

LATITUDE: 40°12'30" SURFACE HOLE (2000' SCALE) ← 5,473'

← 10,205'

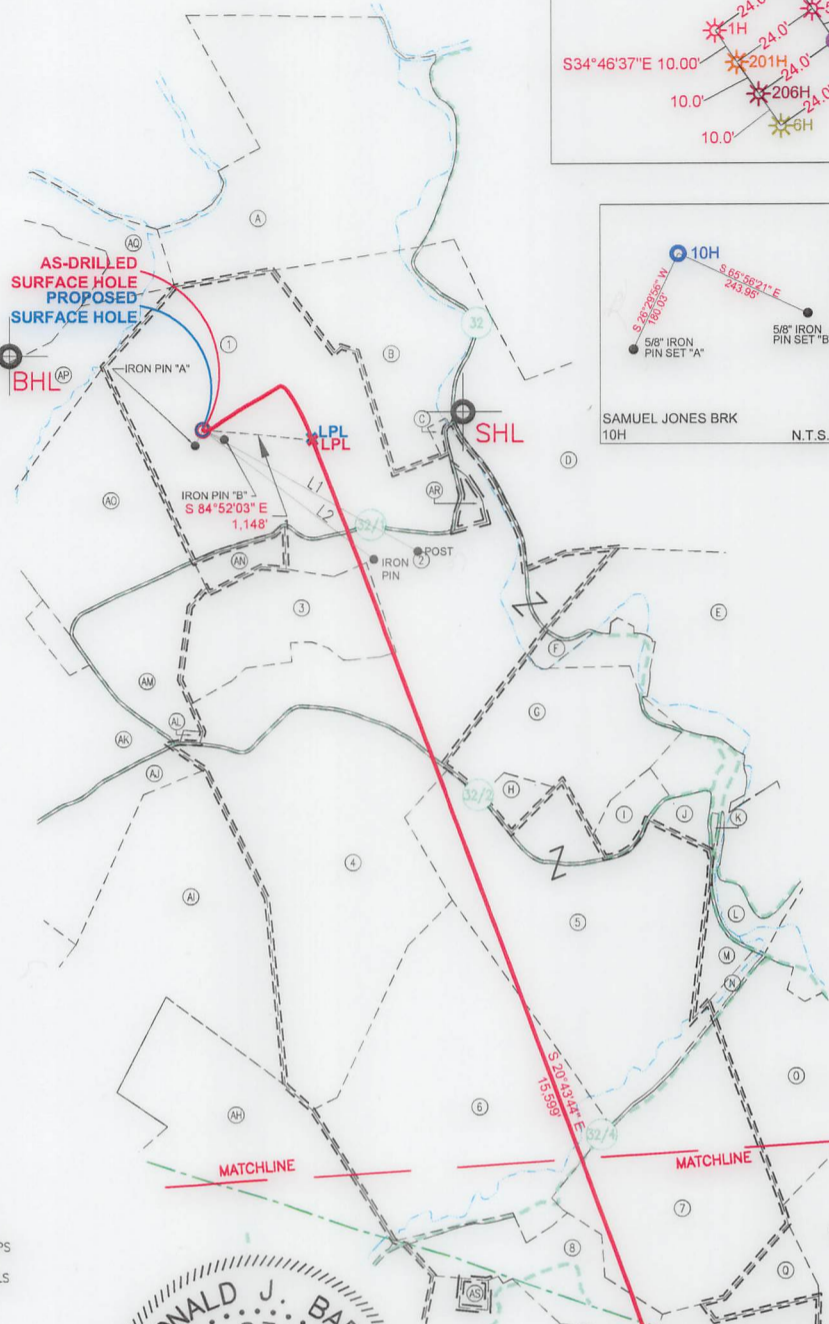
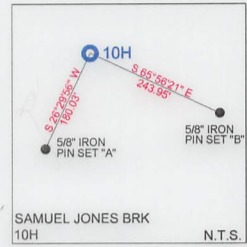
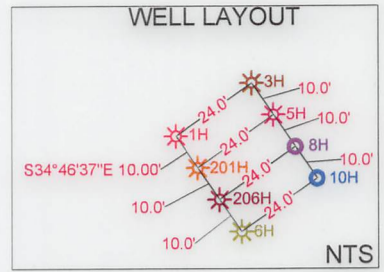
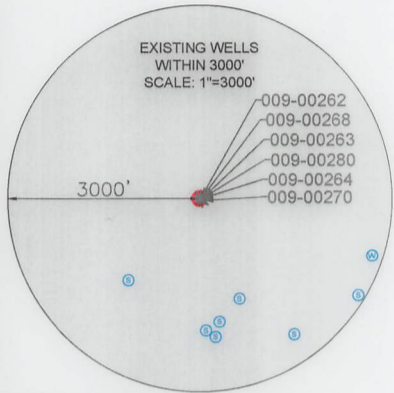
LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE)

