

LATITUDE: 39°47'30"

SURFACE HOLE 7,520'

LATITUDE: 39°50'00" BOTTOM HOLE 1,721'



LINE	BEARING	DISTANCE	OBSCURP. ON	MONUMENT
L1	S 67°40'15" W	800.01'	SHL TO MONUMENT	STONE MONUMENT
L2	N 45°31'25" E	1,138.05'	SHL TO MONUMENT	STONE MONUMENT
L3	N 82°56'57" E	574.01'	SHL TO LPL	SHL TO LPL

SURVEYOR/ENGINEER: 1-304-888-3483
 1700 ANMOORE RD.
 BRIDGEPORT, WV 26330

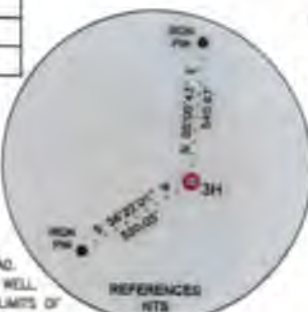
SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,404,248.059	
EASTING: 536,952.271	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,404,327.627	
EASTING: 537,108.091	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,407,479.451	
EASTING: 535,137.065	



02/24/2023

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	JOHN C. RICHARDS, et ux (S) / AMP IV, LP; CYNTHIA SUE DAVIS; FRANK D. ROBINSON; JENNIE ROBINSON (R)	7-11-13
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	MACKAY ROY A ET AL	7-11-14
3	STEWART KIMBERLY A	7-6-21
4	SCHWERTFAGER TODD J & JENNIFER ET AL	7-6-23
5	CNX Land LLC	7-6-18
6	ROBIN E RICHARDSON F/R/JA ROBIN E MURFIN	7-6-17
7	CNX Land LLC	7-2-32
8	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-2-31
9	STERN GARY ET LIX	7-2-30
10	CNX Land LLC	7-2-29
11	STERN MICHAEL B & AMY L	7-2-28
12	STERN MICHAEL B & AMY L	7-2-27.4
13	STERN MICHAEL B & AMY L	7-2-27.3
14	RONGIORNO PATRICIA	7-2-27

PROPOSED 3H BOTTOM HOLE



WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO DRINKING INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- TIES TO WELLS AND CORNERS ARE BASED ON UTM, NAD83 DATUM, ZONE 17, US FT.
- WELL LAT./LONG ESTABLISHED BY DIRECT GPS NAD 83.
- BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
- SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF OHIO COUNTY IN OCTOBER OF 2021.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDP.

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.



COMPANY: **SWN** Production Company, LLC

STATE OF WEST VIRGINIA
 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)

SONIA R MSH
 OPERATOR'S WELL # 3H
 API WELL # 47 51 02490
 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1531.0'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: CAMERON 7.5' WV

SURFACE OWNER: JOHN C. RICHARDS, et ux ACREAGE: ±83.00

OIL & GAS ROYALTY OWNER: AMP IV, LP; CYNTHIA SUE DAVIS; FRANK D. ROBINSON; JENNIE ROBINSON ACREAGE: ±83.00

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) xxxxxxxx

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,422 TVD 20,107 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITANY 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
 ● EXISTING WATER WELL
 ● EXISTING SPRING
 — SURVEYED BOUNDARY
 — DRILLING UNIT
 — LEASE BOUNDARY
 — PROPOSED PATH

