



west virginia department of environmental protection

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

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

Wednesday, May 15, 2024
WELL WORK PERMIT
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for State of WV DNR C BRK 806H
47-009-00344-00-00

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: State of WV DNR C BRK 806H
Farm Name: State of WV DNR, Public Land
U.S. WELL NUMBER: 47-009-00344-00-00
Horizontal 6A New Drill
Date Issued: 5/13/2024

PERMIT CONDITIONS

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

CONDITIONS

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

05/17/2024

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

1) Well Operator: SWN Production Co., LLC 494512924 009- Brooke 4-Cross 620-Steubenville
Operator ID County District Quadrangle

2) Operator's Well Number: State of WV DNR C BRK 806H Well Pad Name: State of WV DNR C BRK

3) Farm Name/Surface Owner: State of WV DNR Public Road Access: Putney Ridge Road

4) Elevation, current ground: 989' Elevation, proposed post-construction: 989'

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, Down-Dip well to the South, Target Top TVD- 5818', Target Base TVD- 5880', Anticipated Thickness- 62', Associated Pressure- 3882

8) Proposed Total Vertical Depth: 5621'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 27,686'

11) Proposed Horizontal Leg Length: 19,028.41

12) Approximate Fresh Water Strata Depths: 371'

13) Method to Determine Fresh Water Depths: Nearby Water Well

14) Approximate Saltwater Depths: 575' Salinity Profile Analysis

15) Approximate Coal Seam Depths: None, no coal reported on other wells on pad

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

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

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

Strader Gower
3/19/2024

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WV Department of
Environmental Protection

WW-6B
(04/15)

4700900344
 API NO. 47- 009 -
 OPERATOR WELL NO. State of WV DNR C BRK 806H
 Well Pad Name: State of WV DNR C BRK

18) **CASING AND TUBING PROGRAM**

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	J-55	94#	136'	136' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	425"	425' ✓	484 sx/CTS ✓
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1400"	1400' ✓	555 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	27,686'	27,686' ✓	Tail 5337sx/ 100' inside intermediate
Tubing							
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360 ✓	10500	Class A	1.19/10-15% Excess
Tubing							
Liners							

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PACKERS

Kind:				
Sizes:				
Depths Set:				

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3/19/2024

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

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

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

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

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 13.7

22) Area to be disturbed for well pad only, less access road (acres): 10

23) Describe centralizer placement for each casing string:

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

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

See Attachment ***

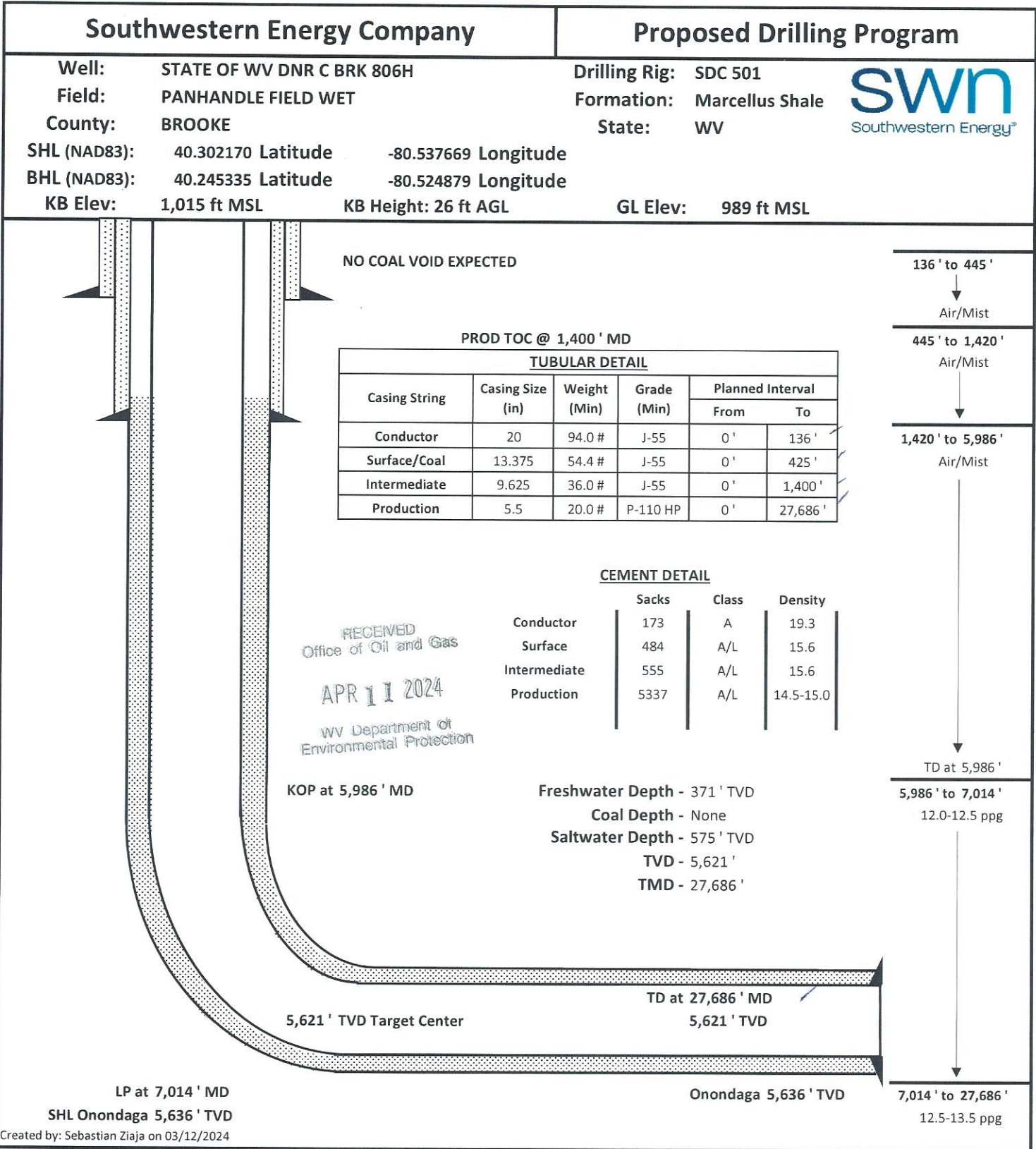
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25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

4700900344



Strader Gower

3/19/2024

05/17/2024

WW-9
(4/16)

4700900344

API Number 47 - 009 -
Operator's Well No. State of WV DNR C BRK 806H

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) North Fork Cross Creek- Cross Creek Quadrangle Steubenville East

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

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

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

Additives to be used in drilling medium? Attachment 3B

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

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

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021

Apex Sanitary Landfill 06-08438, Brooke Co SWF-1013, FMS 353100

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

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

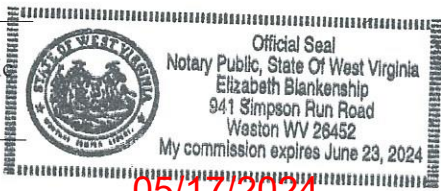
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is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

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

Subscribed and sworn before me this 4 day of March, 2024

Elizabeth Blankenship Notary Public

My commission expires 6/23/2024



05/17/2024

SWN Production Co., LLC

Proposed Revegetation Treatment: Acres Disturbed 13.7 Prevegetation pH _____

Lime as determined by pH test min.2 Tons/acre or to correct to pH 10

Fertilizer type 10-20-20

Fertilizer amount 600/500 lbs/acre

Mulch Hay/Straw Tons/acre

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Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Attachment 3C

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Shirley Gower

Comments: _____

Title: **Oil & Gas Inspector**

Date: 3/19/2024

Field Reviewed? () Yes () No

05/17/2024

**MARCELLUS WELL DRILLING PROCEDURES
AND
WELL SITE SAFETY PLAN**

4700900344



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

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**API NO. 47-XXX-XXXXX
WELL NAME: State of WV DNR C BRK 806H
Steubenville East QUAD
Cross Creek DISTRICT
BROOKE COUNTY, WEST VIRGINIA**

Submitted by:

Name: Brittany Woody

Date: 2/12/2024

Brittany Woody

Title: Staff Regulatory Specialist

SWN Production Co., LLC

Approved by:

Name: Strader Gower

Date: 3/19/2024

Title: Oil and Gas Inspector

Approved by:

Name: _____

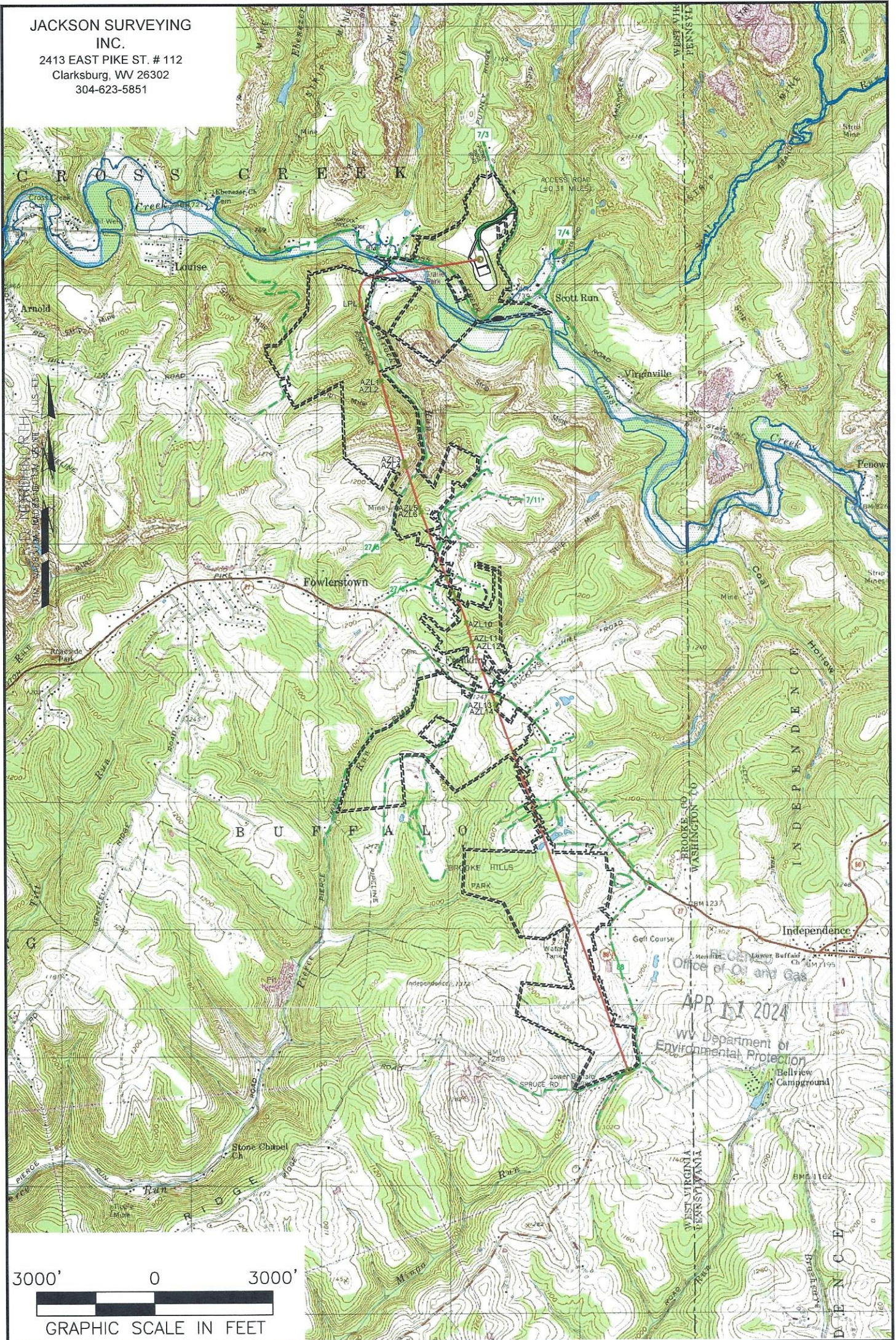
Date: _____

Title: _____

SWN PRODUCTION COMPANY, LLC – CONFIDENTIAL

05/17/2024

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



NOTES ON SURVEY

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

LEGEND:

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

05/17/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: STATE OF WV DNR C BRK	WELL # 806H	SERIAL # 47-009-
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE BROOKE - 009	DISTRICT; CROSS CREEK	
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	USGS 7 1/2 QUADRANGLE MAP NAME STUEBENVILLE EAST, WV		

Latitude: 40°20'00"

SURFACE HOLE 10502'

Latitude: 40°15'00"

BOTTOM HOLE 6,945'

JACKSON SURVEYING INC.

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

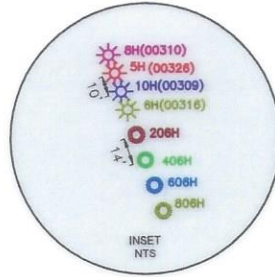
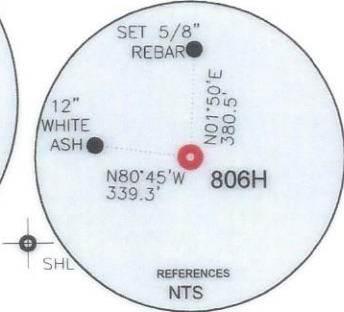
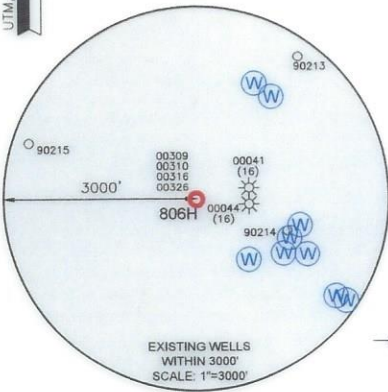


Table with 2 columns: Location Type (SHL, LPL, BHL) and UTM Coordinates (NORTHING, EASTING).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Lists lines L1 through L17.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Lists lines L3 through L15.

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



WELL RESTRICTIONS

- List of 6 restrictions regarding well placement, including distances from dwellings, buildings, streams, and public water supply.

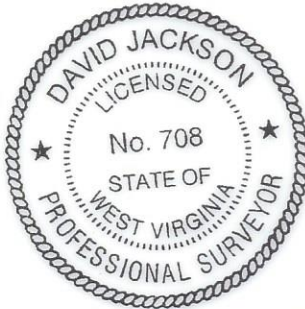
NOTES ON SURVEY

- List of 4 notes regarding survey boundaries, tax parcel maps, and grid north.

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



2000 0 2000

GRAPHIC SCALE IN FEET



STATE OF WEST VIRGINIA
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

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

STATE OF WV DNR C BRK
OPERATOR'S WELL #: 806H
API WELL #: 47 009 00344
STATE COUNTY PERMIT

Form with well details: WELL TYPE (Oil, Gas, etc.), WATERSHED (North Fork Cross Creek), DISTRICT (Cross Creek), SURFACE OWNER (State of West Virginia), OIL & GAS ROYALTY OWNER (State of West Virginia), DRILL (checked), TARGET FORMATION (Marcellus), ESTIMATED DEPTH: 5,865 TVD 27,686 TMD.

Form with contact information: WELL OPERATOR: SWN PRODUCTION COMPANY, LLC; ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200; CITY: MORGANTOWN; STATE: WV; ZIP CODE: 26508.

Table with 2 columns: LEGEND (Proposed Surface Hole, Existing Wellhead, LPL, Existing Water Well, Existing Spring) and REVISIONS/DATE (03-26-2024, Drawn by: N. Mano).

JACKSON SURVEYING

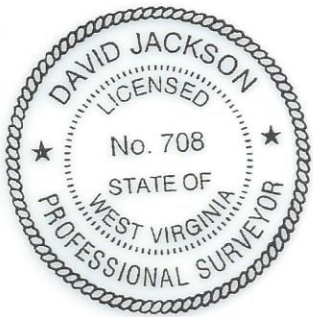
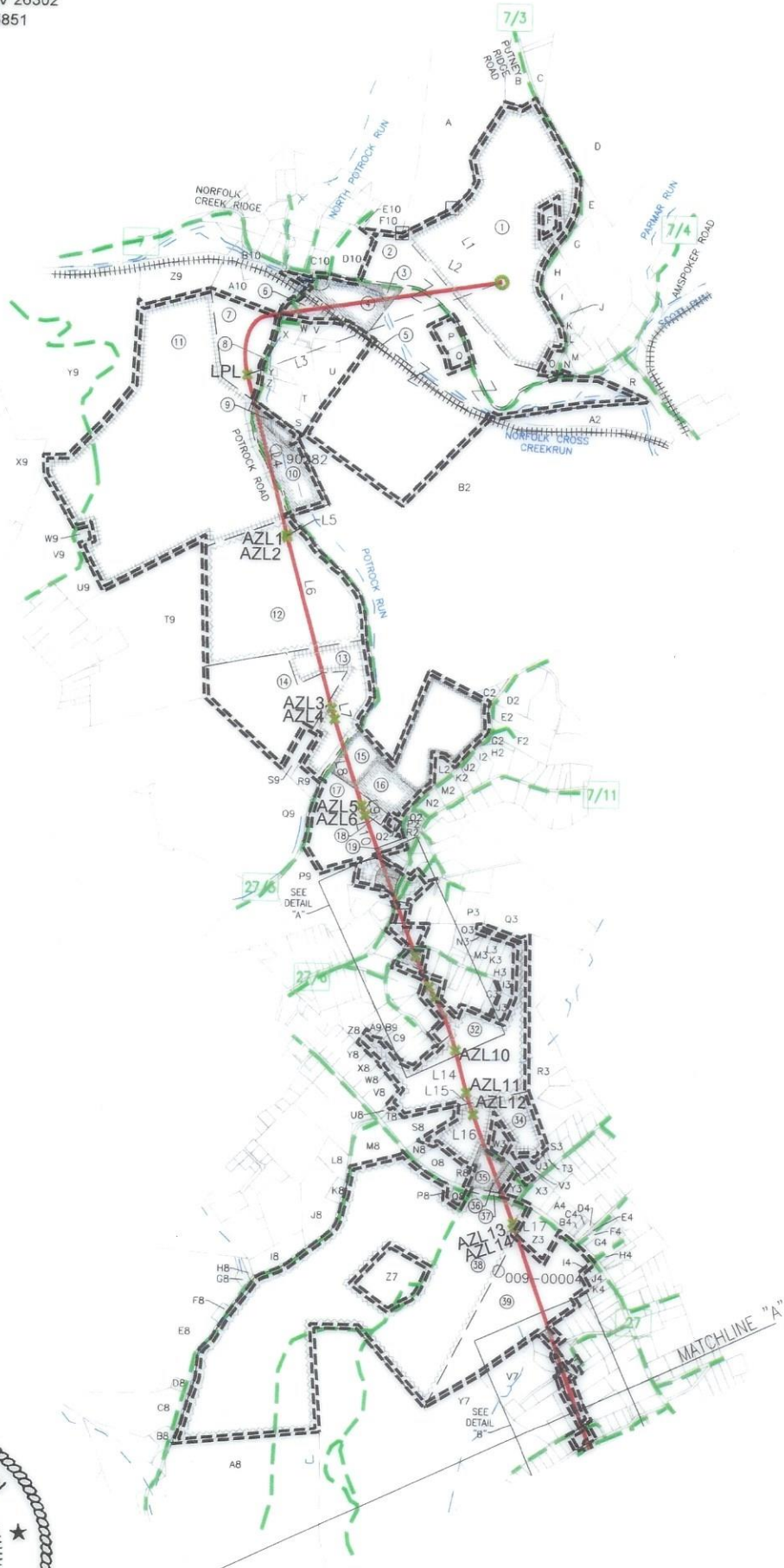
INC.

2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851

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



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.

