

Latitude: 39°45'00" (SH)

SURFACE HOLE 1495'

JACKSON SURVEYING INC.

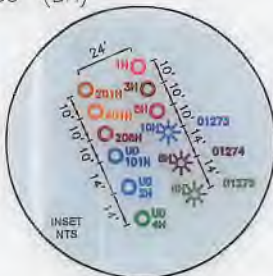
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

BOTTOM HOLE 10101'

Latitude: 39°45'00" (BH)

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,197.579 EASTING: 528,111.679
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,203.218 EASTING: 527,758.875
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,399,266.803 EASTING: 525,481.771

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



05/24/2019

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 42°58'50" W	1,261.34'	SHL TO LANDMARK	FOUND STONE
L2	S 25°05'23" W	1,251.39'	SHL TO LANDMARK	FENCE CORNER
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 89°05'04" W	1,157.64'	1,336.38'	SHL TO LPL



BOTTOM HOLE 2519'
SURFACE HOLE 9490'
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 625 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.

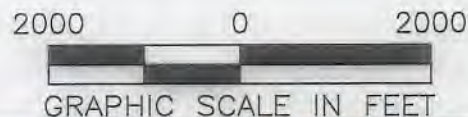
NOTES ON SURVEY

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.

P.S. 708

David L Jackson



COMPANY: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	ARTHUR WARYCK MSH
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 1H
		API WELL #:	47 051 02169
		STATE	COUNTY PERMIT

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

WATERSHED: LYNN CAMP RUN OF FISK CREEK (HUC-10) ELEVATION: 1326.3' STAKED

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: MARCELLUS ESTIMATED DEPTH: 7,121 TVD 17,612 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:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 11-08-2018
⊙ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
⊙ EXISTING / PRODUCING WELLHEAD	— LEASE BOUNDARY		
LPL * LANDING POINT LOCATION	— PROPOSED PATH		
⊙ EXISTING WATER WELL			
⊙ EXISTING SPRING			
			DRAWN BY: N. MANO
			SCALE: 1" = 2000'
			DRAWING NO:
			WELL LOCATION PLAT

05/24/2019

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK (S) / CHARLES W. CAIN & PEARL CAIN (R)	09-21-10
TRACT	SURFACE OWNER	TAX PARCEL
2	ZACHARY M. BLAIR (S)	09-21-14
3	APPALACHIAN MIDSTREAM SERVICES, LLC (S)	09-21-5
4	ZACHARY M. BLAIR (S)	09-21-4
5	ROSELAND PROPERTY, LLC (S)	09-21-2
6	PATRICK A. FROHNAPFEL & LISA A. FROHNAPFEL (S)	09-20-11

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MASON DIXON FARMS, LLC	09-21-11
B	ANORAH C. SCHOSTAG & RYAN U. SCHOSTAG	09-21-10.1
C	ZACHARY M. BLAIR	09-21-13
D	ZACHARY M. BLAIR	09-21-15
E	ZACHARY M. BLAIR	09-21-16
F	DAVID PAUL WEIGAND	09-20-12.1
G	ELEANOR T. MILLER & JAMES B. MILLER	09-20-8
H	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.2
I	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.1
J	JAMES MILLER ET UX	09-20-9.6
K	JAMES MILLER ET UX	09-20-9.5
L	DAVID PAUL WEIGAND	09-20-9
M	DAVID PAUL FROHNAPFEL	09-20-7.1
N	KEITH A. FERRELL ET UX	09-18-15
O	ROBERT F. VILLERS	09-18-16
P	CLEMENT E. FROHNAPFEL & BRENDA L. FROHNAPFEL	09-18-13
Q	APPALACHIA MIDSTREAM SERVICES, LLC	09-21-3
R	MASON DIXON FARMS, LLC	09-21-22

REVISIONS:	COMPANY:	 	
	OPERATOR'S	ARTHUR WARYCK MSH	
	WELL #:	1H	
	DISTRICT:	COUNTY:	STATE:
	MEADE	MARSHALL	WV
			DATE: 11-08-2018
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2