



RETTEW Associates, Inc.
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Phone (800) 738-8395
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SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,330.748
EASTING: 539,818.60

LANDING POINT LOCATION (LP):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,176.742
EASTING: 539,818.860

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,449,667.218
EASTING: 540,880.852

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,330.785
EASTING: 539,873.172

LANDING POINT LOCATION (LP):

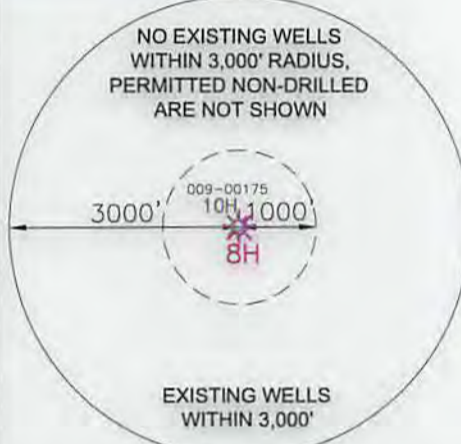
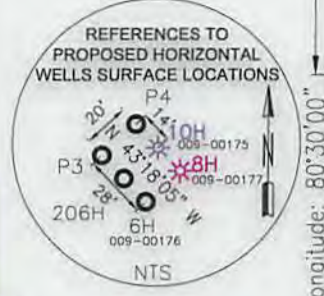
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,176.720
EASTING: 539,818.799

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,449,651.865
EASTING: 540,890.536

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

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Includes surface owners and tax parcel information.

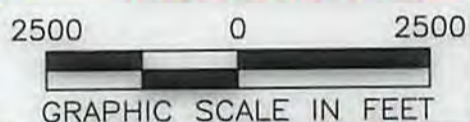


AS-DRILLED SURFACE HOLE LOCATION
ELEV: 1,130.6'

AS-DRILLED

- 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.

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. 2241

COMPANY: SWN Production Company, LLC

STATE OF WEST VIRGINIA
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)

JAMES SEABRIGHT BRK
OPERATOR'S WELL #: 8H
API WELL #: 47 STATE 009 COUNTY 00177 PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [X] DEEP [] GAS [X] LIQUID INJECTION [] STORAGE [] SHALLOW [X]
WATERSHED: SUGARCAMP RUN, BUFFALO CREEK
DISTRICT: BUFFALO COUNTY: BROOKE
SURFACE OWNER: JAMES K. & MARTHA MAY SEABRIGHT; LIFE INTEREST & JAMES H. SEABRIGHT
OIL & GAS ROYALTY OWNER: MARTHA MAY SEABRIGHT, LE, & JAMES H. SEABRIGHT
DRILL [] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION []
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [X] (SPECIFY) As-Drilled
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,231' TVD 15,405' 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

LEGEND:
PROPOSED SURFACE HOLE / BOTTOM HOLE
EXISTING / PRODUCING WELLHEAD
ABANDONED WELL
PLUGGED & ABANDONED WELL
CUT CONDUCTOR
TIE LINE
LEASE BOUNDARY
ASDRILLED WELLPATH
PERMITTED WELLPATH
STREAM
REVISIONS:
DATE: 08-22-2017
DRAWN BY: G.FLORES
SCALE: 1" = 2500'
DRAWING NO: 087569036
AS-DRILLED PLAT