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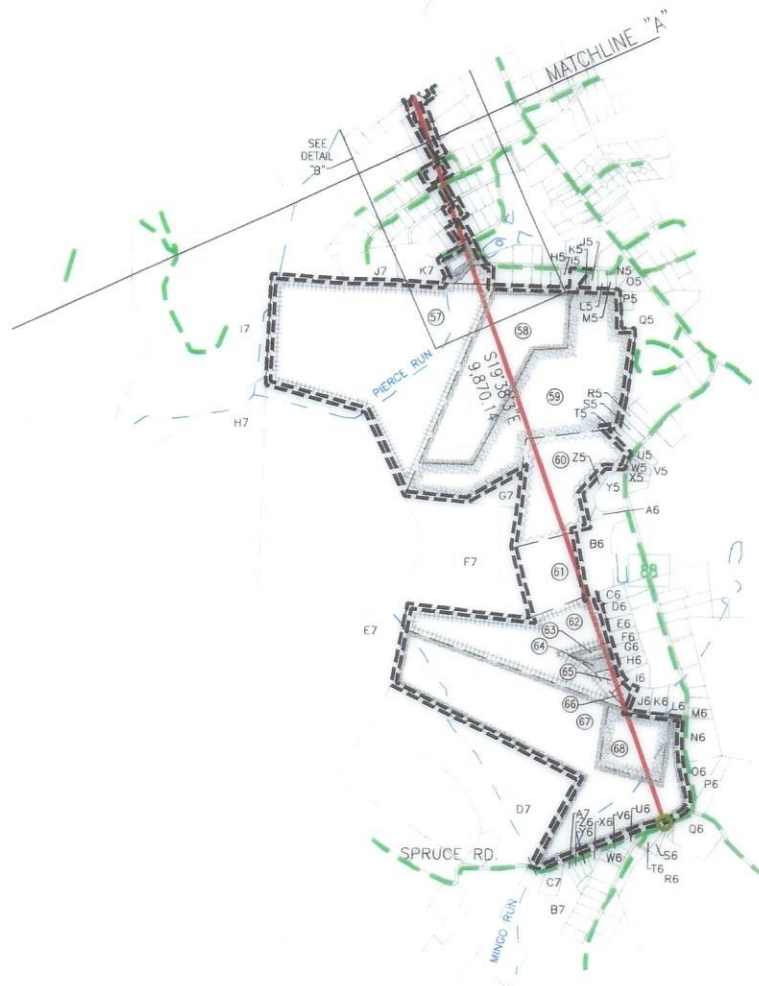
David L Jackson

05/17/2024

REVISIONS:		COMPANY:			
OPERATOR'S		STATE OF WV DNR C BRK		API:	
WELL #:		806H		47-009-	
DISTRICT:		COUNTY:		STATE:	
CROSS CREEK		BROOKE		WV	
				DATE: 03-26-2024	
				DRAWN BY: N. MANO	
				SCALE: N/A	
				DRAWING NO:	
				WELL LOCATION PLAT 2	

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

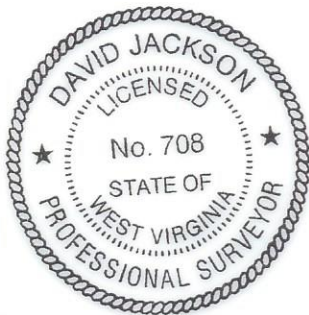
GRID NORTH
 UTM, NAD83 DATUM, ZONE 17, US FT



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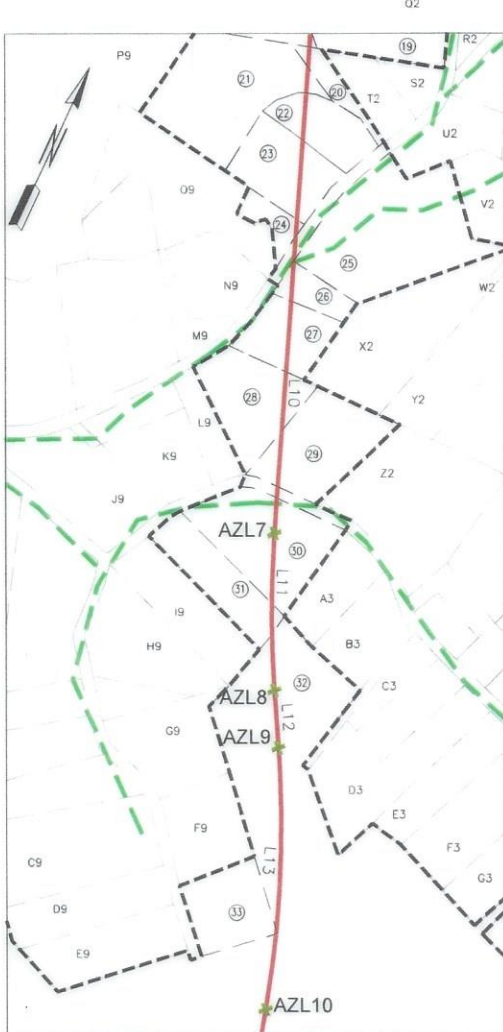


05/17/2024

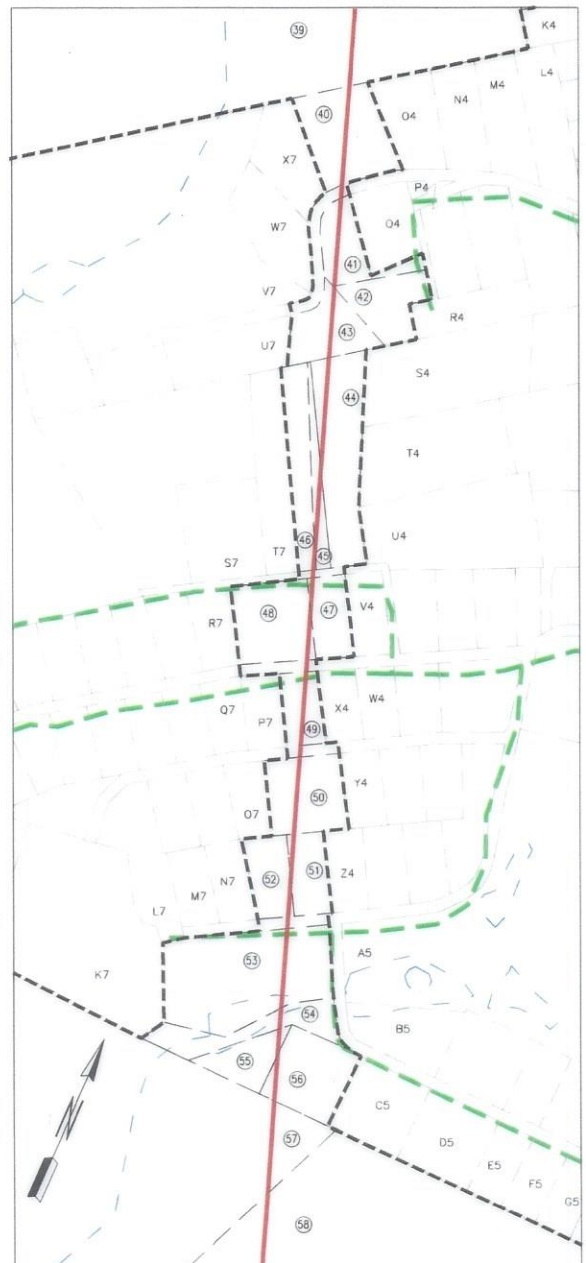
REVISIONS:	COMPANY:		DATE: 03-26-2024
	OPERATOR'S	STATE OF WV DNR C BRK	API:
	WELL #:	806H	47-009-
DISTRICT:	CROSS CREEK	COUNTY:	BROOKE
		STATE:	WV
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 3

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

DETAIL "A"



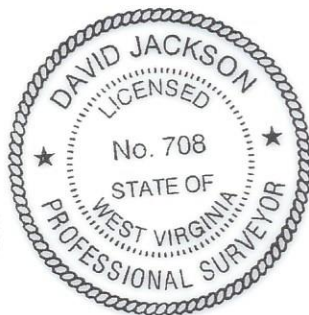
DETAIL "B"



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





05/17/2024

REVISIONS:	COMPANY:		
	OPERATOR'S	STATE OF WV DNR C BRK	API:
	WELL #:	806H	47-009-
	DISTRICT:	CROSS CREEK	COUNTY:
			BROOKE
			STATE:
			WV
			DATE: 03-26-2024
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

