena Sivert, his wife	The Manufacturers Light and Heat Company	12.500%	45A/370	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		263/164	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		90A/242 157A/540	
		Pamela J. Roebuck, a/k/a Pamela Roebuck and Ernest G. Roebuck, her husband	Chesapeake Appalachia, L.L.C.	12.500%	109A/112	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Ronald A. Michaelis and Suzanne Michaelis, his wife	Chesapeake Appalachia, L.L.C.	12.500%	110A/467	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Gary R. Michaelis, a/k/a Gary Robert Michaelis and Karen A. Michaelis, his wife	Chesapeake Appalachia, L.L.C.	12.500%	114A/288	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Tara Pass, f/k/a Tara Roebuck and James H. Pass, her husband	Chesapeake Appalachia, L.L.C.	12.500%	107A/875	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		Ernest G. Roebuck, Jr., a single man	Chesapeake Appalachia, L.L.C.	12.500%	108A/583	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
Stephen Michaelis, a single man	Chesapeake Appalachia, L.L.C.	12.500%	119A/51			
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540			
Eric Michaelis, a single man	Chesapeake Appalachia, L.L.C.	12.500%	110A/388			
Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540			
3	9-21-19	Odie Neely, divorced	Manufacturers Light and Heat Company	12.500%	342/395	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		662/322 33/110	
4	9-21-18	Odie Neely, divorced	Manufacturers Light and Heat Company	12.500%	342/395	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		662/322 33/110	
5	9-21-1	Robert Francis Villers and April L. Villers, his wife	Chesapeake Appalachia, L.L.C.	15.000%	676/87	0.00%
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Hayhurst Company Chesapeake Appalachia, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	16.000%	674/121 33/110	
6	9-20-15	David P. Weigand, single	SWN Production Company, LLC	17.000%	1119/565	0.00%
7	9-20-13	Royalty Owner	n/a	n/a	n/a	1.041%
		Lynn E. Cook, a/k/a Lynn Ellen Cook	SWN Production Company, LLC	16.000%	915/404	
		Mary K. McKets, a/k/a Mary Katherine Schoene, a/k/a Mary K. McKets	SWN Production Company, LLC	16.000%	915/426	
		Frances J. Pucharich, a/k/a Frances Jo Pucharich	SWN Production Company, LLC	16.000%	915/414	
		Amy C. Murray, a/k/a Amy Christine Murray	SWN Production Company, LLC	16.000%	915/422	
		Suzanne Thompson	SWN Production Company, LLC	16.000%	915/418	
		Margaret J. Miller, a/k/a Margaret Julia Agnes Miller, a/k/a Meg J. Dolin, a single woman	SWN Production Company, LLC	17.000%	916/159	
		Mark H.J. Miller and Cheryl Miller, his wife	SWN Production Company, LLC	17.000%	916/155	
		Mary C. Wright, a single woman	SWN Production Company, LLC	17.000%	915/397	
		Constance S. Miller and Charles Allen Miller, Sr., her husband	SWN Production Company, LLC	18.000%	920/146	
		Teresa Church, married dealing with her sole and separate property	SWN Production Company, LLC	18.000%	926/303	
		Donna K. Yoho, widow	SWN Production Company, LLC	16.000%	956/238	
		Joseph E. Masters, a single man	SWN Production Company, LLC	16.000%	961/225	
Albert H. Hohman and Mary Louise Hohman, Trustees of the Hohman Revocable Trust dated 8/8/2014	SWN Production Company, LLC	18.750%	926/299			
Mary J. Nice and Jacob W. Nice, wife and husband	SWN Production Company, LLC	18.500%	1129/199			
Michael William Young, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.000%	1033/328			
Christine Rae Lowe, a widow	Chesapeake Appalachia, L.L.C.	12.500%	680/417			

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Exhibit "A"

		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Vivian Shutler, widow	American Petroleum Partners Operating LLC	18.000%	916/642	
		American Petroleum Partners Operating LLC	SWN Production Company, LLC		42/567	
		Matthew L. Miller and Monica A. Miller, husband and wife	TH Exploration, LLC	19.000%	960/429	
		TH Exploration, LLC	SWN Production Company, LLC		44/132	
		Christina M. Frohnapfel	Stone Energy Corporation	19.000%	851/456	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		David P. Frohnapfel and Lynn E. Frohnapfel, husband and wife	Stone Energy Corporation	19.000%	851/458	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		Patrick A. Frohnapfel and Lisa A. Frohnapfel, husband and wife	Stone Energy Corporation	19.000%	851/452	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		Barbara L. Pancake and William R. Pancake, husband and wife	Stone Energy Corporation	19.000%	851/460	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		Helen B. Shutler	Stone Energy Corporation	19.000%	851/462	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		Christina M. Frohnapfel	SWN Production Company, LLC	19.000%	1134/571	
		David P. Frohnapfel	SWN Production Company, LLC	19.000%	1134/595	
		Patrick A. Frohnapfel	SWN Production Company, LLC	19.000%	1134/587	
		Barbara Pancake	SWN Production Company, LLC	19.000%	1134/579	
		Lisa A. Frohnapfel	SWN Production Company, LLC	19.000%	1134/563	
		Lynn E. Frohnapfel	SWN Production Company, LLC	19.000%	1134/555	
B	9-20-12.1	Royalty Owner	n/a	n/a	n/a	1.041%
		Lynn E. Cook, a/k/a Lynn Ellen Cook	SWN Production Company, LLC	16.000%	915/404	
		Mary K. McKeets, a/k/a Mary Katherine Schoene, a/k/a Mary K. McKeets	SWN Production Company, LLC	16.000%	915/426	
		Frances J. Pucharich, a/k/a Frances Jo Pucharich	SWN Production Company, LLC	16.000%	915/414	
		Amy C. Murray, a/k/a Amy Christine Murray	SWN Production Company, LLC	16.000%	915/422	
		Suzanne Thompson	SWN Production Company, LLC	16.000%	915/418	
		Margaret J. Miller, a/k/a Margaret Julia Agnes Miller, a/k/a Meg J. Dolin, a single woman	SWN Production Company, LLC	17.000%	916/159	
		Mark H.J. Miller and Cheryl Miller, his wife	SWN Production Company, LLC	17.000%	916/155	
		Mary C. Wright, a single woman	SWN Production Company, LLC	17.000%	915/397	
		Constance S. Miller and Charles Allen Miller, Sr., her husband	SWN Production Company, LLC	18.000%	920/146	
		Teresa Church, married dealing with her sole and separate property	SWN Production Company, LLC	18.000%	926/303	
		Danna K. Yaho, widow	SWN Production Company, LLC	16.000%	956/238	
		Joseph E. Masters, a single man	SWN Production Company, LLC	16.000%	961/225	
		Albert H. Hohman and Mary Louise Hohman, Trustees of the Hohman Revocable Trust dated 8/8/2014	SWN Production Company, LLC	18.750%	926/299	
		Michael William Young, single	Chesapeake Appalachia, L.L.C.	12.500%	682/508	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Christine Rae Lowe, a widow	Chesapeake Appalachia, L.L.C.	12.500%	682/520	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		David Paul Weigand, single	Chesapeake Appalachia, L.L.C.	15.000%	685/247	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Mary Josephine Nice and Jacob Woodrow Nice, wife and husband	TH Exploration, LLC	18.000%	876/161	
		TH Exploration, LLC	SWN Production Company, LLC		44/132	
		Robert Francis Villers and April Lynn Villers, husband and wife	TH Exploration, LLC	18.000%	885/47	
		TH Exploration, LLC	SWN Production Company, LLC		41/299	
		Matthew L. Miller and Monica A. Miller, husband and wife	TH Exploration, LLC	19.000%	960/429	
		TH Exploration, LLC	SWN Production Company, LLC		41/299	
		Vivian Shutler, widow	American Petroleum Partners Operating LLC	18.000%	916/642	
		American Petroleum Partners Operating LLC	SWN Production Company, LLC		42/567	
		Christina M. Frohnapfel	Stone Energy Corporation	19.000%	851/456	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		David P. Frohnapfel and Lynn E. Frohnapfel, husband and wife	Stone Energy Corporation	19.000%	851/458	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	
		Patrick A. Frohnapfel and Lisa A. Frohnapfel, husband and wife	Stone Energy Corporation	19.000%	851/452	
		Stone Energy Corporation	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/444	

