



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 3, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for STATE OF WV DNR B BRK 206H
47-009-00331-00-00

Adding lateral length

SWN PRODUCTION COMPANY, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a faint circular stamp.

James A. Martin
Chief

Operator's Well Number: STATE OF WV DNR B BRK 206H
Farm Name: STATE OF WEST VIRGINIA, BUREAU OF COMME
U.S. WELL NUMBER: 47-009-00331-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/3/2023

Promoting a healthy environment.

05/05/2023

WW-6B
(04/15)

API NO. 47-009
OPERATOR WELL NO. State of WV DNR B BRK 206H
Well Pad Name: State of WV DNR B BRK

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 02-Cross 620-Steubenville
Operator ID County District Quadrangle

2) Operator's Well Number: State of WV DNR B BRK 206H Well Pad Name: State of WV DNR B BRK

3) Farm Name/Surface Owner: State of WV, Bureau of Commerce, DNR Public Road Access: Tent Church Road

4) Elevation, current ground: 1201' Elevation, proposed post-construction: 1201'

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- 5756', Target Base TVD- 5822', Anticipated Thickness- 66', Associated Pressure- 3784

8) Proposed Total Vertical Depth: 5845'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 19845'

11) Proposed Horizontal Leg Length: 13037.27'

12) Approximate Fresh Water Strata Depths: 543'

13) Method to Determine Fresh Water Depths: Salinity calculations from DNR B 8H logs (API 47-009-00122) and nearby water wells

14) Approximate Saltwater Depths: 691' Nearby Well

15) Approximate Coal Seam Depths: 135'

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: _____
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Strader Gower
4/18/2023

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	621'	621'	724 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1480'	1480'	544 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	19845'	19845'	744 sx/100' inside Intermediate
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.380	2730	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	1.19/5% Excess
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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Travis Gower
4/18/2023

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): 13.50

22) Area to be disturbed for well pad only, less access road (acres): 9.31

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:

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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.

