

Latitude: 39°45'00" (SH)

SURFACE HOLE 1,517'

BOTTOM HOLE 10,526'

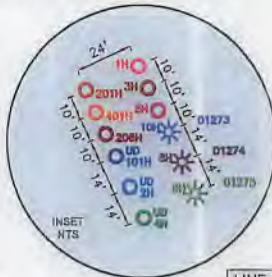
Latitude: 39°45'00" (BH)

# JACKSON SURVEYING INC.

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

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,194.598 EASTING: 528,105.001
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,037.242 EASTING: 527,582.018
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,399,046.283 EASTING: 525,353.051

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



05/24/2019

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 42°32'52" W	1,239.29'	SHL TO LANDMARK	FOUND STONE
L2	S 24°21'38" W	1,233.34'	SHL TO LANDMARK	FENCE CORNER
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 73°15'16" W	1,791.80'	2,048.50'	SHL TO LP



### 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.

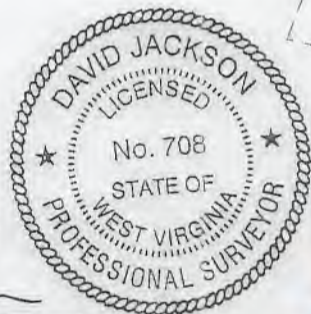
### NOTES ON SURVEY

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*



(+) 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)

COMPANY: **SWN** Production Company, LLC

ARTHUR WARYCK MSH  
OPERATOR'S WELL #: 201H  
API WELL #: 47 051 02170  
STATE COUNTY PERMIT

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

WATERSHED: LYNN CAMP RUN OF FISH CREEK (HUC-10) ELEVATION: 1325.6' 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: 7,118 TVD 17,522 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

<b>LEGEND:</b>	— SURVEYED BOUNDARY	— DATE: 11-08-2018
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT	DRAWN BY: N. MANO
★ EXISTING / PRODUCING WELLHEAD	— LEASE BOUNDARY	SCALE: 1" = 2000'
LPL LANDING POINT LOCATION	— PROPOSED PATH	DRAWING NO:
⊙ EXISTING WATER WELL		WELL LOCATION PLAT
⊙ EXISTING SPRING		

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	MASON DIXON FARMS, LLC (S)	09-21-12
3	ZACHARY M. BLAIR (S)	09-21-13
4	ZACHARY M. BLAIR (S)	09-21-15
5	ZACHARY M. BLAIR (S)	09-21-19
6	ZACHARY M. BLAIR (S)	09-21-18
7	ROSELAND PROPERTY, LLC (S)	09-21-2
8	MARY JOSEPHINE NICE (S)	09-20-13
9	DAVID PAUL WEIGAND (S)	09-20-12.1
10	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	SARAH V. RICHMOND	12-04-08
D	RHODA C. SIVERT & CLEO M. SIVERT	12-04-07
E	KIMBERLY C. HOFFMAN & PAUL G. FOX	09-21-21
F	DAVID P. WEIGAND	09-20-17.5
G	ELEANOR T. MILLER & JAMES B. MILLER	09-20-8
H	JOHN G. WEIGAND JR. & MARILYN S. WEIGAND	09-20-12.2
I	ELEANOR T. MILLER & JAMES B. MILLER	09-20-12
J	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.2
K	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.1
L	JAMES MILLER ET UX	09-20-9.6
M	JAMES MILLER ET UX	09-20-9.5
N	DAVID PAUL FROHNAPFEL	09-20-7.1
O	KEITH A. FERRELL ET UX	09-18-15
P	ROBERT F. VILLERS	09-18-16
Q	CLEMENT E. FROHNAPFEL & BRENDA L. FROHNAPFEL	09-18-13
R	APPALACHIA MIDSTREAM SERVICES, LLC	09-21-3
S	ZACHARY M. BLAIR	09-21-4
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:		DATE: 11-08-2018
			
			
	OPERATOR'S ARTHUR WARYCK MSH		
	WELL #: 201H		
DISTRICT: MEADE	COUNTY: MARSHALL	STATE: WV	DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2