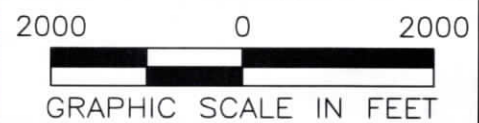
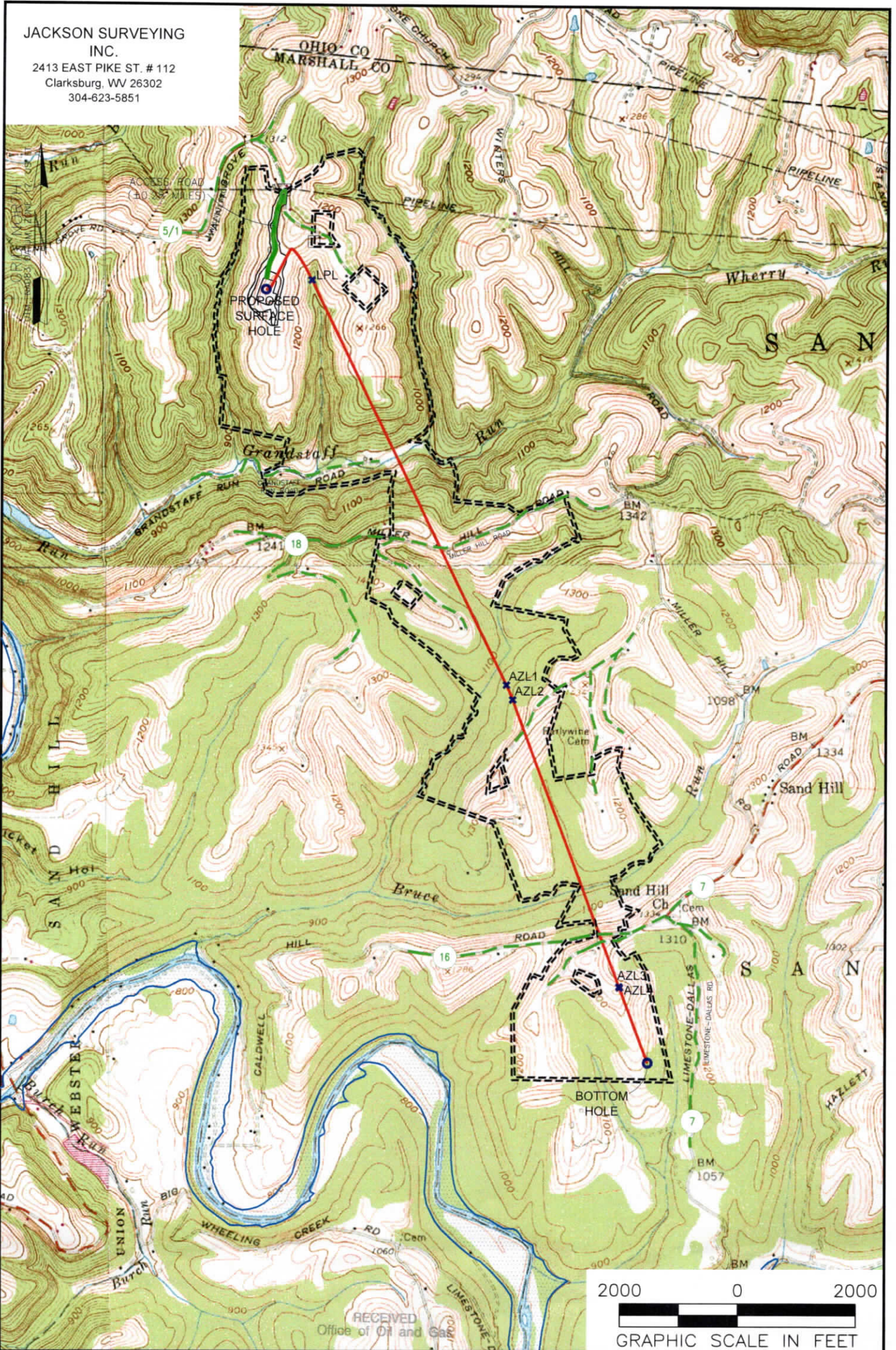


JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



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.

