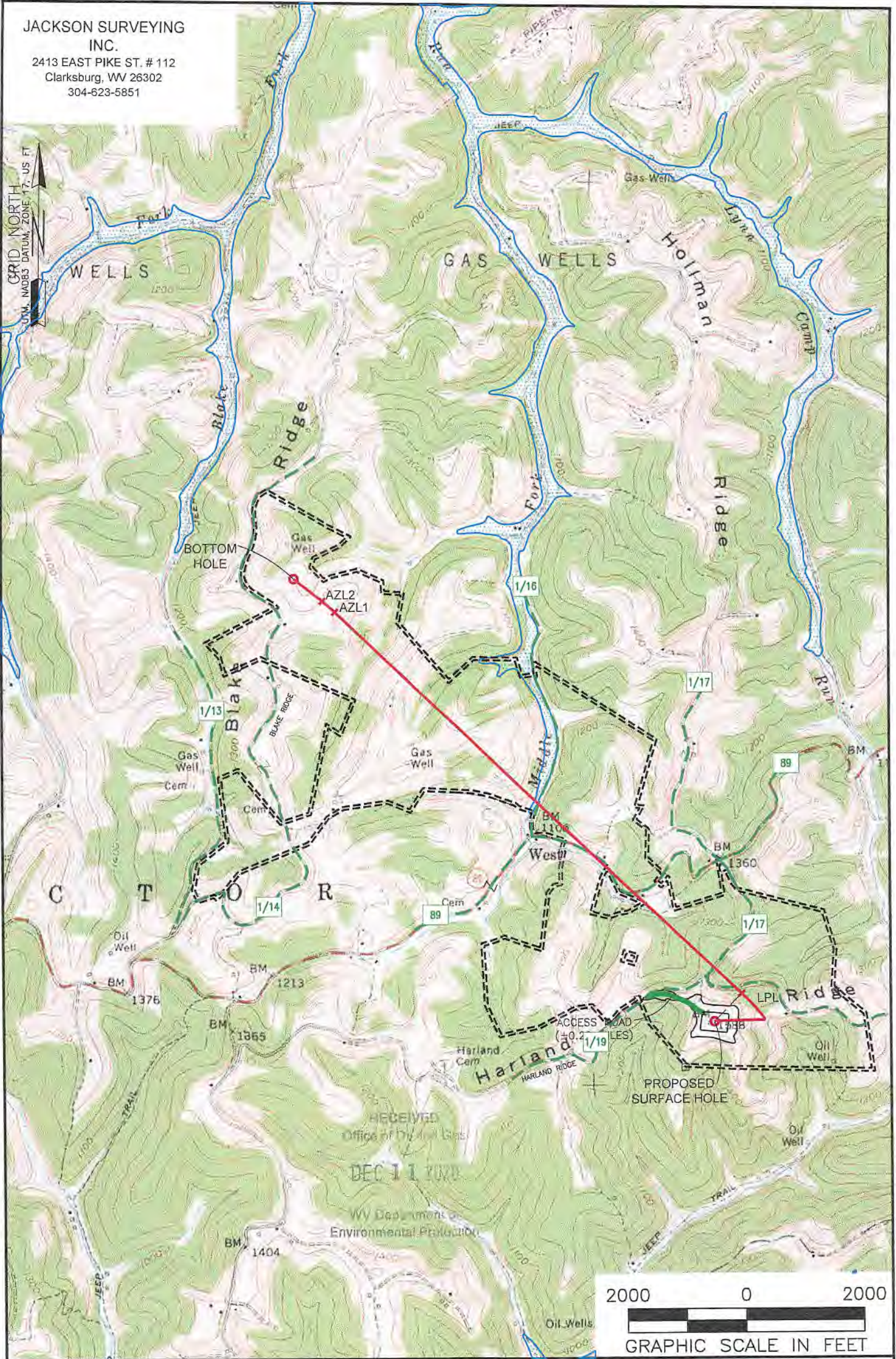


JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

GRID NORTH
 UNK. NAD83 DATUM, ZONE 17, 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

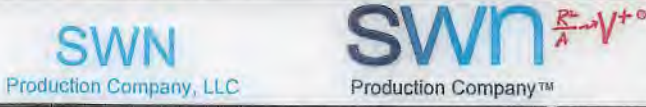
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: WILLIAM RITCHEA WTZ	WELL # 5H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE WEIZEL - 103	DISTRICT; PROCTOR	
SURFACE OWNER: WILLIAM D. RITCHEA & SHIRLEY E. RITCHEA	USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV		