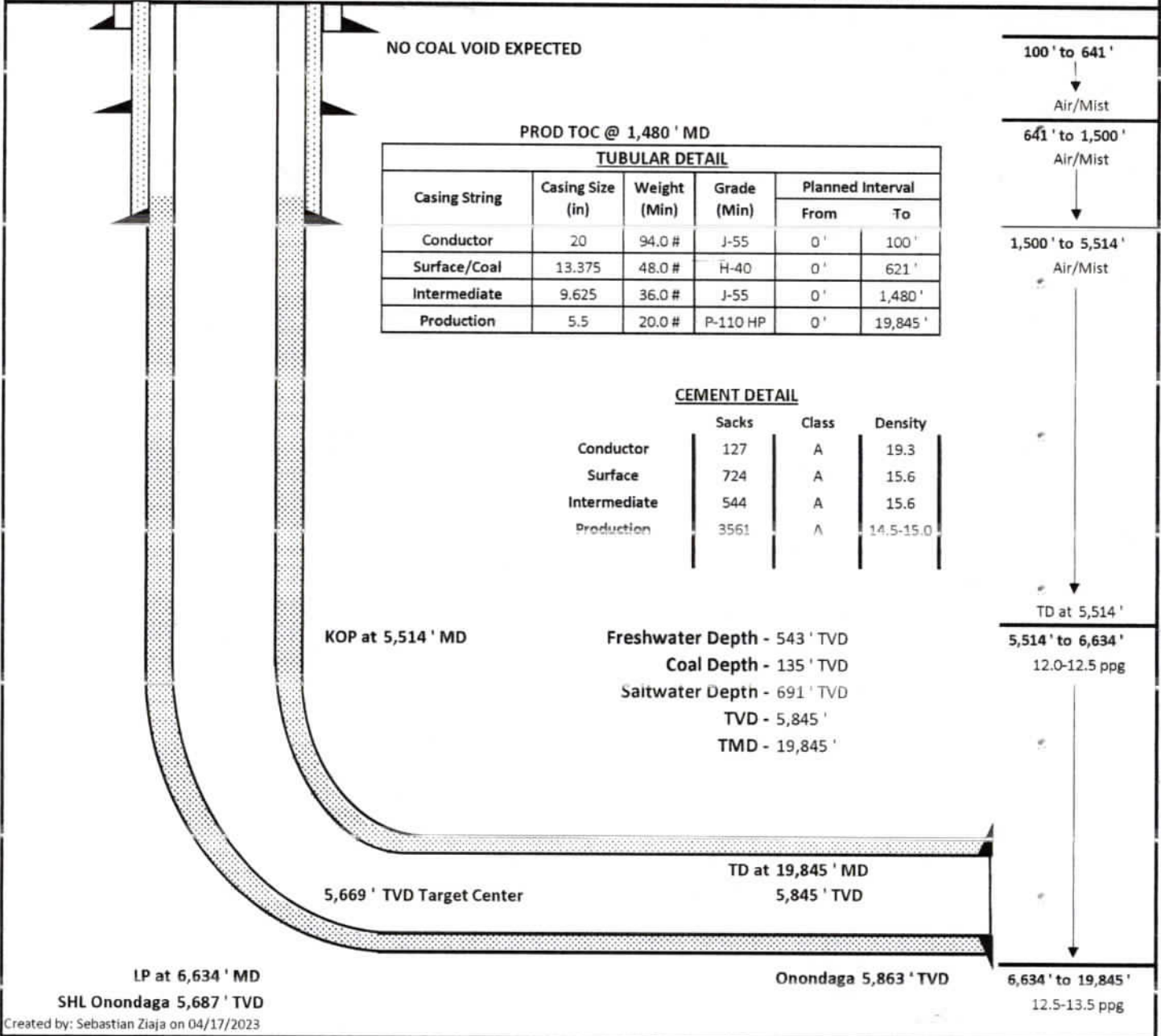
Southwestern Energy Company

Proposed Drilling Program



Well: STATE OF WV DNR B BRK 206
 Field: PANHANDLE FIELD WET
 County: BROOKE
 SHL (NAD83): 40.340915 Latitude -80.527751 Longitude
 BHL (NAD83): 40.304931 Latitude -80.519560 Longitude
 KB Elev: 1,227 ft MSL KB: 26 ft AGL

Re-entry Rig: SDC 40
 Prospect: Marcellus Shale
 State: WV
 GL Elev: 1,201 ft MSL



Strader Cowser
 4/18/2023

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State of WV DNR, B BRK 206H AOR

