



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

Tuesday, June 27, 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 401H
47-009-00333-00-00

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.



James A. Martin
Chief

Operator's Well Number: STATE OF WV DNR B BRK 401H
Farm Name: STATE OF WEST VIRGINIA BUREAU OF COMMERCE
U.S. WELL NUMBER: 47-009-00333-00-00
Horizontal 6A New Drill
Date Modification Issued: 6/27/2023

Promoting a healthy environment.

06/30/2023

CK# 0001073937
5060⁰⁰
Exp Mod

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 401H 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, Up-Dip well to the South, Target Top TVD- 5608', Target Base TVD- 5673', Anticipated Thickness- 65', Associated Pressure- 3687

8) Proposed Total Vertical Depth: 5664'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 28466'

11) Proposed Horizontal Leg Length: 21829.34'

12) Approximate Fresh Water Strata Depths: 543'

13) Method to Determine Fresh Water Depths: Salinity Calculations- nearby well (47-009-00247)

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: _____

RECEIVED
Office Of Oil and Gas

JUN 08 2023

WV Department of
Environmental Protection

Strader Gower
5/26/2023

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'	687 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1480'	1480'	517 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	28466'	28466'	<small>Tail 5517sz/ 100' inside intermediate</small>
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:				

Strader Gower
5/26/2023

WW-6B
(10/14)

API NO. 47- 009 -

OPERATOR WELL NO. State of WV DNR B BRK 401H

Well Pad Name: State of WV DNR B BRK

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 unites, 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:

See Attachment ***

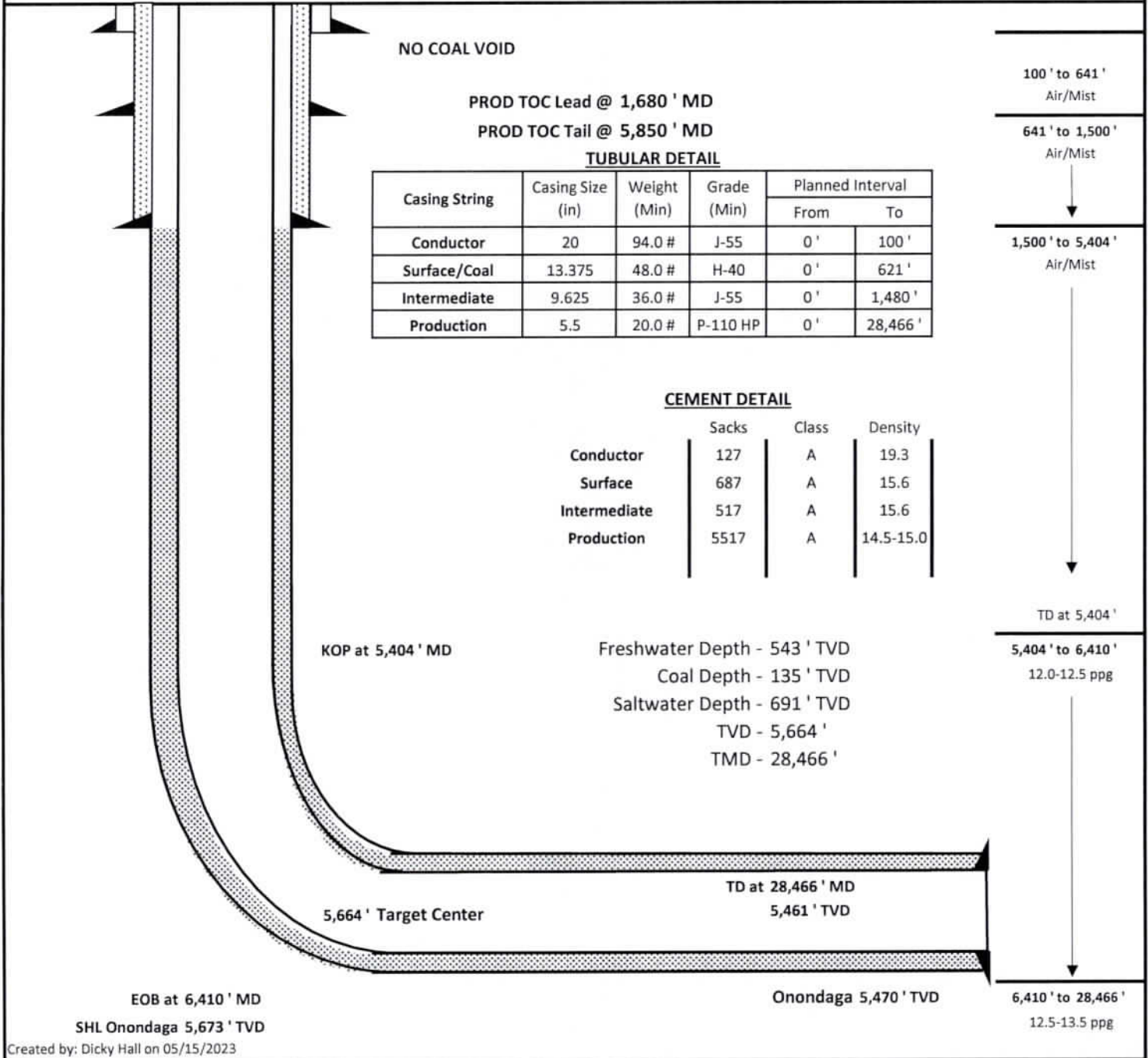
25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

Southwestern Energy Company	Proposed Drilling Program
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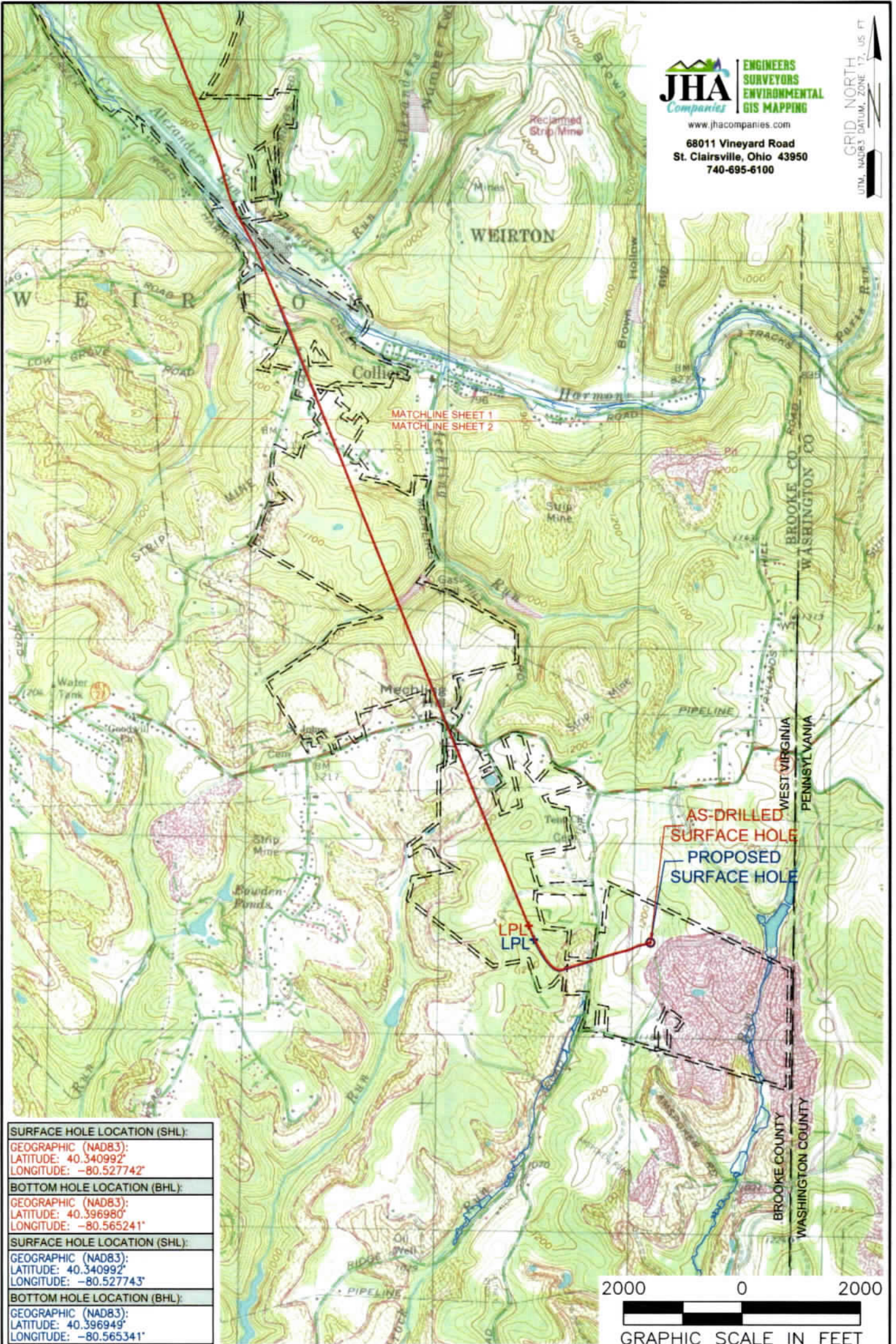
Well: STATE OF WV DNR B BRK 401 Field: PANHANDLE FIELD WET County: BROOKE SHL: 40.3410 Latitude -80.5277 Longitude BHL: 40.3969 Latitude -80.5653 Longitude KB Elev: 1,227 ft MSL KB: 26 ft AGL	Re-entry Rig: SDC 40 Prospect: Marcellus Shale State: WV GL Elev: 1,201 ft MSL
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Strader Gower
5/26/2023

