

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



**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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL\* LANDING POINT LOCATION
- FLOOD PLAIN
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

04/21/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: WILLIAM RITCHEA WTZ	WELL # 410H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE WETZEL - 103	DISTRICT; PROCTOR	
SURFACE OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA	USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV		



Latitude: 39°42'30"

SURFACE HOLE 9,678'

Latitude: 39°40'00"

BOTTOM HOLE 11,722'

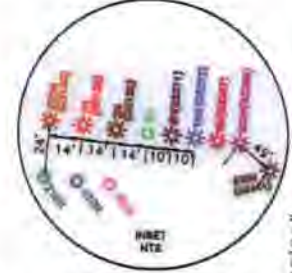
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LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 72°29'06" W	1312.14'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 31°11'55" W	871.45'	SHL TO LANDMARK	FD. 5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 77°10'09" E	1,848.11'	2,075.85'	SHL TO LPL



SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING:	4,391,135.526
EASTING:	529,213.512
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING:	4,391,260.621
EASTING:	529,762.750
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING:	4,388,047.043
EASTING:	532,175.019



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



WELL RESTRICTIONS

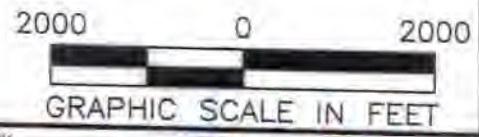
- NO OCCUPIED DWELLINGS > 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS 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

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- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 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 #: 410H  
 API WELL #: 47 103 D3576  
 STATE COUNTY PERMIT

(+) 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)

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

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1562.8' 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: 7,714' TVD 18,983' TMD

04/21/2023

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

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE:
<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> </ul>	<ul style="list-style-type: none"> <li>SURVEYED BOUNDARY</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> </ul>	<ul style="list-style-type: none"> <li>04-12-2023</li> <li>DRAWN BY: J. COCKERHAM</li> <li>SCALE: 1" = 200'</li> <li>DRAWING NO:</li> <li>WELL LOCATION PLAT</li> </ul>





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WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RITCHEA WILLIAM D & SHIRLEY E (S/R)	12-15-21
2	CHRISTY MICHAEL M JR ETAL & HALL SUSAN (S)	12-15-22
3	HEETER HAROLD JR ETAL (S)	12-15-23
4	BROWN SANDY K (S)	12-15-28
5	YOHO KIMBERLY & KEITH ALLEN (S)	12-15-29
6	MELOTT TERREL L (S)	01-10-10
7	GREATHOUSE SHIRLEY (S)	01-10-11
8	BARD VANESSA (S)	01-10-11.1
9	GREATHOUSE SHIRLEY (S)	SHOWN AS P/O 01-10-25 SHOULD BE P/O 01-10-11
10	MCMILLEN SHARON J (S)	P/O 01-10-25
11	MCMILLEN SHARON J (S)	01-10-34
12	MCMILLEN SHARON J (S)	01-10-35
13	MCMILLEN SHARON J (S)	01-10-51

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	PITOSCIA WILLIAM R	12-14-27
B	PITOSCIA WILLIAM R	12-14-16
C	URBANEK SCOTT J & CHRYSTAL A	12-15-13
D	LEMASTERS H C HRS & MANKER CHARLES V REVOC LIVING TR	12-15-18
E	LEMASTERS DOLLY G EST	12-15-19
F	FERRELL HANNAH RAINE & FERRELL JOSEPH ROSS	12-15-24
G	WYKERT WAYNE & ASHLEY	01-10-14
H	WOOD GLENN & TAMELA P	01-10-09
I	MUSGRAVE CHARLES & PATRICIA	01-10-04
J	MUSGRAVE CHARLES & PATRICIA	01-10-12
K	CRANE DONALD N	01-10-24
L	MCMILLEN SHARON J	LISTED INCORRECTLY AS P/O 01-10-25
M	HENDERSON AMIE LEE	01-10-36
N	HENDERSON AMIE LEE	01-10-37
O	MILLER JOHN G ETAL	01-10-52
P	MCMILLEN SHARON J	01-10-49
Q	COASTAL FOREST RESOURCES CO	01-14-03
R	FLEMING DEAN & ETAL	01-10-48
S	MCCRAY LUNDA ETAL	01-10-33
T	WYKERT ERIC D	01-10-23
U	MELOTT TERREL LEMOYN	01-10-22
V	LEMASTERS HAROLD E & BETTY L	12-15-32
W	BROWN SANDY K	12-15-27
X	CHRISTY MICHAEL M JR ETAL & HALL SUSAN	12-15-26
Y	CHRISTY MICHAEL M JR ETAL & HALL SUSAN	12-15-25

04/21/2023

REVISIONS:	COMPANY:	 	
	OPERATOR'S	WILLIAM RITCHEA WTZ	DATE: 04-12-2023
	WELL #:	47-103-03576 410H	DRAWN BY: J. COCKERHAM
	DISTRICT:	PROCTOR	SCALE: N/A
	COUNTY:	WETZEL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2