5,958'
6,533'
LONGITUDE: 80°30'00" BOTTOM HOLE (2000' SCALE)
LONGITUDE: 80°32'30" SURFACE HOLE (2000' SCALE)



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

LINE	BEARING	DISTANCE
L1	S60°51'13"E	2564.24'
L2	S53°14'41"E	2223.45'



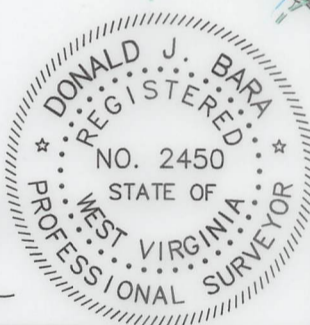
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448990.98 EASTING: 537367.62
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448965.54 EASTING: 537716.32
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444549.31 EASTING: 539472.76
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448992.19 EASTING: 537366.86
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448972.14 EASTING: 537713.95
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444550.96 EASTING: 539476.88

NOTES ON SURVEY

- COORDINATE SYSTEM IS UTM NAD 83 DATUM, 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.

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



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>SAMUEL JONES BRK</p> <p>OPERATOR'S WELL #: 10H</p> <p>API WELL #: 47 STATE 009 COUNTY 00337 PERMIT</p>
	<p>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"/></p> <p>WATERSHED: UPPER OHIO SOUTH ELEVATION: 1204.0'</p> <p>DISTRICT: BUFFLO COUNTY: BROOKE QUADRANGLE: BETHANY, WV</p> <p>SURFACE OWNER: SAMUEL E. & JUDITH F. JONES ACREAGE: ±164.74</p> <p>OIL & GAS ROYALTY OWNER: RESOURCE MINERAL HEADWATER I, LP ACREAGE: ±164.74</p> <p>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"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED 02/23/2024</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,412' TVD 22,201' TMD</p>	<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>

LEGEND:	REVISIONS:	DATE:
<ul style="list-style-type: none"> ○ 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 — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH 	<ul style="list-style-type: none"> DATE: 08-03-2023 API NO: 47-009-00337 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2019-0265 WELL LOCATION PLAT 	

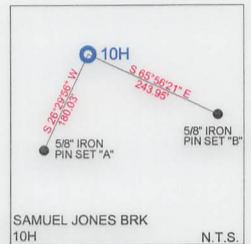
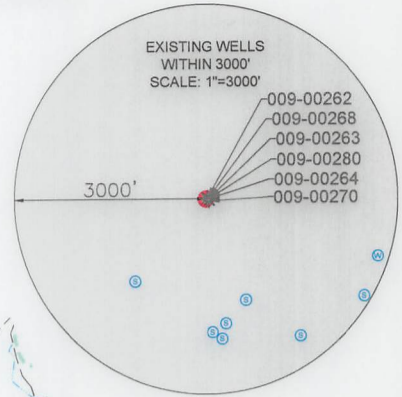
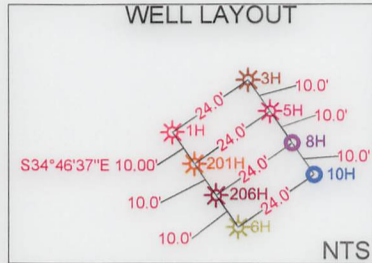
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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, U.S. FT