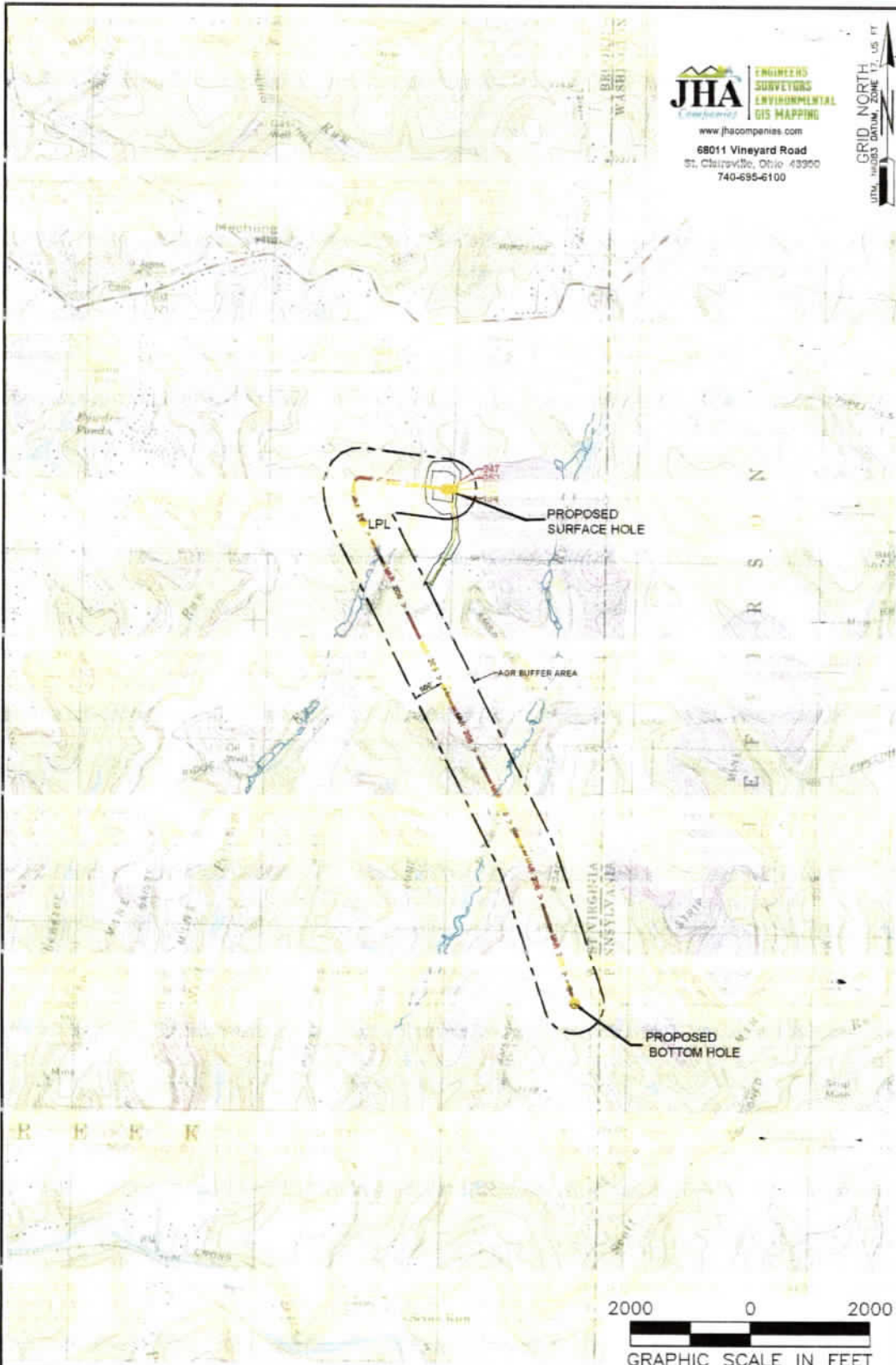
Api	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
47-009-00122	SWAN PRODUCTION COMPANY, LLC	ACTIVE	40.340880	-80.527758		MARCELLUS	
47-009-00134	SWAN PRODUCTION COMPANY, LLC	ACTIVE	40.340843	-80.527752		MARCELLUS	
47-009-00247	SWAN PRODUCTION COMPANY, LLC	ACTIVE	40.340883	-80.527862	579'	MARCELLUS	
47-009-00252	SWAN PRODUCTION COMPANY, LLC	ACTIVE	40.340801	-80.527754	5672'	MARCELLUS	

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NOTES ON SURVEY		LEGEND:	
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.		● PROPOSED SURFACE HOLE / BOTTOM HOLE	— NATURAL WATERWAY
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.		LPL ● LANDING POINT LOCATION	— ACCESS ROAD
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.		— FLOOD PLAIN	— PROPOSED PATH
		★ GAS WELL	--- AGR 500' BUFFER
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: STATE OF WV DNR B BRK	WELL # 206H
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: BROOKE/OHIO	SERIAL # XXXX
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR		CODE: 9	DISTRICT: CROSS CREEK
		USGS 7 1/2 QUADRANGLE MAP NAME: STUBENVILLE EAST	API # 47-000

