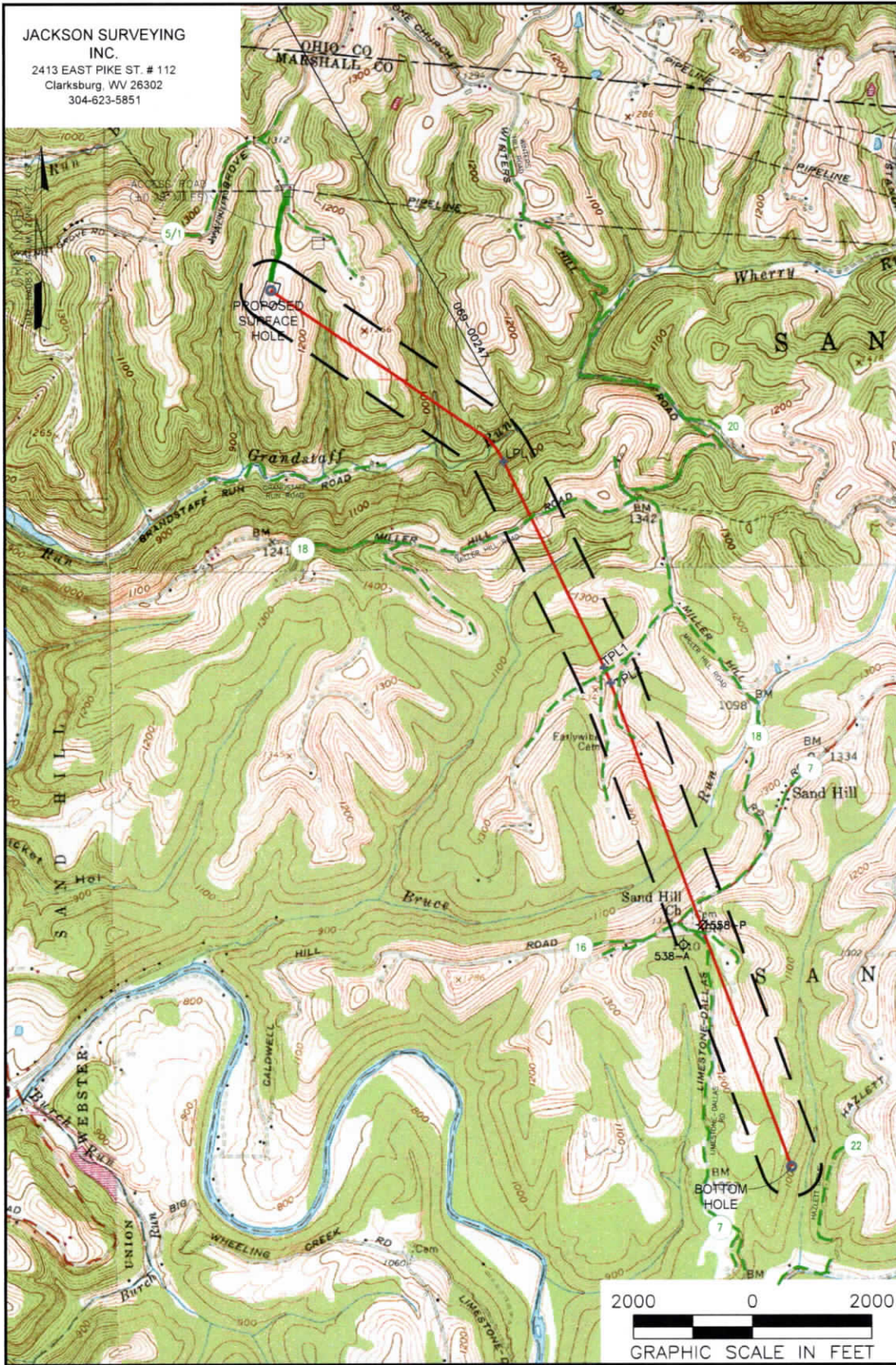


JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



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
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

