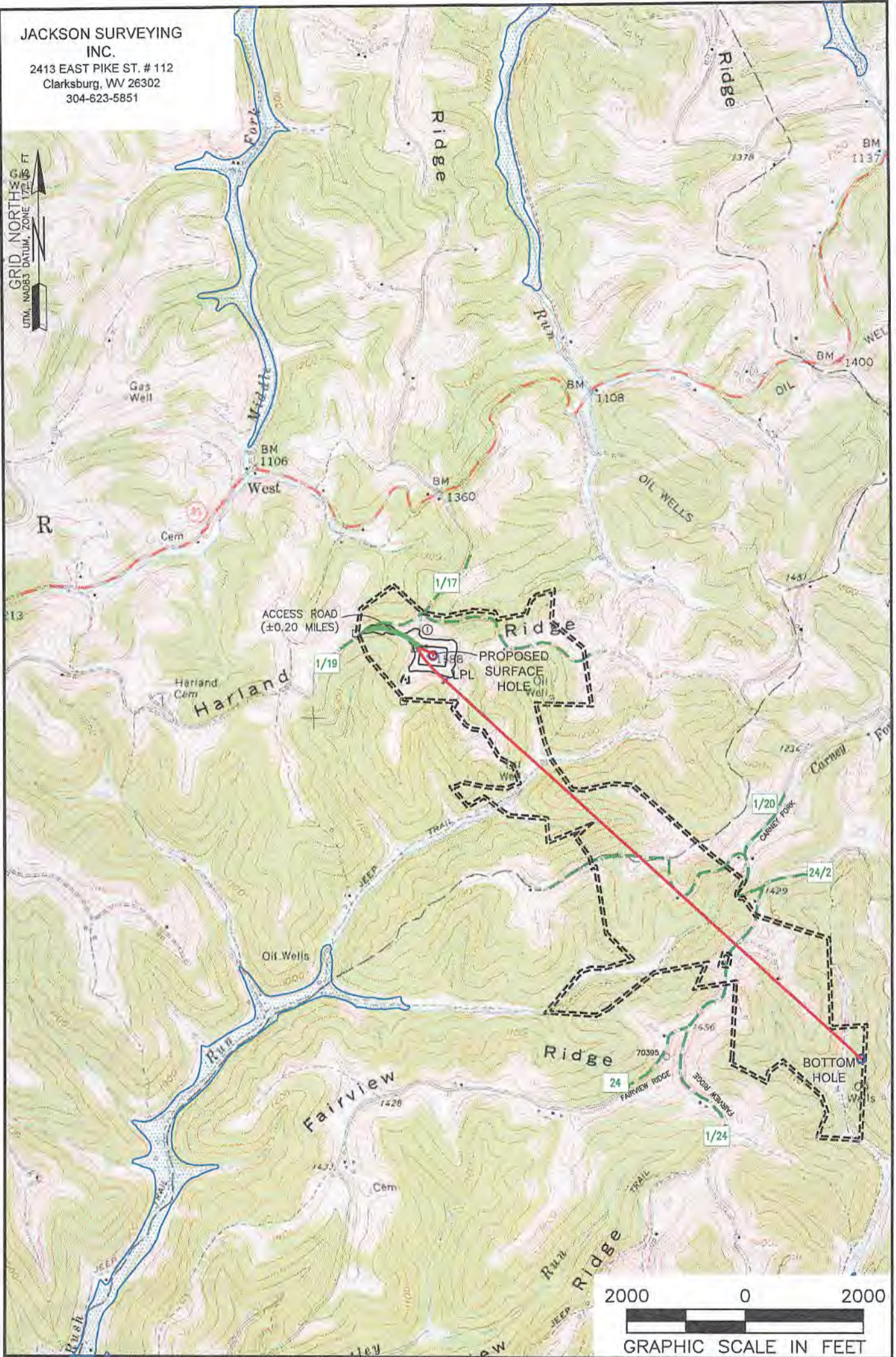


JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

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



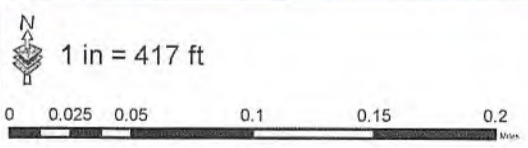
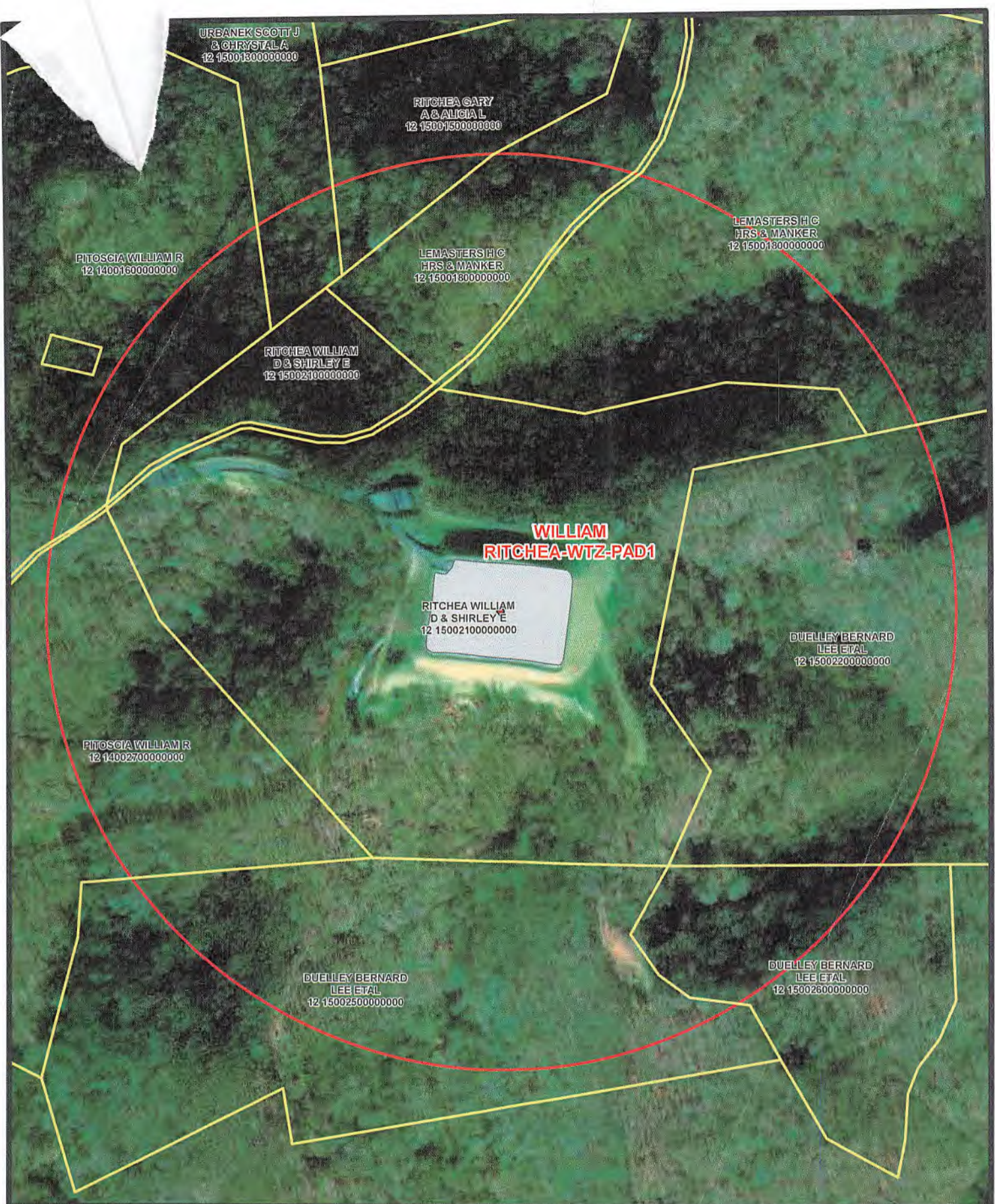
NOTES ON SURVEY

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
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508</p> <p>SURFACE OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA</p>	<p>WELL (FARM) NAME: WILLIAM RITCHEA WTZ</p> <p>WELL # 10H SERIAL #</p> <p>COUNTY - CODE WETZEL - 103</p> <p>DISTRICT; PROCTOR</p> <p>USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV</p>
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Coordinate System: NAD 1983 UTM Zone 17N
Units: Meter

- S Spring Parcel
- W Water Well 1500' Buffer
- P Pond

Coordinates: 39.669547, -80.659219

Water Purveyor Map
Well Pad: William Ritchea
County: WTZ



Date: 1/6/2020 Author: willisb

RECEIVED
Office of Oil and Gas

JAN 19

WV Department of
Environmental Protection

Latitude: 39°42'30" SURFACE HOLE 9628'