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Exhibit "A"

	Barbara L. Pancake and William R. Pancake, husband and wife	Stone Energy Corporation	19.000%	851/460	
	Stone Energy Corporation	EQT Production Company		38/75	
	EQT Production Company	SWN Production Company, LLC		42/444	
	Helen B. Shutler	Stone Energy Corporation	19.000%	851/462	
	Stone Energy Corporation	EQT Production Company		38/75	
	EQT Production Company	SWN Production Company, LLC		42/444	
	Christina M. Frohnapfel	SWN Production Company, LLC	19.000%	1134/571	
	David P. Frohnapfel	SWN Production Company, LLC	19.000%	1134/595	
	Patrick A. Frohnapfel	SWN Production Company, LLC	19.000%	1134/587	
	Barbara Pancake	SWN Production Company, LLC	19.000%	1134/579	
	Lisa A. Frohnapfel	SWN Production Company, LLC	19.000%	1134/563	
	Lynn E. Fronapfel	SWN Production Company, LLC	19.000%	1134/555	
9	9-20-8	Royalty Owner	n/a	n/a	5.59%
	Agnes Haskins, f/k/a Agnes Weigand, a married woman dealing in her sole and separate property	SWN Production Company, LLC	12.500%	885/152	
	Jeffrey W. Silchuk, a single man	SWN Production Company, LLC	17.000%	885/155	
	Abigail I. Burkey and Zachary Burkey, her husband	SWN Production Company, LLC	17.000%	885/137	
	Judy Weigand, a single woman	SWN Production Company, LLC	17.000%	885/143	
	Rosemary Lewis, a single woman	SWN Production Company, LLC	17.000%	885/140	
	Nancy Lipscomb, f/k/a Nancy Weigand and Randall Lipscomb, her husband	SWN Production Company, LLC	17.000%	885/146	
	Catherine Laier, f/k/a Catherine Weigand and Philip Laier, her husband	SWN Production Company, LLC	17.000%	885/149	
	Lynn E. Cook, a/k/a Lynn Ellen Cook	SWN Production Company, LLC	16.000%	915/404	
	Mary K. McKets, a/k/a Mary Katherine Schoene, a/k/a Mary K. McKets	SWN Production Company, LLC	16.000%	915/426	
	Frances J. Pucharich, a/k/a Frances Jo Pucharich	SWN Production Company, LLC	16.000%	915/414	
	Amy C. Murray, a/k/a Amy Christine Murray	SWN Production Company, LLC	16.000%	915/422	
	Suzanne Thompson	SWN Production Company, LLC	16.000%	915/418	
	Margaret J. Miller, a/k/a Margaret Julia Agnes Miller, a/k/a Meg J. Dolin, a single woman	SWN Production Company, LLC	17.000%	916/159	
	Mark H.J. Miller and Cheryl Miller, his wife	SWN Production Company, LLC	17.000%	916/155	
	Mary C. Wright, a single woman	SWN Production Company, LLC	17.000%	915/397	
	Constance S. Miller and Charles Allen Miller, Sr., her husband	SWN Production Company, LLC	18.000%	920/146	
	Teresa Church, married dealing with her sole and separate property	SWN Production Company, LLC	18.000%	926/303	
	Donna K. Yoho, widow	SWN Production Company, LLC	16.000%	956/238	
	Kevin Cecil, Sheriff of Marshall County, as Conservator of Brenda Garcia	SWN Production Company, LLC	16.000%	962/113	
	Joseph E. Masters, a single man	SWN Production Company, LLC	16.000%	961/225	
	Albert H. Hohman and Mary Louise Hohman, Trustees of the Hohman Revocable Trust dated 8/8/2014	SWN Production Company, LLC	18.750%	926/299	
	Mary Belot, widow	SWN Production Company, LLC	17.000%	1120/387	
	Joseph Blatt, a divorced man	SWN Production Company, LLC	17.000%	1066/68	
	Kevin L. Blatt, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.000%	1062/598	
	Lawrence E. Blatt, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	17.000%	1062/586	
	Michael J. Blatt, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.000%	1066/62	
	Richard P. Blatt, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.000%	1062/574	
	Steven M. Blatt, a married man dealing in his sole and separate property	SWN Production Company, LLC	17.000%	1062/580	
	Thomas E. Blatt, a single man	SWN Production Company, LLC	17.000%	1062/568	
	William J. Blatt, Jr., a single man	SWN Production Company, LLC	17.000%	1066/56	
	Rita D. Border, married dealing in her sole and separate property	SWN Production Company, LLC	17.000%	1121/196	
	Beverly Milton, married dealing in her sole and separate property	SWN Production Company, LLC	17.000%	1120/382	
	Robert H. Hall and Jennifer D. Hall, husband and wife	SWN Production Company, LLC	16.000%	1011/5	
	Kevin J. Blatt, Trustee of the Blatt Family	SWN Production Company, LLC	17.000%	1062/592	
	Lisa M. Lantz and Christopher Lantz, wife and husband	SWN Production Company, LLC	17.000%	1066/50	
	Edna M. McCombs, a widow	SWN Production Company, LLC	17.000%	1066/74	
	Frieda Siebieda, widow	SWN Production Company, LLC	17.000%	1119/570	
	David L. Wilson, widower	SWN Production Company, LLC	17.000%	1066/80	
	Michael William Young, single	Chesapeake Appalachia, L.L.C.	12.500%	682/508	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	Christine Rae Lowe, a widow	Chesapeake Appalachia, L.L.C.	12.500%	682/520	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	James B. Miller and Helen M. Miller, his wife	Chesapeake Appalachia, L.L.C.	12.500%	686/336	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
	Eleanor T. Miller, a/k/a Eleanor Miller, single	Chesapeake Appalachia, L.L.C.	12.500%	686/340	
	Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	

