

Latitude: 40°02'30"

SURFACE HOLE 8,816'

Latitude: 40°00'00"

BOTTOM HOLE 2,300'

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: 4,429,239.758 EASTING: 532,872.896
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,288.700 EASTING: 533,110.305
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,216.396 EASTING: 534,877.929

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 10°14'53" E	1705.97'	SHL TO LANDMARK	5/8" REBAR FOUND
L2	N 44°48'11" E	1141.22'	SHL TO LANDMARK	5/8" REBAR FOUND
L5	S 20°36'23" E	21.28'	AZL3 TO AZL4	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 78°21'06" E	795.28'	1472.24'	SHL TO LPL
L4	S 23°17'44" E	271.32'	271.41'	AZL1 TO AZL2



BOTTOM HOLE 8,602'

SURFACE HOLE 10,546'

Longitude: 80°35'00"

Longitude: 80°35'00"

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.
- NO 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 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

- 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 PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 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



GRAPHIC SCALE IN FEET

COMPANY: SWN 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 SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)

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

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

WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1271.0'

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 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: 6,552 TVD 21,430 TMD

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

LEGEND:	SURVEYED BOUNDARY	REVISIONS:	DATE: 11-26-2024
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	DRILLING UNIT		
☼ EXISTING / PRODUCING WELLHEAD	LEASE BOUNDARY		
LPL ✕ LANDING POINT LOCATION	PROPOSED PATH		
⊙ EXISTING WATER WELL			
⊙ EXISTING SPRING			

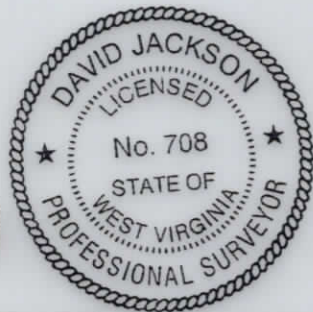
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P.S. 708 *David L Jackson*

12/20/2024

REVISIONS:	COMPANY:		
	OPERATOR'S	MICHAEL SOUTHWORTH MSH	
	WELL #:	10H	
	DISTRICT:	COUNTY:	STATE:
	SANDHILL	MARSHALL	WV
			DATE: 11-26-2024
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2

**JACKSON SURVEYING
INC.**

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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	VELLENOWETH 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 LUCINDA 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

*Highlighted Parcels may be impacted during drilling.

WELL BORE TRACTS

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S/R)	12-2-10
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

12/20/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	MICHAEL SOUTHWORTH MSH	DATE: 11-26-2024
	WELL #:	10H	DRAWN BY: N. MANO
	DISTRICT:	SANDHILL	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 3