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

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP (S/R)	4-CC20-6
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP (S)	4-CC19-169
3	GALIANO LINDY L (S)	4-CC19-170
4	EVANGELINOS CONSTANTINE & TOULA (SURV) (S)	4-CC19-171
5	NORFOLK & WESTERN RAILWAY CO	4-C19K-18
6	STEWART IRR TR 10/1/14 CARLON & BETTY TRUS (S)	4-CC19-172
7	BLACK CLARENCE T JR & TAMMY L (S)	4-CC19-186
8	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAY (S)	POT ROCK ROAD
9	CARBASHO THOMAS & CALDWELL TINA (S)	4-CC23-323
10	MENEELY BOBBIE JO; MINICH RANDALL (S)	4-CC23-324
11	COOK FAMILY REVOCABLE TRUST 4/20/17, MALSON SUSAN A (S)	4-CC23-322
12	BARONIO CURTIS R & DONNA J (S)	4-CC23-321
13	THOMPSON DEBRA J (S)	4-CC23-320
14	HUBBARD SAMUEL (S)	4-CC23-318
15	JOHNS ALBERT; GARY; GREGORY; MOORE TAMMY (S)	4-CC23-326
16	SULLIVAN ARTHUR E JR (S)	4-CC23-368
17	SILVER CHARLES; HALSTEAD DONNA LIVINGOOD SHERRY (1/3) (S)	4-CC23-327
18	HALSTEAD GORDON K & DONNA M (SURV) (S)	4-CC23-327.1
19	LIVINGOOD RONALD & SHERRY (SURV) (S)	4-CC23-366
20	YOST CHARLES M & BETTY A (S)	4-CC23-363.1
21	PARR BRIAN W (S)	4-CC23-363
22	YOST MICHELLE (S)	4-CC23-361
23	PARR BRIAN W (S)	4-CC23-362
24	PARR BRIAN W & REBECCA J JTWS (S)	4-CC23-360
25	STUCK TERRY G & KAREN M (SURV) (S)	4-CC23-377
26	TATE RICHARD A (S)	4-CC23-378
27	TAYLOR DAVID L & JOYCE (SURV) (S)	4-CC23-379
28	STEPHEN GARRY E & ELLIOTT BOBBIE L	4-CC23-381
29	YOST RUSSELL E & RUTH A (S)	4-CC23-387
30	CERCONE JAMES A; BATTAGLIA NANCY K SURV (LE-NANCY CERCONE) (S)	4-CC23-389
31	CARBASHO FRANK E (S)	4-CC23-390
32	VISYAK PATRICIA M (S)	4-CC24-83
33	CRAFT DOROTHY R (S)	4-CC24-82
34	WOOD DAVID D & ANNA E (SURV) (S)	4-CC29-6
35	BOARD OF EDUCATION - BROOKE COUNTY (S)	4-CC29-3
36	RALSTON CHARLES L & SANDRA (S)	4-CC29-4
37	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAY (S)	WASHINGTON PIKE A/K/A STATE ROUTE 27
38	PARK & RECREATION COMMISSION (S)	3-B28-66
39	POTTER JAY M II; JOHN PAUL; SAUVE' PENNY POTTER (S)	3-B29E-1
40	TAYLOR RICHARD W & TERESA R (SURV) (S)	3-B29E-16
41	CRONIN PAUL A & NOLA J (SURV) (S)	3-B29E-25
42	GRIFFITH FAM KEYSTONE TR (LE-JAMES & PRISCILLA GRIFFITH) (S)	3-B29E-24
43	CARUSO ELIZABETH A (S)	3-B29E-23
44	GAGICH SUSAN M (L EST JOHN G & M LOIS PLATT) (S)	3-B29I-1
45	GAGICH SUSAN M (L EST JOHN G & M LOIS) (S)	3-B29I-2
46	MOLNAR ARDELLE L (S)	3-B29I-3
47	HENTHORN JANETTE M (S)	3-B29I-13
48	JONES MICHAEL D & LOIS J (SURV) (S)	3-B29I-14
49	HENTHORN LEROY & JANETTE (SURV) (S)	3-B29I-35
50	MATHEWS JACOB E (S)	3-B29I-46
51	WILLETT BARBARA E (S)	3-B29I-56
52	HAYNES ROBERT L (S)	3-B29I-57
53	BEATTY DEREK A (S)	3-B29I-60
54	HERVEY RUSSEL D HUKILL BRITTANY (SURV) (S)	3-B29I-61
55	HERVEY RUSSEL D & HUKILL BRITTANY N (SURV) (S)	3-B29I-62
56	HERVEY RUSSELL & HUKILL BRITTANY N (SURV) (S)	3-B29I-63
57	PARK & RECREATION COMMISSION (S)	3-B29-14
58	DELATORE LOUIS & KAREN (S)	3-B29-13.1
59	JONES ZACHARY & MICHELE (S)	3-B29-13
60	SANFORD HARRY E; NEELY CHATMAN L (SURV) (S)	3-B29-16
61	SANFORD HARRY E; NEELY CHATMAN L (SURV) (S)	3-B34-2
62	HUNT WILLIAM CURTIS & SUSAN L (SURV) (TOD) SCOTT KRISTEN E (S)	3-B34-7
63	THOMAS GARY D & TRESA A (SURV) THOMAS ANDREW (TUD) (S)	3-B34-7.8
64	THOMAS GARY D & TRESA A (TRANSFER UPON DEATH (SURV) (S)	3-B34-7.4
65	CANTERBURY LEWIS S JR & MELISSA D (JTWS) (S)	3-B34-8
66	MATTESON MATTHEW D & AMY R (SURV) (S)	3-B34-7.1
67	BRINKLEY JUDITH LEE; STENGER SARAH A; BUYAN MARK A (S)	3-B34-10
68	RIGGS KENNETH (S)	3-B34-10.1

05/17/2024

REVISIONS:	COMPANY:		 	
	OPERATOR'S	STATE OF WV DNR C BRK		API:
	WELL #:	806H	47-009-	DRAWN BY: N. MANO
	DISTRICT:	CROSS CREEK	COUNTY:	STATE:
		BROOKE	WV	DRAWING NO:
				WELL LOCATION PLAT 5

JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112



Clarksburg, WV 26302

304-623-5851

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
A	LANGEVIN GRETCHEN MOOREWESBANCO BANK INC	4-CC20-5	K4	COPPA SILVERIO G & DORIS E (SURV)	3-B29E-4
B	MILLER JOHN ERNEST, ESSE ANDREW (SURV)	4-CC20-4	L4	SALVINI MATTHEW J	3-B29E-12
C	BREEN SUSAN D & DENNIS M	4-CC20-22	M4	RIGGS DAVID & PATTI J (SURV)	3-B29E-13
D	COLLIERS SPORTSMAN CLUB	4-CC20-21	N4	DEMARK GREG C	3-B29E-14
E	ROUSE WILLIAM MORGAN & DORIS J	4-CC20-20	O4	DEMARK GREGORY C	3-B29E-15
F	BLACK LINDY L	4-CC20-7	P4	BROWN MARILYN	3-B29E-28
G	GALIANO LINDY L &	4-CC20-19.1	Q4	CRONIN PAUL A & NOLA	3-B29E-26
H	CARTER EDWARD L & DEBORAH C JTWS	4-CC20-18	R4	GRIFFITH FAM KEYSTONE TR (LE JAMES & PRISCILLA GRIFFIT	3-B29E-27
I	CARTER EDWARD L	4-CC20-17	S4	LORING RANDY L & JUDY A (SURV)	3-B29E-34
J	GALIANO ERIC T	4-CC20-16	T4	WOODSTUFF MICHAEL A	3-B29E-35
K	GALIANO ERIC T	4-CC20-14	U4	WOODSTUFF MICHAEL A & DEBORAH L (JTWS)	3-B29E-38
L	GALIANO ERIC T	4-CC20-19	V4	HENTHORN JANETTE M	3-B29I-12
M	MCCONNELL KEVIN	4-CC20-11	W4	HENTHORN JANETTE M	3-B29I-37
N	MCCONNELL BARBARA J	4-CC20-10	X4	HENTHORN JANETTE M	3-B29I-36
O	PRONCHIK SUSAN KAY	4-CC20-8	Y4	MUSHET DARLA ANN & ALEC (SURV)	3-B29I-45
P	BERNARDINI JUDITH ANN	4-CC20-9	Z4	MUSHET ALEC & DARLA A (SURV)	3-B29I-55
Q	BERNARDINI MICHAEL LEE & JULIE LYNN	4-CC20-44	A5	BAKER KEITH & KATHERINE A (SURV)	3-B29I-70
R	NORFOLK & WESTERN RAILWAY CO	4-C24B-29	B5	GASTON JACQUELINE A	3-B29I-69
S	POWER ADRIAN ELIZABETH & EMIL JAMES LOPPE (JTWS)	4-CC19-185	C5	NIXON N STEVE & JILL (SURV)	3-B29I-64
T	MOORE CHARLES D & CECELIA FAY (JTWS)	4-CC19-180	D5	MCCONAUGHEY JOHN P	3-B29I-65
U	EDGELL ROSA MARIE	4-CC19-176	E5	SPURRIER DISCHMOND & AMY EILEEN	3-B29I-66
V	KASPER PAUL & MITCHELL JENNIFER (JTWS)	4-CC19-174	F5	SPURRIER DISCHMOND & AMY EILEEN	3-B29K-13
W	THOMAS FLORENCE M	4-CC19-173	G5	CASTO LOUISE A	3-B29K-14
X	CRAWFORD MARK A	4-CC19-177	H5	CASTO LOUISE A	3-B29K-15
Y	ERDMAN PAULINE A TOD	4-CC19-181	I5	GEORGETTI SHIRLEY, BROWMLEE LAND ADVENTURES LP	3-B29K-11
Z	ERDMAN PAULINE A TOD	4-CC19-183	J5	JONES ZACHARY & MICHELLE	3-B29K-18
A2	NICKOLES 3 LLC	4-CC20-33	K5	JONES ZACHARY & MICHELLE	3-B29K-17.1
B2	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC23-325	L5	STEWART JAMES & PAMELA	3-B29K-19
C2	BAIRD WILLIAM C & CYNTHIA L (SURV)	4-CC24-5	M5	STEWART JAMES H & PAMELA J (SURV)	3-B29K-20
D2	CROSS RAYMOND S DENNIS P & BUTLER KATHRYN R	4-CC24-13	N5	CECCHINI MELANIE A	3-B29K-21
E2	LYNCH THERESA ANN (LE CHARLES & ELLEN THORNE	4-CC24-16	O5	FALBO PENNY	3-B29K-22
F2	COLLINS RANDY L JR & AMY R (SURVIVORSHIP	4-CC24-17	P5	FALBO PENNY	3-B29K-23
G2	COLLINS RANDY L JR & AMY R (SURVIVORSHIP)	4-CC24-18	Q5	ROBERSON CHARLES M & DOROTHY	3-B29-5
H2	LICHT JANICE	4-CC24-19	R5	SONDA HAROLD S & SHIRLEY J	3-B29-10
I2	JOHNSON KATHY L	4-CC24-19.1	S5	CHIVERS NORMA E TOD CHIVERS ALAN J ETAL	3-B29-11
J2	KISNER EUGENE WILFRED & CYNTHIA KAY	4-CC24-20	T5	CHIVERS NORMA E CHIVERS ALAN J. ETAL	3-B29-12
K2	HUNTER DIXIE DARE (TOD) HUNTER ROBERT ANDREW	4-CC24-21	U5	MALINKY KEITH & KIM	3-B29-22
L2	MOORE FAMILY REV LIVING TRUST TRUS- RICHARD & TAMMY MOORE	4-CC24-4	V5	HIGHLAND SPRINGS GOLF COURSE LLC	3-B29-18
M2	GEORGETTI RANDY V & TAMMYS (SURV)	4-CC24-22	W5	HONE MARK A & LAUREN MJTWS	3-B29-21
N2	GOOCH JUDITH L	4-CC23-370	X5	HONE MARK A & LAUREN MJTWS	3-B29-20
O2	SMITH VIRGINIA	4-CC23-372	Y5	DIAMOND JANA L	3-B29-15.1
P2	SMITH VIRGINIA L	4-CC23-373	Z5	SANFORD HARRY E, NEELY CHATMAN L (SURV)	3-B29-15
Q2	LIVENGOOD RONALD & SHERRY (SURV)	4-CC23-366	A6	PAULL CHRISTOPHER J & MARY ELLEN (SURV)	3-B29-15.2
R2	SMITH VIRGINIA L	4-CC23-374	B6	PAULL CHRISTOPHER J & MARY E (SURVIVORSHIP)	3-B34-3
S2	KLINE DANIEL	4-CC23-365	C6	GRIZZEL STEPHEN SR & LISA JTWS	3-B34-7.12
T2	YOST CHARLES M & BETTY A SURV	4-CC23-364	D6	GRIZZEL STEPHEN SR & LISA JTWS	3-B34-7.10
U2	STARKEY BARBARA	4-CC23-376	E6	LINDSEY-LYNCH REGINA, TR OF REGINA LINDSEY-LYNCH REV TR AG	3-B34-7.9
V2	JOSEPH MARGARET A	4-CC24-61	F6	LINDSEY-LYNCH REGINA TR OF REGINA LINDSEY-LYNCH REV TRAGRE	3-B34-7.7
W2	WADE MICHAEL DAVID	4-CC24-60	G6	FERGUSON CORY R & TARA L (SURV)	3-B34-7.6
X2	CERCONI JAMES A; BATTAGLIA NANCY K SURV (LE NANCY CERCONI)	4-CC23-388	H6	SPITAK MICHAEL N & RHONDA R (SURVIVORSHIP)	3-B34-7.3
Y2	WADE MICHAEL DAVID	4-CC24-59	I6	HASTINGS JEFFREY L JR & KRISTIE M (JTWS)	3-B34-7.5
Z2	BURNS JAMES & SHARON (SURV) TOD	4-CC24-63	J6	LOUDIN RICKEY G PATRICIA A JTWS	3-B34-9
A3	JONES RONNIE LEE JR	4-CC24-81	K6	LOWRY DEVIN J & NICOLE M (JTWS)	3-B34-7.2
B3	WILSON CLINT	4-CC24-80	L6	LOWERY DEVIN J & LOWERY NICOLE (JTWS)	3-B34-7.11
C3	MOZINGO JEFFREY ALLEN	4-CC24-78	M6	HANNAHS FREDERICK L	3-B34-70
D3	CRUPE KIMBERLY	4-CC24-76	N6	SONDA RICHARD L & SONDA HAROLD	3-B34-69
E3	LUNSFORD MICHAEL & DANYIEL	4-CC24-75	O6	WINTERS SHIRLEY (TOD) WINTERS ROBERT G (ETAL)	3-B34-68
F3	LUNSFORD MICHAEL & DANYIEL	4-CC24-74	P6	SHEERAN MARY L & CRAFT CUCARESE BEVERLY	3-B34-67
G3	SMITH SCOTTIE O & CHRISTINE S (SURV)	4-CC24-73	Q6	APPALACHIA MIDSTREAM SERVICES LLC	3-B34-65
H3	MITCHELL ROBERT & KIMBERLY (SURV)	4-CC24-72	R6	APPALACHIA MIDSTREAM	3-B34-66
I3	NICKOLES RUDY & FRANCES	4-CC24-71	S6	DIGHT KENNETH W & BRENDA	3-B34-63
J3	MITCHELL ROBERT C & KIMBERLY A (SURV)	4-CC24-83.1	T6	DIGHT KENNETH W & BRENDA D	3-B34-62
K3	NICKOLES RUDY & FRANCES A	4-CC24-70	U6	VANCAMP, WILLIAM C & MARIE C (SURV)	3-B34-27
L3	BUCY CARMELLA RITA	4-CC24-69	V6	BURDINE KYLE	3-B34-28
M3	BUCY EVELYN	4-CC24-68	W6	BURDINE KYLE	3-B34-29
N3	GILCHRIST MICHAEL JR & ERIN (JTWS)	4-CC24-67.2	X6	AMBROSE NANCY J MISCH ASHLEY N (LC)	3-B34-26
O3	GILCHRIST BENNY L & TARA D (JTWS)	4-CC24-65	Y6	AMBROSE NANCY J	3-B34-25
P3	HAMBRICK HAROLD DEWAYNE	4-CC24-57	Z6	AMBROSE NANCY J REV TRUST	3-B34-24
Q3	STEVENS JOHN & LINDA	4-CC24-56	A7	AMBROSE NANCY J REV TRUST	3-B34-23
R3	MALONEY CHARLES WAYNE & NANCY L (JTWS) (TOD)	4-CC29-17	B7	MAZZELLA SIMON MATHEW & MARTHA KAY	3-B34-21
S3	WOOD CHRISTOPHER & MISTY M (JTWS)	4-CC29-10	C7	BUFFALO CEMETERY	3-B34-22
T3	WOOD CHRISTOPHER D & MISTY M (SURV)	4-CC29-9	D7	AMBROSE NANCY J REV TRUST	3-B34-11
U3	WOOD CHRISTOPHER D & MISTY M (SURV)	4-CC29-8	E7	SMITH KEITH & KATHY	3-B34-16.1
V3	WOOD CHRISTOPHER D & MISTY M (SURV)	4-CC29-6.1	F7	HUNT WILLIAM C & SUSAN L (JTWS) (TOD) SCOTT KRISTEN E	3-B34-10.2
W3	WOOD DAVID D & EILEEN	4-CC29-7	G7	WASHINGTON PIKE PUBLIC SERVICE	3-B29-17
X3	FERGUSON JASON G	4-CC29-76	H7	PARK & RECREATION COMMISSION	3-B28-61
Y3	RALSTON CHARLES L & SANDRA	4-CC29-5	I7	PARK & RECREATION COMMISSION	3-B28-65
Z3	FREE METHODIST CHURCH	3-B29-4	J7	COPERICH RICHARD M & BELINDA A (JTWS)	3-B29I-25
A4	FERGUSON WALTER & EDITH	4-CC29-78	K7	COPERICH RICHARD M & BELINDA A (JTWS)	3-B29I-52
B4	JEFFRIES DIANA	4-CC29-79	L7	COPERICH RICHARD M & BELINDA A (JTWS)	3-B29I-50
C4	JEFFRIES DIANA	4-CC29-80	M7	HAYNES ROBERT L	3-B29I-59
D4	WARCHOLAK MEGHAN E	4-CC29-81	N7	HAYNES ROBERT L	3-B29I-58
E4	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-93	O7	NARIGON GERALD & MEGAN JTWS	3-B29I-47
F4	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-94	P7	HENTHORN LEROY & JANETTE (SURV)	3-B29I-34
G4	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-95	Q7	NARIGON GERALD & MEGAN JTWS	3-B29I-33
H4	BALLATO CHRISTOPHER A & RUTH V (SURV)	4-CC29-98	R7	LILLY WILLIAM J & KRISTA A (SURV)	3-B29I-15
I4	DAYTON WHITLATCH AMITY LAEL	3-B29E-2	S7	LEES MARK D & MERLINDA L (SURV)	3-B29I-5
J4	RADICK RONALD R & CHRISTINE (SURV)	3-B29E-3	T7	MOLNAR ARDELLE L	3-B29I-4
			U7	CARUSO ELIZABETH A	3-B29E-22
			V7	CARUSO ELIZABETH A	3-B29E-19

*Highlighted Parcels may be impacted during drilled.

05/17/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	STATE OF WV DNR C BRK	API:
	WELL #:	806H	47-009-
	DISTRICT:	CROSS CREEK	STATE:
	COUNTY:	BROOKE	WV
			DATE: 03-26-2024
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 6

JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112



Clarksburg, WV 26302

304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
W7	CARUSO ELIZABETH A	3-B29E-18
X7	GIBSON EDWARD R & JOYCE C SURV	3-B29E-17
Y7	RADVANSKY JOHN GABRIEL	3-B29I-7
Z7	BROOKE COUNTY PARK ASSOCIATION	3-B28-67
A8	BROOKE COUNTY PARK COMMISSION	3-B28-64
B8	KNORR BERNARD JOHN III (L EST) KNORR BERNARD J JR % RUBY F	3-B28-57.1
C8	HANCHER ERIC DAVID	3-B28-57
D8	EATON JANICE	3-B28-56
E8	SCHUPBACH CHARLES EDWARD & ELSIE HELEN (SURV)	3-B28-55
F8	HANCHER ERIC; GLASURE CHARLOTTE (SURV)	3-B28-54
G8	COEN CORINNA A	3-B28-53
H8	JUSTICE GREGORY MICHAEL MARY ALICE MALONEY (LE)	3-B28-52
I8	BENSON ANTHONY	3-B28-51
J8	POTTER ELIZABETH ANN	3-B28D-65
K8	POTTER ELIZABETH A	3-B28D-64
L8	MILLER JENNY L & JAMES T MCCARTY (LE)	3-B28D-63
M8	FRANKLIN CEMETERY ASSOCIATION TRUSTEES	3-B28D-66
N8	MOORE MICHAEL A II & MOORE KIMBERLYL (JTWS)	4-CC28-11
O8	BERDINE FLOYD I (TOD)	4-CC29-1
P8	DEGARMO MARY K HERVEY	3-B29-1
Q8	THE BROOKE COUNTY PARK & RECREATION	3-B29-2
R8	STEPANEK WILLIAM KENNETH & INA MARCHEL (SURV)	4-CC29-2
S8	FRANKLIN METHODIST CHURCH	4-CC28-10
T8	LANCASTER DAVID	4-CC28-9
U8	LANCASTER DAVID	4-CC28-8
V8	ARBOGAST WILLIAM & GRACIE E	4-CC28-7
W8	CHARLESWORTH DOUG & ADELINE (SURV)	4-CC28-6
X8	SAUNDERS JEFFREY S	4-CC23-420
Y8	GASCHLER ROBERT J & KERRY L (SURVIVORSHIP)	4-CC23-419
Z8	GROCH IMOGENE RUTH	4-CC23-402
A9	FLUHARTY RODNEY JAY	4-CC23-400
B9	FLUHARTY RODNEY JAY	4-CC23-399
C9	FLUHARTY RODNEY JAY	4-CC23-398
D9	SMITH CHRIS L	4-CC23-397
E9	SMITH CHRIS L	4-CC23-396
F9	COE STEVEN B; VIRGIL; GLEN JR; STACKPOLE DIANNE ETAL	4-CC23-395
G9	STILL JAMES L & BRENDA K (ETAL)	4-CC23-394
H9	MCMILLAN STACEY M	4-CC23-392
I9	CARBASHO FRANK E	4-CC23-391
J9	CARBASHO FRANK E	4-CC23-386
K9	HEATON ROBYN GAI	4-CC23-384
L9	STEPHEN GARRY E & ELLIOTT, BOBBIE L (SURV)	4-CC23-382
M9	WILLIAMS PEGGY TOD	4-CC23-357
N9	JOHNSON JAMES R JR & LURA M	4-CC23-359.1
O9	JOHNSON LURA M	4-CC23-359
P9	YOST CLARA E	4-CC23-328
Q9	HUBBARD SAMUEL	4-CC23-85
R9	THOMPSON DEBRA J	4-CC23-319
S9	BANNEN JOHN J	4-CC23-317
T9	CORWIN BRIAN	4-CC23-78
U9	HENTHORN WILLIAM E	4-CC23-71
V9	BRAHO JOSEPH M & MCGOWAN KATELYN N (JTWS)	4-CC23-66
W9	BURCH AMY J	4-CC23-67
X9	HART TED JR & RUTH B	4-CC23-51.4
Y9	PITTSBURGH & W VA RAILWAY CO	4-CC19-191
Z9	MARINO WILLIAM & MILDRED T	4-CC19-190
A10	NOGA CODIE L & KATRINA MILLER	4-CC19-187
B10	D'AGOSTINO PETER	4-CC19-188
C10	NICKOLES GREGORY; RANDY; JEFFRE (LE-DANNY & GRACE NICKOLES)	4-CC19-160
D10	BAKER DAVID	4-CC19-164
E10	EMMERTH DOUGLAS P & PAMELA L JTWS	4-CC19-165
F10	STATE OF WEST VIRGINIA BUREAU OF COMMERCE DIV OF NAT RESOURC	4-CC19-168

*Highlighted Parcels may be impacted during drilled.

05/17/2024

REVISIONS:	COMPANY:		 	
	OPERATOR'S	STATE OF WV DNR C BRK	API:	DATE: 03-26-2024
	WELL #:	806H	47-009-	DRAWN BY: N. MANO
	DISTRICT:	CROSS CREEK	COUNTY:	SCALE: N/A
		BROOKE	STATE:	DRAWING NO:
			WV	WELL LOCATION PLAT 7

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

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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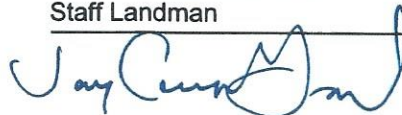
**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

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

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

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

Well Operator: SWN Production Company, LLC.
 By: Cooper Farish, CPL
 Its: Staff Landman



4700900344

EXHIBIT "A"

DNR C BRK 806H

Brooke County, West Virginia

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

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
/ 1	4-CC20-6	730135\000	Starvaggi Industries, Incorporated	Fortuna Energy Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.00%
/ 2	4-CC19-169	748394\009	Ridgetop Appalachia LLC	SWN Production Company, LLC	18.00%	45/169	0.00%
/ 3	4-CC19-170	Pending	Lindy L. Galiano	SWN Production Company, LLC	18.00%	64/648	0.00%
/ 4	4-CC19-171	750426\000	Toula Evangelinos, widow	SWN Production Company, LLC	18.00%	56/37	0.00%
/ 5	4-C19K-18	749423\000	Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	18.00%	53/702	0.00%
/ 6	4-CC19-172	Pending	The Carlon and Betty Stewart Irrevocable Trust dated October 01, 2014	SWN Production Company, LLC	18.00%	64/274	0.00%
A10	4-CC19-187	744148\000	Roy H. Miller and Georgann Miller, Husband and Wife	SWN Production Company, LLC	18.00%	31/1	0.00%
/ 7	4-CC19-186	736177\000	Clarence T Black JR and Tammy L. Black husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	18/13 30/480	0.00%
/ 8	Pot Rock Road	735274\000	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	29/95 30/480	0.00%
/ 9	4-CC23-323	729696\000	Patsy E. Moore, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	11/86 30/480	0.00%
/ 10	4-CC23-324	736141\000	Michele Derita, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	17/167 30/480	0.00%
/ 11	4-CC23-322	730099\000	Dorothy V. Cook, a single woman	Phillips Production Company Great Lakes Energy Partners, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/75 9/395 10/552 30/480	0.00%

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12	4-CC23-321	730098\000	Curtis R. Baronio & Donna J. Baronio, H/W & Curtis R. Baronio, Jr. & Dawn Baronio, H/W	Phillips Production Company Great Lakes Energy Partners, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/75 9/395 10/552 30/480	0.00%
13	4-CC23-320	729606\000	William H. Thompson and Debra Thompson, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	10/702 30/480	0.00%
14	4-CC23-318	731260\000	Samuel Hubbard, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	13/375 30/480	0.00%
15	4-CC23-326	736581\001	Gary Johns, a married man dealing his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.50%	20/245 30/480	0.00%
		736581\002	Tammy Moore, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.50%	20/240 30/480	0.00%
		736581\003	Gregory Johns, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.50%	20/250 30/480	0.00%
		736581\004	Albert D. Johns Jr, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.50%	20/277 30/480	0.00%
16	4-CC23-368	737725\000	Arthur E. Sullivan Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	30/635 30/480	0.00%
17	4-CC23-327	735574\001	Charles Silver and Denise Siver, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/475 30/480	0.00%
		735574\002	Donna Halstead and Gordon Halstead, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/421 30/480	0.00%
		735574\003	Sherry Livengood and Ronald Livengood, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/443 30/480	0.00%
18	4-CC23-327.1	735867\000	Donna M. Halstead and Gordon K. Halstead, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/537 30/480	0.00%
19	4-CC23-366	735868\000	Sherry Livengood and Ronald Livengood, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/562 30/480	0.00%
22	4-CC23-364	735569\000	Charles M. Yost and Betty A. Yost, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/562 30/480	0.00%
20	4-CC23-363.1	735569\000	Charles M. Yost and Betty A. Yost, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/603 30/480	0.00%

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21	4-CC23-363	734949\000	Brian W. Parr, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	13/401 30/480	0.00%
22	4-CC23-361	735569\000	Charles M. Yost and Betty A. Yost, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/603 30/480	0.00%
23	4-CC23-362	734949\000	Brian W. Parr, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	13/401 30/480	0.00%
24	4-CC23-360	736024\000	Maxine Jeannette Givens, a widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	16/218 30/480	0.00%
09	4-CC23-359	736024\000	Maxine Jeannette Givens, a widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	16/218 30/480	0.00%
25	4-CC23-377	735570\000	Terry G. Stuck and Karen M. Stuck, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	14/176 30/480	0.00%
26	4-CC23-378	736152\000	Richard A. Tate, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	17/175 30/480	0.00%
27	4-CC23-379	736048\000	David L. Taylor and Joyce Taylor, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	10.00%	16/257 30/480	0.00%
28	4-CC23-381	736197\000	Garry E. Stephen, a single man, and Bobbie I. Elliot, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	18/53 30/480	0.00%
29	4-CC23-387	735969\000	Russel Ernest Yost and Ruth Ann Yost, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	15/489 30/480	0.00%
		733227\001	Nancy L. Cercone, life tenant, widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	25/388 40/380	0.00%
30	4-CC23-389	733227\002	James A. Cecone, (Remainderman), Married and dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	25/454 33/492	0.00%
		733227\003	Nancy K. Battaglia, (Remainderman), Married and dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	25/459 33/492	0.00%
A3	4-CC24-81	733189\000	Ronnie Lee Jones, Jr. and Alison York, Husband and Wife	Chesapeake Appalachia, L.L.C.	18.00%	24/522 30/480	0.00%
31	4-CC23-390	736016\000	Frank E. Carbasho, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	15/705 30/480	0.00%
19	4-CC23-391	736016\000	Frank E. Carbasho, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	15/705 30/480	0.00%

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32	4-CC24-83	735910\000	Dale E. Visyak and Patricia M. Visyak, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	16/542 30/480	0.00%
33	4-CC24-82	733221\000	Dorothy R. Craft, Widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	25/224 30/480	0.00%
		748382\001	Matthew H. Fair and Robin C. Fair, husband and wife	SWN Production Company, LLC	18.00%	40/411	0.00%
34	4-CC29-6	748382\002	Susan S. Fair, f/k/a Susan Fair Bruffy, a divorced woman	SWN Production Company, LLC	18.00%	40/389 41/554	0.00%
		748382\003	Debra R. Cyphert and Robert Cyphert, wife and husband	SWN Production Company, LLC	18.00%	40/400	0.00%
		748382\001	Matthew H. Fair and Robin C. Fair, husband and wife	SWN Production Company, LLC	18.00%	40/411	0.00%
35	4-CC29-3	748382\002	Susan S. Fair, f/k/a Susan Fair Bruffy, a divorced woman	SWN Production Company, LLC	18.00%	40/389 41/554	0.00%
		748382\003	Debra R. Cyphert and Robert Cyphert, wife and husband	SWN Production Company, LLC	18.00%	40/400	0.00%
36	4-CC29-4	Pending	Charles L. Ralston, single	SWN Production Company, LLC	18.00%	64/521	0.00%
Y3	4-CC29-5	Pending	Charles L. Ralston, single	SWN Production Company, LLC	18.00%	64/521	0.00%
37	Washington Pike (a/k/a State Route	Pending	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	20.00%	65/269	0.00%
		729976\001	Richard P. Gist, a married man doing business in his sole and separate interest	Fortuna Energy Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	10/61 10/175 10/552 30/480	0.00%
38	3-B28-66	729976\002	Virginia Gist Abbit, single	Fortuna Energy Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	10/67 10/171 10/552 30/480	0.00%

