



SURVEYOR/ENGINEER: 1-304-633-3463
1700 ANMDORE RD,
BRIDGEPORT, WV 26330

SURFACE HOLE LOCATION (SHL)

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,404,236.172
EASTING: 535,949.565

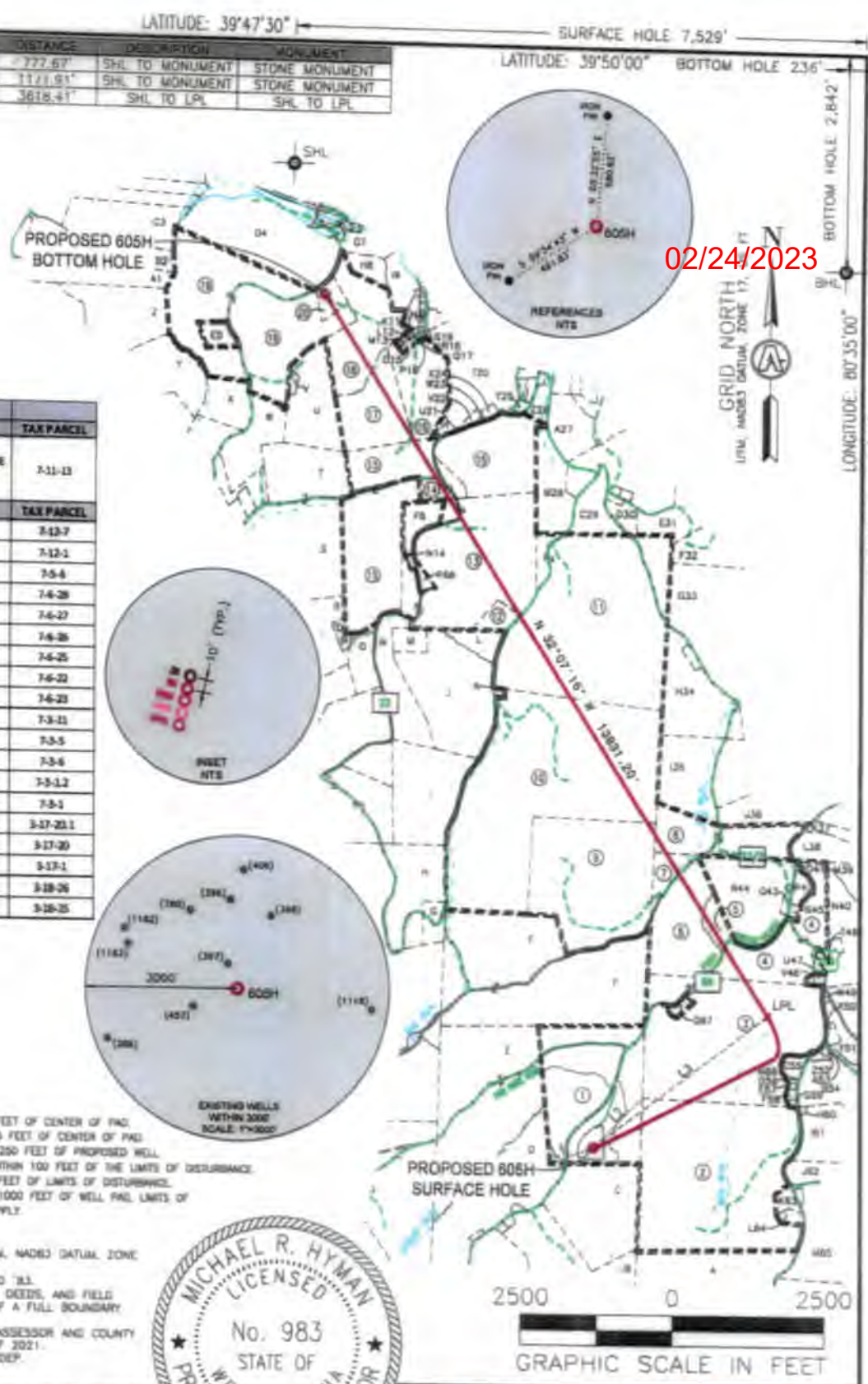
LANDING POINT (LPL)

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,404,905.202
EASTING: 537,826.360

BOTTOM HOLE LOCATION (BHL)

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,408,475.940
EASTING: 535,584.799

