

SHL

9,118'

BHL

2,605'

JACKSON SURVEYING INC.

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

Latitude: 39°47'30" N

NOTES ON SURVEY

- 1. COORDINATES 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.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
8. ALL WELLS WITHIN 500' OF THE HORIZONTAL LEG ARE SHOWN ON THIS PLAT BASED UPON INFORMATION TAKEN FROM DEP MAPPING AND AERIAL PHOTOS.

Table with 4 columns: TRACT, SURFACE OWNER (S) / ROYALTY OWNER (R), TAX PARCEL, ACRES. Lists 13 tracts with owner names and acreage.

SURFACE HOLE LOCATION (SHL):

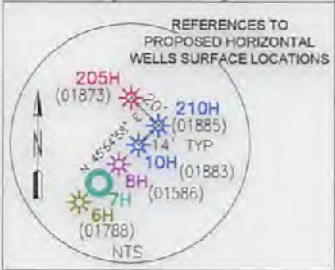
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,401,982.369
EASTING: 532,908.000

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,402,361.136
EASTING: 533,355.176

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,401,065.230
EASTING: 534,897.546

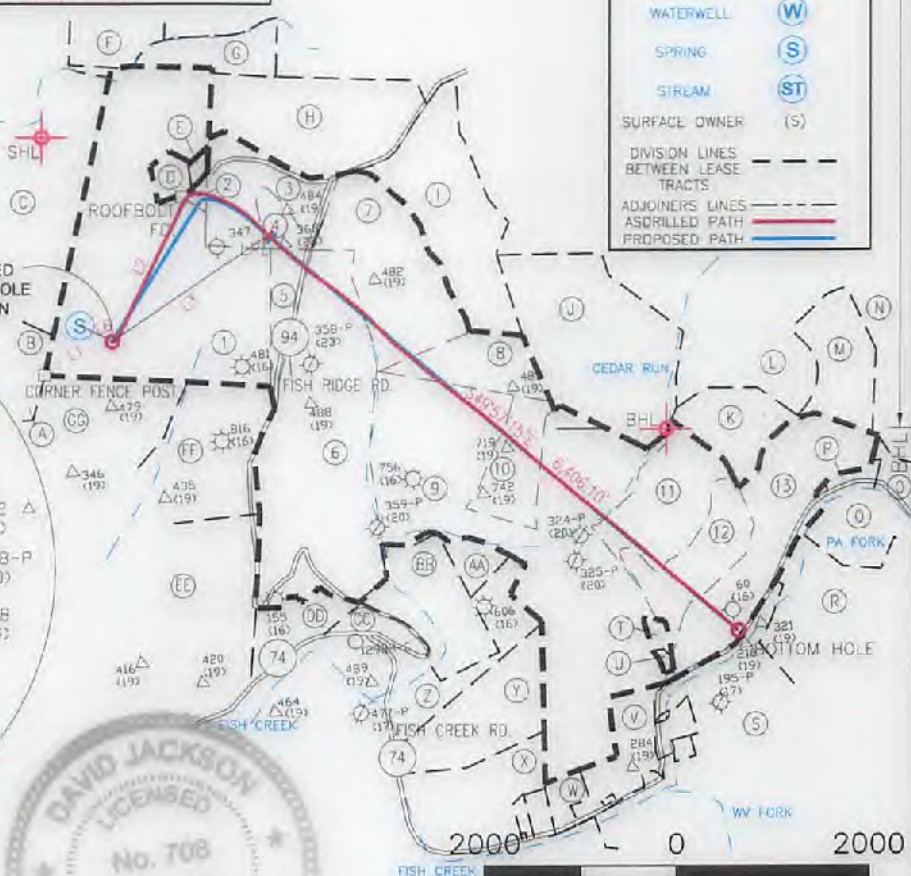
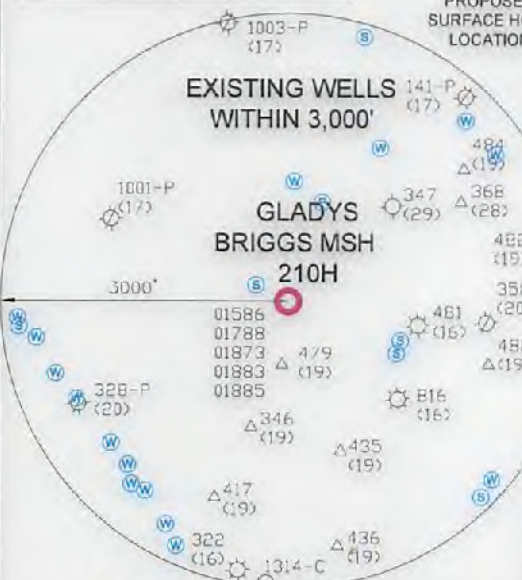


SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,401,982.387
EASTING: 532,907.978
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,402,321.740
EASTING: 533,402.496
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,401,065.449
EASTING: 534,897.259

Table with 4 columns: LINE, BEARING, DISTANCE, DESCRIPTION. Lists lines L1 through L6 with bearings and distances.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Lists lines L3 and L4 with bearings, distances, and curve lengths.

LEGEND: WATERWELL (W), SPRING (S), STREAM (ST), SURFACE OWNER (S), DIVISION LINES BETWEEN LEASE TRACTS, ADJOINERS LINES, ASDRILLED PATH, PROPOSED PATH.



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

Table with 2 columns: Well information (WVDEP, Office of Oil & Gas) and Well details (Minimum Degree of Accuracy, Proven Source of Elevation, Operator's Well #, API Well #, State, County, Permit).

Form with fields for Well Type (Oil, Waste Disposal, Production, Deep, Gas, Liquid Injection, Storage, Shallow), Watershed (Fish Creek of Upper Ohio River 2), District (Liberty), County (Marshall), Surface Owner, Oil & Gas Royalty Owner, Drill options, Convert options, Target Formation (Marcellus), Estimated Depth (7,194' TD).

Form with fields for Well Operator (SWN Production Company, LLC), Designated Agent (Dee Southall), Address (P.O. Box 1300, Jane Lew, WV 26378).

Table with 2 columns: Legend (Proposed Surface Hole, Existing Wellhead, Abandoned Well, etc.) and Revisions (Date: 07-10-2017, Drawn By: N. Mano, Scale: 1" = 2000').

09/15/2017