

Latitude: 39°35'00"

SURFACE HOLE 10,183'

Latitude: 39°35'00"

BOTTOM HOLE 5,101'

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: 4,380,741.729
EASTING: 572,050.144

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,741.120
EASTING: 572,493.793

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,377,883.742
EASTING: 573,625.451

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



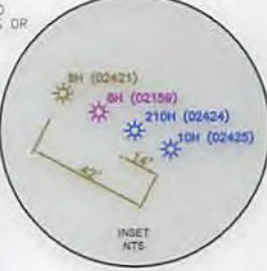
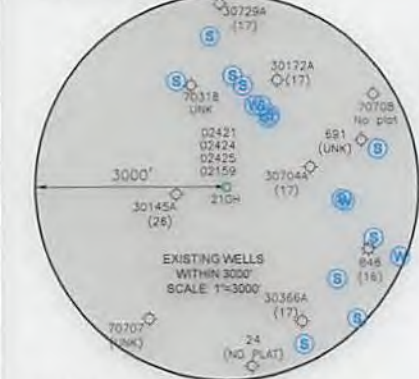
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 27°27'13" E	1794.40'	SHL TO LANDMARK	CORNER FP FOUND
L2	S 62°27'42" E	853.31'	SHL TO LANDMARK	CORNER FP FOUND

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 86°53'05" E	1,472.11'	2206.38'	SHL TO LP

SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,380,741.794 EASTING: 572,050.099	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,380,717.410 EASTING: 572,498.134	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,377,884.021 EASTING: 573,625.893	

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 50 FT WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 50 FT WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO 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*



(+) 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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC

QUALITY RECLAMATION MRN
OPERATOR'S WELL #: 210H
API WELL #: 47 049 02424
STATE COUNTY PERMIT

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

WATERSHED: ARNETT RUN OF MONONGAHELA RIVER ELEVATION: 1,224.5'

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, MARJORIE 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: 7,919' TVD 18,567' 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	FILE NO:
LPL* LANDING POINT LOCATION	— LEASE BOUNDARY	DRAWN BY: N. MANO
⊙ EXISTING WATER WELL	— ASDRILLED PATH	SCALE: 1" = 2000'
⊙ EXISTING SPRING	— PROPOSED PATH	DRAWING NO:
		WELL LOCATION PLAT