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
2	OWEN GARRETT D & AMY L	7-12-7
3	REID JAMES L & SHIRYL	7-12-1
4	BIG RUN CHRISTIAN CHURCH TR	7-5-4
5	BOARD OF EDUCATION	7-6-28
6	GARY R BOLDTID ET AL	7-6-27
7	O'NEIL DENNIS G ET UK	7-6-26
8	PETIT JEFFERY M	7-6-25
9	O'NEIL DENNIS G ET UK	7-6-23
10	SCHWARTZ TODD J & JENNIFER ET AL	7-6-23
11	SHEPHERD WILLIAM W & JERRY L - TOD	7-3-11
12	EAKIN RICHARD T & BIRNBERY A STEWART	7-3-5
13	CLARE LARRY L & WENDY S	7-3-4
14	CHAPLIN MANDI E & KEVIN	7-3-12
15	STERN MICHAEL S & AMY L	7-3-1
16	SCOTT GABRIEL G & RICHARD D	3-27-20.1
17	STERN MICHAEL S & AMY L	3-27-20
18	FRIE MARK H	3-17-1
19	BOYD MELVIN DEAN	3-18-26
20	CROFT THOMAS LEE JR & SAMMITHA DON	3-18-25



02/24/2023

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERMANENT 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 DRIVING INAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD LIMITS OF DISTURBANCE, 2 & 3 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 W/AD '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 WVDOP.

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 THE DEPARTMENT.



P.S. 983



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 ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL # **605H**
API WELL # **47 51 D2491**
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) AAAAAA

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,460 TVD 22,636 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:		REVISIONS:	
	PROPOSED SURFACE HOLE / BOTTOM HOLE		DATE: 12-07-2022
	EXISTING / PRODUCING WELLHEAD		FILE NO:
	SURVEYED BOUNDARY		DRAWN BY: TMF
	DRILLING UNIT		SCALE: 1" = 2500'
	LEASE BOUNDARY		DRAWING NO: ACE-2257
	PROPOSED PATH		WELL LOCATION PLAT
	EXISTING WATER WELL		
	EXISTING SPRING		



SURVEYOR/ENGINEER: 1-304-933-3463
 1700 ANMOORE RD,
 BRIDGEPORT, WV 26330

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	KIRKENDALL SAMUEL D & CHRISTINE	7-12-8
B	MCCOMB'S DOUGLAS R & REBECCA J	7-11-19
C	MACKAY ROY A ET AL	7-11-14
D	BAKER MARK ALLEN	7-11-15.2
E	MCCURDY TIMOTHY S	7-11-12
F	STEWART KIMBERLY A	7-6-21
G	MARSHALL COUNTY COAL COMPANY	7-6-18.1
H	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-18
I	MURFIN ROBIN E	7-6-17
J	SCHOENE MICHAEL	7-3-3
K	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-23.1
L	EAKIN RICHARD T & KIMBERLY A STEWART	7-3-4
M	SCHOENE MICHAEL	7-3-8.1
N	STERN GARY ET UX	7-3-2
O	STERN GARY ET UX	7-2-30
P	MARSHALL COUNTY COAL RESOURCES INC	7-2-29.1
Q	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-29.2
R	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-29
S	STERN MICHAEL B & AMY L	7-2-28
T	STERN MICHAEL B & AMY L	7-2-28
U	FRYE MARK H	3-18-27
V	FRYE MARK H	3-18-27.1
W	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-2-27.2
X	BAMBIK KENNETH L	7-2-27.5
Y	CECIL GATHA M	3-18-22.1
Z	EVANS GENE & RUTH ESTS	3-18-22
A1	BRIGGS H DONALD IRREVOCABLE TRUST	3-18-29
B2	BRIGGS HENRY DONALD IRREVOCABLE TRUST	3-18-30
C3	BERER DANIEL R	3-18-31
D4	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-18-24
E5	BOYD SR WILLIAM H	3-18-26.1
F6	CLARK LARRY L & WENDY S	7-3-6.1
G7	FRYE MARK H	2-01-156
H8	FRYE MARK H	2-01-155
I9	FRYE MARK H	2-01-137
J10	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-17A-7
K11	ONE LAND LLC	3-17A-8
L12	GALLEDNA S FRANK P LAUTER	3-17A-9
M13	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-17A-10
N14	ROUPE SHARON D	7-3-1.1
O15	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-17A-11
P16	MARSHALL COUNTY COAL RESOURCES INC	3-17A-12
Q17	WADE DONALD B LUCY B EFAW DONALD	3-17A-13
R18	UNKNOWN	3-17A-14
S19	HALL CARL J EST	3-17A-15
T20	CLARK CHRISTOPHER SCOTT	3-17-24
U21	CHAMBERS FRANCIS ET AL	3-17-21
V22	DOTY RICK A & CATHY	3-17-23
W23	DOTY RICK A & CATHY	3-17-22.1
X24	MARSHALL COUNTY COAL RESOURCES INC	3-17-23
Y25	CLARK CHRISTOPHER SCOTT	3-17-25
Z26	DOBBS DON BURDELL ET UX	3-17-32
A27	DIFFORD WILLIAM E ET UX	3-17-33
B28	DOBBS DONALD B ET UX	7-3-7
C29	CUNNINGHAM DALLAS LYNN	7-3-8
D30	MARSHALL COUNTY COAL RESOURCES INC	7-3-9.4
E31	MARSHALL COUNTY COAL COMPANY	7-3-10.1
F32	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-3-10
G33	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-3-13
H34	NEELY ROBERT S ET UX	7-3-12
I35	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-24
J36	HANKER SCOTT A	7-5-23
K37	PETTIT CARLS	7-5-24.1
L38	PETTIT CARLS	7-5-25

