

LATITUDE: 40°12'30" SURFACE HOLE (2000' SCALE)

5475'

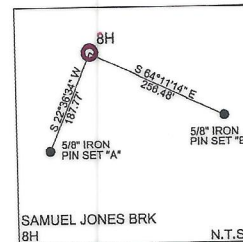
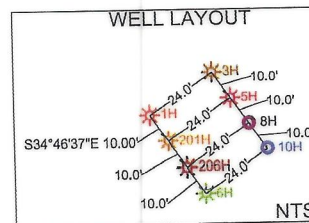
LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE)

10992'

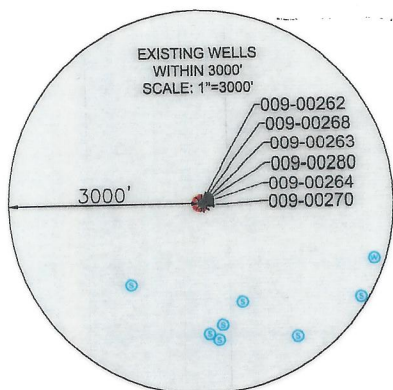


www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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



LINE	BEARING	DISTANCE
L1	S60°42'16"E	2577.31'
L2	S53°07'07"E	2237.29'



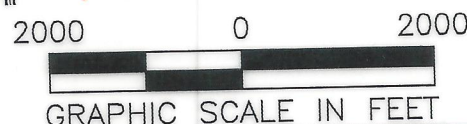
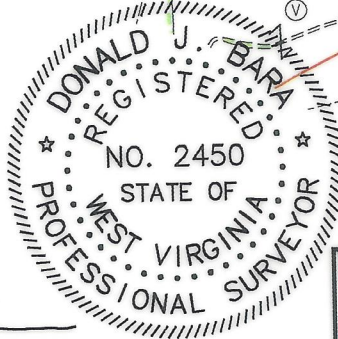
NOTES ON SURVEY

- 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 PLAN 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.

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448994.66 EASTING: 537365.08
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448862.36 EASTING: 537498.46
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444538.87 EASTING: 539233.19

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 **SWN** Production Company™

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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

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

OPERATOR'S WELL #: SAMUEL JONES BRK 8H
API WELL #: 47 STATE 009 COUNTY 00336 PERMIT H6A

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1204.0'
DISTRICT: BUFFALO 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)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 8,378' TO 21,775' TMD 06/09/2023

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	REVISIONS:	DATE: 04-13-2023 API NO: 47-009-XXXX DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2019-0265 WELL LOCATION PLAT
— NATURAL WATERWAY — SURVEYED BOUNDARY == LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD		

LATITUDE: 40°12'30" SURFACE HOLE (2000' SCALE)

5475'