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Exhibit "A"

David Paul Weigand, single	Chesapeake Appalachia, L.L.C.	15.000%	685/247
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Mary Ann Hedderly and Russell L. Hedderly, her husband	Chesapeake Appalachia, L.L.C.	12.500%	693/628
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Laura Marie Dolan and Stephen M. Dolan, her husband	Chesapeake Appalachia, L.L.C.	12.500%	710/102
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Michael P. Yeager and Nancy K. Yeager, his wife	Chesapeake Appalachia, L.L.C.	12.500%	701/26
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Robert F. Yeager and Rae E. Yeager, his wife	Chesapeake Appalachia, L.L.C.	12.500%	701/29
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Robert L. Wiegand and Ruth E. Wiegand, his wife	Chesapeake Appalachia, L.L.C.	18.750%	703/522
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Anthony G. Hall and Paula S. Hall, his wife	Chesapeake Appalachia, L.L.C.	18.750%	704/462
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
William A. Hall and Lori A. Hall, his wife	Chesapeake Appalachia, L.L.C.	18.750%	704/459
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Elby J. Lephew, a widower	Chesapeake Appalachia, L.L.C.	18.750%	707/137
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Charles A. Wiegand, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	18.750%	708/79
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Leonard L. Wiegand and Nancy E. Wiegand, his wife	Chesapeake Appalachia, L.L.C.	18.750%	712/223
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Kenneth A. Wiegand and Ardie M. Wiegand, his wife	Chesapeake Appalachia, L.L.C.	18.750%	712/220
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Claude R. Wiegand and Sylvia I. Wiegand, his wife	Chesapeake Appalachia, L.L.C.	18.750%	710/137
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Lori Ann Thompson, f/k/a Lori Ann Hall, a single woman	Chesapeake Appalachia, L.L.C.	17.000%	740/562
Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110
Mary Josephine Nice and Jacob Woodrow Nice, wife and husband	TH Exploration, LLC	18.000%	876/161
TH Exploration, LLC	SWN Production Company, LLC		44/132
Robert Francis Villers and April Lynn Villers, husband and wife	TH Exploration, LLC	18.000%	885/47
TH Exploration, LLC	SWN Production Company, LLC		41/299
Matthew L. Miller and Monica A. Miller, husband and wife	TH Exploration, LLC	19.000%	960/429
TH Exploration, LLC	SWN Production Company, LLC		41/299
Vivian Shutler, widow	American Petroleum Partners Operating LLC	18.000%	916/642
American Petroleum Partners Operating LLC	SWN Production Company, LLC		42/567
Christina M. Frohnapfel	SWN Production Company, LLC	19.000%	1134/571
David P. Frohnapfel	SWN Production Company, LLC	19.000%	1134/595
Patrick A. Frohnapfel	SWN Production Company, LLC	19.000%	1134/587
Barbara Pancake	SWN Production Company, LLC	19.000%	1134/579
Lisa A. Frohnapfel	SWN Production Company, LLC	19.000%	1134/563
Lynn E. Fronapfel	SWN Production Company, LLC	19.000%	1134/555
10 9-20-11 Maggie Breidling	L. L. Thomas	15.000%	63/329 0%
South Penn Oil Company	South Penn Natural Gas Company		209/552
South Penn Natural Gas Company	Dallis Snyder and Sam Beren, partners, trading and doing business as Snyder and Beren		239/81
Dallis Snyder and Sam Beren, partners, trading and doing business as Snyder and Beren	John H. Robinson and George F. Eagon		1/443
John H. Robinson and Blanche Eagon, as Executrix of the Estate of George F. Eagon, deceased, Blanche Eagon, in her own right, Mildred M. Lartigue and Carl L. Eagon, by Paul J. Shiben and Joseph V. DeMarco, Jr., their Attorneys In Fact, and Elva Robinson, Executrix of the Estate of the said John H. Robinson, now deceased, Elva Robinson and Mary Ellen Davis	Elva Robinson and Mary Ellen Davis		3/495
Elva Robinson and Mary Ellen Davis	Andrew L. Henry, Charles E. Reed and Harry R. Cronin, Jr.		4/35
Katherine A. Henry and Harry R. Cronin, Jr.	Charles E. Reed and Kathryn C. Reed, husband and wife		397/495
Kathryn C. Reed, a widow and unmarried	Carl Perkins		434/441
Carl Perkins and Dorothy Louise Perkins, husband and wife	Perkins Oil and Gas, Inc.		17/593
Perkins Oil and Gas, Inc.	Stone Energy Corporation		26/322
Stone Energy Corporation	EQT Production Company		38/75

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Exhibit "A"