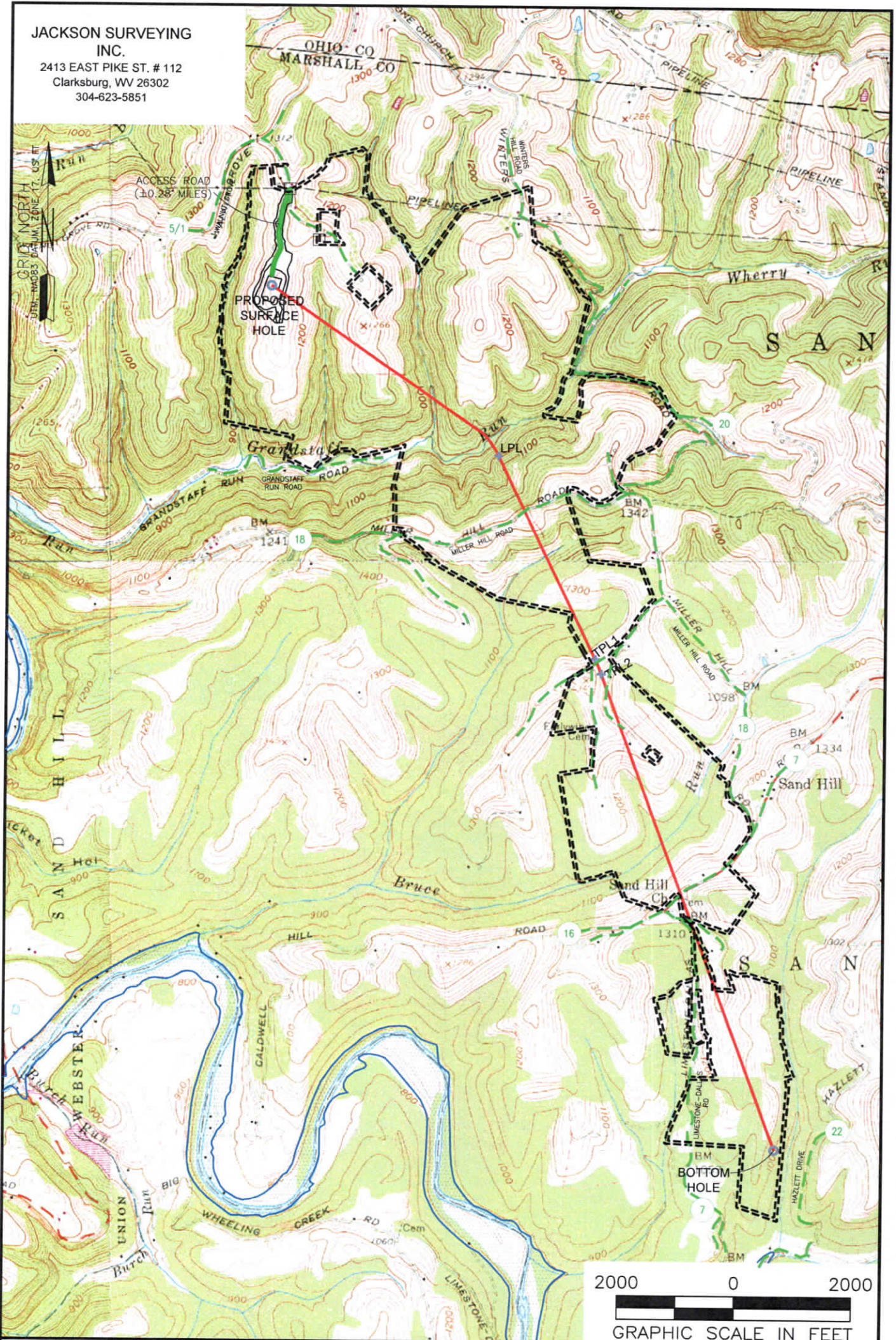
LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELLHEAD
- LPLX LANDING POINT LOCATION
- ⊡ FLOOD PLAIN
- ACCESS ROAD
- - - PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH	WELL # 410H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT: SANDHILL	
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN	USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV		

API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
051-00558-P	WEST VIRGINIA LAND RESOURCES, INC	Plugged	39.983538	-80.589374	1,781'	N/A	
051-00538-A	Unknown	Abandoned	39.982666	-80.590667	2,368'	2ND Salt Sand	
069-00247	SWN PRODUCTION COMPANY, LLC	Active	40.029949	-80.608026	6,426'	Marcellus	

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LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- LEASE BOUNDARY
- PROPOSED PATH