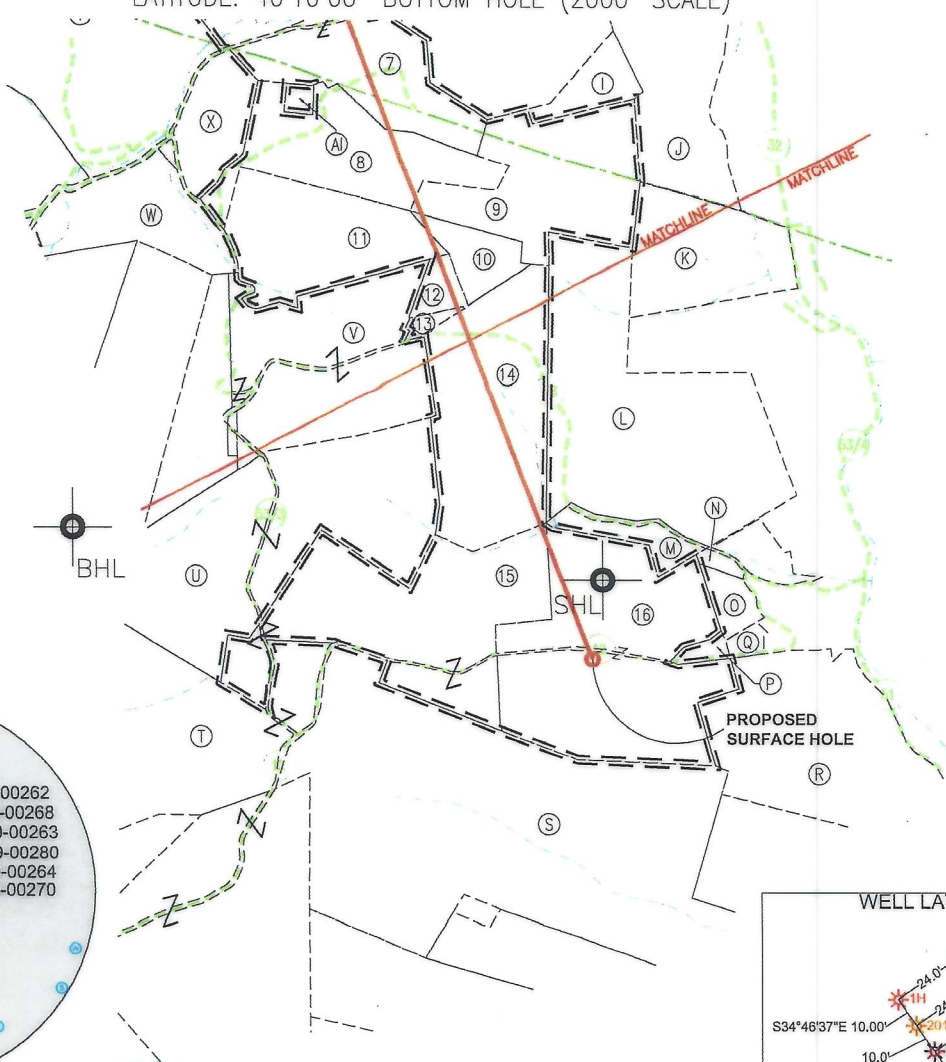


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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

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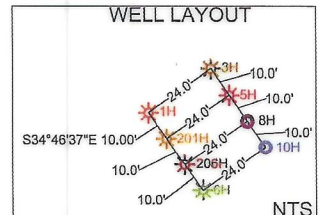
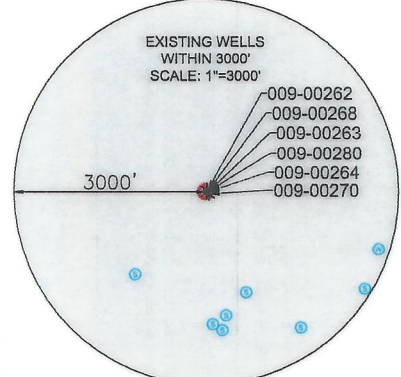
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LONGITUDE: 80°30'00" BOTTOM HOLE (2000' SCALE)

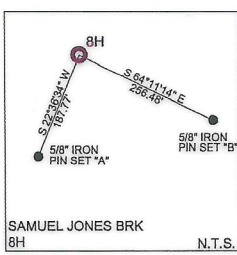
LONGITUDE: 80°32'30" SURFACE HOLE (2000' SCALE)



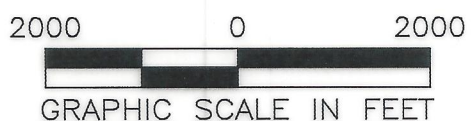
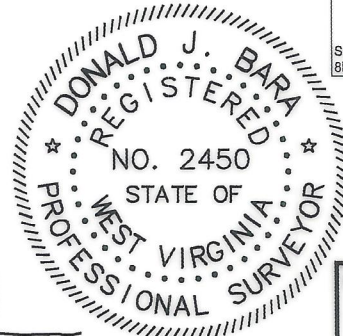
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P.S. 2450

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	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 8H	API WELL #: 47 STATE, 009 COUNTY, 00336 PERMIT