		EQT Production Company John F. Fox and Lizzie Fox, husband and wife	SWN Production Company, LLC L. L. Thomas	15.000%	42/638 63/332	
		South Penn Oil Company South Penn Natural Gas Company	South Penn Natural Gas Company Dallis Snyder and Sam Beren, partners, trading and doing business as Snyder and Beren		209/552 239/81	
		Dallis Snyder and Sam Beren, partners, trading and doing business as Snyder and Beren	John H. Robinson and George F. Eagon		1/443	
		John H. Robinson and Blanche Eagon, as Executrix of the Estate of George F. Eagon, deceased, Blanche Eagon, in her own right, Mildred M. Lartigue and Carl L. Eagon, by Paul J. Shiben and Joseph V. DeMarco, Jr., their Attorneys In Fact, and Elva Robinson, Executrix of the Estate of the said John H. Robinson, now deceased, Elva Robinson and Mary Ellen Davis	Elva Robinson and Mary Ellen Davis		3/495	
		Elva Robinson and Mary Ellen Davis	Andrew L. Henry, Charles E. Reed and Harry R. Cronin, Jr.		4/35	
		Katherine A. Henry and Harry R. Cronin, Jr.	Charles E. Reed and Kathryn C. Reed, husband and wife		397/495	
		Kathryn C. Reed, a widow and unmarried Carl Perkins and Dorothy Louise Perkins, husband and wife	Carl Perkins		434/441	
		Perkins Oil and Gas, Inc.	Perkins Oil and Gas, Inc.		17/593	
		Stone Energy Corporation	Stone Energy Corporation		26/322	
		EQT Production Company	EQT Production Company		38/75	
		Barbara Wayman, Michael Wayman, Annie Wayman, Amella Basehart, John Basehart, Katie Herman and Wendall Herman	SWN Production Company, LLC	15.000%	42/638	
		South Penn Oil Company	South Penn Oil Company		74/492	
		South Penn Natural Gas Company	South Penn Natural Gas Company		209/552	
		South Penn Natural Gas Company	Dallis Snyder and Sam Beren, partners, trading and doing business as Snyder and Beren		239/81	
		Dallis Snyder and Sam Beren, partners, trading and doing business as Snyder and Beren	John H. Robinson and George F. Eagon		1/443	
		John H. Robinson and Blanche Eagon, as Executrix of the Estate of George F. Eagon, deceased, Blanche Eagon, in her own right, Mildred M. Lartigue and Carl L. Eagon, by Paul J. Shiben and Joseph V. DeMarco, Jr., their Attorneys In Fact, and Elva Robinson, Executrix of the Estate of the said John H. Robinson, now deceased, Elva Robinson and Mary Ellen Davis	Elva Robinson and Mary Ellen Davis		3/495	
		Elva Robinson and Mary Ellen Davis	Andrew L. Henry, Charles E. Reed and Harry R. Cronin, Jr.		4/35	
		Katherine A. Henry and Harry R. Cronin, Jr.	Charles E. Reed and Kathryn C. Reed, husband and wife		397/495	
		Kathryn C. Reed, a widow and unmarried Carl Perkins and Dorothy Louise Perkins, husband and wife	Carl Perkins		434/441	
		Perkins Oil and Gas, Inc.	Perkins Oil and Gas, Inc.		17/593	
		Stone Energy Corporation	Stone Energy Corporation		26/322	
		EQT Production Company	EQT Production Company		38/75	
		EQT Production Company	SWN Production Company, LLC		42/638	
11	9-20-9.2	James Miller and Helen Miller, husband and wife, as joint tenants with rights of survivorship	SWN Production Company, LLC	18.000%	1128/672	0%
12	9-20-9.1	James Miller and Helen Miller, husband and wife, as joint tenants with rights of survivorship	SWN Production Company, LLC	18.000%	1128/672	0%
13	9-20-7.1	David P. Frohnapfel and Lynn E. Frohnapfel, husband and wife	TH Exploration, LLC	19.000%	958/103	0%
		TH Exploration, LLC	SWN Production Company, LLC		1134/238	
14	9-20-7	Sonny Michael Tagg, a/k/a Sonny M. Tagg and Linda L. Tagg, husband and wife	TH Exploration, LLC	19.000%	936/521	0%
		TH Exploration, LLC	SWN Production Company, LLC		1134/238	

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SWN Production Company, LLC  
1300 Fort Pierpont Dr, Ste 201  
Morgantown, WV 26508  
Tel: 304 884 1810  
Fax: 304 471 2497  
www.swn.com

April 25, 2022

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: Blatt WTZ 205H in Wetzel County, West Virginia, Drilling under St. Joseph Baker Hill road and Villers Road.

Dear Mr. Brewer:

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

Thank you.

Sincerely,

Ian R. Nicas  
Staff Landman  
SWN Production Company, LLC

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

07/10/2022

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

Date of Notice Certification: 5/19

API No. 47- 103 - 03509  
Operator's Well No. Blatt WTZ 205H  
Well Pad Name: Blatt WTZ

**Notice has been given:**

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

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>526,727.525</u>
County: <u>103-Wetzel</u>		Northing: <u>4,396,287.932</u>
District: <u>Proctor</u>	Public Road Access: <u>St. Joseph Baker Hill Road</u>	
Quadrangle: <u>Wileyville</u>	Generally used farm name: <u>Blatt WTZ</u>	
Watershed: <u>Blake Fork of Lynn Camp Run of Fish Creek</u>		

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

<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 style="padding-left: 100px;"><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 align="center"><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:**

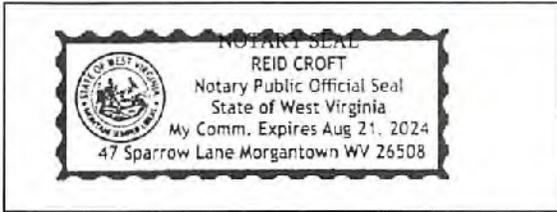
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication 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.

**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>Senior Regulatory Analyst</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 3<sup>rd</sup> day of May, 2022.

Reid Croft Notary Public

My Commission Expires 8/21/2024

**Oil and Gas Privacy Notice:**

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

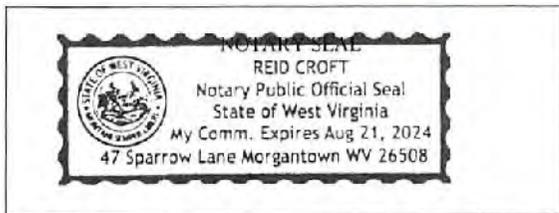
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**Certification of Notice is hereby given:**

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>Senior Regulatory Analyst</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 3<sup>rd</sup> day of May, 2022.  
Reid Croft Notary Public  
My Commission Expires 8/21/2024

**Oil and Gas Privacy Notice:**

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

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

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

Date of Notice: 5/19 Date Permit Application Filed: 5/19

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: Tami Blatt  
Address: 760 Northeast Ave  
Tallmadge, OH 44278  
Name: Patsy Dulany & Dennis Romanoski  
Address: 1303 2nd Street  
Moundsville, WV 26041

