

Latitude: 39°35'00"

SURFACE HOLE 10,170'

Latitude: 39°35'00"

BOTTOM HOLE 5,856'

JACKSON SURVEYING

INC.

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

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 62°27'57" E	839.32'	SHL TO LANDMARK	CORNER FP FOUND
L2	S 27°11'50" E	1782.93'	SHL TO LANDMARK	CORNER FP FOUND

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 89°15'52" E	894.97'	1293.22'	SHL TO LP

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,739.807
EASTING: 572,053.871

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,643.225
EASTING: 572,308.989

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,377,797.311
EASTING: 573,396.655

SURFACE HOLE LOCATION (SHL):

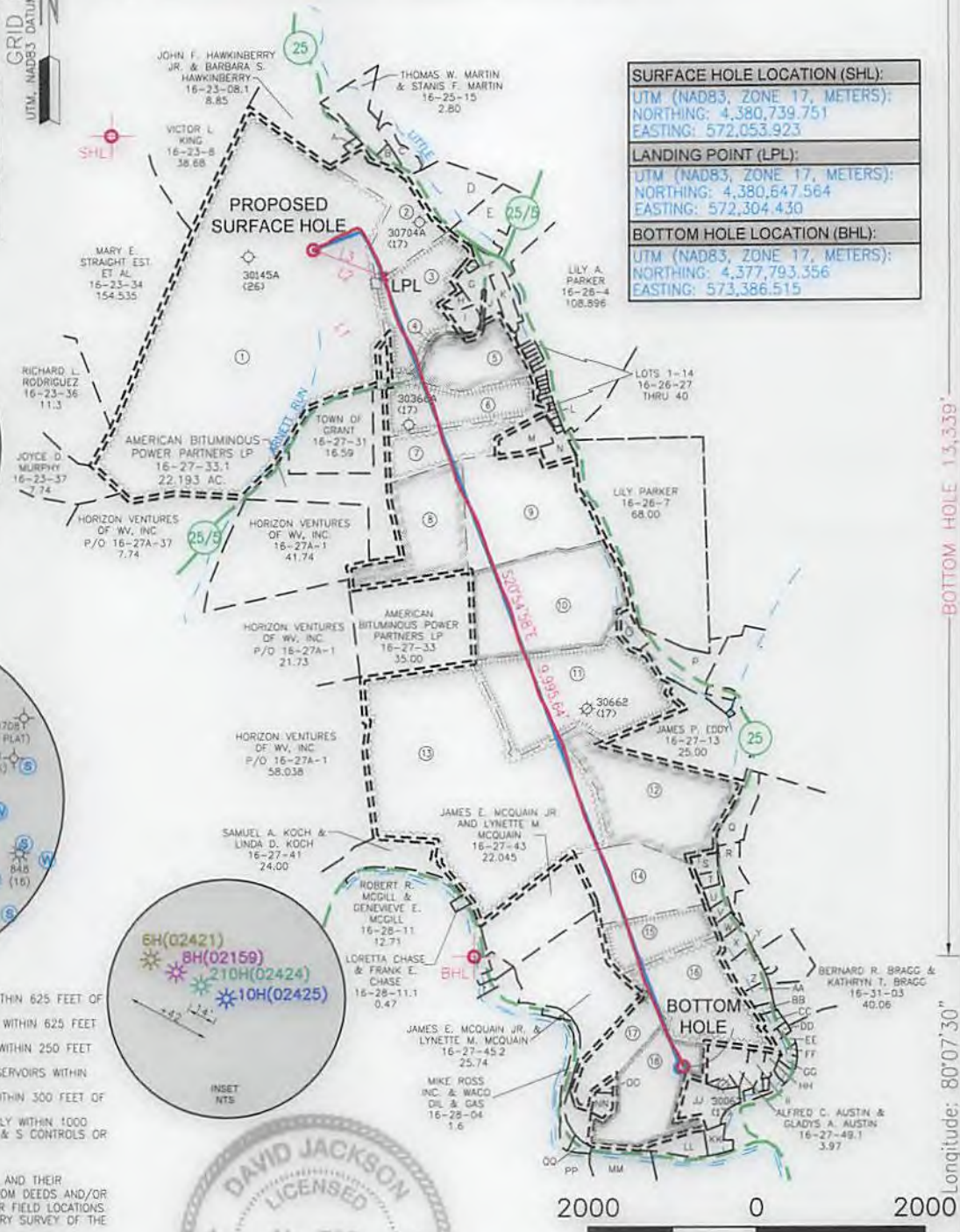
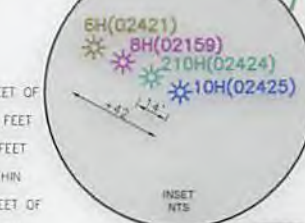
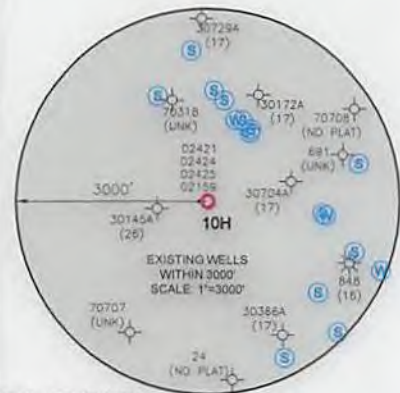
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,739.751
EASTING: 572,053.923

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,647.564
EASTING: 572,304.430

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,377,793.356
EASTING: 573,386.515



WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

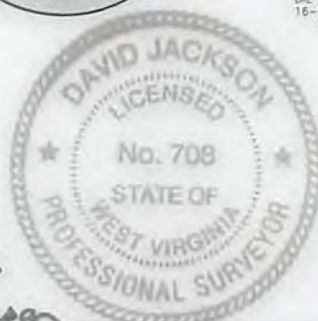
NOTES ON SURVEY

- 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. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 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



COMPANY:

SWN

SWN *R⁺ V⁺*

Production Company, LLC Production Company™

(+) 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 ELEVATION: (NAVD 88, US FT)

QUALITY RECLAMATION MRN

OPERATOR'S WELL #: 10H

API WELL #: 47 049 02425

STATE COUNTY PERMIT

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

WATERSHED: ARNETT RUN OF MONONGAHELA RIVER ELEVATION: 1224.5'

DISTRICT: PAW PAW COUNTY: MARION QUADRANGLE: GRANT TOWN, WV

SURFACE OWNER: QUALITY RECLAMATION SERVICES, LLC ACREAGE: ±226.071

OIL & GAS ROYALTY OWNER: JAMES AND DORTHY ICE, MAJORIE A. KOPP ACREAGE: ±226.071

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: 7,940 TVD 18,349 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

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