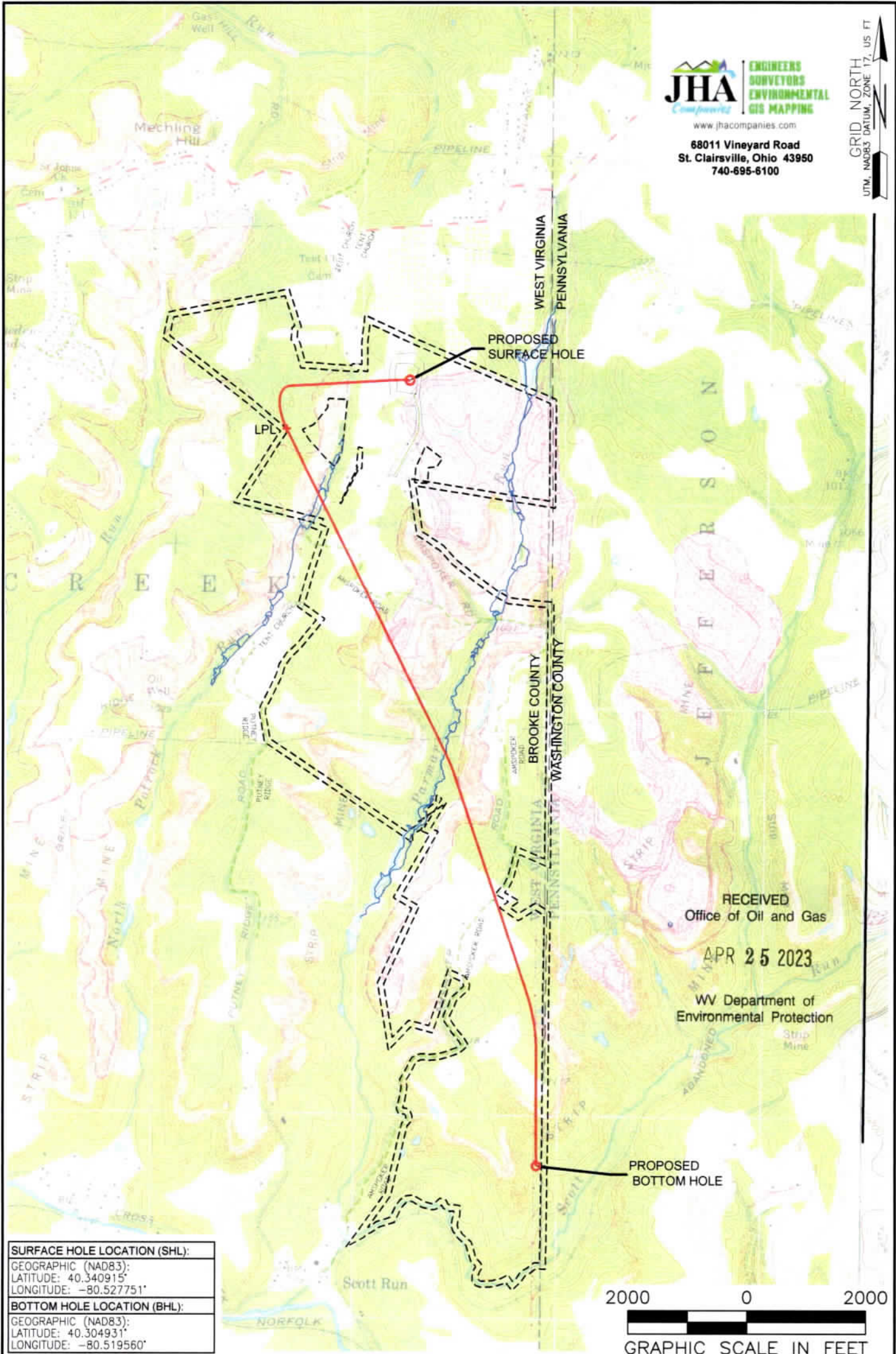
05/05/2023



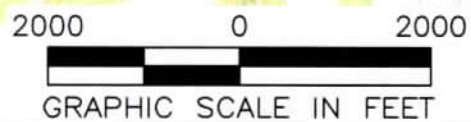
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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



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SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.340915°
LONGITUDE: -80.527751°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.304931°
LONGITUDE: -80.519560°

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
- LPL* LANDING POINT LOCATION
- 🌊 FLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

05/05/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: STATE OF WV DNR B BRK		WELL # 206H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: BROOKE/OHIO	CODE: 9	DISTRICT: CROSS CREEK	API # 47-009-XXXX
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR		USGS 7 1/2 QUADRANGLE MAP NAME: BETHANY, WV			

LATITUDE: 40°22'30" SURFACE HOLE (2000' SCALE)

7655'

5377'

LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE)

