

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
- ✱ LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> MICHAEL SOUTHWORTH MSH	<b>WELL #</b> 210H	<b>SERIAL #</b>
<b>ADDRESS:</b> 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	<b>COUNTY - CODE</b> MARSHALL - 051	<b>DISTRICT;</b> SANDHILL	
<b>SURFACE OWNER:</b> BARRY A. & KIMBERLY S. LITMAN	<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> WILEYVILLE, WV		

WV Department of  
 Environmental Protection

RECEIVED  
 Office Of Oil and Gas  
 DEC 10 2024

12/10/2024

Latitude: 40°02'30"

SURFACE HOLE 8,811'

Latitude: 40°00'00"

BOTTOM HOLE 1,493'

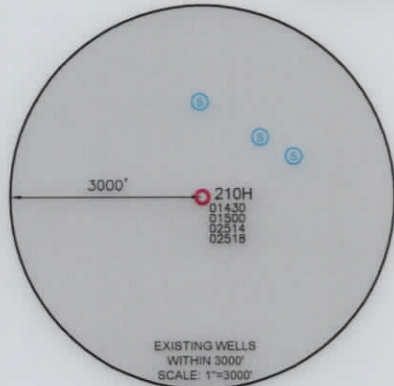
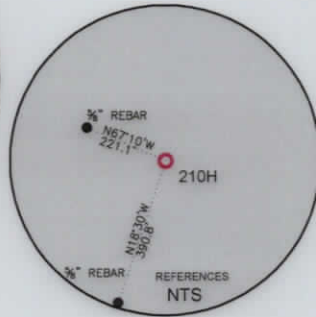
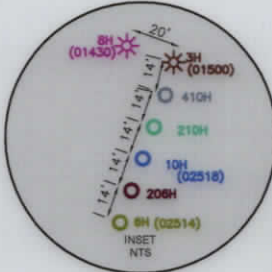
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Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1 through L12 and L3 through L10.

Table with columns: SURFACE HOLE LOCATION (SHL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Contains UTM coordinates for each location.

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



Longitude: 80°35'00"
Longitude: 80°35'00"
SURFACE HOLE 10,533'
BOTTOM HOLE 8,616'

WELL RESTRICTIONS

- 1. NO 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.

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2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. 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



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY: SWN Production Company, LLC

STATE OF WEST VIRGINIA logo, WVDEP OFFICE OF OIL & GAS, 601 57TH STREET, CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

MICHAEL SOUTHWORTH MSH
OPERATOR'S WELL #: 210H
API WELL #: 47 STATE, 051 COUNTY, 02522 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'
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: 6,559 TVD 23,366 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

Table with columns: LEGEND, REVISIONS, DATE. Contains symbols for proposed surface hole, existing wellhead, landing point, water well, spring, surveyed boundary, drilling unit, lease boundary, proposed path.

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P.S. 708 *David L Jackson*



12/20/2024

REVISIONS:	COMPANY:		
	OPERATOR'S	MICHAEL SOUTHWORTH MSH	DATE: 11-26-2024
	WELL #:	210H	DRAWN BY: N. MANO
	DISTRICT:	SANDHILL	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2

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WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S)	12-2-10
2	LITMAN BARRY A (S)	12-2-10.2
3	REINEKE RICHARD S (S)	12-2-9
4	REINEKE RICHARD S (S)	12-2-9.2
5	TDL&G LLC (S)	12-2-8
6	TUBAUGH NORMA HUNTER ET AL (S)	12-2-5
7	TOTH JOHN J SR & ALICE J REVOCABLE TRUST (S)	12-8-1
8	TOTH JOHN J SR & ALICE - TRUST (S)	12-8-4
9	W VA DEPT OF HIGHWAYS (S)	MILLER HILL RD
10	CORNELL SALLY SEIBERT & ROBERT (S)	12-8-5
11	RICHEY RANDY ET UX (S)	12-8-35
12	TOLAND WILLIAM EUGENE ET AL (S)	12-8-33
13	TOLAND CARRIE M (S)	12-8-33.1
14	TOLAND MARGARET (S)	12-8-32
15	JOHNSON LONI M & JAMES A (S)	12-8-31.1
16	WINTERS BEVERLY DIANE (S)	12-8-31.2
17	WINTERS BEVERLY DIANE (S)	12-11-6
18	STORCH JOSEPH WILLIAM ET UX (S)	12-11-7
19	STORCH JOSEPH WILLIAM ET UX (S)	12-11-12
20	GRAY DONALD G - TOD & WYATT MATTHEW (S)	12-11-8
21	GRAY WYATT MATTHEW (S)	12-11-8.6
22	W VA DEPT OF HIGHWAYS (S)	CALDWELL HILL RD
23	SANDHILL CEMETERY TRUST (S)	12-11-10.2
24	KLAGES MARY ANN (S)	12-11-10
25	HILLBERRY GARRY L (S)	12-11-9
26	LOUGHERY JAMES P JR. & BROOK ROBIN M (S)	12-11-9.2