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

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

SURFACE OWNER(s) (Impoundments or Pits)

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

COAL OWNER OR LESSEE

Name: CNX %:Leatherwood Attn: Casey Saunders  
Address: 275 Technology Drive, Suite 101  
Canonsburg, PA 15317

COAL OPERATOR

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

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

Name: None  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

\*Please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
MAY 20 2022  
WV Department of  
Environmental Protection



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: 5/19 Date Permit Application Filed: 5/19

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: Lawrence & Irene Blatt  
Address: 760 Northeast Ave  
Tallmadge, OH 44278

Name: Michael & Janice Blatt  
Address: 820 South Munro Road  
Tallmadge, OH 44278

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

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

COAL OWNER OR LESSEE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

\*Please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
MAY 20 2022  
WV Department of Environmental Protection

**Notice is hereby given:**

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

**This Notice Shall Include:**

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

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

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

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

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

**Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice 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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Environmental Protection

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### Time Limits and Methods for Filing Comments.

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

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

### Comment Requirements

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

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

### Permit Denial or Condition

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

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

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

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

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MAY 20 2022  
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Environmental Protection

07/01/2022

WW-6A  
(8-13)

API NO. 47- 103 - 03508  
OPERATOR WELL NO. Blatt WTZ 205H  
Well Pad Name: Blatt WTZ

**Notice is hereby given by:**

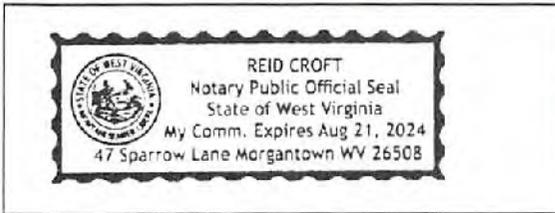
Well Operator: SWN Production Co., LLC  
Telephone: 304-884-1610  
Email: Brittany\_Woody@swn.com

*Brittany Woody*

Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Facsimile: 304-864-1690

**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).



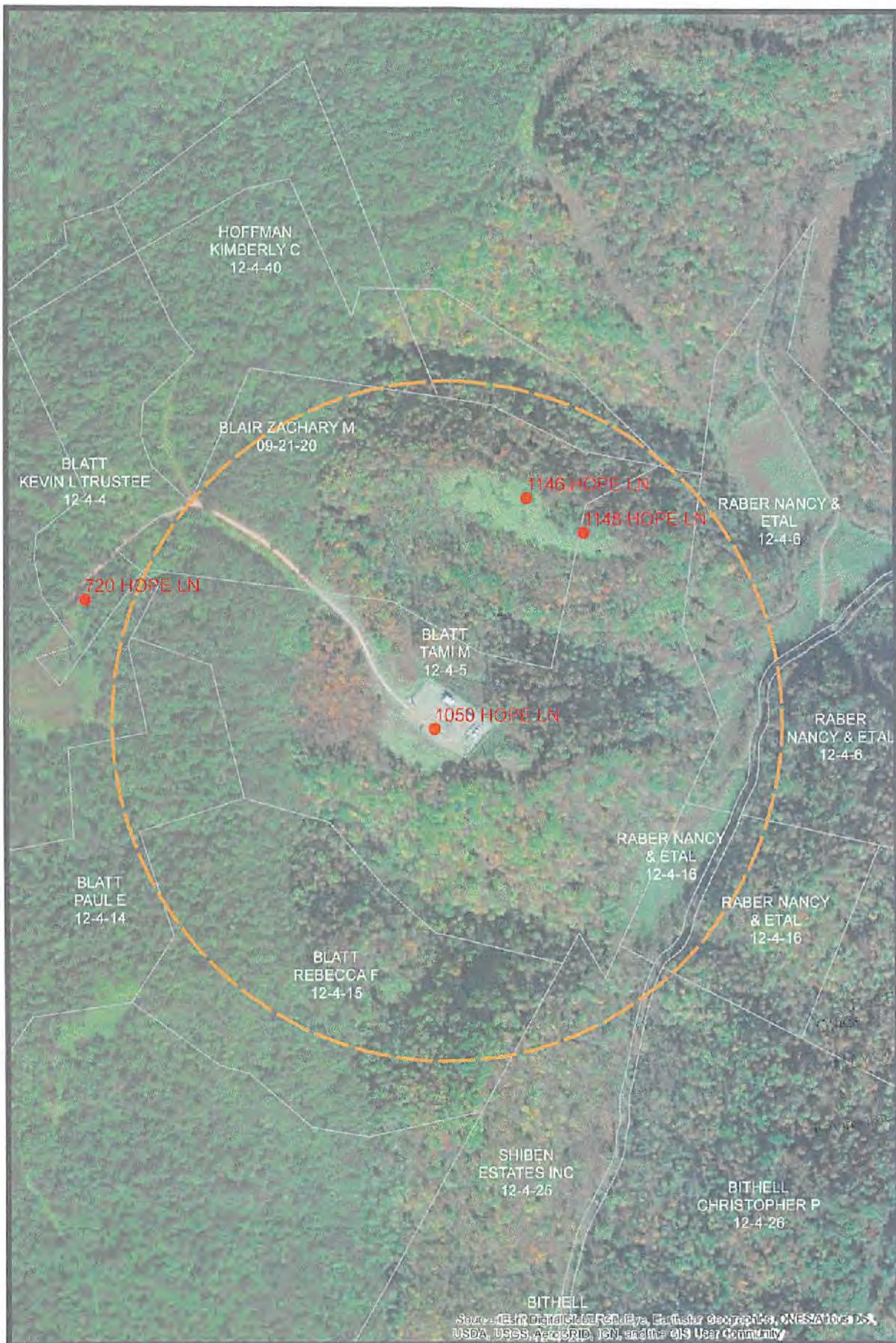
Subscribed and sworn before me this 3<sup>rd</sup> day of May, 2022.