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		729976\003	Ann Gist Levin, widow	Fortuna Energy Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	10/69 10/218 10/552 30/480	0.00%
Z3	3-B29-4	748565\000	Free Methodist Church of Wellsburg	SWN Production Company, LLC	18.00%	46/164	0.00%
		747650\001	Jay M. Potter, a married man, dealing herein with his separate property	SWN Production Company, LLC	18.00%	39/282	0.00%
39	3-B29E-1	747650\005	John P. Potter, married, dealing with his separate property	SWN Production Company, LLC	18.00%	42/302	0.00%
		747650\002	Penny Potter Sauve', a married woman, dealing herein with her separate property	SWN Production Company, LLC	18.00%	39/267	0.00%
X7	3-B29E-17	Pending	Edward R. Gibson and Joyce C. Gibson, husband and wife, joint tenants with right of survivorship	SWN Production Company, LLC	18.00%	64/456	0.00%
O4	3-B29E-15	Pending	Greg C. DeMark A/K/A Gregory C. DeMark, married, dealing in his separate property	SWN Production Company, LLC	18.00%	64/112	0.00%
Q4	3-B29E-26	Pending	Nola J. Cronin, a widow	SWN Production Company, LLC	18.00%	64/164	0.00%
40	3-B29E-16	Pending	Richard W. Taylor and Teresa R. Taylor, husband and wife	SWN Production Company, LLC	18.00%	64/316	0.00%
41	3-B29E-25	Pending	Nola J. Cronin, a widow	SWN Production Company, LLC	18.00%	64/164	0.00%
42	3-B29E-24	Pending	Griffith Family Keystone Trust, dated July 15, 2010, Life Estate, represented herein by James D. Griffith, Trustee and Priscilla S. Griffith, Trustee; David T. Griffith, Remainderman	SWN Production Company, LLC	18.00%	64/712	0.00%
43	3-B29E-23	747943\000	Joseph F. Caruso and Elizabeth A. Caruso, husband and wife	SWN Production Company, LLC	18.00%	42/49	0.00%
T7	3-B29J-4	748678\000	The Estate of Darwin L. Molnar by Ardelle L. Molnar, Executor	SWN Production Company, LLC	18.00%	48/786	0.00%
44	3-B29J-1	Pending	M. Lois Platt, a widow, Life Estate; and Susan M. Gagich, Remainderman, married, dealing in her separate property	SWN Production Company, LLC	18.00%	64/620	0.00%

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45	3-B29J-2	Pending	M. Lois Platt, a widow, Life Estate; and Susan M. Gagich, Remainderman, married, dealing in her separate property	SWN Production Company, LLC	18.00%	64/620	0.00%
46	3-B29J-3	748678\000	The Estate of Darwin L. Molnar by Ardelle L. Molnar, Executor	SWN Production Company, LLC	18.00%	48/786	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
47	3-B29J-13	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
X4	3-B29J-36	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
48	3-B29J-14	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
49	3-B29J-35	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
50	3-B29J-46	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%

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		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
51	3-B29J-56	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
52	3-B29J-57	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
53	3-B29J-60	777360\000	Derek A. Beatty, married	SWN Production Company, LLC	18.00%	62/91	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
54	3-B29J-61	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
55	3-B29J-62	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
56	3-B29J-63	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%

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		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
✓57	3-B29-14	731532\001	Brooke County Park and Recreation Commission f/k/a Brooke County Park Association, a West Virginia Corporation	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	13/43 30/480	0.00%
		748492\001	Carolyn M. Funk Carr, a widow	SWN Production Company, LLC	17.00%	45/748	0.00%
✓P7	3-B29J-34	748492\002	Hallie V. Funk Leach, a married woman, dealing herein with her separate property	SWN Production Company, LLC	17.00%	45/755	0.00%
		748492\003	Robert C. Funk, married man, dealing herein with this separate property	SWN Production Company, LLC	17.00%	45/762	0.00%
✓58	3-B29-13.1	747712\000	Karen Delatore and Louis Delatore, wife and husband	SWN Production Company, LLC	18.00%	39/590	0.00%
✓59	3-B29-13	747739\000	David L. Ragan and Joyce A. Ragan, husband and wife	SWN Production Company, LLC	18.00%	39/596	0.00%
✓60	3-B29-16	747946\000	Trustees of the First Presbyterian Church of Wellsburg	SWN Production Company, LLC	18.00%	41/764	0.00%
✓B6	3-B34-3	747946\000	Trustees of the First Presbyterian Church of Wellsburg	SWN Production Company, LLC	18.00%	41/764	0.00%
✓61	3-B34-2	747946\000	Trustees of the First Presbyterian Church of Wellsburg	SWN Production Company, LLC	18.00%	41/764	0.00%
✓62	3-B34-7	747783\000	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC	18.00%	37/661	0.00%
✓63	3-B34-7.8	747783\000	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC	18.00%	37/661	0.00%
✓64	3-B34-7.4	747783\000	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC	18.00%	37/661	0.00%
✓65	3-B34-8	747783\000	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC	18.00%	37/661	0.00%
✓66	3-B34-7.1	747783\000	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC	18.00%	37/661	0.00%
✓J6	3-B34-9	747783\000	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC	18.00%	37/661	0.00%

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EXHIBIT "A"

DNR C BRK 806H

Brooke County, West Virginia

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

	747741\002	Resource Minerals Headwater I, LP		SWN Production Company, LLC	18.00%	42/751	0.00%
67	3-B34-10	Pending	Linda L. Gagliani, married, dealing in her separate property	SWN Production Company, LLC	18.00%	64/642	0.00%
		Pending	Heidi M. Myers, married, dealing in her separate property	SWN Production Company, LLC	18.00%	64/743	0.00%
68	3-B34-10.1	Pending	Kenneth Riggs, divorced	SWN Production Company, LLC	18.00%	65/63	0.00%

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4700900344
SWN Production Company, LLC
1300 Fort Pierpont Dr, Ste 201
Morgantown, WV 26508
Tel: 304 884 1610
Fax: 304 471 2497
www.swn.com

March 25, 2024

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

RE: SWN's proposed New Well: State of WV DNR C BRK 806H in Brooke County, West Virginia, Drilling under Cross Creek Road, Pot Rock Road, Fowler Hill Road, Scenery Hill Road, Washington Pike a/k/a State Route 27, Hawthorn Acres, Spruce Lane, and Lakeview Drive.

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 Cross Creek Road, Pot Rock Road, Fowler Hill Road, Scenery Hill Road, Washington Pike a/k/a State Route 27, Hawthorn Acres, Spruce Lane, and Lakeview Drive. 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,

Cooper Farish, CPL
Staff Landman
SWN Production Company, LLC

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

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

Notice is hereby given:

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

Paper: Brooke County Review

Public Notice Date: March 1, 2024 & March 8, 2024

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

Applicant: SWN Production Company, LLC **Well Number:** State of WV DNR C BRK 806H

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

Business Conducted: Natural gas production.

Location –

State: West Virginia County: Brooke
District: Cross Creek Quadrangle: Steubenville East
UTM Coordinate NAD83 Northing: 4,461,398
UTM coordinate NAD83 Easting: 539,290
Watershed: North Fork Cross Creek- Cross Creek

Coordinate Conversion:

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

Electronic notification:

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

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Reviewing Applications:

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

Submitting Comments:

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

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

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

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

Date of Notice Certification: 4/10

API No. 47- 009 -
Operator's Well No. State of WV DNR C BRK 806H
Well Pad Name: State of WV DNR C BRK

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>539,290.019</u>
County:	<u>009- Brooke</u>		Northing:	<u>4,461,398.499</u>
District:	<u>Cross Creek</u>	Public Road Access:	<u>Putney Ridge Road</u>	
Quadrangle:	<u>Steubenville East</u>	Generally used farm name:	<u>State of WV DNR C BRK</u>	
Watershed:	<u>North Fork Cross Creek- Cross 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">OOG OFFICE USE ONLY</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.

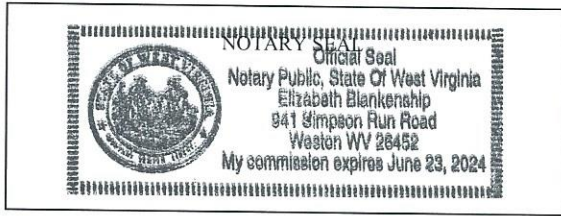
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Certification of Notice is hereby given:

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

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



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

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at 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: 4/10 Date Permit Application Filed: 4/10

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: West Virginia Division of Natural Resources
 Address: 324 4th Avenue
South Charleston WV 25308
 Name: _____
 Address: _____

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

SURFACE OWNER(s) (Impoundments or Pits)
 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: Starvaggi Industries, Inc.
 Address: 401 Pennsylvania Avenue
Weirton, WV 26062
 COAL OPERATOR
 Name: _____
 Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
 Name: See Attachment 13A
 Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
 Name: _____
 Address: _____

*Please attach additional forms if necessary

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Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

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

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th 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.**

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.

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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.