JHA Companies
ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.340992°
LONGITUDE: -80.527742°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.396980°
LONGITUDE: -80.565241°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.340992°
LONGITUDE: -80.527743°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.396949°
LONGITUDE: -80.565341°

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:

- EXISTING BOTTOM HOLE
- ⊙ EXISTING / PRODUCING WELLHEAD
- LPL★ EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL★ PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAN
- AS DRILLED PATH
- PROPOSED PATH

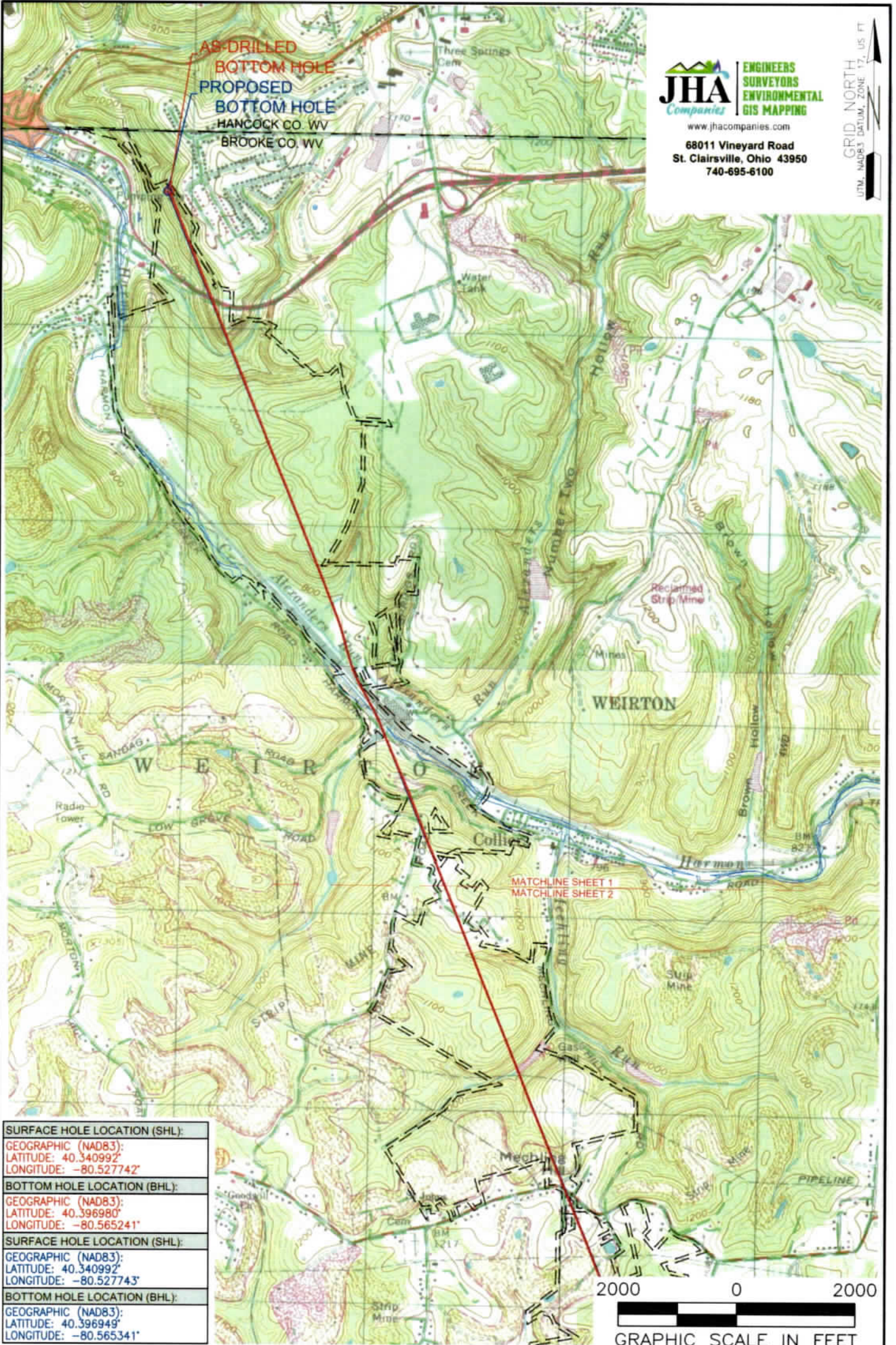
06/30/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: STATE OF WV DNR B BRK	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE/OHIO	CODE: 009	DISTRICT: CROSS CREEK
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	USGS 7 1/2 QUADRANGLE MAP NAME: STUEBENVILLE EAST		
API # 47-009-00333			



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St. Clairsville, Ohio 43950
740-695-6100

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.340992' LONGITUDE: -80.527742'
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.396980' LONGITUDE: -80.565241'
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GEOGRAPHIC (NAD83): LATITUDE: 40.340992' LONGITUDE: -80.527743'
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.396949' LONGITUDE: -80.565341'