Reid Croft Notary Public

My Commission Expires 8/21/2024

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MAY 20 2022  
WV Department of  
Environmental Protection

07/01/2022



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

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 Environmental Protection

<b>System Proximity Map</b>		Well Pad: Blatt	County: Wetzel
Radius - 1500 ft Map by: youngst Date: 5/18/2022 Nad 83 UTM 2 one 17 	Water Sources Spring Water Well Pond	1 inch = 490 feet 	

07/01/2022

**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:** 4/7/2022      **Date of Planned Entry:** 4/14/2022

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: Tami Blatt  
Address: 760 Northeast Ave  
Tallmadge, OH 44278

Name: Patsy Dulany & Dannie Romanski  
Address: 1303 2n Street  
Moundsville, WV 26041

Name: Lawrence & Irene Blatt  
Address: 760 Northeast Ave  
Tallmadge, OH 44278

COAL OWNER OR LESSEE

Name: CNX %Leatherwood  
Address: 1000 Consol Energy Drive  
Canonsburg, PA 15317

MINERAL OWNER(s)

Name: Tami Blatt  
Address: 760 Northeast Ave  
Tallmadge, OH 44278

\*please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
**MAY 20 2022**  
WV Dept. of Environmental Protection

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>39.716090, -80.705750</u>
County:	<u>Wetzel</u>	Public Road Access:	<u>St. Joseph Baker Hill Road</u>
District:	<u>Proctor</u>	Watershed:	<u>Blake Fork of Upper Ohio River</u>
Quadrangle:	<u>Wileyville</u>	Generally used farm name:	<u>Blatt</u>

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

**Notice is hereby given by:**

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

**Oil and Gas Privacy Notice:**

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).

**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:** 4/7/22      **Date of Planned Entry:** 4/14/22

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

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 REGISTERED MAIL     
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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Michael & Janice Blatt  
Address: 820 South Munroe Road  
Tallmadge, OH 44278

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

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

COAL OWNER OR LESSEE

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

MINERAL OWNER(s)

Name: Michael & Janice Blatt  
Address: 820 South Munroe Road  
Tallmadge, OH 44278  
\*please attach additional forms if necessary

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County: <u>Wetzel</u>	Public Road Access: <u>St. Joseph Baker Hill Road</u>
District: <u>Proctor</u>	Watershed: <u>Blake Fork of Upper Ohio Rtrvr</u>
Quadrangle: <u>Wileyville</u>	Generally used farm name: <u>Blatt</u>

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

Notice is hereby given by:

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

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

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WV Department of  
Environmental Protection

**Oil and Gas Privacy Notice:**

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



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

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

**Notice is hereby provided to:**

SURFACE OWNER(s)

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

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

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

COAL OWNER OR LESSEE

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

MINERAL OWNER(s)

Name: Kevin L. Blatt, Trustee of the Blatt Family Irrevocable Trust  
Address: 760 N. Court Ave  
Tallmadge, OH 44278

\*please attach additional forms if necessary

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>39.716090, -80.705750</u>
County:	<u>Wetzel</u>	Public Road Access:	<u>St. Joseph Baker Hill Road</u>
District:	<u>Proctor</u>	Watershed:	<u>Blake Fork of Upper Ohio River</u>
Quadrangle:	<u>Wileyville</u>	Generally used farm name:	<u>Blatt</u>

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

**Notice is hereby given by:**

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

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

RECEIVED  
Office of Oil and Gas

MAY 20 2022

WV Department of Environmental Protection

**Oil and Gas Privacy Notice:**

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

07/01/2022

**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 filling a permit application.

**Date of Notice:** 04/26/2022      **Date Permit Application Filed:** 5/19

**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:** Lawrence & Irene Blatt  
**Address:** 760 Northeast Ave.  
Tallmadge, OH 44278

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

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>526,727.525</u>
County:	<u>Wetzel</u>		Northing:	<u>4,396,287.932</u>
District:	<u>Proctor</u>	Public Road Access:	<u>Blake Ridge Road</u>	
Quadrangle:	<u>Wileyville, WV</u>	Generally used farm name:	<u>Blatt WTZ</u>	
Watershed:	<u>Blake Fork of Lynn Camp Run of Fish Creek (HUC-10)</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 Road, Suite 200  
Morgantown, WV 26508  
**Telephone:** 304-884-1675  
**Email:** justin\_booth@swn.com  
**Facsimile:** \_\_\_\_\_

**Authorized Representative:** Justin Booth  
**Address:** 1300 Fort Pierpont Road, Suite 200  
Morgantown, WV 26508  
**Telephone:** 304-884-1675  
**Email:** justin\_booth@swn.com  
**Facsimile:** \_\_\_\_\_

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Environmental Protection

**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:** 04/26/2022      **Date Permit Application Filed:** 5/19

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

HAND DELIVERY       CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

Name: Michael & Janice Blatt  
Address: 820 South Munro Road  
Tallmadge, OH 44278

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

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>526,727.525</u>
County:	<u>Wetzel</u>		Northing:	<u>4,396,287.932</u>
District:	<u>Proctor</u>	Public Road Access:	<u>Blake Ridge Road</u>	
Quadrangle:	<u>Wileyville, WV</u>	Generally used farm name:	<u>Blatt WTZ</u>	
Watershed:	<u>Blake Fork of Lynn Camp Run of Fish Creek (HUC-10)</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 Road, Suite 200  
Morgantown, WV 26508  
Telephone: 304-884-1675  
Email: justin\_booth@swn.com  
Facsimile: \_\_\_\_\_

Authorized Representative: Justin Booth  
Address: 1300 Fort Pierpont Road, Suite 200  
Morgantown, WV 26508  
Telephone: 304-884-1675  
Email: justin\_booth@swn.com  
Facsimile: \_\_\_\_\_

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

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WV Dept. of Environmental Protection 07/01/2022

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

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

**Date of Notice:** 04/26/2022      **Date Permit Application Filed:** 5/19

**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: Tami Blatt  
Address: 760 Northeast Ave.  
Tallmadge, OH 44278

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

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>526,727.525</u>
County:	<u>Wetzel</u>		Northing:	<u>4,396,287.932</u>
District:	<u>Proctor</u>	Public Road Access:	<u>Blake Ridge Road</u>	
Quadrangle:	<u>Wileyville, WV</u>	Generally used farm name:	<u>Blatt WTZ</u>	
Watershed:	<u>Blake Fork of Lynn Camp Run of Fish Creek (HUC-10)</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 Road, Suite 200  
Morgantown, WV 26508  
Telephone: 304-884-1675  
Email: justin\_booth@swn.com  
Facsimile: \_\_\_\_\_

Authorized Representative: Justin Booth  
Address: 1300 Fort Pierpont Road, Suite 200  
Morgantown, WV 26508  
Telephone: 304-884-1675  
Email: justin\_booth@swn.com  
Facsimile: \_\_\_\_\_

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Environmental Protection  
07/01/2022