12/06/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH		WELL # 410H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508		COUNTY - CODE MARSHALL - 051	DISTRICT; SANDHILL		
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN		USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV			

Latitude: 40°02'30"

SURFACE HOLE 8,806'

Latitude: 40°00'00"

BOTTOM HOLE 172'

JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

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

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,247.784 EASTING: 532,875.792

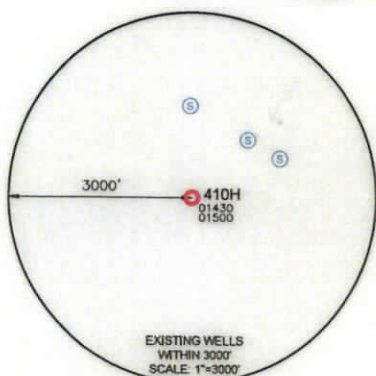
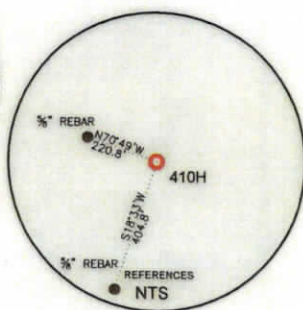
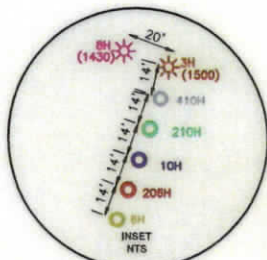
LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,375.648 EASTING: 534,065.014

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS): NORTHING: 4,424,788.136 EASTING: 535,528.398

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Rows include L1, L2, L3, L4 with specific survey data.



Longitude: 80°35'00" Longitude: 80°35'00" BOTTOM HOLE 10,017' SURFACE HOLE 10,520'

WELL RESTRICTIONS

- 1. THERE ARE TWO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

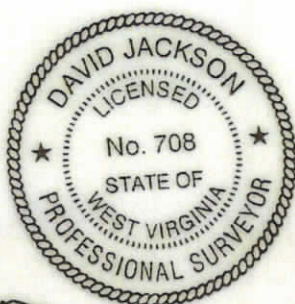
NOTES ON SURVEY

- 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.
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4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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. 708

David L Jackson



COMPANY: SWN Production Company, LLC

STATE OF WEST VIRGINIA 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)