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
M39	MCCRACKEN BASIL EST	7-5-8
N40	PETTIT MICHAEL R ET UX	7-5-24.2
O41	BIG RUN CEMETERY ASSOC	7-5-6.4
P42	CHRISTIAN CHURCH	7-5-4
Q43	YEATER PRESTON A	7-5-3
R44	MATHEWS ALEX C ET AL	7-5-2
S45	TAX INFORMATION IS NOT AVAILABLE	7-5-5
T46	PETTIT MICHAEL R ET UX	7-5-7.1
U47	PETTIT THOMAS R ET UX	7-5-6.1
V48	PETTIT THOMAS R & LISA	7-5-6.3
W49	CHAMBERS JOHN W	7-12-3
X50	MOCAP LESLIE J & VIRGINIA M	7-12-2.1
Y51	CHAMBERS LAWRENCE O & JOHN W	7-12-2.2
Z52	ROHM GREG R	7-12-4.3
A53	ROHM GREG R	7-12-4.1
B54	MOCAP LESLIE ET UX	7-12-4
C55	DARMAFALL JOSEPH W II & CHELSIE J	7-12-1.6
D56	DARMAFALL JOSEPH W II & CHELSIE J	7-12-1.5
E57	DARMAFALL JOSEPH W II & CHELSIE J	7-12-1.3
F58	LOGSDON TERRY & DONNA	7-12-1.1
G59	YEATER JARED P & TERESA	7-12-6
H60	CUMPTON SANDRA & KEITH IRREVOCABLE TRUST	7-12-5.1
I61	CUMPTON SANDRA & KEITH IRREVOCABLE TRUST	7-12-5
J62	EARNEST LLOYD & DONNA FAMILY TRUST	7-12-10.2
K63	TEDROW ROBERT A & ROSE M	7-12-7.1
L64	SCHERRICK KEITH A ET UX	7-12-7.2
M65	EARNEST LLOYD & DONNA FAMILY TRUST	7-12-10
N66	DARMAFALL JOSEPH W II &	7-12-1.6
O67	REID JAMES LAWRENCE ET UX	7-12-1.2
P68	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-3-6.2

02/24/2023

REVISIONS:	COMPANY:			
	OPERATOR'S		SONIA R MSH	
	WELL #		605H	
	DISTRICT:	COUNTY:	STATE:	DATE: 12-07-2022
	LIBERTY	MARSHALL	WV	DRAWN BY: TMF
				SCALE: N/A
				DRAWING NO: ACE-2257
				WELL LOCATION PLAT