**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:** 04/28/2022      **Date Permit Application Filed:** 5/11

**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:** Patsy Dulany & Dennis Romanoski  
**Address:** 1303 2nd Street  
Moundsville, WV 26041

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

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>526,727.525</u>
County:	<u>Wetzel</u>		Northing:	<u>4,396,287.932</u>
District:	<u>Proctor</u>	Public Road Access:	<u>Blake Ridge Road</u>	
Quadrangle:	<u>Wileyville, WV</u>	Generally used farm name:	<u>Blatt Wtz</u>	
Watershed:	<u>Blake Fork of Lynn Camp Run of Fish Creek (HUC-10)</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 Road, Suite 200  
Morgantown, WV 26508  
**Telephone:** 304-884-1675  
**Email:** justin\_booth@swn.com  
**Facsimile:** \_\_\_\_\_

**Authorized Representative:** Justin Booth  
**Address:** 1300 Fort Pierpont Road, Suite 200  
Morgantown, WV 26508  
**Telephone:** 304-884-1675  
**Email:** justin\_booth@swn.com  
**Facsimile:** \_\_\_\_\_

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**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:** 04/26/2022      **Date Permit Application Filed:** 5/19

**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: <u>Lawrence &amp; Irene Blatt</u>	Name: _____
Address: <u>760 Northeast Ave.</u>	Address: _____
<u>Tallmadge, OH 44278</u>	_____

**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: <u>West Virginia</u>	UTM NAD 83	Easting: <u>526,727.525</u>
County: <u>Wetzel</u>		Northing: <u>4,396,287.932</u>
District: <u>Proctor</u>	Public Road Access: <u>Blake Ridge Road</u>	
Quadrangle: <u>Wileyville, WV</u>	Generally used farm name: <u>Blatt WTZ</u>	
Watershed: <u>Blake Fork of Lynn Camp Run of Fish Creek (HUC-10)</u>		

**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: <u>SWN Production Company, LLC</u>	Address: <u>1300 Fort Pierpont Road, Suite 200</u>
Telephone: <u>304-884-1675</u>	<u>Morgantown, WV 26508</u>
Email: <u>justin_booth@swn.com</u>	Facsimile: _____

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Environmental Protection  
**07/07/2022**







**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
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**Notice Time Requirement:** notice shall be provided no later than the filing date of permit application.

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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: <u>Petsy Dulany &amp; Dennis Romanoski</u>	Name: _____
Address: <u>1303 2nd Street</u>	Address: _____
<u>Mountsville, WV 26041</u>	_____

**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: <u>West Virginia</u>	UTM NAD 83    Easting: <u>526,727.525</u>
County: <u>Wetzel</u>	Northing: <u>4,396,287.932</u>
District: <u>Proctor</u>	Public Road Access: <u>Blake Ridge Road</u>
Quadrangle: <u>Willeyville, WV</u>	Generally used farm name: <u>Blatt WTZ</u>
Watershed: <u>Blake Fork of Lynn Camp Run of Fish Creek (HUC-10)</u>	

**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: <u>SWN Production Company, LLC</u>	Address: <u>1300 Fort Pierpont Road, Suite 200</u>
Telephone: <u>304-884-1875</u>	<u>Morgantown, WV 26508</u>
Email: <u>justin_booth@swn.com</u>	Facsimile: _____

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Office of Oil and Gas

MAY 20 2022

WV Department of  
Environmental Protection

07/01/2022



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

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

D. Alan Reed, P.E.  
State Highway Engineer

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

April 26, 2022

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 Blatt Pad, Wetzel County  
Blatt WTZ 205H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2012-0264 which has been issued to Southwestern Energy for access to the State Road for a well site located off Wetzel County Route 4 SLS MP 3.73.

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

Very Truly Yours,

Gary K. Clayton, P.E.  
Regional Maintenance Engineer  
Central Office O&G Coordinator

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

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Environmental Protection

## Attachment VI Frac Additives

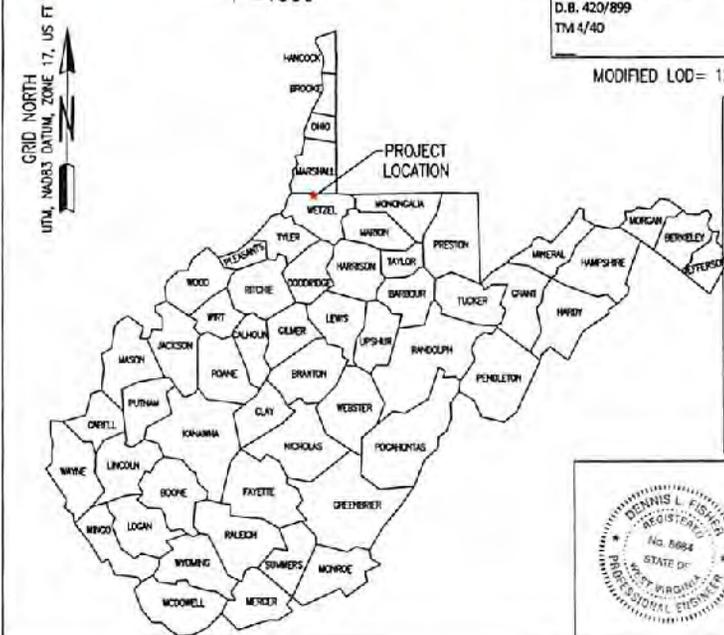
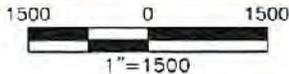
Product Name	Product Use	Chemical Name	CAS Number
AI-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-21-1
		Cinnamaldehyde	104-55-2
		Butyl cellosolve	111-76-2
		Formic acid	64-18-6
		Polyether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	68527-49-1
AP ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
Bactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
Bactron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
CarboNRT	Tracer	Ceramic Proppant	66402-68-4
EC6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
EC6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
Econo-CI200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
		Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldehyde	50-00-0
Ecopal-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
FDP-S1176-15 (Halliburton)	Friction Reducer	Polyanilate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
FLOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	54674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
FLOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
FR-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
GYPTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
HAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
HCL (SWN Well Services)	Hydrochloric Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
IP-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
Plexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated	68551-12-2
		Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
Plexslick 953	Friction Reducer	Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
Plexslick 957	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
Plexslick 996	no data available	Copolymer of 2-Propenamide	*****
		Distillates (petroleum), hydrotreated light	64742-47-8
		Alcohol Ethoxylate	*****
		Surfactant	*****
WFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
		Propenoic acid, polymer with propenamide	9003-06-9
Plexaid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
Plexslick 922	no data available	Copolymer of 2-propenamide	69418-26-4
		Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium chloride ((NH4)Cl)	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
Tolcide 4Frac	Mixture	Phosphonium, tetrakis (hydroxymethyl), Sulfate	55566-30-8
		Quaternary ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
Tolcide P550A	Biocidal product	Ethanol	64-17-5
		Tetrakis (hydroxymethyl) phosphonium sulphate	55566-30-8
		Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	397256-50-7
LD-2950	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Ethoxylated alcohol	Proprietary
Legend LD-7750W	Scale Control	Poly (oxy-1,2-ethanediyl) alpha -tridecyl-omega -hydroxy-, branched	69011-36-5
		Methanol	67-56-1
MC MX 8-4743	Specialty Product	Phosphonic Acid Salt	Proprietary
		Sodium Nitrate	7831-99-4