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	VELLENOWETH SCOTT U ET UX	12-2-1.1
B	BLATT THERESA L	12-2-23
C	BAIRD FAMILY TRUST	12-2-2
D	GREGORY JOHN W ET UX	12-2-9.1
E	MCFARLAND DANIEL W & VICKI L	12-2-24
F	MCFARLAND DANIEL W JR	12-2-4.1
G	HUNTER RODNEY J	12-3-14
H	HUNTER MARILYN DARLENE	12-3-14.2
I	MCFARLAND BRIAN MATTHEW	12-3-12.1
J	GANTZER GREGORY	12-3-12
K	PARKER PETER	12-2-6
L	GANTZER GREGORY	12-3-11.1
M	MCVICKER R G JR	12-3-11
N	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-11
O	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-12
P	GODDARD THERESA M	12-8-9
Q	GODDARD THERESA M	12-8-8
R	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-6
S	ALAMINSKI LUCINDA RUTH	12-8-31.3
T	GRAY ZANDE C	12-8-30
U	STORCH LOIS M	12-11-12.2
V	STORCH JOSEPH WILLIAM ET UX	12-11-13
W	M E CHURCH TRUSTEES	12-11-11
X	KLAGES RONALD N	12-11-10.3
Y	HAZLETT KELLI & JUDITH BURGESS	OUTSALE FROM 12-11-10
Z	HILLBERRY BRANDON	12-11-9.4
A2	HAZLETT KELLI	12-11-10.1
B2	KEYSER MARY ANN	12-11-10.4
C2	M E CHURCH	12-11-17
D2	ULLOM BRIAN KEITH & SARAH ANN	12-11-14.3
E2	STRAWN JENNIFER	12-11-14.2
F2	JUNKINS RONALD D JR ET AL	12-11-15
G2	THOMAS RICHARD LEE BARTON	12-11-16
H2	HILLBERRY PAUL E JR	12-11-9.3
I2	HOWARD JOYCE	12-11-9.1
J2	OHIO COUNTY COAL RESOURCES INC	12-11-8.8
K2	RAYMOND JOHN	12-11-8.9
L2	RUNKLE MICHELL LEE	12-11-8.7
M2	GRAY DONALD G ET UX - TOD	12-11-8.2
N2	RUNKLE MICHELL LEE	12-11-8.1
O2	GRAY WYATT MATTHEW	12-11-8.5
P2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-8.3
Q2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-8.4
R2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-4
S2	TEMPLE DONALD LEE	12-11-4.1
T2	TOLAND SONDR A J & WILLIAM E	12-9-17
U2	TOLAND DAVID ET UX	12-8-33.2
V2	MERINAR CALVIN C - LIFE	12-9-18
W2	MERINAR CALVIN C - LIFE	12-9-16
X2	MERINAR CALVIN C - LIFE	12-8-34
Y2	RICHEY DUSTIN & FELICIA	12-8-35.1
Z2	MERINAR JAMES MARTIN ET UX	12-9-15.1
A3	MERINAR CALVIN C - LIFE	12-9-15
B3	TOTH JOHN J SR & ALICE TRUST	12-8-4.1
C3	PORTER CARLA S	12-9-13
D3	G F P CORP	12-2-7
E3	G F P CORP	12-2-12
F3	WV BRIGHTMONT LLC	12-2-14
G3	EDGE WILLIAM F JR - TOD ET AL	12-2-15
H3	EDGE WILLIAM F JR - TOD ET AL	12-2-16
I3	LITMAN JAMES M & LUCY A	12-2-16.1
J3	RADCLIFFE JOHN D & ANNA M	12-2-10.1

\*Highlighted Parcels may be impacted during drilling.

12/20/2024

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	DISTRICT:	SANDHILL	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 3