

Latitude: 39°42'30"

SURFACE HOLE 9,664'

Latitude: 39°42'30"

BOTTOM HOLE 11,279'

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,391,135.150  
EASTING: 529,217.761

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,391,299.922  
EASTING: 530,546.801

BOTTOM HOLE LOCATION (BHL):

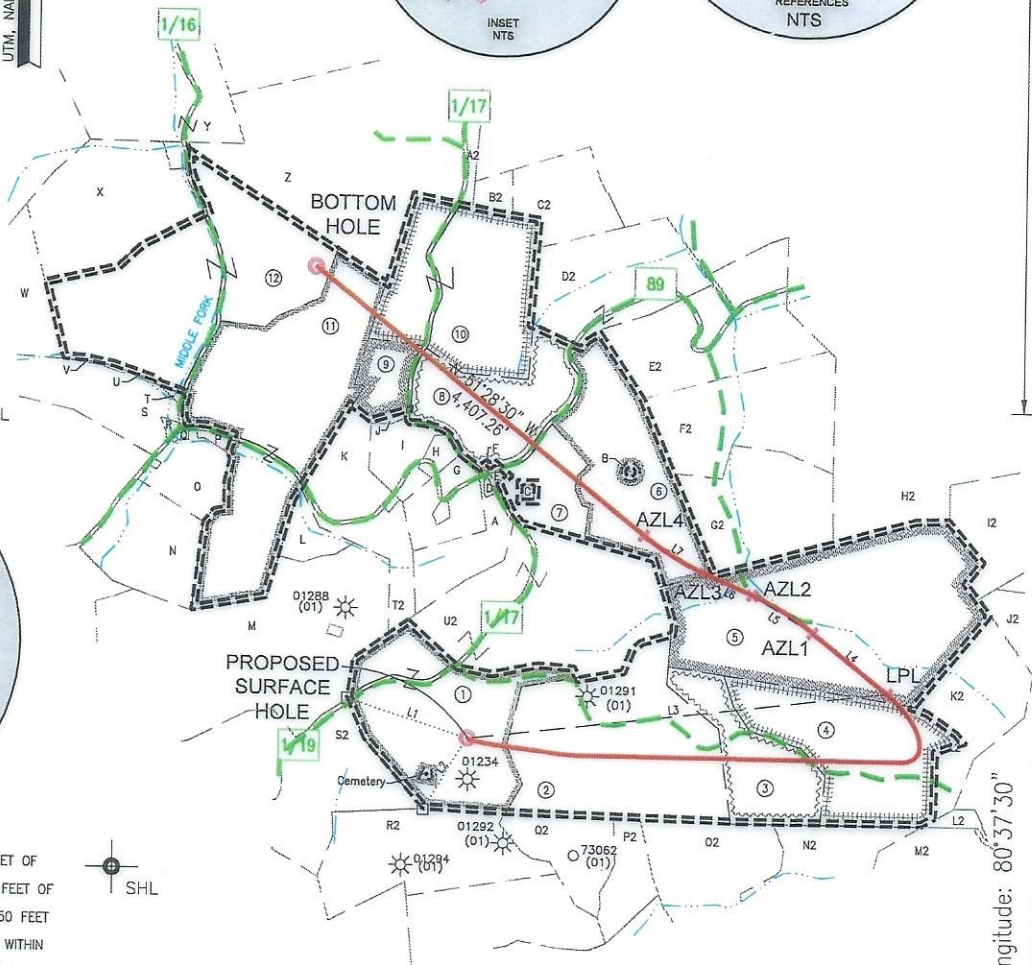
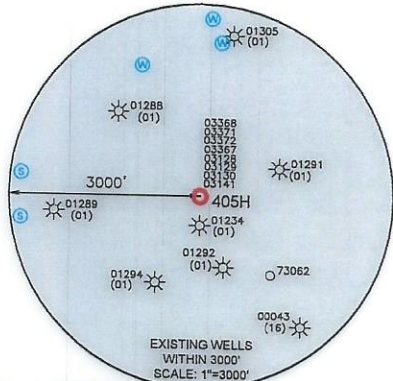
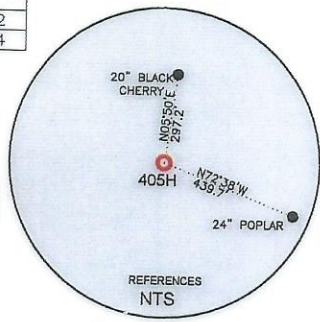
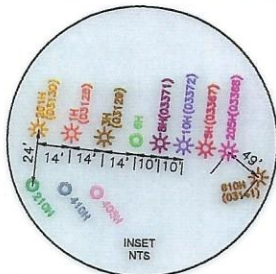
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,392,626.518  
EASTING: 528,719.744

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 72°36'56" W	1325.81'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 32°01'08" W	877.70'	SHL TO LANDMARK	FD. 5/8" REBAR
L4	N 51°26'02" W	999.38'	LPL TO AZL1	
L6	S 66°13'40" W	551.99'	AZL2 TO AZL3	

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 82°55'57" E	4,393.74'	5,481.47'	SHL TO LPL
L5	N 58°49'49" W	737.09'	739.10'	AZL1 TO AZL2
L7	N 58°51'04" W	735.04'	737.04'	AZL3 TO AZL4

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



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. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO 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.