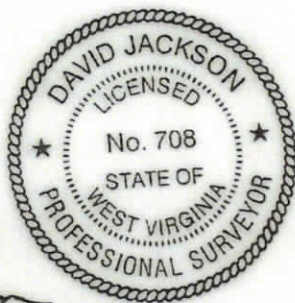
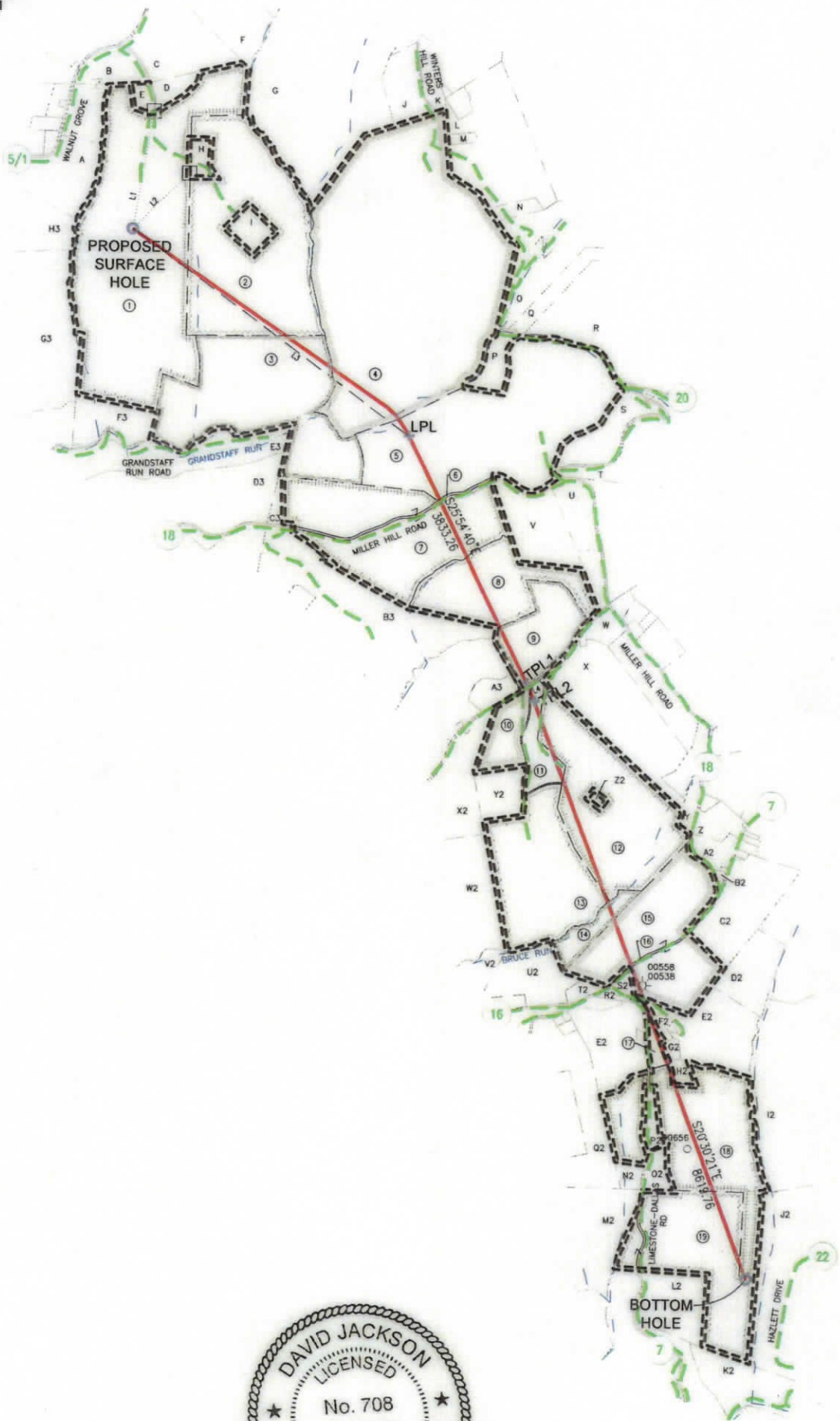
MICHAEL SOUTHWORTH MSH OPERATOR'S WELL #: 410H API WELL #: 47 051 D2523 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) DISTRICT: SANDHILL COUNTY: MARSHALL SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN OIL & GAS ROYALTY OWNER: BARRY A. & KIMBERLY S. LITMAN 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: 6,574 TVD 21,129 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 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 SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH REVISIONS: DATE: 04-05-2024 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT



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P.S. 708

David L Jackson

REVISIONS:	COMPANY:		 		DATE: 04-05-2024
	OPERATOR'S		MICHAEL SOUTHWORTH MSH		DRAWN BY: N. MANO
	WELL #:		410H		SCALE: N/A
	DISTRICT:	COUNTY:	STATE:		DRAWING NO:
	SANDHILL	MARSHALL	WV		WELL LOCATION PLAT 2