AUG 01 2024
 WV Department of Environmental Protection

- LEGEND:**
- PROPOSED SURFACE HOLE / BOTTOM HOLE
 - EXISTING / PRODUCING WELLHEAD
 - ✱ LANDING POINT LOCATION
 - FLOOD PLAIN
 - PUBLIC ROAD
 - ACCESS ROAD TO PREV. SITE
 - LEASE BOUNDARY
 - PROPOSED PATH

09/06/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH	WELL # 10H	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 8,816'

Latitude: 40°00'00"

BOTTOM HOLE

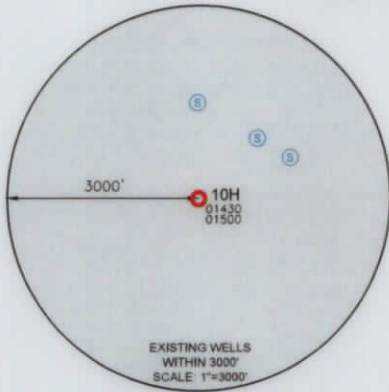
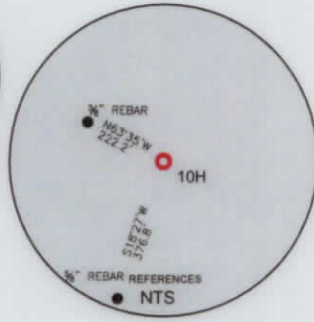
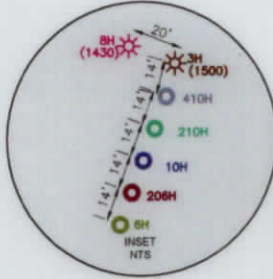
2,364'

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

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

Table with 2 columns: Location Type and UTM Coordinates (Northing, Easting).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Includes lines L1-L5 and L3-L4.



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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
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 SWN Production Company, LLC Production Company, LLC



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

MICHAEL SOUTHWORTH MSH OPERATOR'S WELL #: 10H API WELL #: 47 STATE 051 COUNTY 02518 PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [X] DEEP [] GAS [X] LIQUID INJECTION [] STORAGE [] SHALLOW [X] WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1271.0' STAKED DISTRICT: SANDHILL COUNTY: MARSHALL QUADRANGLE: VALLEY GROVE, WV SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776 OIL & GAS ROYALTY OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776 DRILL [X] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [X] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION [] CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [] (SPECIFY) TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,553 TVD 21,246 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

Table with 2 columns: LEGEND (Proposed Surface Hole, Existing Wellhead, Landing Point, Existing Water Well, Existing Spring) and REVISIONS/DATE.

BOTTOM HOLE 8,429'

SURFACE HOLE 10,546'

Longitude: 80°35'00"

Longitude: 80°35'00"

09/06/2024

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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*



09/06/2024
 47-051-02518

REVISIONS:	COMPANY:			DATE: 04-05-2024
				DRAWN BY: N. MANO
	OPERATOR'S	MICHAEL SOUTHWORTH MSH		SCALE: N/A
	WELL #:	10H		DRAWING NO:
	DISTRICT:	COUNTY:	STATE:	WELL LOCATION PLAT 2
	SANDHILL	MARSHALL	WV	



JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
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ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	LITMAN JAMES M & LUCY A	12-2-16.1
B	RADCLIFFE JOHN D & ANNA M	12-2-10.1
C	LITMAN BARRY A	12-2-10.2
D	VELLEN OWETH SCOTT U ET UX	12-2-1.1
E	BLATT THERESA L	12-2-23
F	BAIRD FAMILY TRUST	12-2-2
G	GREGORY JOHN W ET UX	12-2-9.1
H	REINEKE RICHARD S	12-2-9.2
I	TUBAUGH NORMA HUNTER ET AL	12-2-5
J	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-1
K	GODDARD THERESA M	12-8-8
L	CORNELL SALLY SEIBERT & ROBERT	12-8-5
M	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-6
N	TOLAND CARRIE M	12-8-33.1
O	JOHNSON LONI M & JAMES A	12-8-31.1
P	WINTERS BEVERLY DIANE	12-8-31.2
Q	TOLAND DAVID ET UX	12-8-33.2
R	ALAMINSKI WICINDA RUTH	12-8-31.3
S	GRAY ZANDE C	12-8-30
T	STORCH JOSEPH WILLIAM ET UX	12-11-7
U	STORCH JOSEPH WILLIAM ET UX	12-11-12
V	GRAY WYATT MATTHEW	12-11-8.6
W	GRAY DONALD G ET UX - TOD	12-11-8.2
X	RUNKLE MICHELLE LEE	12-11-8.1
Y	RUNKLE MICHELL LEE	12-11-8.7
Z	KLAGES MARY ANN	12-11-10
A2	HILLBERRY GARRY L	12-11-9
B2	HILLBERRY PAUL E JR	12-11-9.3
C2	THOMAS RICHARD LEE BARTON	12-11-16
D2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-4
E2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-8.4
F2	RAYMOND JOHN	12-11-8.9
G2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-8.3
H2	GRAY WYATT MATTHEW	12-11-8.5
I2	TEMPLE DONALD LEE	12-11-4.1
J2	TOLAND SONDR A J & WILLIAM E	12-9-17
K2	MERINAR CALVIN C - LIFE	12-9-18
L2	MERINAR CALVIN C - LIFE	12-9-16
M2	MERINAR CALVIN C - LIFE	12-8-34
N2	RICHEY DUSTIN & FELICIA FRANCIS	12-8-35.1
O2	MERINAR JAMES MARTIN ET UX	12-9-15.1
P2	MERINAR CALVIN C - LIFE	12-9-15
Q2	TOTH JOHN J SR & ALICE TRUST	12-8-4.1
R2	PORTER CARLA S	12-9-13
S2	GIBSON WILLIAM E	12-9-12
T2	G F P CORP	12-2-12
U2	WV BRIGHTMONT LLC	12-2-14
V2	EDGE WILLIAM F JR - TOD ET AL	12-2-15
W2	EDGE WILLIAM F JR - TOD ET AL	12-2-16

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S/R)	12-2-10
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINEKE RICHARD S (S)	12-2-9
3	TDL&G LLC (S)	12-2-8
4	G F P CORP (S)	12-2-7
5	TOTH JOHN J SR & ALICE - TRUST (S)	12-8-4
6	W VA OF DEPT OF HIGHWAYS (S)	Miller Hill Rd
7	RICHEY RANDY ET UX (S)	12-8-35
8	TOLAND WILLIAM EUGENE ET AL (S)	12-8-33
9	TOLAND MARGARET (S)	12-8-32
10	WINTERS BEVERLY DIANE (S)	12-11-6
11	GRAY DONALD G - TOD & GRAY WYATT MATTHEW (S)	12-11-8
12	W VA OF DEPT OF HIGHWAYS (S)	Caldwell Hill Rd
13	OHIO COUNTY COAL RESOURCES INC (S)	12-11-8.8

*Highlighted Parcels may be impacted during drilling.

09/06/2024
 47-051-02518

REVISIONS:	COMPANY:	 	
	OPERATOR'S	MICHAEL SOUTHWORTH MSH	DATE: 04-05-2024
	WELL #:	10H	DRAWN BY: N. MANO
	DISTRICT:	SANDHILL	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 3