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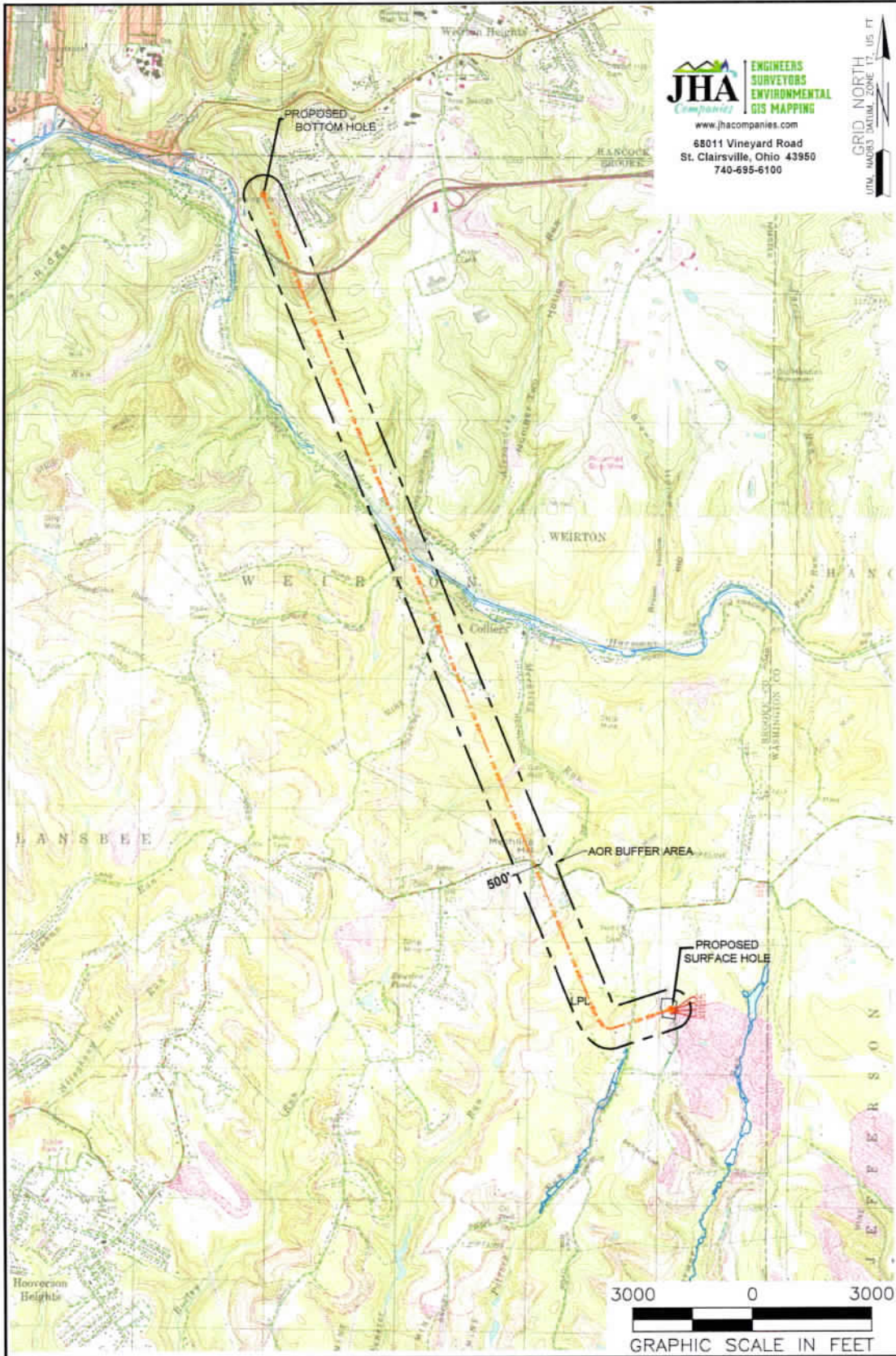
LEGEND:

- EXISTING BOTTOM HOLE
- ⊙ EXISTING / PRODUCING WELLHEAD
- LPL ● EXISTING LANDING POINT LOCATION
- LPL ● PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL ● PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAN
- AS DRILLED PATH
- PROPOSED PATH



06/30/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: STATE OF WV DNR B BRK	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE/OHIO	CODE: 009	DISTRICT: CROSS CREEK
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	USGS 7 1/2 QUADRANGLE MAP NAME: STUEBENVILLE EAST		



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

NOTES ON SURVEY

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LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL* LANDING POINT LOCATION
- FLOOD PLAN
- ☆ GAS WELL
- NATURAL WATERWAY
- ACCESS ROAD
- PROPOSED PATH
- - - AOR 500' BUFFER

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: STATE OF WV DNR B BRK		WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: BROOKE/OHIO	CODE: 9	DISTRICT: CROSS CREEK	API # 47-000
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR		USGS 7 1/2 QUADRANGLE MAP NAME: STUBENVILLE EAST			

06/30/2023

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

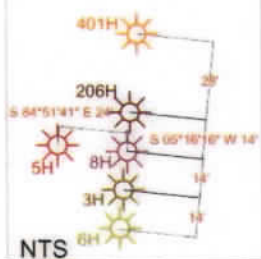
7785'



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WELL LAYOUT



NTS



LATITUDE: 40°25'00" BOTTOM HOLE (2000' SCALE)

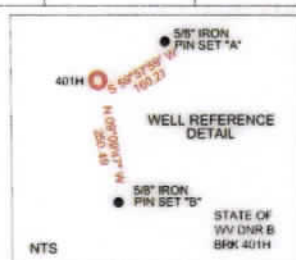
6613'

AS-DRILLED
BOTTOM HOLE
PROPOSED
BOTTOM HOLE
HANCOCK CO. WV
BROOKE CO. WV
INSET I

NOTES ON SURVEY

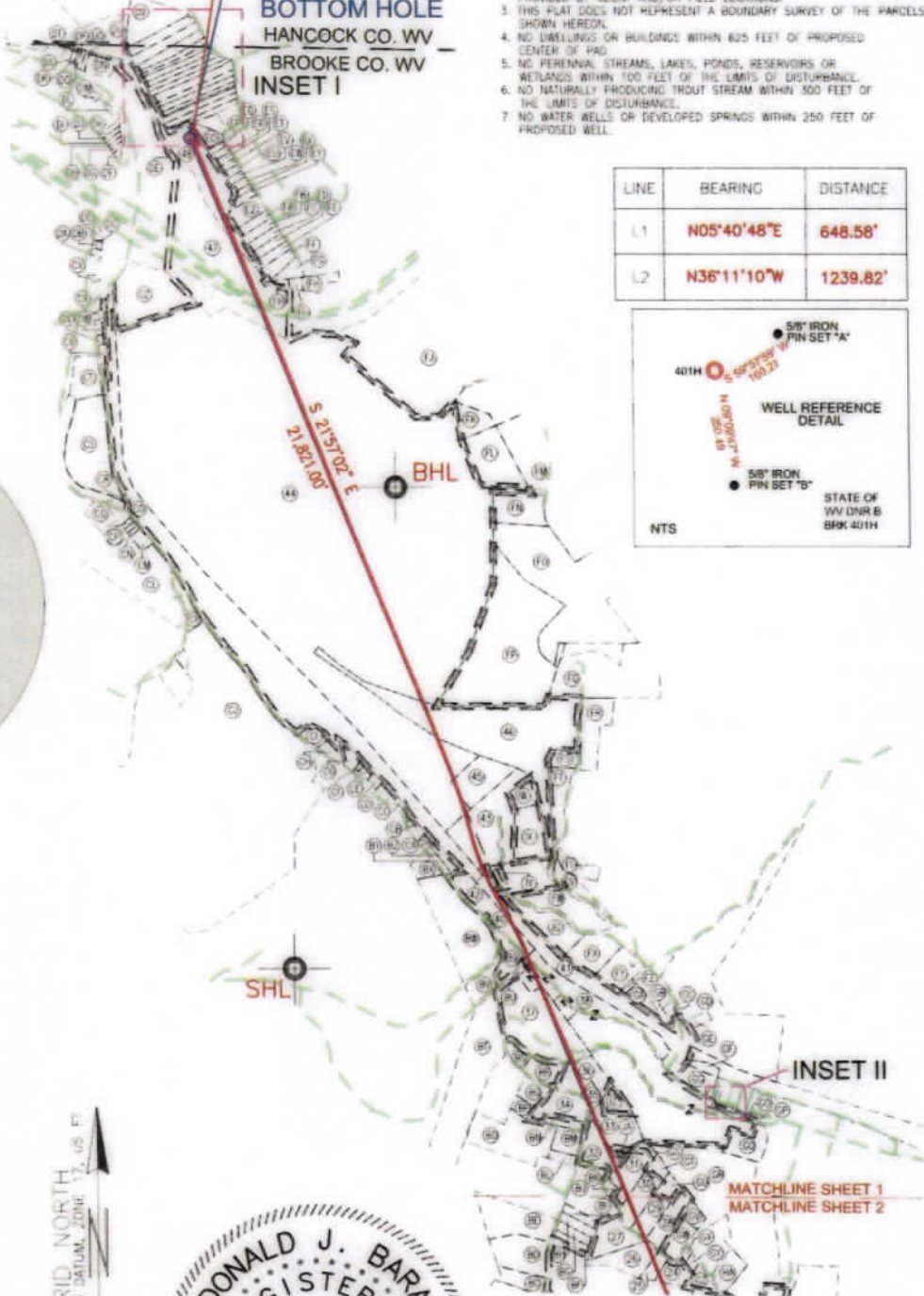
- COORDINATE SYSTEM IS UTM NAD 83 GANIM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT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