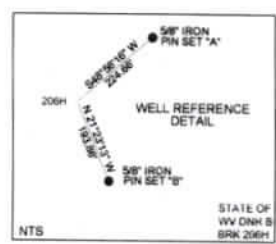
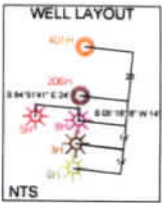
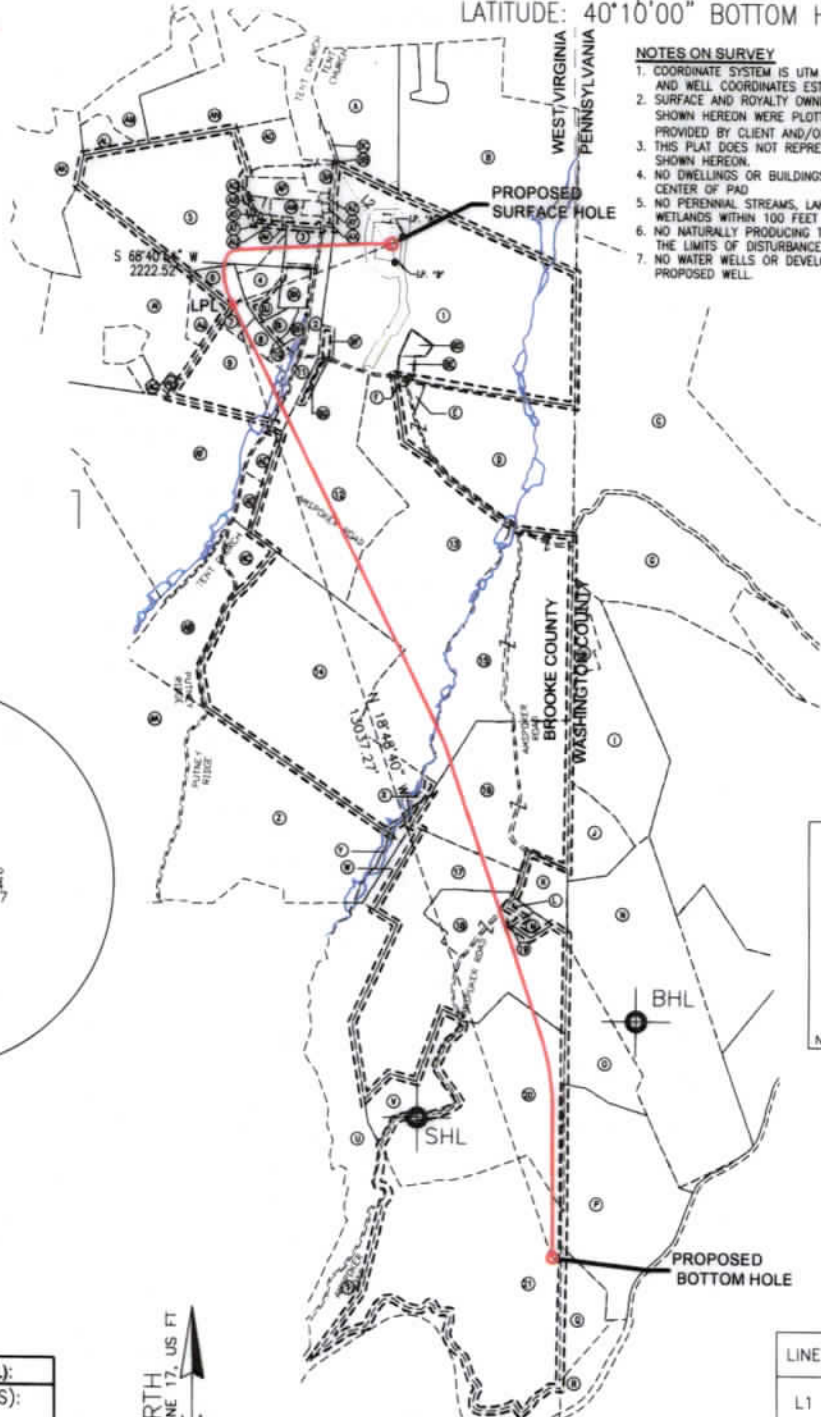