REVISIONS:	DATE:
	12/05/2022
	FILE NO:
	DRAWN BY: TMF
	SCALE: 1" = 2500'
	DRAWING NO: ACE-2257
	WELL LOCATION PLAT



SURVEYOR/ENGINEER: 1-304-833-3483
 1700 ANMOORE RD.
 BRIDGEPORT, WV 26330

02/24/2023

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	KIRKENDALL SAMUEL D & CHRISTINE	7-12-8
B	MCCOMBS DOUGLAS R & REBECCA J	7-11-19
C	BAKER MARK ALLEN	7-11-15.2
D	MCCURDY TIMOTHY S	7-11-12
E	CUMPSTON KEITH D & SANDRA S	7-6-20
F	REID BARBARA J & SANDRA CUMPSTON	7-6-19
G	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-14.1
H	MARKWEST LIBERTY MIDSTREAM & RESOURCES LLC	7-6-15.1
I	ALLMAN WANDA L ET AL	7-6-15
J	DOBBS ERIC SCOTT	7-6-16
K	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-16.2
L	ALLMAN WANDA L - TOD	7-6-16.1
M	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-21.1
N	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-22
O	STERN MICHAEL B & AMY L	7-2-25
P	BRYAN MICHAEL R II & MELISSA A	7-2-26
Q	CECIL GATHA M	7-2-27.1
R	CNX Land LLC	7-2-27.2
S	FRYE MARK H	3-18-27
T	STERN MICHAEL B & AMY L	3-17-20
U	STERN MICHAEL B & AMY L	7-3-1
V	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-29.2
W	MARSHALL COUNTY COAL RESOURCES INC	7-2-29.1
X	STERN GARY ET UX	7-3-2
Y	SCHOENE MICHAEL	7-3-3
Z	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-23.1
A1	SHEPHERD WILLIAM H & JERRY L - TOD	7-3-11
B2	NEELY ROBERT S ET UX	7-3-12
C3	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-24
D4	PETTIT JEFFERY M	4-6-25
E5	O'NEIL DENNIS G ET UX	7-6-26
F6	O'NEIL DENNIS G ET UX	7-6-22
G7	MATHEWS D A ESTATE	7-6-27
H8	REID JAMES L & SHERRY L	7-12-1
I9	O'NEIL GARRETT D & AMY L	7-12-7
J10	MARSHALL COUNTY COAL COMPANY	7-6-18.1

REVISIONS:	COMPANY:			
	OPERATOR'S			
	WELL #:		SONIA R MSH	
	DISTRICT:		COUNTY:	STATE:
LIBERTY		MARSHALL	WV	SCALE: N/A
				DRAWING NO: ACE-2257
				WELL LOCATION PLAT



