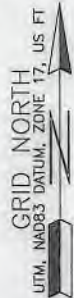


JACKSON SURVEYING INC.

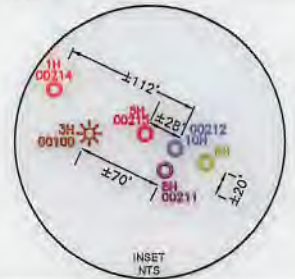
2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,432,142.255 EASTING: 535,451.189
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,432,970.899 EASTING: 535,610.256
AZIMUTH TURN 1 (AZT-1):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,400.657 EASTING: 536,677.820
AZIMUTH TURN 2 (AZT-2):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,348.168 EASTING: 536,710.842
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,806.382 EASTING: 537,025.384



Latitude: 40°02'30"

BOTTOM HOLE 6834'



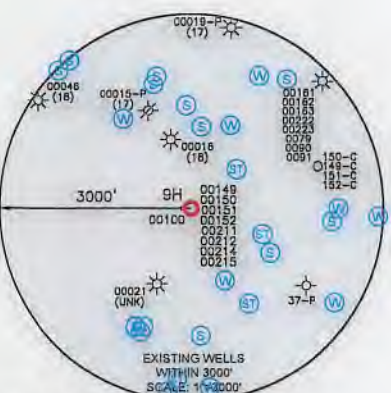
BOTTOM HOLE 5467'

Latitude: 80°32'30"

Surface Hole 12954'

Longitude: 80°35'00"

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 13°25'49" W	3055.35'	SHL TO LANDMARK	SPIKE FOUND
L2	S 79°43'23" E	1075.44'	SHL TO LANDMARK	FENCE POST FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 42°52'12" E	767.08'	821.43'	SHL TO LP
L4	S 32°10'29" E	203.45'	203.49'	TP1 TO TP2



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. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. 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.
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



(+) 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)

COMPANY: **SWN** Production Company, LLC

DEBORAH CRAIG UD OHI

OPERATOR'S WELL #: 9H

API WELL #: 47 STATE 069 COUNTY 00323 PERMIT

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

WATERSHED: TARYARD RUN OF MIDDLE WHEELING CREEK

DISTRICT: TRIADDELPHIA COUNTY: OHIO

SURFACE OWNER: DEBORAH ANN CRAIG & SETH COLLIN CRAIG

OIL & GAS ROYALTY OWNER: DEBORAH ANN CRAIG & SETH COLLIN CRAIG

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: BURKET ESTIMATED DEPTH: 6,512 TVD 15,184 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT RD. SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT RD. SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, PROPOSED PATH

REVISIONS: DATE: 08-08-2019

DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	DEBORAH ANN CRAIG & SETH COLLIN CRAIG (S/R)	06-T13-16	84.63
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	WILLIAM LANGMYER & MARY J. LANGMYER (S)	06-T13-17.2	21.61
3	KRISTOPHER TARRANT & KRISTI TARRANT (S)	06-T13-17	22.06
4	ROBERT E. CROW JR. (S)	06-T13-17.1	1.41
5	NELLIE M. FISHER (LIFE ESTATE), DEBORAH A. CRAIG (REMAINDERMAN) (S)	06-T14-05	78.808
6	MATTHIAS C. & ROI ANN HUONKER (S)	06-T14-5.1	6.883
7	WHEELING CREEK WATERSHED PROTECTION & FLOOD PROTECTION COMMISSION (S)	06-T14-06	251.16
8	MIDDLE WHEELING CREEK ROAD (S)	WVDOT	8.8907
9	CHARLES T. HOHMAN & MARY S. HOHMAN (LIFE ESTATE), HEIDI SUE HOHMAN & JODIE KAY HOHMAN (REMAINDERMAN) (S)	06-T14-7	5.848
10	JAMES A. MITCHAM & BERNICE ANN MITCHAM (S)	06-T19-1.14	59.522
11	JAMES A. MITCHAM & BERNICE ANN MITCHAM (S)	06-T19-1.12	25.00

*WVDOT REPRESENTS WEST VIRGINIA DEPARTMENT OF TRANSPORTATION.

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	KENNETH W. CRAIG & L CRAIG	06-T8-53	57.89
B	DEBORAH ANN CRAIG & SETH COLLIN CRAIG	06-T8-50	1.924
C	KENNETH W. CRAIG & L. CRAIG	06-T8-53	57.89
D	JACK & ROSE MITCHAM, LE: JAMES A. & BERNICE MITCHAM	06-T19-1.13	9.234
E	MARY E. & PAUL T. HELT	06-T19-1.3	8.348
F	JAMES A. & BERNICE A. MITCHAM	06-T19-1.18	1.717
G	JAMES A. & BERNICE A. MITCHAM	06-T19-1.15	0.93
H	JAY MICHAEL IRWIN	06-T19-14.1	0.281
I	ROBERT A. & MARIECA J. MITCHAM	06-T19-1.19	0.288
J	LOUIS & SHARON WHITECOTTEN-LE P.L. HENDERSON & D.A. WHITECOTTON	06-T19-1.9	1.779
K	SUSAN E. MURPHY	06-T19-1.22	1.24
L	GEORGE W. & JUDITH D. HELDEFFER	06-T18-9.1	1.8
M	GARY R. & W.C. HUGHES	06-T18-11.4	0.659
N	JOHN H. SCHMITT	06-T18-13.3	1.673
O	STEPHEN P. SCHMITT	06-T18-13.1	1.47
P	STEPHEN P. SCHMITT	06-T18-16.2	1.8
Q	E.R. DIETRICH	06-T13-18.2	0.83
R	E.R. DIETRICH	06-T13-18.1	0.409
S	WILLIAM LANGMYER & MARY J. LANGMYER	06-T13-14.1	3.60

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R₂} ^{V+0}
A
Production Company™

OPERATOR'S DEBORAH CRAIG UD OHI

DATE: 08-08-2019

WELL #: 9H

DRAWN BY: N. MANO

DISTRICT:
TRIADELPHIA

COUNTY:
OHIO

STATE:
WV

SCALE: N/A

DRAWING NO:

WELL LOCATION PLAT 2