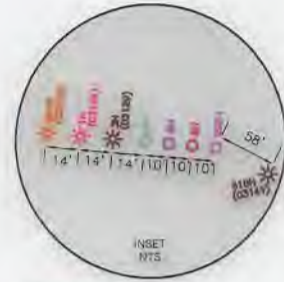
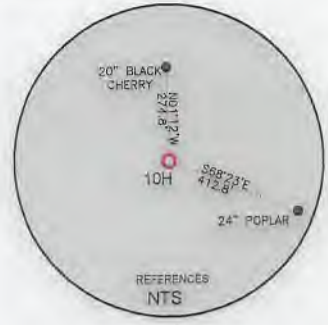
Latitude: 39°40'00" BOTTOM HOLE 2433'

**JACKSON SURVEYING
INC.**

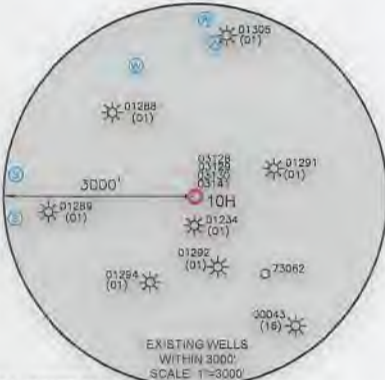
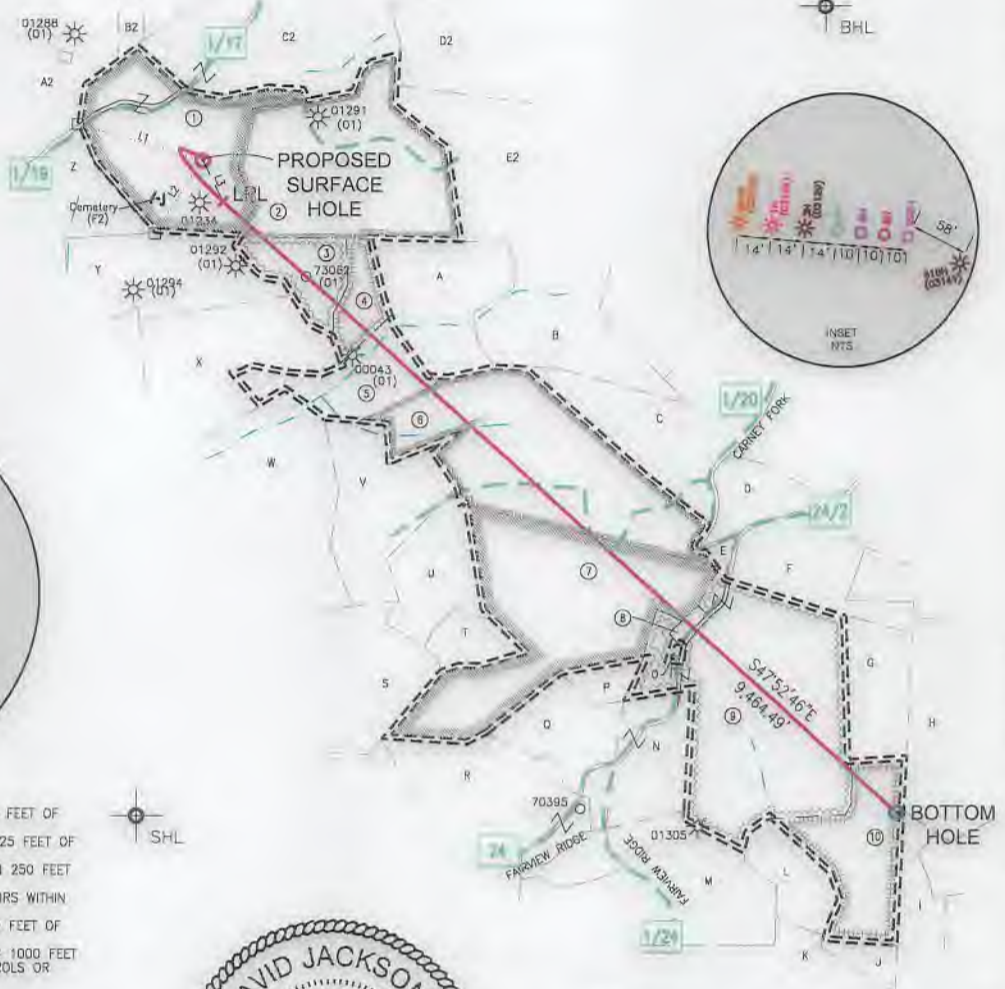
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Clarksburg, WV 26302
304-623-5851

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 73°54'51" W	1354.24'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 33°14'07" W	914.70'	SHL TO LANDMARK	FD. 5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 25°45'05" E	470.57'	1011.90'	SHL TO LPL

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,391,141.520 EASTING: 529,228.724
LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,391,012.333 EASTING: 529,291.041
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,389,077.526 EASTING: 531,430.781



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



WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 825 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.