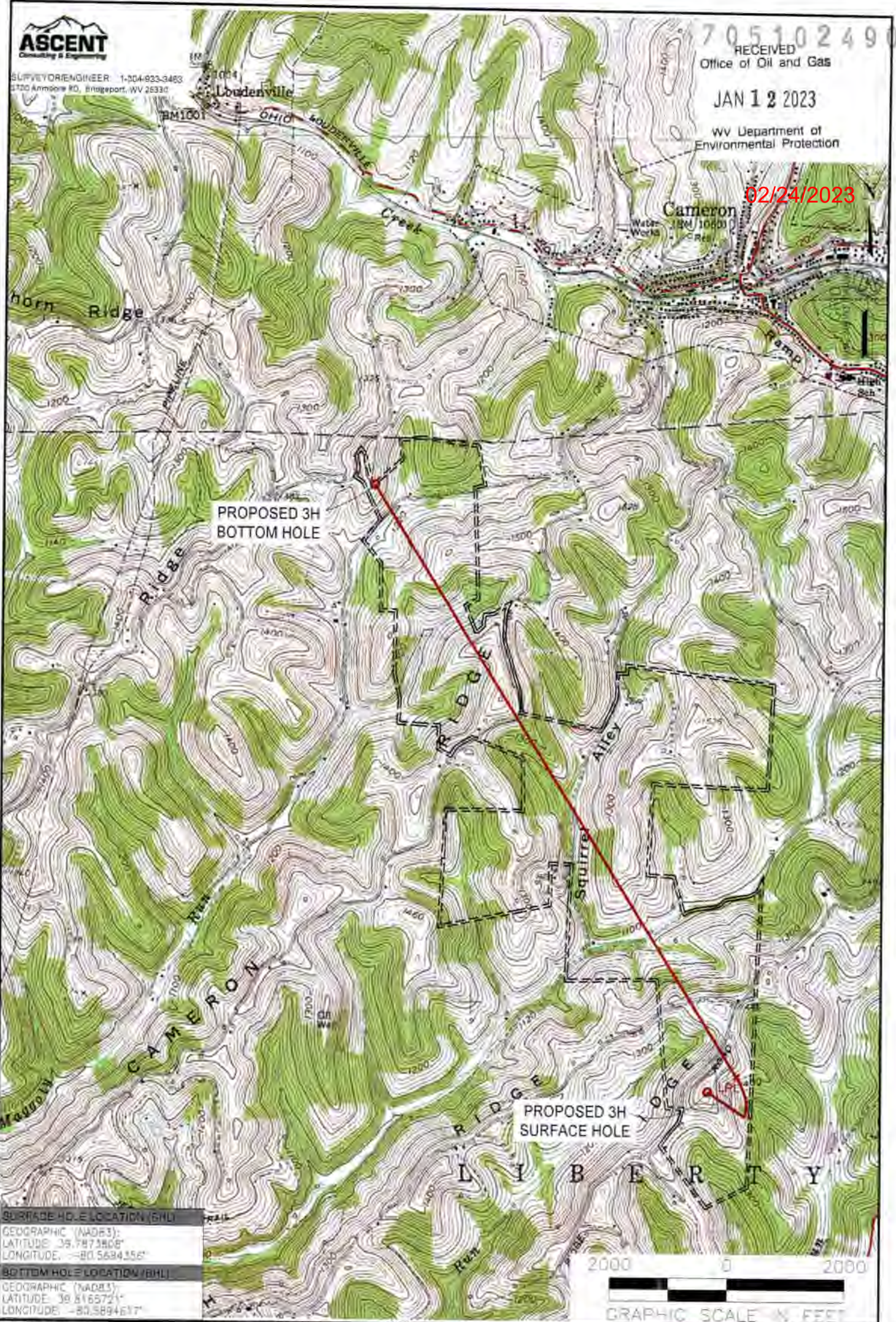
SURVEYOR/ENGINEER 1-304-933-3483
 2720 Ammons RD, Bridgeport, WV 26330

70510249
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 Office of Oil and Gas

JAN 12 2023

WV Department of
 Environmental Protection

02/24/2023

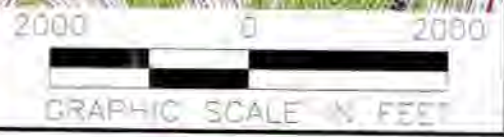


PROPOSED 3H
 BOTTOM HOLE

PROPOSED 3H
 SURFACE HOLE

SURFACE HOLE LOCATION (SHL)
 GEOGRAPHIC (NAD83):
 LATITUDE: 39.7873806°
 LONGITUDE: -80.5694356°

BOTTOM HOLE LOCATION (BHL)
 GEOGRAPHIC (NAD83):
 LATITUDE: 39.8165721°
 LONGITUDE: -80.5894617°



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM REELS AND/OR TALK PAPERS, MAPS PROVIDED BY CLIENT AND/OR FIELD LOGGERS.
2. THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE DRD NORTH UNLESS OTHERWISE NOTED.

LEGEND

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊗ EXISTING / PROPOSED WELLHEAD
- ACCESS ROAD
- - - PUBLIC ROAD
- ACCESS ROAD TO OTHER SITE
- LEASE BOUNDARY
- PROPOSED PATH
- FLOOD PLAIN

WELL OPERATOR:
 SWN PRODUCTION COMPANY, LLC

ADDRESS:
 1300 FORT PIERPONT DRIVE, SUITE 201

SURFACE OWNER:
 JOHN C. RICHARDS, et ux

WELL (FARM) NAME:
 SONIA R MSH

WELL #: 3H
SERIAL #: XXXX

COUNTY - CODE: MARSHALL - 25
DISTRICT: LIBERTY

USGS 7 1/2 QUADRANGLE MAP NAME: WHEELING, WV