LINE	BEARING	DISTANCE
L1	N05°40'48"E	648.58'
L2	N36°11'10"W	1239.82'



NTS

STATE OF WV DNR B BRK 401H



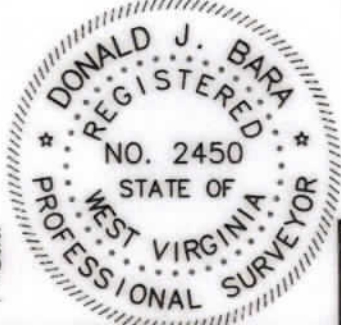
LONGITUDE: 80°32'30" BOTTOM HOLE (2000' SCALE)

7111'

12423'

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

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465712.12 EASTING: 540110.62
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465786.46 EASTING: 539483.41
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4471910.30 EASTING: 536895.14
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465712.15 EASTING: 540110.53
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465715.51 EASTING: 539511.54
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4471908.88 EASTING: 536886.69



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 SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	STATE OF WV DNR B BRK OPERATOR'S WELL #: 401H API WELL #: 47 009 00333 STATE COUNTY PERMIT
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WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO NORTH	ELEVATION: 1201.3'
DISTRICT: CROSS CREEK	COUNTY: BROOKE/OHIO	QUADRANGLE: STEUBENVILLE EAST
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	ACREAGE: ±169.43	ACREAGE: ±169.43
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 5,664 TVD 28,466 TMD	06/30/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
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LEGEND: ○ EXISTING BOTTOM HOLE ○ EXISTING / PRODUCING WELLHEAD ○ EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ○ PROPOSED LANDING POINT LOCATION — ACCESS ROAD — PUBLIC ROAD — FLOOD PLAN — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH	REVISIONS: DATE: 05-31-2023 API NO: 47-009-00333 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-541 WELL LOCATION PLAT
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LATITUDE: 40°22'30" SURFACE HOLE (2000' SCALE)

7785'

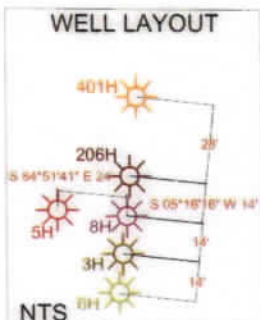
LATITUDE: 40°25'00" BOTTOM HOLE (2000' SCALE)

6613'



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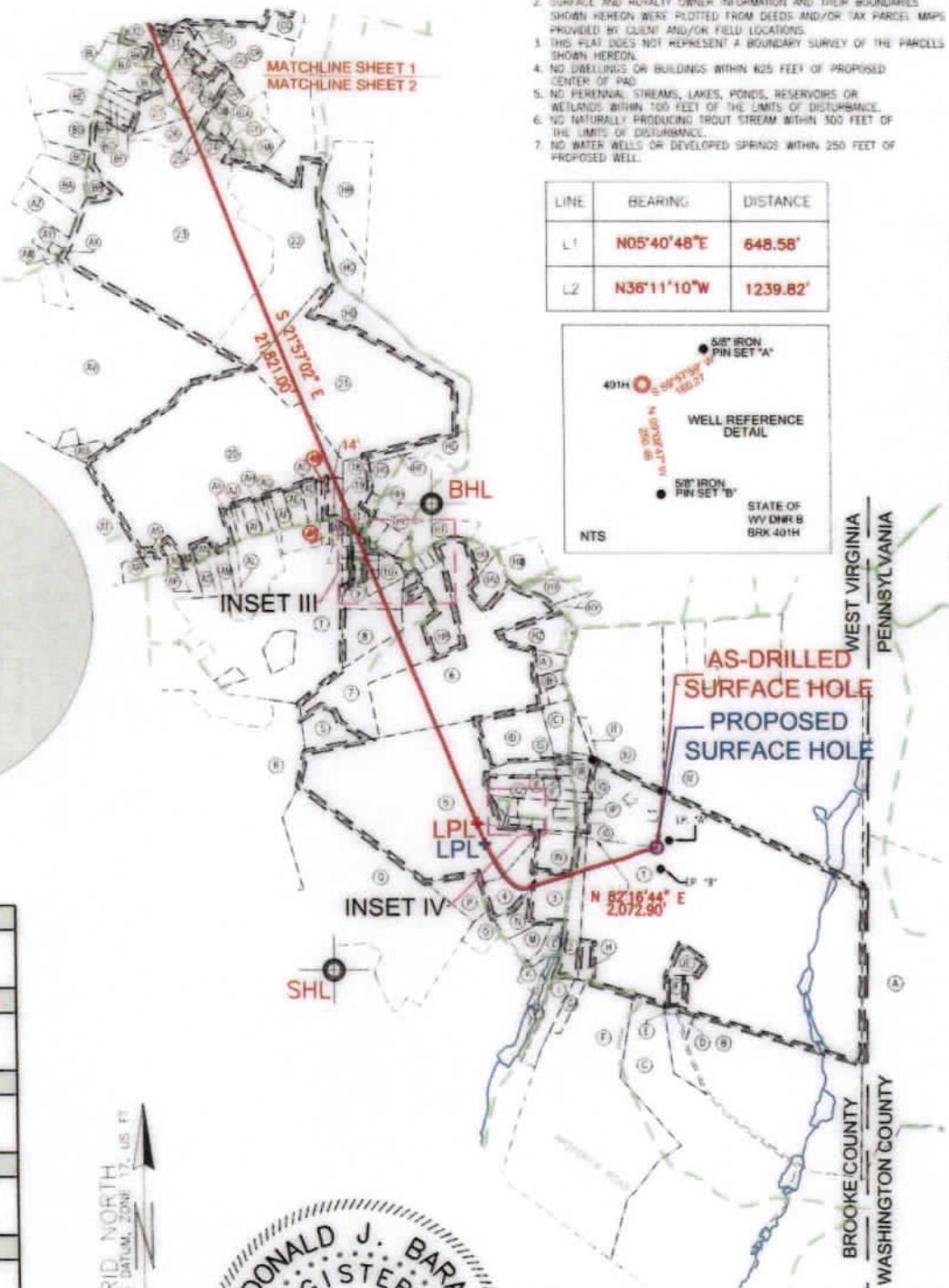
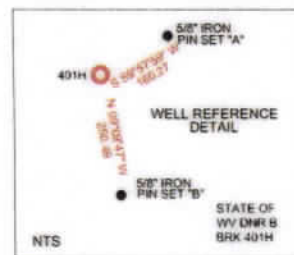
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



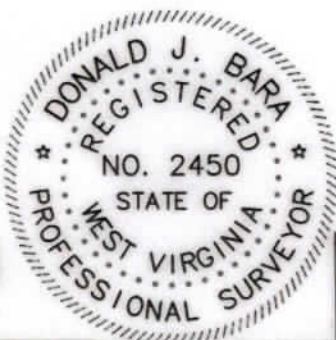
NOTES ON SURVEY

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- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

LINE	BEARING	DISTANCE
L1	N05°40'48"E	648.58'
L2	N36°11'10"W	1239.82'



