

**JACKSON SURVEYING INC.**

P.O. Box 1460  
677 W. Main St.  
Clarksburg, WV 26302  
304-623-5851

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,145.929 EASTING: 535,443.465
<b>LANDING POINT (LPT):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,110.864 EASTING: 535,667.585
<b>AZIMUTH TURN (AZT):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,562.921 EASTING: 536,724.765
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,985.805 EASTING: 537,028.618

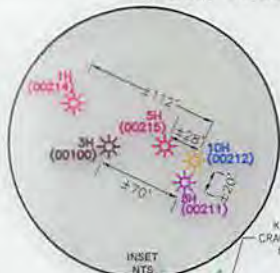
Latitude: 40°02'30"

BOTTOM HOLE 6818'

<b>SURFACE HOLE LOCATION (SHL):</b>
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LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 1°01'05" W	3037.81'	SHL TO LANDMARK	SPIKE FOUND
L2	S 78°20'29" E	1102.55'	SHL TO LANDMARK	FENCE POST FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 83°06'39" E	746.07'	1259.33'	SHL TO LP

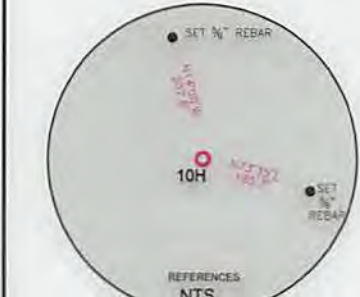
GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



BOTTOM HOLE 4875'

Latitude: 80°32'30"

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.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- 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 ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 10H API WELL #: 47 069 00212 STATE COUNTY PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: TANYARD RUN OF MIDDLE WHEELING CREEK DISTRICT: TRIADELPHIA COUNTY: OHIO SURFACE OWNER: DEBORAH ANN CRAIG OIL & GAS ROYALTY OWNER: DEBORAH ANN CRAIG

DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) ASDRILLED	TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,690 TVD 15,291 TMD
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378	DESIGNATED AGENT: DEE SOUTHALL ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378	REVISIONS: _____ DATE: 09-08-2017 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT





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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	DEBORAH ANN CRAIG (S/R)	06-T13-16	84.63
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	WM. A. LANGMYER & M.J. LANGMYER (S)	06-T13-17.2	21.61
3	ROBERT LEECH (S)	06-T13-17	22.06
4	RONALD W. MEYER (S)	06-T14-02	91.58
5	NELLIE M. FISHER L.E. & DEBORAH A. CRAIG (S)	06-T14-05	90.081
6	ROI ANN CRAIG (S)	06-T14-05.1	6.883
7	WHEELING CREEK WATERSHED PROTECTION & FLOOD PROTECTION COMM (S)	06-T14-06	251.16
8	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (S)	WV COUNTY RT. 39/6	
9	CHARLES T. HOHMAN & MARY S. HOHMAN (S)	06-T14-10.3	8.514
10	CHARLES T. HOHMAN & M.S. HOHMAN (S)	06-T14-07	5.848
11	BETH ANN STEPHEN ET AL (S)	06-T14-08	14.251
12	JAMES A. MITCHAM & B.A. MITCHAM (S)	06-T19-1.14	59.522
13	JAMES A. MITCHAM & B.A. MITCHAM (S)	06-T19-1.12	25.00

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	DEBORAH ANN CRAIG	06-T8-50	1.924
B	RONALD W. MEYER	06-T14-2.2	0.712
C	RONALD W. MEYER	06-T14-2.3	0.41
D	MATTHEW J. CROFT & SADIE L. CROFT	06-T14-61	5.92
E	DONALD L. MOFFITT JR. & L.L. MOFFITT	06-T14-3.3	2.032
F	ROBERT F. LEECH & DEBORAH A. LEECH	06-T14-4.1	7.1
G	JOHN E. VASCAVITCH & DEBORAH VASCAVITCH	06-T14-2.1	1.04
H	CAROLE ANN GRIFFITH	06-T14-4	12.7
I	SETH C. CRAIG	06-T14-5.2	4.309
J	JOHN M. WEITZEL & ANGELA L. WEITZEL	06-T14-9.1	1.695
K	JOHN E. WEITZEL & T.M. WEITZEL	06-T14-9	9.094
L	WHEELING CREEK WATERSHED PROTECTION & FLOOD PREVENTION COMMISSION	06-T14-6.1	2.00
M	JACK MITCHAM & ROSE MITCHAM-LE: JAMES A. MITCHAM & BERNICE MITCHAM	06-T19-1.13	9.234
N	MARY E. HELT & PAUL T. HELT	06-T19-1.3	8.348
O	JANICE A. MITCHAM & BERNICE A. MITCHAM	06-T19-1.18	1.717
P	JAMES A. MITCHAM & BERNICE A. MITCHAM	06-T19-1.15	0.93
Q	JAY MICHAEL IRWIN	06-T19-14.1	0.281
R	ROBERT A. MITCHAM & MARIECA J. MITCHAM	06-T19-1.19	0.288
S	LOUIS WHITECOTTEN & SHARON WHITECOTTEN-LE P.L. HENDERSON & D.A. WHITECOTTEN	06-T19-1.9	1.779
T	SUSAN E. OBERLE	06-T18-1.22	1.8
U	GEORGE W. HELDEFFER & JUDITH D. HELDEFFER	06-T18-9.1	1.8
V	GARY R. HUGHES & W.C. HUGHES	06-T18-11.4	0.659
W	JOHN SCHMITT	06-T18-13.3	1.673
X	STEPHEN P. SCHMITT	06-T19-16.2	1.24
Y	STEPHEN P. SCHMITT	06-T18-13.1	1.47
Z	E.R. DIETRICH	06-T13-18.2	0.83
AA	E.R. DIETRICH	06-T13-18.1	0.409
BB	WILLIAM LANGMYER & MARY J. LANGMYER	06-T13-14.1	3.6
CC	ROBERT E. CROW JR.	06-T18-17.1	1.41

03/02/2018

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DEBORAH CRAIG OHI	
	WELL #:	10H	
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 09-08-2017
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2