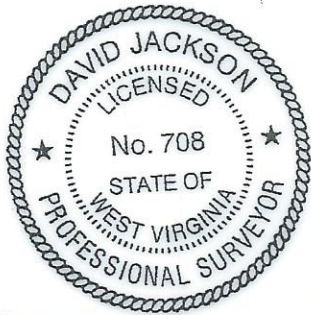
NOTES ON SURVEY

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

WILLIAM RITCHEA WTZ  
OPERATOR'S WELL #: 405H  
API WELL #: 47 STATE 103 COUNTY PERMIT 03578 H6A

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

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

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1562.9' STAKED

DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA ACREAGE: ±62.00

OIL & GAS ROYALTY OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA ACREAGE: ±62.00

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: 7,936' TMD 17,171' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC  
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200  
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508



LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	04-12-2023
★ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL★ LANDING POINT LOCATION	— LEASE BOUNDARY	
⊙ EXISTING WATER WELL	— PROPOSED PATH	
⊕ EXISTING SPRING		
		DRAWN BY: N. MANO
		SCALE: 1" = 2000'
		DRAWING NO:
		WELL LOCATION PLAT

JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26302  
 304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RITCHEA WILLIAM D & SHIRLEY E (S/R)	12-15-21
TRACT	SURFACE OWNER (S)	
2	CHRISTY MICHAEL M JR ETAL & HALL SUSAN (S)	12-15-22
3	HEETER HAROLD JR ETAL (S)	12-15-23
4	FERRELL HANNAH RAINE; FERRELL JOSEPH ROSS (S)	12-15-24
5	LEMASTERS DOLLY G EST (S)	12-15-19
6	HAESSLY LAND AND TIMBER LLC (S)	12-15-05
7	HAESSLY LAND AND TIMBER LLC (S)	12-15-17
8	HAESSLY LAND AND TIMBER LLC (S)	12-15-04
9	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE (S)	12-15-1
10	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE (S)	12-10-31
11	RITCHEA WILLIAM D & SHIRLEY E (S)	12-14-09
12	GODDARD WAYNE (S)	12-09-46

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	RITCHEA GARY A & ALICIA L	12-15-15
B	CALVERT CECIL B HRS	12-15-5.1
C	CALVERT CEMETERY	12-15-17.1
D	RITCHEA GARY	12-15-15.1
E	STILES MARILYN DIANE; STILES JESSIE GLENN	12-15-16
F	RITCHEA JAMES L	12-15-4.1
G	STILES MARILYN DIANE; STILES JESSIE GLENN	12-15-14.2
H	URBANEK SCOTT J & URBANEK CHRYSTAL A	12-15-03
I	LEMASTERS TONY & ROBIN	12-15-02
J	LEMASTERS TONY & ROBIN	12-15-1.1
K	LEMASTERS TONY & ROBIN	12-15-13.2
L	RITCHEA WILLIAM D & SHIRLEY E	12-15-34
M	PITOSCIA WILLIAM R	12-14-16
N	LASURE MICHAEL E & VELVA C	12-14-06
O	HUGGINS WAYNE & SANDRA	12-14-09.1
P	LEMASTERS TONY R & ROBIN M	12-14-09.2
Q	HUGGINS WAYNE & SANDRA	12-14-08
R	HUGGINS WAYNE & SANDRA M	12-14-07
S	HUGGINS WAYNE & SANDRA M	12-09-46.1
T	GODDARD WAYNE	12-09-46.4
U	HUGGINS WAYNE & SANDRA M	12-09-46.2
V	GODDARD WAYNE	12-09-46.3
W	KEENEY NORMAN E JR & NANCY M	12-09-45
X	WOODSTUFF JOYCE K	12-09-44
Y	GODDARD WAYNE L	12-09-33
Z	HAESSLY HARDWOOD LUMBER CO	12-10-23
A2	RITCHEA MARY L & JAMES L	12-10-24
B2	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE	12-10-25
C2	SWN PRODUCTION COMPANY LLC	12-10-26
D2	HAESSLY LAND AND TIMBER LLC	12-10-32
E2	HAESSLY LAND AND TIMBER LLC	12-10-33
F2	HAESSLY LAND AND TIMBER LLC	12-15-06
G2	HAESSLY LAND AND TIMBER LLC	12-15-07
H2	DREYER JOSEPH C	12-15-08
I2	HAESSLY LAND AND TIMBER LLC	12-15-10
J2	WYKERT ERIC D & CEE JAE; WOOD JAMES G & TAMELA P	01-07-21
K2	FERRELL HANNAH RAINE; FERRELL JOSEPH ROSS	01-07-29
L2	WYKERT WAYNE & ASHLEY	01-10-14
M2	WOOD GLENN & TAMELA P	01-10-09
N2	YOHO KIMBERLY & KEITH ALLEN	12-15-29
O2	BROWN SANDY K	12-15-28
P2	BROWN SANDY K	12-15-27
Q2	CHRISTY MICHAEL M JR ETAL; HALL SUSAN	12-15-26
R2	CHRISTY MICHAEL M JR ETAL; HALL SUSAN	12-15-25
S2	PITOSCIA WILLIAM R	12-14-27
T2	URBANEK SCOTT J & CHRYSTAL A	12-15-13
U2	LEMASTERS H C HRS & MANKER CHARLES V REVOC LIVING TR	12-15-18

05/11/2023

REVISIONS: 4710303578 H6A	COMPANY:		 	
	OPERATOR'S		WILLIAM RITCHEA WTZ	
	WELL #:		405H	
	DISTRICT:	COUNTY:	STATE:	DATE: 04-12-2023
	PROCTOR	WETZEL	WV	
				DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 2