

JACKSON SURVEYING INC.

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

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,745.692
EASTING: 572,042.582

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,631.440
EASTING: 571,742.292

BOTTOM HOLE LOCATION (BHL):

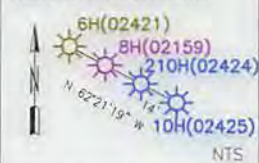
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,378,664.998
EASTING: 572,439.597

REFERENCES



NTS

REFERENCES TO PROPOSED HORIZONTAL WELLS SURFACE LOCATIONS



NTS

Table with columns: TRACT, ADJOINING SURFACE OWNER (S), TAX PARCEL, ACRES. Lists various tracts and owners like Monongahela Power Co, Quality Reclamation Services, etc.

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION. Lists line bearings and distances like 62°26'46" E, 881.42'.

NOTES ON SURVEY

- 1. COORDINATE SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.

LEGEND section containing symbols for WATERWELL (W), SPRING (S), STREAM (ST), SURFACE OWNER (S), DIVISION LINES BETWEEN LEASE TRACTS, ADJOINERS LINES, ASBUILT PATH, and PROPOSED PATH.

SURFACE HOLE LOCATION (SHL):

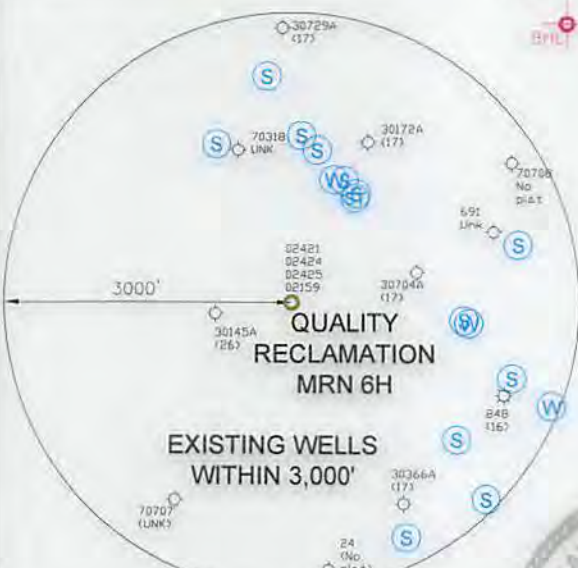
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,745.692
EASTING: 572,042.582

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,645.502
EASTING: 571,743.853

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,378,680.202
EASTING: 572,425.827



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

State of West Virginia logo and WVDEP Office of Oil & Gas address: 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. Quality Reclamation Operator's Well #: MRN 6H. API Well #: 47, 049, 02421.

WELL TYPE: OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW. WATERSHED: ARNETT RUN OF MONONGAHELA RIVER. DISTRICT: PAW PAW. COUNTY: MARION. SURFACE OWNER: QUALITY RECLAMATION SERVICES, LLC. OIL & GAS ROYALTY OWNER: JAMES & DOROTHY ICE, ET AL.

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.

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING. REVISIONS: SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ASDRILLED PATH, PROPOSED PATH. DATE: 09-08-2017. FILE NO. DRAWN BY: N. MANO. SCALE: 1" = 2000'. DRAWING NO. WELL LOCATION PLAT.