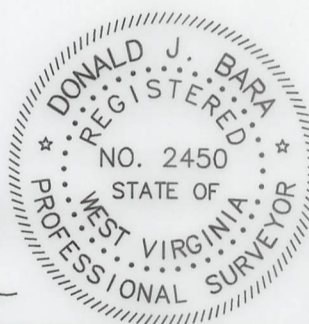
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
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EASTING: 537367.62
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NOTES ON SURVEY

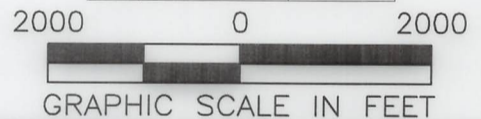
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P.S. 2450



LINE	BEARING	DISTANCE
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L2	S53°14'41"E	2223.45'



COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	SAMUEL JONES BRK		
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #:	10H	
			API WELL #:	47	009 00337
			STATE	COUNTY	PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1204.0'

DISTRICT: BUFFLO COUNTY: BROOKE QUADRANGLE: BETHANY, WV

SURFACE OWNER: SAMUEL E. & JUDITH F. JONES ACREAGE: ±164.74

OIL & GAS ROYALTY OWNER: RESOURCE MINERAL HEADWATER I, LP ACREAGE: ±164.74

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 02/23/2024

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,412' TVD 22,201' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

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

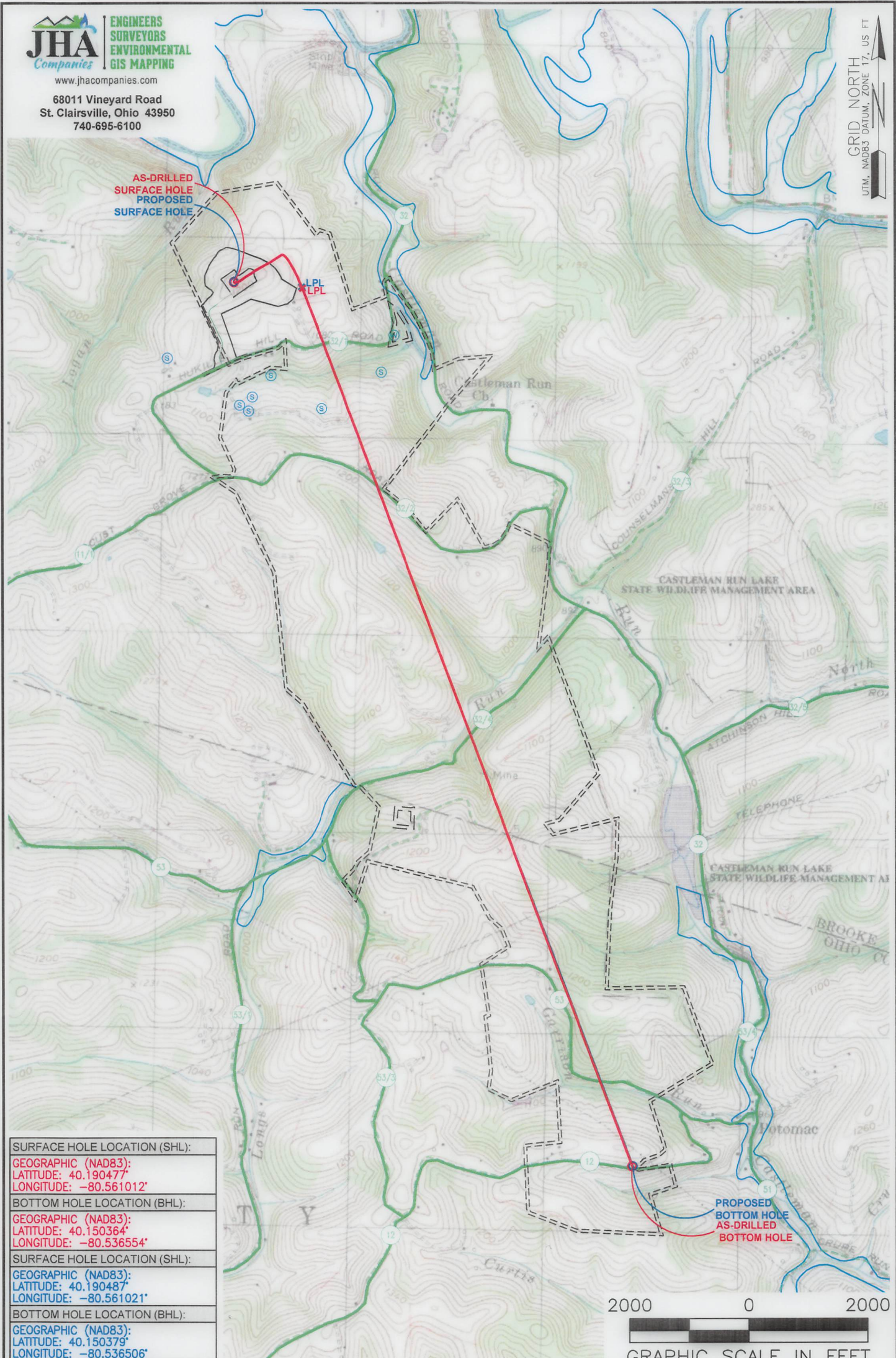
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE: 08-03-2023
○ EXISTING BOTTOM HOLE		API NO: 47-009-00337
⊙ EXISTING / PRODUCING WELLHEAD		DRAWN BY: Z. WOOD
LPL ⊙ EXISTING LANDING POINT LOCATION		SCALE: 1" = 2000'
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		DRAWING NO: 2019-0265
LPL ⊙ PROPOSED LANDING POINT LOCATION		WELL LOCATION PLAT
— ACCESS ROAD		
— PUBLIC ROAD		
— FLOOD PLAIN		
— LEASE BOUNDARY		
— AS DRILLED PATH		
— PROPOSED PATH		