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740-695-6100

NOTES ON SURVEY

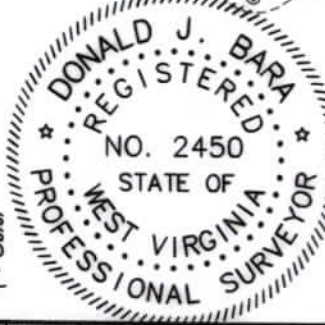
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



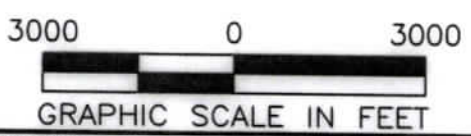
LONGITUDE: 80°35'00" BOTTOM HOLE (2000' SCALE)

LONGITUDE: 80°30'00" SURFACE HOLE (2000' SCALE)

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4465703.61
EASTING: 540109.92
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4465451.17
EASTING: 539483.57
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4461713.15
EASTING: 540827.28



LINE	BEARING	DISTANCE
L1	N05°41'26"E	676.49'
L2	N35°20'09"W	1260.66'



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. 2450

COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	STATE OF WV DNR B BRK OPERATOR'S WELL #: 206H API WELL #: 47 009 STATE COUNTY PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION <input checked="" type="checkbox"/> DEEP GAS <input checked="" type="checkbox"/> LIQUID INJECTION STORAGE SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO NORTH	ELEVATION: 1201.22'
DISTRICT: CROSS CREEK COUNTY: BROOKE/OHIO	SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	QUADRANGLE: STEUBENVILLE EAST
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	ACREAGE: ±169.43	ACREAGE: ±169.43
DRILL <input checked="" type="checkbox"/> DRILL DEEPER REDRILL FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION PERFORATE NEW FORMATION	CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)	ESTIMATED DEPTH: 5,845' TVD 19,845' TMD
TARGET FORMATION: MARCELLUS		05/05/2023

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

LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL * LANDING POINT LOCATION ⊕ EXISTING WATER WELL ⊕ EXISTING SPRING --- NATURAL WATERWAY --- SURVEYED BOUNDARY --- LEASE BOUNDARY --- PROPOSED PATH --- PUBLIC ROAD	REVISIONS: DATE: 04-19-2023 API NO: 47-009-XXXX DRAWN BY: Z. WOOD SCALE: 1" = 3000' DRAWING NO: 2017-541 WELL LOCATION PLAT
---	--

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

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

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

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

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

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

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

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

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

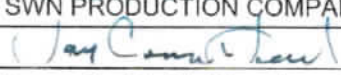
Well Operator: SWN PRODUCTION COMPANY, LLC
 By: 
 Its: Cooper Farish, Staff Landman

EXHIBIT "A"
Attached to and made a part of the State of West Virginia Oil & Gas Permit Form, WW-6A1
by SWN Production Company, LLC, Operator
State of West Virginia DNR B BRK 206H
Brooke County, WV