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

LEGEND:	PROPOSED SURFACE HOLE / BOTTOM HOLE	NATURAL WATERWAY	REVISIONS:	DATE: 04-13-2023
	EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY		API NO: 47-009-XXXXX
LPL	LANDING POINT LOCATION	LEASE BOUNDARY		DRAWN BY: R. GRIMES
	EXISTING WATER WELL	PROPOSED PATH		SCALE: 1" = 2000'
	EXISTING SPRING	PUBLIC ROAD		DRAWING NO: 2019-0265
				WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	JONES SAMUEL E & JUDITH F IRREVOCABLE TRUST (S) RESOURCE MINERALS HEADWATER I, LP (R)	3-B43-60
TRACT	SURFACE OWNER	TAX PARCEL
2	CHAMBERS CHARLOTTE A	3-B48-23
3	CHAMBERS HARRY L & BEVERLY R (SURV)	3-B48-24.1
4	CHAMBERS CHARLOTTE A	3-B48-24
5	SONDA SCOTT & MARK	3-B48-20
6	STONE MARION PYLE	3-B48-41
7	GRIMES DONALD; ANTHONY HOUSTON (SURV)	3-B48-40
8	OHARA MATTHEW JAMES; OHARA DEIRDRA (LIFE ESTATE)	3-L2-10.2
9	GRIMES MICHAEL J	3-L2-10.1
10	FISH HARRY ALAN FISH R H & P C RES'V L/E	3-L2-13.1
11	BREITINGER MICHAEL	3-L2-11
12	DEARING JEREMY R & TANYA N	3-L2-12.3
13	LEMASTERS G L JR	3-L2-12.1
14	FISH HARRY ALAN	3-L2-13
15	ENNIS MARJORIE G	3-L5-8
16	KESTNER GARY & TERRY	3-L5-9
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	FONNER MARY LOU	3-B43-58
B	PUSKARICH TRACY T	3-B43-59
C	WV ST OF DEPT OF COMM DIV OF NAT RE WILDLIFE RES SEC	3-B43-62
D	HOGAN ANDREW P	3-B48-34
E	SMITH DEAN S	3-B48-32
F	CAMMARATA NICHOLAS J & JENNIFER C (SURV)	3-B48-25
G	WALDEN WILLIAM K & FLORENCE ANDREA (SURV)	3-B48-27
H	WALDEN WILLIAM K & ANDREA	3-B48-38
I	GRIMES DONALD; ANTHONY	3-B48-39
J	WEST VIRGINIA STATE OF - DIVISION OF NATURAL RESOURCES	3-B49-15
K	STATE OF WV CONSERVATION COMM DIV OF NAT RES PUB LAND CORP	3-L3-1
L	ATKINSON GREGORY D; ET AL C/O JENNIFER TUCKER	3-L6-10
M	ATKINSON GREGORY D; ET AL C/O JENNIFER TUCKER	3-L6-10.1
N	ATKINSON GREGORY D; ET AL C/O JENNIFER TUCKER	3-L6-10.2
O	GEAR LURA MARIE	3-L6-9.1
P	COWAN CHERYL ANN	3-L6-21
Q	MONTGOMERY PATRICK J & MONTGOMERY BRENDA LEE	3-L6-11.1
R	MORMANIS GREGORY N AND SHARON LEE	3-L6-13
S	TOMINACK JOHN I JR	3-L5-10
T	DOLENCE DONALD F & J L	3-L5-11
U	HAYS TIMOTHY R & THELMA C	3-L5-29
V	COX CHAD & JULIE C	3-L2-12
W	SONDA SCOTT SONDA MARK	3-L2-2
X	WINDSOR COAL COMPANY	3-L2-9
Y	SONDA SCOTT SONDA MARK	3-L2-1
Z	STONE MARION P	3-B48-19
AA	STONE MARC P	3-B48-17
AB	BOHACH JENNIFER LYNNE PYLE; SEIDWITZ WENDY RAY PYLE (JTWS)	3-B48-18
AC	WINDSOR POWER HOUSE COAL CO	3-B48-21
AD	NORDEN ANNA MAE (TOD) NORDEN - SMITH KATHERINE ETAL	3-B48-22
AE	CORWIN BRIAN DAVID	3-B43-22
AF	BETHANY COLLEGE	3-B38-31
AG	PRESLIE ROWAN LLC	3-B43-33
AH	AYERS ALBERT GLENN & REBECCA	3-B43-61
AI	OHARA MATTHEW JAMES; OHARA DEIRDRA (LIFE ESTATE)	3-L2-10

06/09/2023

REVISIONS: 4700900336

COMPANY:

SWN
Production Company, LLC

SWN ^{R-V+}_A
Production Company™

OPERATOR'S SAMUEL JONES BRK

DATE: 04-13-2023

WELL #: 8H

API NO: 47-009-XXXXX

DISTRICT:
BUFFALO

COUNTY:
BROOKE

STATE:
WV

DRAWN BY: R. GRIMES

SCALE: N/A

DRAWING NO: 2019-0265

WELL LOCATION PLAT

COMPLETION ID 2501163276
PAD ID 3001163336