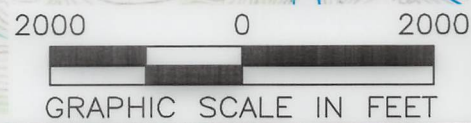
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	PRESLIE ROWAN LLC	3-B43-33
B	FONNER MARY LOU	3-B43-58
C	PUSKARICH TRACY T	3-B43-59
D	WV ST OF DEPT OF COMM DIV OF NAT RE WILDLIFE RES SEC	3-B43-62
E	HOGAN ANDREW P	3-B48-34
F	SMITH DEAN S	3-B48-32
G	CAMMARATA NICHOLAS J & JENNIFER C (SURV)	3-B48-25
H	LYCANS AUDIE	3-B48-26
I	WOOD RICHARD A JR & MELANIE (VOYTEK) (SURV)	3-B48-28
J	WOOD RICHARD A & MELANIE	3-B48-29
K	WOOD RICHARD A & MELANIE	3-B48-29
L	MCNICHOLAS JOHN WALTER III	3-B48-36
M	MCNICHOLAS JOHN WALTER III	3-B48-36
N	WALDEN DANIEL E & MARY VIRGNIA	3-B48-37
O	WALDEN DANIEL E & MARY VIRGNIA	3-B48-37
P	WEST VIRGINIA STATE OF - DIVISION OF NATURAL RESOURCES	3-B49-15
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	PRESLIE ROWAN LLC	3-B43-33
B	FONNER MARY LOU	3-B43-58
C	PUSKARICH TRACY T	3-B43-59
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E	HOGAN ANDREW P	3-B48-34
F	SMITH DEAN S	3-B48-32
G	CAMMARATA NICHOLAS J & JENNIFER C (SURV)	3-B48-25
H	LYCANS AUDIE	3-B48-26
I	WOOD RICHARD A JR & MELANIE (VOYTEK) (SURV)	3-B48-28
J	WOOD RICHARD A & MELANIE	3-B48-29
K	WOOD RICHARD A & MELANIE	3-B48-29
L	MCNICHOLAS JOHN WALTER III	3-B48-36
M	MCNICHOLAS JOHN WALTER III	3-B48-36
N	WALDEN DANIEL E & MARY VIRGNIA	3-B48-37
O	WALDEN DANIEL E & MARY VIRGNIA	3-B48-37
P	WEST VIRGINIA STATE OF - DIVISION OF NATURAL RESOURCES	3-B49-15
Q	GRIMES DONALD; ANTHONY	3-B48-39
R	STATE OF WV CONSERVATION COMM DIV OF NAT RES PUB LAND CORP	3-L3-1
S	STATE OF WV CONSERVATION COMM	3-L3-1.1
T	PARRISH EDGAR	3-L6-2.2
U	ATKINSON GREGORY D; ET AL C/O JENNIFER TUCKER	3-L6-10.2
V	GEAR LURA MARIE	3-L6-9.1
W	COWAN CHERYL ANN	3-L6-21
X	MORMANIS GREGORY N AND SHARON LEE	3-L6-13
Y	TOMINACK JOHN I JR	3-L5-10
Z	ENNIS MARJORIE G	3-L5-8
AA	HAYS TIMOTHY R & THELMA C	3-L5-29
AB	COX CHAD & JULIE C	3-L2-12
AC	LEMASTERS G L JR	3-L2-12.1
AD	DEARING JEREMY R & TANYA N	3-L2-12.3
AE	BREITINGER MICHAEL	3-L2-11
AF	SONDA SCOTT, SONDA MARK	3-L2-2
AG	WINDSOR COAL COMPANY	3-L2-9
AH	SONDA SCOTT; SONDA MARK	3-L2-1
AI	STONE MARION P	3-B48-19
AJ	STONE MARC P	3-B48-17
AK	BOHACH JENNIFER LYNNE PYLE; SEIDEWITZ WENDY RAY PYLE (JTWS)	3-B48-18
AL	WINDSOR POWER HOUSE COAL CO	3-B48-21
AM	NORDEN ANNA MAE (TOD); NORDEN - SMITH KATHERINE ETAL	3-B48-22
AN	CHAMBERS CHARLOTTE A	3-B48-23
AO	NORDEN ANNA MAE (TOD)	3-B48-22
AP	CORWIN BRIAN DAVID	3-B43-22
AQ	BETHANY COLLEGE	3-B38-31
AR	AYERS ALBERT GLENN & REBECCA ANN (SURV)	3-B43-61
AS	OHARA MATTHEW JAMES; OHARA DEIRDRA (LIFE ESTATE)	3-L2-10

02/23/2024

REVISIONS:	COMPANY: SWN Production Company, LLC		SWN ^{R+} _A ^{V+} _o Production Company™	
	OPERATOR'S SAMUEL JONES BRK		DATE: 08-03-2023	
	WELL #: 10H		API NO: 47-009-00337	
	DISTRICT: BUFFLO	COUNTY: BROOKE	STATE: WV	DRAWN BY: Z. WOOD
				SCALE: N/A
				DRAWING NO: 2019-0265
				WELL LOCATION PLAT



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.190477° LONGITUDE: -80.561012°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.150364° LONGITUDE: -80.536554°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.190487° LONGITUDE: -80.561021°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.150379° LONGITUDE: -80.536506°



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
- LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH

02/23/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SAMUEL JONES BRK	WELL # 10H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE	CODE: XXX	DISTRICT: BUFFLO
SURFACE OWNER: SAMUEL E. & JUDITH F. JONES	USGS 7 1/2 QUADRANGLE MAP NAME: BETHANY, WV		
		API # 47-009-00337	