

Latitude: 40°02'30"

SURFACE HOLE 8,821'

BOTTOM HOLE 7,989'

Latitude: 40°00'00"

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: 4,429,235.747
EASTING: 532,871.448

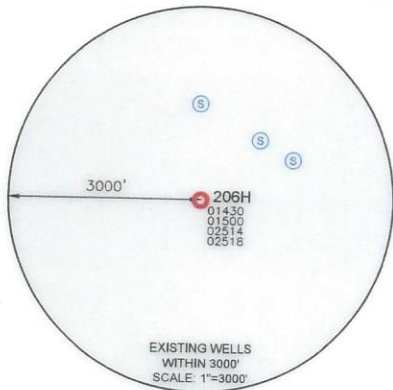
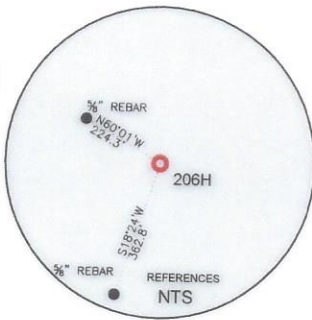
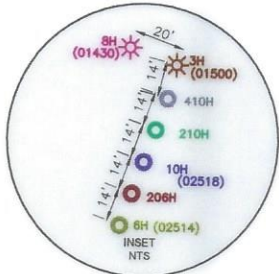
LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,429,064.254
EASTING: 532,410.096

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,427,425.533
EASTING: 533,134.250

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 10°19'33" E	1719.76'	SHL TO LANDMARK	5/8" REBAR FOUND
L2	N 44°30'36" E	1153.92'	SHL TO LANDMARK	5/8" REBAR FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 69°36'32" W	1614.81'	2291.55'	SHL TO LPL



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.

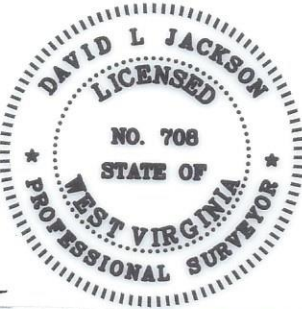
NOTES ON SURVEY

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 Production Company, LLC

MICHAEL SOUTHWORTH MSH
OPERATOR'S WELL #: 206H
API WELL #: 47 051 02521
STATE COUNTY PERMIT

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

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1270.9'
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) 10/18/2024
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,446 TVD 12,910 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:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	09-06-2024
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL* LANDING POINT LOCATION	== LEASE BOUNDARY	DRAWN BY: N. MANO
⊙ EXISTING WATER WELL	— PROPOSED PATH	SCALE: 1" = 2000'
⊙ EXISTING SPRING		DRAWING NO:
		WELL LOCATION PLAT

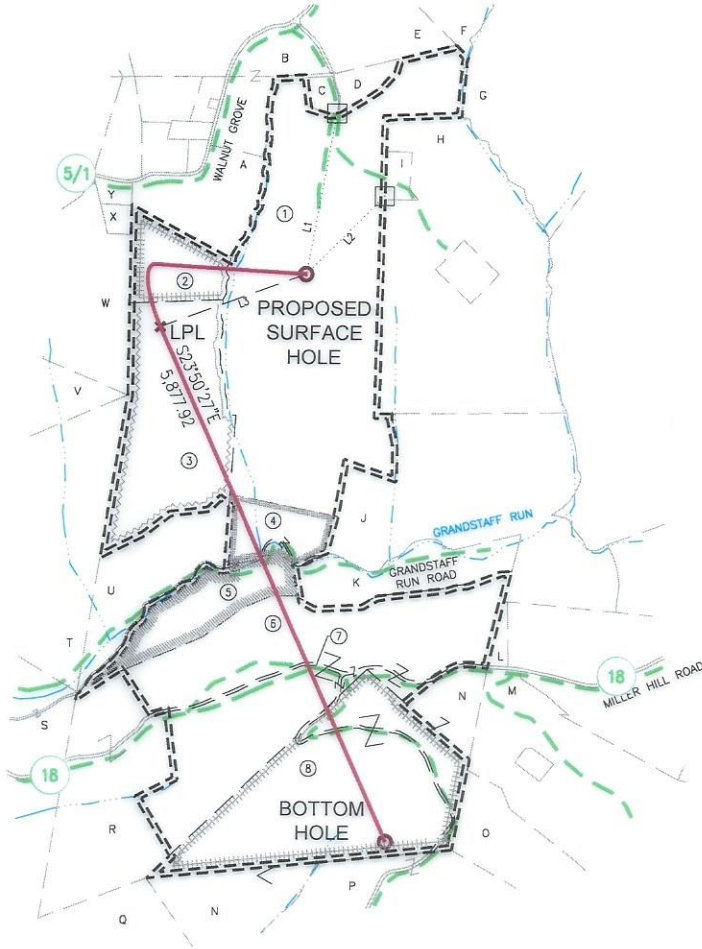
Longitude: 80°35'00"