Notice is hereby given by:

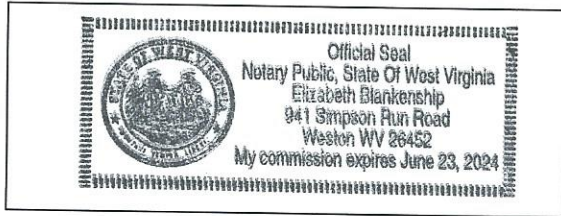
Well Operator: SWN Production Co., LLC
Telephone: 304-884-1610
Email: Brittany_Woody@swn.com

Brittany Woody

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

Oil and Gas Privacy Notice:

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



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

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

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

Date of Notice: 10/30/2023 **Date of Planned Entry:** 11/6/2023

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

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

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

Notice is hereby provided to:

SURFACE OWNER(S)
 Name: West Virginia Division of Natural Resources
 Address: 324 4th Avenue
South Charleston, WV 25303
 Name: _____
 Address: _____
 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: Starvaggi Industries, INC.
 Address: 401 Pennsylvania Ave
Weirton, WV 26062
 MINERAL OWNER(S)
 Name: Starvaggi Industries, INC.
 Address: Weirton, WV 26062
Weirton, WV 26062

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WV Department of
Environmental Protection

*please attach additional forms if necessary

Notice is hereby given:

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

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>4461365.21, 539282.70</u>
County:	<u>Brooke</u>	Public Road Access:	<u>Putney Ridge Road</u>
District:	<u>Cross Creek</u>	Watershed:	<u>North Fork Cross Creek</u>
Quadrangle:	<u>Steubenville East</u>	Generally used farm name:	<u>State of WV DNR C</u>

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

Notice is hereby given by:

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

Oil and Gas Privacy Notice:

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.

05/17/2024

4700900344

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: 03/05/2024 **Date Permit Application Filed:** 4/10

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: West Virginia Division of Natural Resources
Address: 324 4th Avenue
South Charleston, WV 25303

Name: _____
Address: _____

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Notice is hereby given:

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

State:	<u>WV</u>	UTM NAD 83	Easting:	<u>539,290.019</u>
County:	<u>Brooke</u>		Northing:	<u>4,461,398.499</u>
District:	<u>Cross Creek</u>	Public Road Access:	<u>Norfolk Cross Creek Run</u>	
Quadrangle:	<u>Steubenville East, WV</u>	Generally used farm name:	<u>State of WV DNR</u>	
Watershed:	<u>North Fork Cross Creek</u>			

This Notice Shall Include:

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

Notice is hereby given by:

Well Operator: SWN Production Company, LLC
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Telephone: 304-231-8329
Email: reid_croft@swn.com
Facsimile: _____

Authorized Representative: Reid Croft
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Telephone: 304-231-8329
Email: reid_croft@swn.com
Facsimile: _____

Oil and Gas Privacy Notice:

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

05/17/2024

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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: 03/05/2024 **Date Permit Application Filed:** 4/10

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: West Virginia Division of Natural Resources
Address: 324 4th Avenue
South Charleston, WV 25303

Name: _____
Address: _____

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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>WV</u>	UTM NAD 83 Easting:	<u>539,290.019</u>
County:	<u>Brooke</u>	Northing:	<u>4,461,398.499</u>
District:	<u>Cross Creek</u>	Public Road Access:	<u>Norfolk Cross Creek Run</u>
Quadrangle:	<u>Steubenville East, WV</u>	Generally used farm name:	<u>State of WV DNR</u>
Watershed:	<u>North Fork Cross Creek</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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: SWN Production Company, LLC
Telephone: 304-231-8329
Email: reid_croft@swn.com

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

Oil and Gas Privacy Notice:

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

05/17/2024



4700900344

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager

District Four

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

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

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

February 27, 2024

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

**Subject: DOH Permit for the WV DNR C Well Pad, Brooke County
BRK 806H Well Site**

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2017-0591 which has been issued to SWN Production Company, LLC for access to the State Road for a well site located off Brooke County Route 7/3 SLS MP 0.49.

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

Very Truly Yours,

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

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

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Attachment VI Frac Additives

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

As of 7/5/2023

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05/17/2024

OPERATOR: SWN Production Co., LLC

WELL NO: State of WV DNR C BRK 806H

PAD NAME: State of WV DNR C BRK

REVIEWED BY: _____

SIGNATURE: *Brittany Woody*

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

**Pad Built 8/14/20*

Well Restrictions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

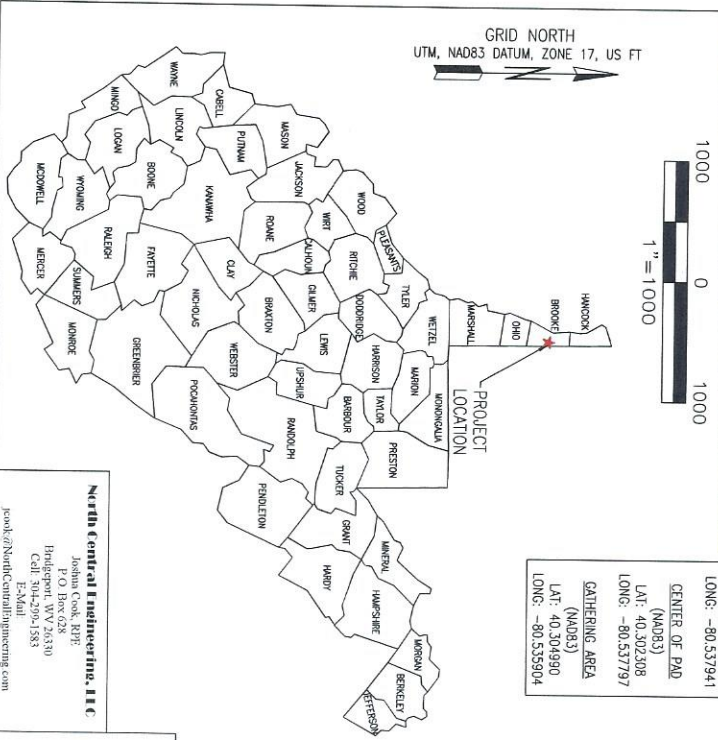
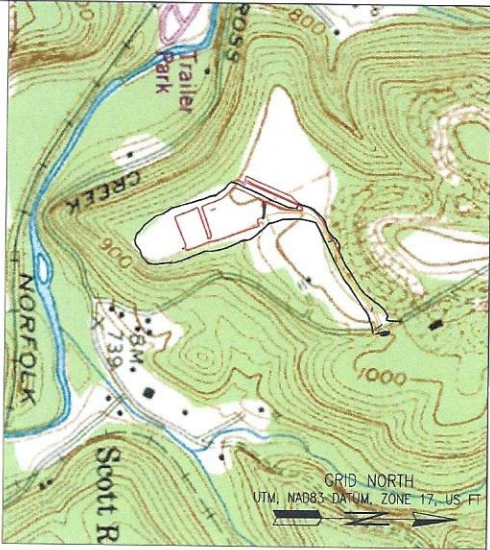
At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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STATE OF WV DNR C BRK PAD CONSTRUCTION AND RECLAMATION PLAN AS-BUILT CROSS CREEK DISTRICT, BROOKE COUNTY, WV OCTOBER 2020

COORDINATES:
SITE ENTRANCE
(NAD83)
LAT: 40.305699
LONG: -80.534275
AT Site of
WV DNR C PAD
(NAD83)
LAT: 40.302969
LONG: -80.537941
CENTER OF PAD
(NAD83)
LAT: 40.302308
LONG: -80.537797
GATHERING AREA
(NAD83)
LAT: 40.304990
LONG: -80.535904

TOTAL DISTURBED AREA: 13.7 ACRES
ROAD DISTURBED AREA: 3.7 ACRES
PAD DISTURBED AREA: 10.0 ACRES

Engineering Estimate of Quantities

Well Site Pad Data (Drilling)	
Maintain Pad, Sumps, E&S Controls (Minimal) and Mulch	1 Ea 100 SY
Access Road (Drilling)	
Maintain Road & Ditches	1 Ea
Clean Culvert	1 Ea
Inlets/Outlets	1 Ea
Maintain E&S Controls	1 Ea
Road Ramp Additional	80 Ton
Well Site Pad Data (Reclamation)	
Remove Sump	5 Ea
Breach Berm	5 Ea
Discharge Channels	140 ton
Rip Rap	140 ton
Erosion Control Fabric	200 SY
Spread Topsoil	6,000 CY
Seed and Mulch	13,000 SY
Seed & Mulch	250 SY
Maintain E&S controls	1 Ea

North Central Engineering, LLC
Joshua Cook, RPE
P.O. Box 628
Bridgetown, WV 26330
Cell: 304-290-1583
E-mail: jcook@NorthCentralEngineering.com

JOSHUA R. COOK
REGISTERED PROFESSIONAL ENGINEER
STATE OF WEST VIRGINIA
17950
10-27-2020
Date:



PROPOSED WELL:
State of WV DNR MSH_5H (047-009-00257) (NAD83)
LAT: 40.302367
LONG: -80.537757
PROPOSED WELL:
State of WV DNR MSH_6H (047-009-00316) (NAD83)
LAT: 40.302315
LONG: -80.537734
PROPOSED WELL:
State of WV DNR MSH_8H (047-009-00310) (NAD83)
LAT: 40.302393
LONG: -80.537768
PROPOSED WELL:
State of WV DNR MSH_10H (047-009-00309) (NAD83)
LAT: 40.302341
LONG: -80.537745

SHEET INDEX	TITLE SHEET
EP2.1	EMACATION ROUTE/ PREWALING WIND
EP2.2	EMACATION ROUTE/ PREWALING WIND
AS3.1	ASBUILT OVERVIEW
AS3.2	ASBUILT
AS3.3	ASBUILT
ASR4.1	CONSTRUCTION AND RECLAMATION ACCESS ROAD PROFILE
MR05.1	RECLAMATION PLAN OVERVIEW
MR05.2	RECLAMATION PLAN
MR05.3	RECLAMATION PLAN
MR06.1	RECLAMATION DETAILS
MR06.2	RECLAMATION DETAILS

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WEST VIRGINIA 811
CALL BEFORE YOU DIG!
800.245.4848
WWW.WV811.COM

SWM
Production Company™

Jackson Surveying Inc.
TITLE SHEET
TS.1
SOUTHWESTERN PRODUCTION COMPANY LLC.
STATE OF WV DNR C BRK PAD
CROSS CREEK DISTRICT, BROOKE COUNTY, WV
OCTOBER 21, 2020