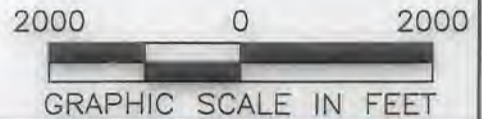
NOTES ON SURVEY

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 SWN
Production Company, LLC 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)

WILLIAM RITCHEA WTZ
OPERATOR'S WELL #: 10H
API WELL #: 47 STATE 103 COUNTY 03372 PERMIT

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

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1562.8'

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: 7,686' TVD 17,449' TMD

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



LEGEND:	○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	— LEASE BOUNDARY
⊙ LPL LANDING POINT LOCATION	— PROPOSED PATH	
⊙ EXISTING WATER WELL		
⊙ EXISTING SPRING		

REVISIONS:	DATE: 12-10-2020
	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)	12-0015-21
	SURFACE OWNER (S)	TAX PARCEL
2	DUELLEY BERNARD LEE ETAL & HALL SUSAN(S)	12-0015-22
3	DUELLEY BERNARD LEE ET AL & HALL SUSAN (S)	12-0015-26
4	BROWN SANDY K (S)	12-0015-27
5	LEMASTERS HAROLD E & BETTY S; LEMASTERS KEYSTONE TRUST & STANSBERRY LINDA SNIDER & SNIDER JAMES F. (S)	12-0015-32
6	MELOTT TERREL LEMOYN (S)	01-0010-22
7	RITCHEA WILLIAM D ; RITCHEA SHIRLEY E (S)	01-0010-21
8	RICHTER ROMNEY & CAROL(S)	01-0010-33.1
9	RITCHEA WILLIAM D & SHIRLEY E (S)	01-0010-33
10	FLEMING ALAN & CYNTHIA(S)	01-0010-48

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BROWN SANDY K	12-0015-28
B	YOHO KIMBERLY & KEITH ALLEN	12-0015-29
C	MELOTT TERREL L	10-0010-10
D	BARD VANESSA	01-0010-11.1
E	WYKERT ERIC D	01-0010-23
F	MCMILLEN SHARON J	01-0010-25
G	MCMILLEN SHARON J	01-0010-34
H	LASURE MICHAEL E. & VELVA C.	01-0010-35
I	COASTAL FOREST RESOURCES CO	01-0014-03
J	COASTAL FOREST RESOURCES CO & COASTAL TIMBERLANDS CO	01-0014-02.1
K	CAIN GLENN JR & ELEANOR T	01-0014-02
L	COASTAL FOREST RESOURCES CO	01-0010-47
M	CAIN SAMUEL EST & CAIN GLEN JR	01-0010-46
N	WYKERT VERNA	10-0010-45.1
O	YEATER CHESTER C JR & LORENE REVOCABLE TRUST	01-0010-32
P	WYKERT WAYNE	01-0010-45.2
Q	JERRELL WILMA & JEFFREY	01-0010-45
R	WYKERT VERNA L	01-0009-12
S	MELLOTT EDWARD NOEL HRS	01-0009-06
T	MELLOTT EDWARD NOEL HRS	01-0009-05
U	RITCHEA WILLIAM D ; RITCHEA SHIRLEY	01-0009-16
V	A&D WOODLANDS LTD	01-0009-15
W	MELLOTT TERREL	01-0009-14
X	LEMASTERS HAROLD E & BETTY S; LEMASTERS KEYSTONE TRUST & STANSBERRY LINDA SNIDER & SNIDER JAMES F.	12-0015-31
Y	DUELLEY BERNARD LEE ETAL & HALL SUSAN	12-0015-25
Z	PITOSCIA WILLIAM R	12-0014-27
A2	PITOSCIA WILLIAM R	12-0014-16
B2	URBANEK SCOTT J & CHRYSYLA	12-0015-13
C2	LEMASTERS H C HRS & MANKER & CHARLES V REVOCABLE LIVING TRU	12-0015-18
D2	LEMASTERS DOLLY G EST	12-0015-19
E2	HEETER HAROLD JR ETAL	12-0015-23
F2	LEMASTERS CEMETERY	12-0015-20

REVISIONS:	COMPANY:	 	
	OPERATOR'S	WILLIAM RITCHEA WTZ	DATE: 12-10-2020
	WELL #:	103-03372 HGA 10H	DRAWN BY: N. MANO
	DISTRICT:	PROCTOR	SCALE: N/A
	COUNTY:	WETZEL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2