

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: 4,397,178.956 EASTING: 528,113.313
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,948.837 EASTING: 528,138.197
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,395,754.196 EASTING: 529,488.311

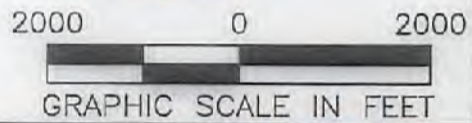
Latitude: 39°45'00"
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



- 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.
 - PERMANENT 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.



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 45°07'10" W	1221.15'	SHL TO LANDMARK	FOUND STONE
L2	S 26°33'37" W	1198.72'	SHL TO LANDMARK	FENCE CORNER
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 06°10'18" W	759.38'	1115.55'	SHL TO LPL



COMPANY: **SWN** Production Company, LLC

(+) 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)

ARTHUR WARYCK UP MSH

OPERATOR'S WELL #: 7H

API WELL #: 47 051 01940

STATE COUNTY PERMIT

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

WATERSHED: LYNN CAMP RUN (HUC-10 FISH CREEK) ELEVATION: 1326.4'

DISTRICT: MEADE COUNTY: MARSHALL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK ACREAGE: ±125.39

OIL & GAS ROYALTY OWNER: CHARLES W. CAIN & PEARL CAIN ACREAGE: ±125.39

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: 12,186 TVD 18,451 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:	○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	REVISIONS:	DATE: 06-12-2017
☆ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	— LEASE BOUNDARY	▲ REVISED LEASE BOUNDARY 08-01-2017	DRAWN BY: N. MANO
LPL* LANDING POINT LOCATION	— PROPOSED PATH	— DHP BUFFER	▲ REVISED TVD & TMD 01-29-2018	SCALE: 1" = 2000'
⊕ EXISTING WATER WELL				DRAWING NO:
⊙ EXISTING SPRING				WELL LOCATION PLAT



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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK (S) / CHARLES W. CAIN & PEARL CAIN (R)	09-21-10	125.39
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	CRAIG NORDBERG & CAROL NORDBERG (S)	12-05-01	50.0
3	MASON DIXON FARMS, LLC (S)	12-05-07	110.00
4	MASON DIXON FARMS, LLC (S)	12-05-08	23.25
5	AUGUSTUS R. MCMAHON III, LIVING TRUST (S)	12-05-13	37.20
6	MASON DIXON FARMS, LLC (S)	09-21-12	69.92
7	ANORAH C. SCHOSTAG & RYAN U. SCHOSTAG (S)	09-21-10.1	6.11
8	MASON DIXON FARMS, LLC (S)	09-21-11	13.11
9	PHILLIP WILEY (S)	12-04-09	14.56
10	CAROLYN I. MCCLELLAND (S)	12-04-11	90.00
11	MASON DIXON FARMS, LLC (S)	12-05-12	31.00

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	ZACHARY M. BLAIR	09-21-13	11.00
B	ZACHARY M. BLAIR	09-21-14	3.00
C	MASON DIXON FARMS, LLC	09-21-22	1.80
D	CLINTON D. BLOSSER & ERIN K. BLOSSER	12-05-14	17.4375
E	HERBERT SIVERT, ET AL	12-04-29	17.0
F	RHODA C. SIVERT & CLEO M. SIVERT	12-04-10	14.75
G	SARAH V. RICHMOND	12-04-08	15.87
H	RHONDA C. SIVERT & CLEO M. SIVERT	12-04-07	19.25
I	RHONDA C. SIVERT & CLEO M. SIVERT	12-04-06	101.3

51-01940H6A

03/02/2018

REVISIONS: ▲ REVISED LEASE BOUNDARY 08-01-2017 ▲ REVISED TVD & TMD 01-29-2018	COMPANY:  	DATE: 06-12-2017
	OPERATOR'S ARTHUR WARYCK UP MSH WELL #: 7H	DRAWN BY: N. MANO
	DISTRICT: MEADE COUNTY: MARSHALL STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 2