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COMPANY: **SWN** Production Company, LLC

STATE OF WV DNR B BRK
OPERATOR'S WELL #: 401H
API WELL #: 47 009 00333
STATE COUNTY PERMIT

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

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: UPPER OHIO NORTH
DISTRICT: CROSS CREEK COUNTY: BROOKE/OHIO
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR
ELEVATION: 1201.3'
QUADRANGLE: STEUBENVILLE EAST
ACREAGE: ±169.43
ACREAGE: ±169.43
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,664' TO 28,466' TMD

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

LEGEND: ● EXISTING BOTTOM HOLE ○ EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION		REVISIONS:	DATE: 05-31-2023 API NO: 47-009-00333 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-541 WELL LOCATION PLAT
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WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
1	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION (S/R)	4-CC16-19	A	MCDERMITT ARTHUR C JR,	380-8-7-1
			B	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-22
			C	ST OF WV BUREAU OF COMM-DNR PUBLIC LAND CORP	4-CC16-23.1
2	TICE DANNY D & MARCIA (SURV)	4-CC16-16	D	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-20
3	FAMILY CONNECTIONS INC	4-CC16-26	E	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-21
4	SUTER ARISSA M; COCHRAN KENNETH A (SURV)	4-CC16-27	F	WEST VIRGINIA ST OF BUREAU DIV OF COMM DIV OF NAT RES PB LD	4-CC16-11
5	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-54.1	G	PAULES DONNA K	4-CC16-14
6	LANTZ SUSAN PORCH	4-C12J-28	H	CUNNINGHAM TIMOTHY BRIAN	4-CC16-15
7	DENNIS TAWNIA R	4-C12J-33	I	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
8	DENNIS TAWNIA R	4-C12J-42	J	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
9	TRUJEX MARK	4-C12J-41	K	HOOPER TIMOTHY S & STACY (SURV)	4-CC12-54
10	TRUJEX MARK	4-C12J-36	L	TENNANT WILLIAM J & APRIL L (JTWS)	4-CC16-34
11	RICHMOND TRACY S	4-C12J-40	M	ABATE ALICIA F	4-CC16-30
12	YANDRICH PATRICIA ANN	4-C12J-39	N	STECIK KIRK & BRANDY L JTWS	4-CC16-29
13	MCCLAIN RONALD W & TAMMY	4-C12J-38	O	WILLS KENNETH 1/3 WILLS TED 1/3 ELLERY DONNA 1/3	4-CC16-33
14	SMITH DANIEL LOUIS & JUDITH ANN	4-C12J-46	P	VANCAMP NEIL E JR & MICHELLE L (SURV)	4-CC16-28
15	CEBULA NICHOLAS; DEBORAH L (SURV)	4-C12J-47	Q	MAROSI PAUL	4-CC16-1
16	LEE DOUGLAS; HEADMOND DANA M (SURV)	4-C12J-48	R	IVILL LIVING TRUST CHERYL TRUSTEE	4-C115-58
17	CAPRARESE ANDREW W	4-C12J-5	S	DENNIS TAWNIA R	4-CC12-62
18	EVANS BRAD A & MELISSA JO (SURV)	4-C12J-4	T	PETREL IRREV TRUST 7/25/13 PETREL NANCY, TRUSTEE	4-C11M-34
19	KEISTER PHILLIP DANIEL; DAVID LEE (LE-JUDY KEISTER)	4-C12J-3	U	PETROSKY STANLEY L & SANDRA M (SURV) (TUD)	4-C12J-54
20	SECRIST MARK C JR & MARY E (SURV)	4-C11M-5	V	PETROSKY STANLEY & SANDRA M (SURV) (TUD)	4-C12J-53
21	PETREL IRREVOCABLE TR AGREE DTD 7/25/13	4-CC12-5	W	PETROSKY STANLEY & SANDRA M (SURV) (TUD)	4-C12J-52
22	FREESTAR ENERGY GROUP	4-CC11-78	X	SNATCHKO JOHN & CARRIE (SURV)	4-C12J-51
23	MCCASLAND JEFFREY PAUL & NANCY DARLENE	4-CC11-79	Y	DIVENANZO FRANCO	4-C12J-50
24	MUSICO LARA DONNA; MOTT APRYL DAWN (LE-JOSEPH MUSICO)	4-CC11-72	Z	STEVENS STEFANIE & SANDRETH CODY (SURV)	4-C12J-49
25	BENNETT CARLETON-1/2 WINLAND DONNA; BENNET EARL;	4-CC11-71	AA	KERNS JAMES M	4-C12J-57
26	TOMES DEBBIE	4-CC75-17	AB	REMOVED	REMOVED
27	DULANEY CARL G JR	4-CC75-16	AC	MCLAUGHLIN KENNETH J JR AMY M (SURV)	4-C12J-1
28	DOAK BRIAN R	4-CC75-24	AD	CAIN GLENN JR & VALERIE C (SURV)	4-C11M-12
29	DULANEY CARL G JR	4-CC75-25	AE	GASTON LARRY J & TINA C DINIACO GASTON (SURV)	4-C11M-11
30	DULANEY CARL G JR	4-CC75-27	AF	REALE MICHAEL N	4-C11M-5.2
31	DAVIS ROBERT E & SHARON (SURV)	4-CC75-15	AG	REALE MICHAEL N	4-C11M-10
32	DAVIS ROBERT E & SHARON E (SURV)	4-CC75-30	AH	MESTER LUKE A	4-C11M-9
33	KIMBALL KENNETH L & RICHARD E (JTWS)	4-CC75-31	AI	MESTER LUKE A	4-C11M-8
34	MAASKANT BELINDA; RICHTER STEVEN	4-CC75-2	AJ	GRIMM STEPHEN R & TAMERA K	4-C11M-7
35	KIMBALL KENNETH L & APRIL L (SURV)	4-CC75-33	AK	GRIMM STEPHEN R & TAMERA K (SURV)	4-C11M-6
36	KIMBALL KENNETH & APRIL L	4-CC75-34	AL	LATIMER ROBERT S	4-C11M-23
37	BROWNING DAVID S & LORI L	4-CC7-28	AM	LEMASTERS MARY L	4-C11M-24
38	VALERO ENER SERV LLC	4-CC7-27	AN	CONN ROBERT W	4-C11M-5.1
39	METALICO COLLIERS REALTY INC A WV CORP	4-CC7-31.1	AO	RAHR JAMES W	4-C11M-26
40	APERFINE JOSEPH P SR	4-CC7-31.2	AP	MCVICKER MATTHEW A & ASHLEY G (JTWS)	4-C11M-27
41	WV STATE RAIL AUTHORITY	6-W8-48	AQ	GOURLEY GERALD E	4-C11M-4
42	STARVAGGI INDUSTRIES	6-W7-12	AR	ST JOHNS EPISCOPAL CHURCH	4-C11M-3
43	BOYER (COOK) ELIZABETH; SCHILL APRIL (SURV)	6-W7-3	AS	OLDE ST JOHN'S EPISCOPAL CHURCH, TRUSTEES OF	4-C11M-5.3
44	BROWNLEE LAND VENTURES LP	6-W3-4	AT	SECRIST MARK C JR & MARY E JTWS	4-C11M-1
45	TESLOVICH BRIAN	6-W7-2	AU	LIZON MELISSA MAY	4-CC11-85
46	HVIZDAK GEORGE D	6-W7-21	AV	GRIFFITH SUSAN BETH MCBRIDE & MCBRIDE WYLIE JR	4-CC11-83
47	STATE OF WEST VIRGINIA, DIVISION OF HIGHWAYS	US ROUTE 22	AW	JONES DUANE W	4-CC11-65.1
48	STARVAGGI INDUSTRIES	6-W3F-47	AX	VIRTUE DANIEL R & DIANE (SURV)	4-CC11-66
49	KERNS ROBERT L JR (LE-PEGGY A STILLWELL)	4-C12J-2	AY	VIRTUE DANIEL R & DIANE L (SURV)	4-CC11-67
			AZ	LYONS JEFFREY C CASEY L (JTWS)	4-CC11-68
			BA	HARRIS DONALD E & LOIS J (SURVIVORSHIP)	4-CC11-69
			BB	WORSTELL WALTER L & JAMES L (SURV)	4-CC11-79.1
			BC	KNOX JEFF	4-CC11-96
			BD	STILLSON ROSEMARY	4-CC75-10
			BE	UNDERWOOD JOSEPH D	4-CC75-9
			BF	STROPE LOLA	4-CC75-11
			BG	VIRTUE DANIEL & DIANE (SURV)	4-CC75-12
			BH	LONG JASON R & JANET	4-CC75-13
			BI	LONG JASON R & JANET ANN	4-CC75-14
			BJ	DAVIS ROBERT E & SHARON (SURV)	4-CC75-15
			BK	SLOSS RAYMOND T & VERONICA K (SURV)	4-CC75-29
			BL	DULANEY CARL G	4-CC75-4
			BM	STEWART THOMAS A	4-CC16-25.1