JACKSON SURVEYING
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ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	EDGE WILLIAM F JR - TOD ET AL	12-2-16
B	LITMAN JAMES M & LUCY A	12-2-16.1
C	VELLENOWETH SCOTT U ET UX	12-2-1.1
D	LITMAN BARRY A	12-2-10.2
E	RADCLIFFE JOHN D & ANNA M	12-2-10.1
F	BLATT THERESA L	12-2-23
G	BAIRD FAMILY TRUST	12-2-2
H	GREGORY JOHN W ET UX	12-2-9.1
I	REINEKE RICHARD S	12-2-9.2
J	MCFARLAND DANIEL W & VICKI L	12-2-24
K	MCFARLAND DANIEL W JR	12-2-4.1
L	HUNTER RODNEY J	12-3-14
M	HUNTER MARILYN DARLENE	12-3-14.2
N	MCFARLAND BRIAN MATTHEW	12-3-12.1
O	GANTZER GREGORY	12-3-12
P	PARKER PETER	12-2-6
Q	GANTZER GREGORY	12-3-11.1
R	MCVICKER R G JR	12-3-11
S	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-11
T	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-12
U	GODDARD THERESA M	12-8-9
V	GODDARD THERESA M	12-8-8
W	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-29.1
X	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-29
Y	FONNER TRAVIS R & STACEY L	12-8-26
Z	STORCH LOIS M	12-8-25
A2	WILSON TERRY WAYNE	12-8-24
B2	MCGINNIS ROY EUGENE EST - MCGINNIS TRAVIS	12-8-23
C2	STORCH LOIS M	12-11-12.2
D2	STORCH JOSEPH WILLIAM ET UX	12-11-13
E2	KLAGES MARY ANN	12-11-10
F2	KLAGES RONALD N	12-11-10.3
G2	HAZLET KELLI	12-11-10.1
H2	HILLBERRY BRANDON	12-11-9.4
I2	ULLOM BRIAN KEITH & SARAH ANN	12-11-14.3
J2	STRAWN JENNIFER	12-11-14.2
K2	WHEELING CREEK WATERSHED COMM	12-16-22
L2	CONSOL LAND DEVELOPMENT CO	12-16-18
M2	THOMAS RICHARD LEE BARTON	12-11-16
N2	HILLBERRY PAUL E JR	12-11-9.3
O2	LOUGHERY JAMES P JR & BROCK ROBIN M	12-11-9.2
P2	HOWARD JOYCE	12-11-9.1
Q2	GRAY DONALD G - TOD & GRAY WYATT MATTHEW	12-11-8
R2	M E CHURCH	12-11-17
S2	M E CHURCH TRUSTEES	12-11-11
T2	GRAY WYATT MATTHEW	12-11-8.6
U2	GRAY DONALD G - TOD & GRAY WYATT MATTHEW	12-11-8
V2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-4
W2	TOLAND WILLIAM EUGENE ET AL	12-8-33
X2	TOLAND MARGARET	12-8-32
Y2	WINTERS BEVERLY DIANE	12-8-31.2
Z2	KENT PERRY L	12-8-30.1
A3	TOLAND CARRIE M	12-8-33.1
B3	RICHEY RANDY ET UX	12-8-35
C3	TOTH JOHN J SR & ALICE - TRUST	12-8-4.1
D3	PORTER CARLA S	12-9-13
E3	G F P CORP	12-2-7
F3	G F P CORP	12-2-12
G3	WV BRIGHTMONT LLC	12-2-14
H3	EDGE WILLIAM F JR - TOD ET AL	12-2-15

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S/R)	12-2-10
2	SURFACE OWNER (S)	TAX PARCEL
2	REINEKE RICHARD S (S)	12-2-9
3	TDL&G LLC (S)	12-2-8
4	TUBAUGH NORMA HUNTER ET AL (S)	12-2-5
5	TOTH JOHN J SR & ALICE J REVOCABLE TRUST (S)	12-8-1
6	W VA DEPT OF HIGHWAYS (S)	Miller Hill Rd
7	TOTH JOHN J SR & ALICE - TRUST (S)	12-8-4
8	CORNELL SALLY SEIBERT & ROBERT (S)	12-8-5
9	SCHULTZ CHARLES E & CLAUDIA M - TOD (S)	12-8-6
10	JOHNSON LONI M & JAMES A (S)	12-8-31.1
11	ALAMINSKI LUCINDA RUTH (S)	12-8-31.3
12	GRAY ZANDE C (S)	12-8-30
13	WINTERS BEVERLY DIANE (S)	12-11-6
14	STORCH JOSEPH WILLIAM ET UX (S)	12-11-7
15	STORCH JOSEPH WILLIAM ET UX (S)	12-11-12
16	W VA DEPT OF HIGHWAYS (S)	Sand Hill Rd
17	KEYSER MARY ANN (S)	12-11-10.4
18	HILLBERRY GARRY L (S)	12-11-9
19	JUNKINS RONALD D JR ET AL (S)	12-11-15

*Highlighted Parcels may be impacted during drilling.

REVISIONS:	COMPANY:	 		DATE: 04-05-2024
	OPERATOR'S	MICHAEL SOUTHWORTH MSH		DRAWN BY: N. MANO
	WELL #:	410H		SCALE: N/A
	DISTRICT:	COUNTY:	STATE:	DRAWING NO:
	SANDHILL	MARSHALL	WV	WELL LOCATION PLAT 3