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	Interest Not Leased by SWN Production Company, LLC
1)	4-CC16-019.00	Starvaggi Industries, Inc.	Fortuna Energy Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
2)	4-CC16-016.00	Danny D. Tice and Marcia Tice	Chesapeake Appalachia, LLC	12.50%	18/430 30/480	0.000000%
3)	4-CC16-026.01	Justin L. Schwerfeger	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	18/770 30/480	0.000000%
4)	4-CC16-027.00	Arrissa M. Suter and Kenneth A. Cochran	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	27/641 30/480	0.000000%
5)	4-CC16-054.01	Matthew C. and Holly W. Lewis	Great Lakes Energy Partners, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/810 10/552 30/480	0.000000%
6)	4-CC16-028.00	Neil E. Jr., and Michelle L. Vancamp	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	17/794 30/480	0.000000%
7)	4-CC16-033.00	William Richard Wills	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	18/434 30/480	0.000000%
8)	4-CC16-031.00	Jason P. Nuzum	Chesapeake Appalachia, LLC SWN Production Company, LLC	15.00%	18/77 30/480	0.000000%
9)	4-CC16-025.00	Lawrence and Jill Mazzella	Chesapeake Appalachia, LLC SWN Production Company, LLC	14.00%	10/656 30/480	0.000000%
10)	4-CC12-054.00	Timothy S. Hooper and Stacy Hooper, husband and wife	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	21/382 30/480	0.000000%
11)	4-CC16-013.00	Royalty Owner	N/A	N/A	N/A	12.037140%
		Darwin L. Molnar	Chesapeake Appalachia, LLC	18%	21/342	
		Douglas A. Molnar	SWN Production Company, LLC	18%	30/480	
		Duane S. Molnar	Chesapeake Appalachia, LLC	18%	21/346	
		Ardelle L. Molnar	SWN Production Company, LLC	18%	30/480	
		Mary Haas	Chesapeake Appalachia, LLC	18%	21/356	
		Marsha Daugherty	SWN Production Company, LLC	18%	30/480	
		James Russell Molnar	Chesapeake Appalachia, LLC	18%	21/390	
		Michael J. Rocky III	SWN Production Company, LLC	18%	30/480	
		Margaret Delph	Chesapeake Appalachia, LLC	18%	62/668	
		Virginia I. Molnar	SWN Production Company, LLC	18%	62/692	
		Martha Kuntz	SWN Production Company, LLC	18%	62/662	
		Nedra Ketch Lowe	SWN Production Company, LLC	18%	62/680	
		David A. Molnar	SWN Production Company, LLC	18%	62/671	
		Arnie Molnar Becker	SWN Production Company, LLC	18%	62/694	
		Albert John Molnar	SWN Production Company, LLC	18%	62/788	
		Adam Rowe	SWN Production Company, LLC	18%	62/782	
		Mary Mason	SWN Production Company, LLC	18%	62/704	
		Alica Powell Daniels	SWN Production Company, LLC	18%	63/13	
		James A. Molnar II	SWN Production Company, LLC	18%	63/7	
		Shawn R. Hatch	SWN Production Company, LLC	18%	63/1	
		Steffany McBride	SWN Production Company, LLC	18%	62/770	
		Cathy M. Molnar	SWN Production Company, LLC	18%	62/776	
		Patricia Hinerman	SWN Production Company, LLC	18%	64/57	
		Dennis Duckworth	SWN Production Company, LLC	18%	63/75	
		Craig Molnar	SWN Production Company, LLC	18%	63/69	
		Collene Molnar	SWN Production Company, LLC	18%	63/63	
			SWN Production Company, LLC	18%	63/87	
			SWN Production Company, LLC	18%	63/81	
			SWN Production Company, LLC	18%	63/51	
			SWN Production Company, LLC	18%	63/93	
12)	4-CC16-011.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
13)	4-CC16-029.01	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
14)	4-CC16-008.01	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
15)	4-CC16-023.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
16)	4-CC16-024.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
17)	4-CC20-027.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
18)	4-CC20-030.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
19)	4-CC20-028.00	Richard Goodman, widower	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	9/532 10/226 10/541 38/422	0.000000%
20)	4-CC20-031.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%
21)	4-CC20-025.00	Starvaggi Industries, Inc.	Fortuna Energy, Inc. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480	0.000000%

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WV Department of
Environmental Protection

05/05/2023



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

April 20, 2023

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 B BRK 206H in Brooke County, West Virginia, Drilling under Tent Church Road and Amspoker Road.

Dear Mr. Brewer:

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

Thank you.

Sincerely,

Name
Cooper Farish – Staff Landman
SWN Production Company, LLC

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25 2023

WV Department of
Environmental Protection



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

05/05/2023



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

April 24, 2023

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

*OK # 0001074065
+ 5,000 -*

RE: Proposed Expedited Mod: State of WV DNR B BRK 206H

Dear Mr. Brewer:

Enclosed please find the required documents to modify this well. We would like to modify these wells by extending the lateral. This well is situated on the DNR B's property, in Cross Creek District, Brooke County, West Virginia.

Enclosed you will find:

- 6B
- WBD
- Mylar
- 6A1

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

Thank you.

Sincerely,

Brittany Woody
Staff Regulatory Specialist
Southwestern Energy Production Company, LLC

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Wiseley Investing the cash flow from our
underground gas storage. Blue+SM

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