06/30/2023

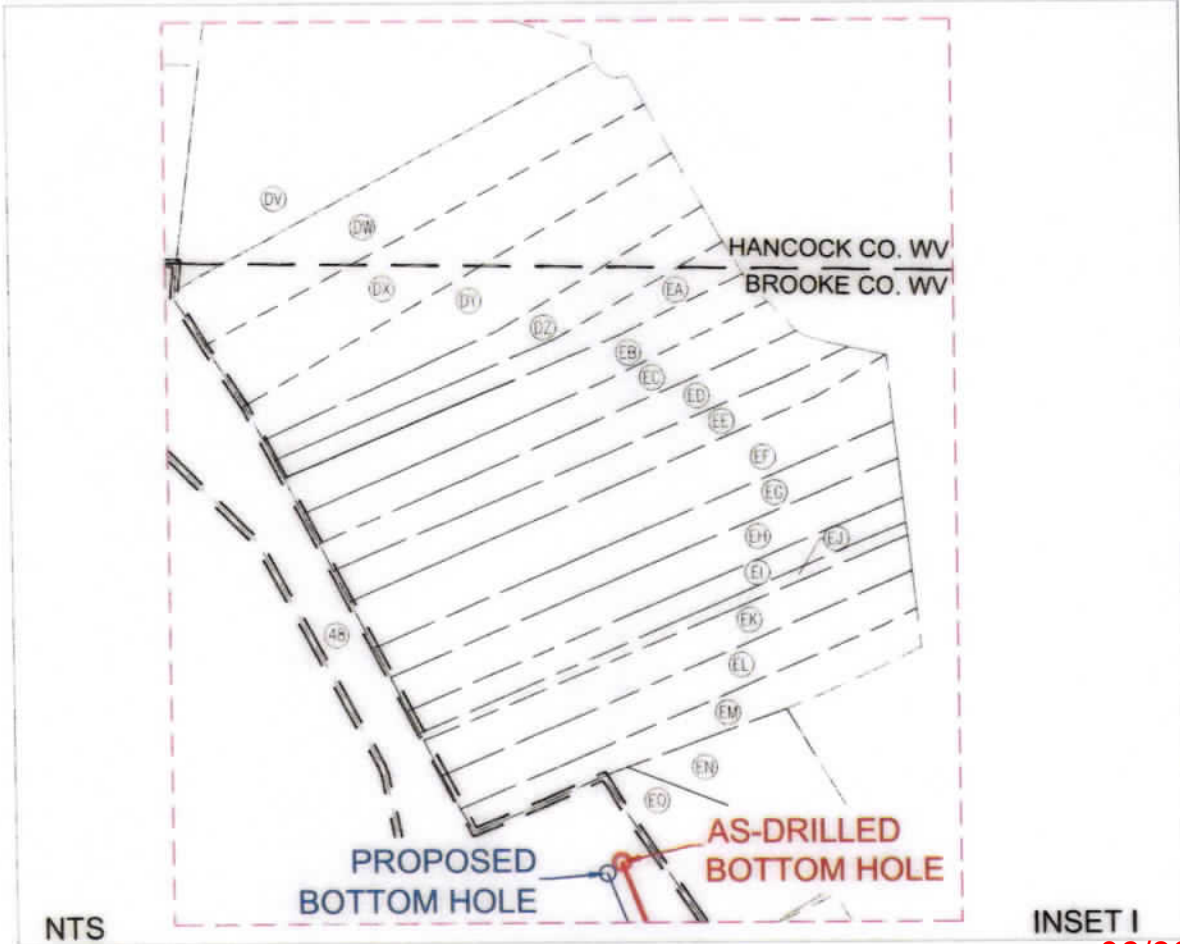
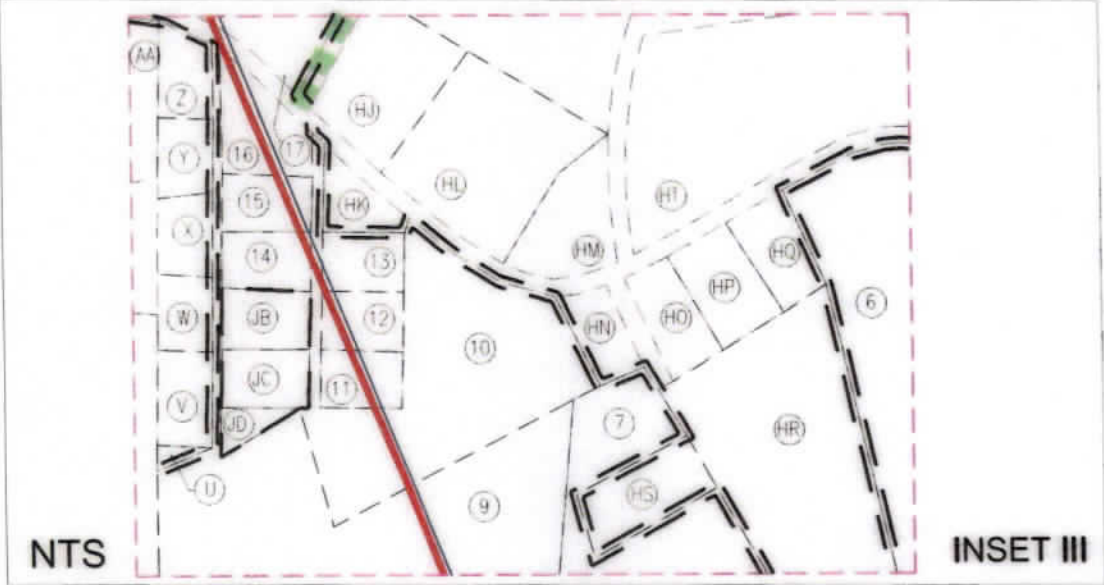
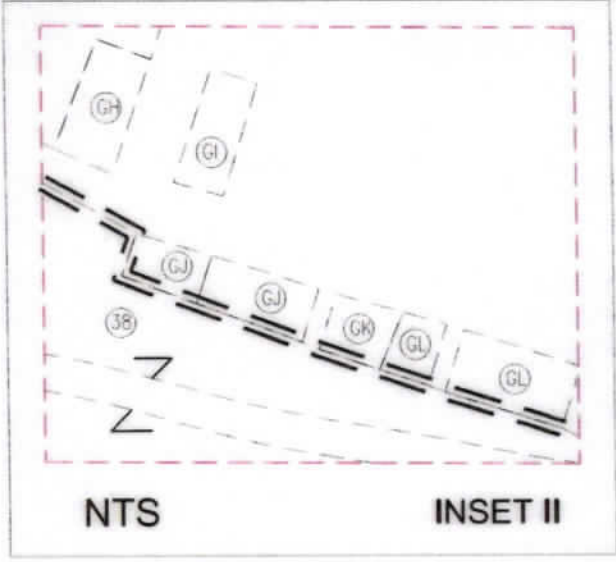
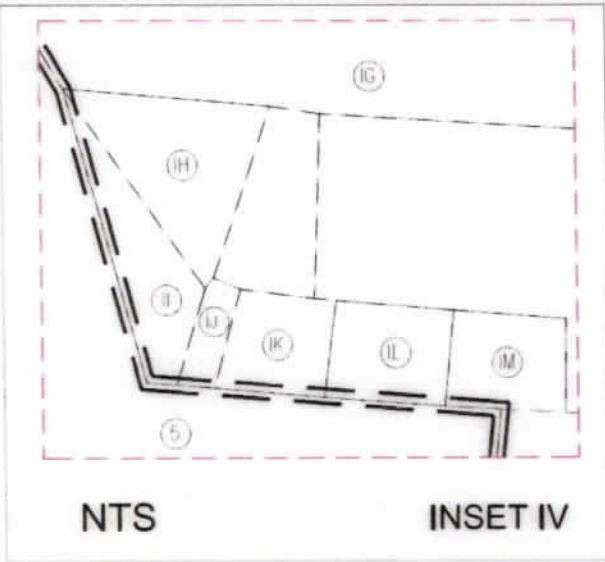
REVISIONS:

COMPANY:					
OPERATOR'S		STATE OF WV DNR B BRK		DATE: 05-31-2023	
WELL #:		401H		API NO: 47-009-00333	
DISTRICT:		CROSS CREEK		DRAWN BY: Z. WOOD	
COUNTY:		BROOKE/OHIO		SCALE: N/A	
STATE:		WV		DRAWING NO: 2017-541	
WELL LOCATION PLAT					

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
GN	DAVIS JEFFREY A	4-CC75-63	JA	DAVIS ROBERT E & SHARON E	4-CC75-31.1
GO	DAVIS JEFFREY A	4-CC75-64	JB	PETROSKY STANLEY & SAUNDRA (SURV) (TUD)	4-C12J-45
GP	DAVIS JEFFREY A	4-CC75-63	JC	TAVERNE LISA M	4-C12J-44
GQ	ROBINSON FAMILY REV TRUST TRUS-ROBINSON WESLEY & EVELYN	4-CC75-68	JD	TAVERNE LISA M	4-C12J-43
GR	MERRIFIELD DONNA ROBINSON ROXANN L	4-CC8N-79.8	JE	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-18
GS	UNKNOWN	UNKNOWN	IF	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-17
GT	DULANEY CARL G JR	4-CC75-28	JG	REED LARRY E.	6-W7M-1
GU	DULANEY CARL G JR	4-CC75-26	JH	MCLAUGHLIN KENNETH J JR	4-C12J-1
GV	DOAK BRIAN R	4-CC75-21			
GW	TRUOX MARK LLOYD	4-CC75-23			
GX	MUSICO LARA DONNA;MOTT APRYL DAWN(LE-JOSEPH MUSICO)	4-CC11-99			
GY	GORAY DAVID ALLEN	4-CC11-73			
GZ	PERRONE JAMES & SHANAH S (SURV)	4-CC11-74			
HA	VINCENT CLINTON & CARLETTA	4-CC11-75			
HB	MERRIFIELD DONNA ROBINSON ROXANN L	4-CC12-10			
HC	SZYMANEK THOMAS J. PATE JOHN	4-CC11-78			
HD	SZYMANEK THOMAS J & PAMELA K (SURV)	4-CC12-61			
HE	RICE GEORGE SCOTT; MCGARY AMY JOY (SURV)	4-CC12-59			
HF	EVANS BRAD A & MELISSA J (SURV)	4-CC12-1			
HG	RIGGS CHARLES WILLIAM & MICHELLE LYNN (JTWS)	4-CC12-2			
HH	CAPRARESE ANDREW W	4-C12J-6			
HI	PETREL NANCY; DAVID; BRUCE WIRT LISA (LE-NANCY PETREL)	4-C12J-11			
HJ	PETREL NANCY; DAVID; BRUCE WIRT LISA (LE-NANCY PETREL)	4-C12J-12			
HK	MCCLAIN RONALD WARD & TAMMY JTWS	4-C12J-37			
HL	PETREL NANCY; DAVID; BRUCE; WIRT LISA (LE-NANCY PETREL)	4-C12J-13			
HM	PETREL NANCY L; DAVID; BRUCE WERT LISA (LE-NANCY PETREL)	4-C12J-14			
HN	TRUOX MARK L	4-C12J-35			
HO	HERMAN CHARLES M & MAGDALEN M	4-C12J-31			
HP	HERMAN CHARLES M & MAGDALEN M (SURVIVORSHIP)	4-C12J-30			
HQ	HERMAN CHARLES M & MAGDALEN M	4-C12J-29			
HR	SPERRINGER TODD ALLAN & MIRANDA 3BOYZ PROP MGMT JTWS	4-C12J-32			
HS	FORESTER DONALD D; TIMOTHY ETAL	4-C12J-34			
HT	COPENHAVER JACK L & MARJORIE C	4-C12J-59			
HU	LANTZ KEYSTONE TRUST 1/14/13 TRUS WILLIAM & CAROLYN LANTZ	4-C12J-27			
HV	LANTZ WILLIAM-40% LANTZ SUSAN PORCH-60%	4-C12J-26			
HW	MAVIRCH PHILLIP C	4-C12J-19			
HX	VAVRO DAVID A	4-C12J-20			
HY	COZAD DONALD L JR & LISA J (SURV)	4-C12J-22			
HZ	LANTZ KEYSTONE TRUST 1/14/13 TRUS-WM & CAROLYNN LANTZ	4-C12J-25			
IA	OLENICK JOSEPH JOHN & FRANCES ANN (SURV)	4-CC12-58			
IB	UNITED PRESBYTERIAN CHURCH OF TENT CHURCH ROAD	4-CC12-57			
IC	MORRIS GRACE A; ELAINE M (SURV) (TOD)	4-CC12-56			
ID	THOMAS RITA K	4-CC12-55			
IE	HOOPER TIMOTHY S & STACY (SURV)	4-CC12-54			
IF	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-53			
IG	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-52			
IH	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-48			
II	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-47			
IJ	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-46			
IK	LONGWELL DIANA LYNN & MARTY ROBBON	4-CC12-45			
IL	BUBECK PHILIP J	4-CC12-44			
IM	BUBECK BRIAN B & STEPHANIE J (SURV)	4-CC12-43			
IN	KUZMA NATHANAEL J AMY L (JTWS)	4-CC16-26.1			
IO	DODD GERALDINE	4-CC12-41			
IP	DODD PAUL C & DONNA A (JTWS)	4-CC12-40			
IQ	DODD PAUL C & DONNA A (JTWS)	4-CC12-39			
IR	DODD LARRY G SR & NORA LOU	4-CC12-38			
IS	THOMAS RITA K	4-CC12-55			
IT	MONROE ALLEN & JENNIFER (JTWS)	4-CC12-63			
IU	FRESHWATER MARGARET	4-C12K-80			
IV	HAMILTON DEBORAH JANE	4-C12K-78			
IW	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-24			
IX	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-25			
IY	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-30			
IZ	KIMBALL KENNETH L & APRIL L (SURV)	4-CC75-32			

06/30/2023

REVISIONS:	 		DATE: 05-31-2023
			API NO: 47-009-00333
	OPERATOR'S	STATE OF WV DNR B BRK	DRAWN BY: Z. WOOD
	WELL #:	401H	SCALE: N/A
	DISTRICT:	CROSS CREEK	DRAWING NO: 2017-541
	COUNTY:	BROOKE/OHIO	WELL LOCATION PLAT
	STATE:	WV	



06/30/2023

REVISIONS:

<p>COMPANY: SWN Production Company, LLC</p>		<p>SWN ^{SAV} Production Company™</p>
<p>OPERATOR'S STATE OF WV DNR B BRK</p>		<p>DATE: 05-31-2023</p>
<p>WELL #: 401H</p>		<p>API NO: 47-009-00333</p>
<p>DISTRICT: CROSS CREEK</p>		<p>DRAWN BY: Z. WOOD</p>
<p>COUNTY: BROOKE/OHIO</p>		<p>SCALE: N/A</p>
<p>STATE: WV</p>		<p>DRAWING NO: 2017-541</p>
<p>WELL LOCATION PLAT</p>		

WW-6A1
(5/13)

Operator's Well No. State of West Virginia DNR B BRK 401H

**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"				

**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: 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 6H
Brooke County, WV

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG
1)	04-CC16-0019-0000	Starvaggi Industries, Incorporated	Fortuna Energy Inc. Range Resources-Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	9/532 10/226 10/541 30/480
2)	04-CC16-0016-0000	Danny D. Tice and Marcia Tice, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	18/430 30/480
3)	04-CC16-0026-0000	Family Connections Inc.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	28/60 30/480
4)	04-CC16-0027-0000	Arrissa M. Suter, a single woman and Kenneth A. Cochran, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	27/641 30/480
5)	04-CC12-0054-0001	Matthew C. Lewis and Holly W. Lewis, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	18/81 33/492
6)	04-C12J-0028-0000	Kimberly Carman Worthley, f.k.a. Kimberly Jo (Kim) Carman, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	15/111 30/480
7)	04-C12J-0033-0000	Shawn Dennis and Tawna R. Dennis, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	11/556 30/480
8)	04-C12J-0042-0000	James L. Deuley, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	18.00%	20/684 30/480
		Roberta J. Dillon, single	SWN Production Company, LLC	18.00%	61/715
		Kathy A. Roupe, f/k/a Kathy Dunlevy, single	SWN Production Company, LLC	18.00%	61/721
		Donald R. Mechling, single	SWN Production Company, LLC	18.00%	62/146
		Linda L. Perkins	SWN Production Company, LLC	18.00%	63/113
		Drema K. Peterson, single	SWN Production Company, LLC	18.00%	61/709
		Dwight R. Welshans, Single	SWN Production Company, LLC	18.00%	61/703
9)	04-C12J-0041-0000	James L. Deuley, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	20/684 30/480
10)	04-C12J-0036-0000	Michael T. Koscevic and Sheryl Koscevic, husband and wife	SWN Production Company, LLC	18.00%	40/779 (41/121)
		Jamie Deuley, a single woman	SWN Production Company, LLC	18.00%	42/573
11)	04-C12J-0040-0000	Tracy S. Richmond, divorced	SWN Production Company, LLC	18.00%	62/233
12)	04-C12J-0039-0000	Patricia A. Yandrich a/k/a Patricia Ann Yandrich, widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	26/145 30/480
13)	04-C12J-0038-0000	Judy McClain, aka Judith L. McClain, widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	26/135 30/480

06/30/2023

14)	04-C12J-0046-0000	Daniel Louis Smith and Judith Ann Smith, husband and wife	SWN Production Company, LLC	18.00%	61/727
15)	04-C12J-0047-0000	Nicholas Cebula and Deborah L. Cebula, husband and wife	SWN Production Company, LLC	18.00%	39/128
16)	04-C12J-0048-0000	Douglas Lee, a single man and Dana M. Headmond, a single woman	SWN Production Company, LLC	18.00%	33/789 (39/715)
17)	04-C12J-0005-0000	Kimberly Carman Worthley, f.k.a. Kimberly Jo (Kim) Carman, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	15/90 30/480
18)	04-C12J-0004-0000	Kimberly Carman Worthley, f.k.a. Kimberly Jo (Kim) Carman, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	15/91 30/480
19)	04-C12J-0003-0000	Judy Keister, a widow and David Lee Kiester, a married man dealing in his sole and separate property	SWN Production Company, LLC	14.00%	40/579
→ 20)	04-C12J-0002-0000	Peggy A. Stillwell and Robert L. Kerns, Jr.	SWN Production Company, LLC	17.00%	33/709
21)	04-C11M-0005-0000	Mark C. Secrist, Jr. and Mary E. Secrist, husband and wife	Great Lakes Energy Partners, L.L.C. Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	14.00%	10/37 20/733 10/552 30/480
22)	04-CC12-0005-0000	Nancy Lee Petrel, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	17/146 30/480
		Edna Floryne Williams, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	17/154 30/480
		Unknown Heirs or Assigns of Mary Hunter	SWN Production Company, LLC	18.00%	63/115
		Tom Meneely, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	21/364 30/480
		Lois Jean Calfo, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	12.50%	31/369 30/480
		Della Dalene Alrutz, a widow	Chesapeake Appalachia, L.L.C.	15.00%	17/790 30/480
		Brian Tidrick and Lori Tidrick, Husband and Wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	27/302 30/480
		Betty Mae Stattler	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	20/218 30/480
		Gary L. Clark	SWN Production Company, LLC	18.00%	62/764
		Mark D. Clark	SWN Production Company, LLC	18.00%	63/115

38)	04-CC7-0028-0000	David S. Browning and Lori L. Browning, husband and wife	SWN Production Company, LLC	18.00%	42/559
39)	04-CC7-0027-0000	HFS Limited Liability Company	Chesapeake Appalachia, L.L.C.	18.00%	22/449
		SWN Production Co, LLC	SWN Production Company, LLC	N/A	30/480
		Valero Ener-Serve, LLC	Operator Owned Minerals	N/A	396/555
40)	04-CC7-0031-0001	HFS Limited Liability Company	SWN Production Company, LLC	18.00%	62/225
		SWN Production Co, LLC	Chesapeake Appalachia, L.L.C.	18.00%	22/449
			SWN Production Company, LLC	N/A	30/480
41)	04-CC7-0031-0002	HFS Limited Liability Company	Operator Owned Minerals	N/A	396/555
		SWN Production Co, LLC	Chesapeake Appalachia, L.L.C.	18.00%	22/449
			SWN Production Company, LLC	N/A	30/480
42)	06-W8-0048-0000	West Virginia State Rail Authority	SWN Production Company, LLC	20.00%	61/788
43)	06-W7-0012-0000	Rebecca Sims-Illig, a/k/a Becky Sims-Illig, married, dealing in her separate property	SWN Production Company, LLC	18.00%	58/676
		Howard Clark Sims, a/k/a Clark Sims, married, dealing in his separate property	SWN Production Company, LLC	18.00%	58/683
		Ellen Ann Sims	SWN Production Company, LLC	18.00%	58/690
44)	06-W7-0003-0000	John C. Skerbetz and Elizabeth Cook fka Elizabeth Boyer, husband and wife, and April Schill, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	45/125
45)	06-W3-0004-0000	Brownlee Land Ventures, LP	SWN Production Company, LLC	18.00%	52/183
46)	06-W7-0002-0000	Brian Teslovich and Cara C. Davis, husband and wife	SWN Production Company, LLC	16.00%	41/572
47)	06-W7-0021-0000	Rebecca Sims-Illig, a/k/a Becky Sims-Illig, married, dealing in her separate property	SWN Production Company, LLC	18.00%	58/676
		Howard Clark Sims, a/k/a Clark Sims, married, dealing in his separate property	SWN Production Company, LLC	18.00%	58/683
		Ellen Ann Sims	SWN Production Company, LLC	18.00%	58/690
48)	US ROUTE 22	Brownlee Land Ventures, LP	SWN Production Company, LLC	18.00%	52/183
49)	06-W3F-0047-0000	Cove Presbyterian Church of Weirton, West Virginia, f/k/a Presbyterian Church of Holidays Cove, West Virginia	SWN Production Company, LLC	18.00%	N/R