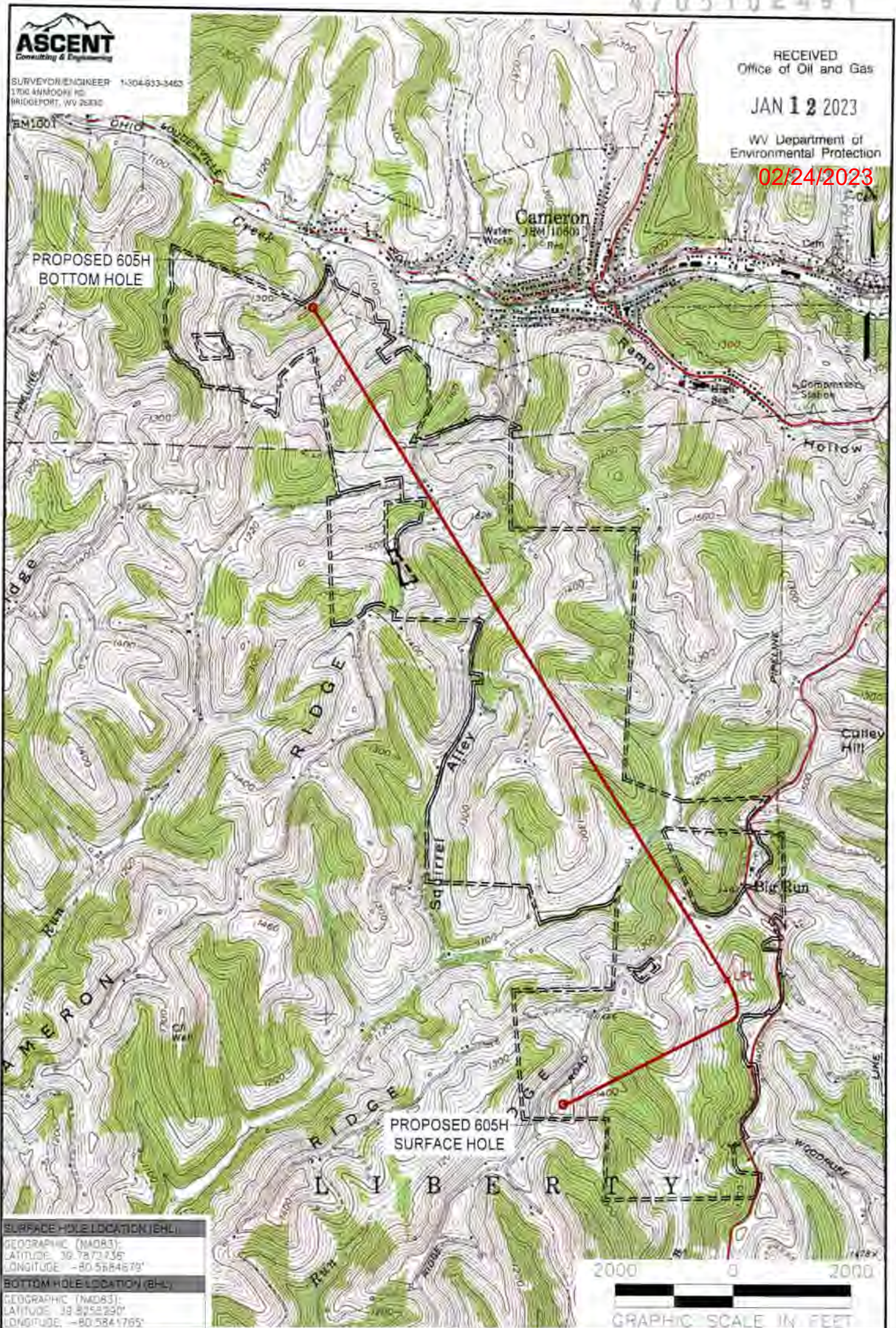
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SURVEYOR/ENGINEER 1-304-633-3463
1700 WINDOOR RD
BRIDGEPORT, WV 26302

RECEIVED
Office of Oil and Gas
JAN 12 2023
WV Department of
Environmental Protection

02/24/2023



SURFACE HOLE LOCATION (SHL)
 GEOGRAPHIC (NAD83):
 LATITUDE: 39.7872736°
 LONGITUDE: -80.5884679°

BOTTOM HOLE LOCATION (BHL)
 GEOGRAPHIC (NAD83):
 LATITUDE: 39.8752290°
 LONGITUDE: -80.5841765°

NOTES ON SURVEY

1. SURFACE AND BOTTOM HOLE INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM 30501-A SURVEY TAX MAP(S), MAP(S) PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL NOTES ARE GIVEN NORTH UNLESS OTHERWISE SPECIFIED.

LEGEND

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV SITE
- LEASE BOUNDARY
- PROPOSED (FAT)

WELL OPERATOR:
 SWN PRODUCTION COMPANY, LLC

ADDRESS:
 1300 FORT PIERPONT DRIVE, SUITE 201

SURFACE OWNER:
 JOHN C. RICHARDS, et al

WELL (FARM) NAME:
 SONIA R MSH

WELL # 605H **SERIAL #** XXXX

COUNTY - CODE MARSHALL - 25 **DISTRICT, LIBERTY**

USGS 7 1/2 QUADRANGLE MAP NAME
 WHEELING, WV