

Latitude: 39°45'00"(SH)

SURFACE HOLE 1,513'

Latitude: 39°45'00"(BH)

BOTTOM HOLE 10,941'

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: 4,397,191.815
EASTING: 528,106.241

LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,396,866.788
EASTING: 527,401.524

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,398,829.320
EASTING: 525,227.192

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS
TRACT SURFACE OWNER (S) / ROYALTY OWNER (R) TAX PARCEL
1 A. MICHAEL WARYCK & DEBORAH B. ELLEN WARYCK (S) / CHARLES W. CAIN & PEARL CAIN (R) 09-21-10

LINE BEARING DISTANCE DESCRIPTION MONUMENT
L1 S 42°58'23" W 1235.35' SHL TO LANDMARK FOUND STONE
L2 S 24°42'35" W 1226.73' SHL TO LANDMARK FENCE CORNER
L3 S 65°14'24" W 2546.12' 2824.16' SHL TO LP

05/24/2019

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

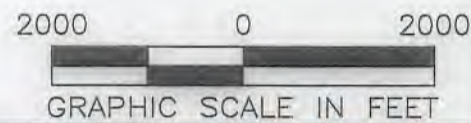
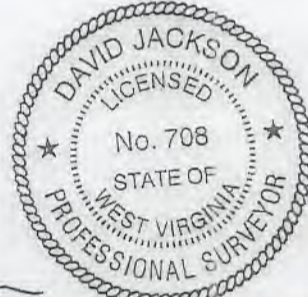
Longitude: 80°40'00"(BH)

Longitude: 80°40'00"(SH)



- WELL RESTRICTIONS
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. 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
1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. 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.



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

ARTHUR WARYCK MSH
OPERATOR'S WELL #: 401H
API WELL #: 47 STATE 051 COUNTY 02172 PERMIT



WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [x] DEEP [] GAS [x] LIQUID INJECTION [] STORAGE [] SHALLOW [x]
WATERSHED: LYNN CAMP RUN OF FISH CREEK (HUC-10) ELEVATION: 1325.7'
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 [x] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [x] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION []
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [] (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,117 TVD 17,529 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
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
EXISTING / PRODUCING WELLHEAD
LPL x LANDING POINT LOCATION
EXISTING WATER WELL
EXISTING SPRING
SURVEYED BOUNDARY
DRILLING UNIT
LEASE BOUNDARY
PROPOSED PATH
REVISIONS:
REVISED TVD & TMD 11-12-2018
DATE: 11-08-2018
DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT

05/24/2019

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	CRAIG NORDBERG & CAROL NORDBERG	12-05-01
B	PHILLIP WILEY	12-04-09
C	MASON DIXON FARMS, LLC	09-21-11
D	ANORAH C. SCHOSTAG & RYAN U. SCHOSTAG	09-21-10.1
E	SARAH V. RICHMOND	12-04-08
F	RHODA C. SIVERT & CLEO M. SIVERT	12-04-07
G	KIMBERLY C. HOFFMAN & PAUL G. FOX	09-21-21
H	ELEANOR T. MILLER & JAMES B. MILLER	09-20-16
I	DAVID PAUL WEIGAND	09-20-15
J	DAVID P. WEIGAND	09-20-17.5
K	DAVID PAUL WEIGAND	09-20-09
L	ELEANOR T. MILLER & JAMES B. MILLER	09-20-08
M	JOHN G. WEIGAND JR. & MARILYN S. WEIGAND	09-20-12.2
N	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.2
O	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.1
P	JAMES MILLER, ET UX	09-20-9.6
Q	JAMES MILLER, ET UX	09-20-9.5
R	DAVID PAUL FROHNAPFEL	09-20-7.1
S	ZACHARY M. BLAIR	09-21-04
T	ZACHARY M. BLAIR	09-21-16
U	ZACHARY M. BLAIR	09-21-17
V	ZACHARY M. BLAIR	09-21-14
W	MASON DIXON FARMS, LLC	09-21-22

REVISIONS:	COMPANY:			 
△ REVISED TVD & TMD 11-12-2018				
	OPERATOR'S	ARTHUR WARYCK MSH		DATE: 11-08-2018
	WELL #:	401H		DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	MEADE	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 2