

Latitude: 40°15'00" N SURFACE HOLE 1,022'

Latitude: 40°12'30" W BOTTOM HOLE 9,435'

BOTTOM HOLE 958'

Latitude: 80°30'00" W

Longitude: 80°32'30" W SURFACE HOLE 10,765'

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: 4,452,324.738
EASTING: 538,685.931

LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,206.667
EASTING: 538,999.708

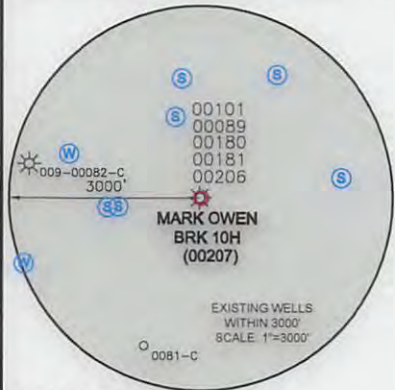
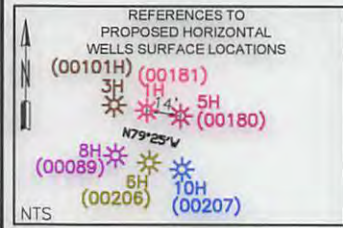
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,450,693.277
EASTING: 539,678.018

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

Table with columns: TRACT, SURFACE OWNER, TAX PARCEL, ACRES. Includes sections for BHL, SURFACE OWNER, ADJOINING OWNERS TABLE, and ADJOINING OWNERS TABLE.

Table with columns: SURFACE HOLE LOCATION (SHL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Includes UTM coordinates and bearings.

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Includes lines L1, L2, and L3.



WELL RESTRICTIONS

- List of 6 well restrictions including: NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.

NOTES ON SURVEY

- List of 4 notes on survey including: 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.

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

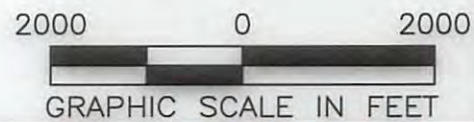


Table with columns: (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, WVDEP OFFICE OF OIL & GAS, MINIMUM DEGREE OF ACCURACY: 1/200, OPERATOR'S WELL #: MARK OWEN BRK 10H, API WELL #: 47, 009, 00207.

Form with fields: WELL TYPE: OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW; WATERSHED: BUFFALO CREEK; DISTRICT: BUFFALO; COUNTY: BROOKE; SURFACE OWNER: MARK W. OWEN & VIRGINIA BEALL KREUTZ; OIL & GAS ROYALTY OWNER: MARK W. OWEN, VIRGINIA BEALL KREUTZ, VIRGINIA W. RUSSELL & JOHN LATROBE; DRILL, DRILL DEEPER, REDRILL, FRACTURE OR STIMULATE, PLUG OFF OLD FORMATION, PERFORATE NEW FORMATION; CONVERT, PLUG & ABANDON, CLEAN OUT & REPLUG, OTHER CHANGE (SPECIFY) ASDRILLED; TARGET FORMATION: MARCELLUS; ESTIMATED DEPTH: 6,158 TMD, 11,815 TMD.

Form with fields: 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.

Table with columns: LEGEND (SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ASDRILLED PATH, PROPOSED PATH), REVISIONS, DATE: 06-04-2018, DRAWN BY: N. MANO, SCALE: 1" = 2000', DRAWING NO., WELL LOCATION PLAT.