As of 4/1/2022

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07/01/2022

# BLATT WTZ PAD CONSTRUCTION AND RECLAMATION PLAN AS-BUILT PROCTOR DISTRICT, WETZEL COUNTY, WV NOVEMBER 2015



<b>BLATT WTZ PAD</b> (LIMITS OF DISTURBANCE)	
PATSY L. DULANEY	Road= 28,085 Sq. Ft.
D.B. 431/720	
TM4/12	
PAUL & CYNTHIA FOX	Road= 4,005 Sq. Ft.
D.B. 323/72	
TM4/2	
BLATT ET AL	Road=250,730 Sq. Ft.
D.B. 428/844	Pad= 277,800 Sq. Ft.
TM4/3, 4/13, 4/4, 4/5	
KIMBERLY C. HOFFMAN	Road=85 Sq. Ft.
D.B. 420/899	
TM 4/40	

MODIFIED LOD= 12.9 ACRES

**COORDINATES:**  
**SITE ENTRANCE**  
 (NAD83)  
 LAT: 39.715959  
 LONG: 80.705275

**AT BLATT PAD**  
 (NAD83)  
 LAT: 39.716219  
 LONG: 80.688930

**CENTER OF PAD**  
 (NAD83)  
 LAT: 39.716043  
 LONG: 80.688163

**GATHERING AREA**  
 (NAD83)  
 LAT: 39.715306  
 LONG: 80.703007

<b>EXISTING WELLS:</b>	
<b>BLATT WTZ 1H</b>	
API#47-103-03143H	(NAD83)
LAT: 39.715975	LONG: 80.688178
<b>BLATT WTZ 3H</b>	
API#47-103-03144H	(NAD83)
LAT: 39.716025	LONG: 80.688255
<b>BLATT WTZ 8H</b>	
API#47-103-02769H	(NAD83)
LAT: 39.716018	LONG: 80.688133
<b>PROPOSED WELLS:</b>	
<b>BLATT WTZ 2H</b>	
(NAD83)	
LAT: 39.716000	LONG: 80.688216
<b>BLATT WTZ 7H</b>	
(NAD83)	
LAT: 39.715951	LONG: 80.688140
<b>BLATT WTZ 10H</b>	
(NAD83)	
LAT: 39.715993	LONG: 80.688094
<b>BLATT WTZ 106H</b>	
(NAD83)	
LAT: 39.715926	LONG: 80.688101

ENGINEERING ESTIMATE OF QUANTITIES		
WELL SITE PAD DATA (DRILLING)		
CLEAN SUMP	1	EA
ACCESS ROAD DATA (DRILLING)		
REPAIR POTHoles & GRADE	1	EA
STONE FOR ROAD	120	TON
WELL SITE PAD DATA (RECLAMATION)		
REMOVE SLUMP	2	EA
BREACH BERM	2	EA
DISCHARGE CHANNEL(S)		
RIPRAP	90	TON
OR		
EROSION CONTROL FABRIC	120	SY
SPREAD TOPSOIL	860	CY
SEED & MULCH	1,350	SY
INSTALL RSF	485	FT

**SHEET INDEX**

- TS.1. TITLE SHEET
- EP2.1 EVACUATION ROUTE/ PREVAILING WIND
- EP2.2 EVACUATION ROUTE/ PREVAILING WIND
- AS3.1 ASBUILT OVERVIEW
- AS3.2 ASBUILT
- AS3.3 ASBUILT
- AS3.4 ASBUILT
- AS3.5 ASBUILT
- AS3.6 ASBUILT
- AS3.7 ASBUILT
- AS3.8 ASBUILT
- AS3.9 ASBUILT
- AS3.10 ASBUILT
- ASR4.1 CONSTRUCTION AND RECLAMATION ACCESS ROAD PROFILE
- MRD5.1 RECLAMATION PLAN OVERVIEW
- MRD5.2 RECLAMATION PLAN
- MRD5.3 RECLAMATION PLAN
- MRD5.4 RECLAMATION PLAN
- MRD5.5 RECLAMATION PLAN
- MRD5.6 RECLAMATION PLAN
- MRD5.7 RECLAMATION PLAN
- MRD5.8 RECLAMATION PLAN
- MRD5.9 RECLAMATION PLAN
- MRD5.10 RECLAMATION PLAN
- MRD6.3 RECLAMATION DETAILS
- MRD6.4 RECLAMATION DETAILS

REVISION	DATE
CHANGES ON SHEETS AS3.10 & MRD5.10 ALSO ADDED SHEET MRD6.4	11-24-2015
CHANGES ON SHEETS AS3.10 & MRD6.4 PER DEP	12-15-2015
UPDATED ASBUILT	05-08-2017
ADDED SH WELL	05-12-2017

**WEST VIRGINIA 811**

CALL BEFORE YOU DIG! Dial 811 or 800.245.4848  
www.WV811.com

**WVDEP OOG  
ACCEPTED AS-BUILT**  
*[Signature]* 6/22/2022

**SWN** *Re-V+*  
Production Company™



*Dennis L. Fisher*  
Dennis L. Fisher RPL 8884  
05-12-2017  
Date:



*Jackson Surveying Inc.*  
TITLE SHEET  
TS.1  
SOUTHWESTERN PRODUCTION COMPANY LLC.  
BLATT WTZ PAD  
PROCTOR DISTRICT, WETZEL COUNTY, WV  
NOVEMBER 20, 2015

677 W. Main St.  
Clarksburg, Wv 26301  
304-623-5851