Longitude: 80°35'00"

BOTTOM HOLE 1,325'

SURFACE HOLE 10,559'

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P.S. 708

David L Jackson

10/18/2024



REVISIONS:	COMPANY:		
		OPERATOR'S	DATE: 09-06-2024
		MICHAEL SOUTHWORTH MSH	DRAWN BY: N. MANO
		WELL #: 206H	SCALE: N/A
		DISTRICT: SANDHILL	DRAWING NO:
		COUNTY: MARSHALL	WELL LOCATION PLAT 2
		STATE: WV	

JACKSON SURVEYING
 INC.
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 Clarksburg, WV 26302
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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	RADCLIFFE JOHN D & ANNA M	12-2-10.1
D	LITMAN BARRY A	12-2-10.2
E	VELLENOWETH SCOTT U ET UX	12-2-1.1
F	BLATT THERESA L	12-2-23
G	BAIRD FAMILY TRUST	12-2-2
H	REINEKE RICHARD S	12-2-9
I	GREGORY JOHN W ET UX	12-2-9.1
J	TDL&G LLC	12-2-8
K	G F P CORP	12-2-7
L	TOTH JOHN J SR & ALICE - TRUST	12-8-4.1
M	RICHEY RANDY ET UX	12-8-35
N	MERINAR CALVIN C - LIFE	12-9-15
O	MERINAR CALVIN C - LIFE	12-8-34
P	MERINAR CALVIN C - LIFE	12-9-16
Q	FISHER CHARLES B & CARLA S	12-9-20
R	GRAY JOHN ALVIN EST	12-9-11
S	ISALY ROBERT A SR EST	12-9-9
T	EDGE WILLIAM JR & BARBARA ANN - TOD & DAVID WAYNE EDGE	12-9-8
U	ISALY ROBERT A SR EST	12-2-13
V	WHEELING POWER COMPANY	12-9-8.1
W	WV BRIGHTMONT LLC	12-1-16
X	GIZA ALEXANDER C & CHRISTOPHER C	12-1-16.2
Y	GIZA ALEXANDER C & CHRISTOPHER C	12-1-16.1

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S)	12-2-10
	SURFACE OWNER (S)	TAX PARCEL
2	EDGE WILLIAM F JR - TOD ET AL (S)	12-2-15
3	WV BRIGHTMONT LLC (S)	12-2-14
4	G F P CORP (S)	12-2-12
5	GIBSON WILLIAM E (S)	12-9-12
6	PORTER CARLA S (S)	12-9-13
7	W VA DEPT OF HIGHWAYS (S)	MILLER HILL RD
8	MERINAR JAMES MARTIN ET UX (S)	12-9-15.1

10/18/2024

REVISIONS: 4705102521	COMPANY:		 	
	OPERATOR'S		MICHAEL SOUTHWORTH MSH	
	WELL #:		206H	
	DISTRICT:	COUNTY:	STATE:	DATE: 09-06-2024
	SANDHILL	MARSHALL	WV	DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 3