**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	William D. Ritchea & Shirley E. Ritchea (S/R)	12-15-21
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	DUELLEY BERNARD LEE ET AL & HALL SUSAN (S)	12-15-22
3	LEMASTERS H C HRS & MANKER CHARLES V REVOCABLE LIVING TRUST (S)	12-15-18
4	RITCHEA GARY A & ALICIA L (S)	12-15-15
5	URBANEK SCOTT J & CHRYSTAL A (S)	12-15-13
6	PITOSCIA WILLIAM R (S)	12-14-16
7	RITCHEA WILLIAM D; RITCHEA SHIRLEY E (S)	12-15-13.2
8	RITCHEA WILLIAM D & SHIRLEY E (S)	12-14-9
9	GODDARD WAYNE (S)	12-9-46
10	WOODSTUFF JOYCE K (S)	12-9-44
11	KEENEY NORMAN E JR & NANCY M (S)	12-9-45
12	BLAKE VERIL JEROME (S)	12-9-40
13	TEEL GAY & DEWEY (S)	12-9-41
14	LOWE MICHAELS (S)	12-9-31.1

ADJOINING OWNERS TABLE		
TRACT	Surface owners	TAX PARCEL
A	LEMASTERS DOLLY G EST	12-15-19
B	HEETER HAROLD JR ETAL	12-15-23
C	BROWN SANDY K	12-15-28
D	BROWN SANDY K	12-15-27
E	DUELLEY BERNARD LEE ET AL & HALL SUSAN	12-15-26
F	DUELLEY BERNARD LEE ET AL & HALL SUSAN	12-15-25
G	PITOSCIA WILLIAM R	12-14-27
H	PITOSCIA ANTHONY A & DAVID T	12-14-26
I	RIDGETOP CAPITAL LP	12-14-25
J	LASURE MICHAEL E & VELVA C	12-14-14
K	LASURE MICHAEL E & VELVA C	12-14-15
L	LASURE MICHAEL E & VELVA C	12-14-6
M	HUGGINS WAYNE & SANDRA	12-14-9.1
N	LEMASTERS TONY R & ROBIN M	12-14-9.2
O	HUGGINS WAYNE & SANDRA	12-14-8
P	HUGGINS WAYNE & SANDRA M	12-14-7
Q	HUGGINS WAYNE & SANDRA M	12-9-46.1
R	GODDARD WAYNE	12-9-46.4
S	HUGGINS WAYNE & SANDRA M	12-9-46.2
T	GODDARD WAYNE	12-9-46.3
U	APPALACHIA MIDSTREAM SERVICES LLC	12-14-4.1
V	SWN PRODUCTION COMPANY LLC	12-14-13
W	PENDBURY ROBERT C & DENISE M	12-14-3
X	PENDBURY ROBERT C & DENISE M	12-9-38
Y	TAYLOR JAMES S	12-9-39
Z	HOHMAN ALBERT & MARY RLT; HOHMAN JOE	12-9-29.2
AA	GREATHOUSE JOHNNY K II & CHELSEA P	12-9-31
BB	STARKEY JOHN S; STARKEY JOHN W	12-9-19
CC	BLAKE VERIL JEROME	12-9-21
DD	BLAKE VERIL JEROME	12-9-32
EE	BLAKE VERIL JEROME	12-9-42
FF	GODDARD WAYNE L	12-9-33
GG	HAESSLY HARDWOOD LUMBER CO	12-10-23
HH	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE	12-10-31
II	HUGGINS JOSEPH DEAN; HUGGINS BOBBIE SUE	12-15-1
JJ	RITCHEA WILLIAM D; RITCHEA SHIRLEY	12-15-1.1
KK	RITCHEA WILLIAM D; RITCHEA SHIRLEY	12-15-2
LL	RITCHEA WILLIAM D; RITCHEA SHIRLEY	12-15-34
MM	URBANEK SCOTT & CHRYSTAL	12-15-13.1
NN	URBANEK SCOTT J & CHRYSTAL A	12-15-3
OO	URBANEK SCOTT J & CHRYSTAL A	12-15-14
PP	STILES MARILYN DIANE; STILES JESSIE GLENN	12-15-14.2
QQ	HAESSLY LAND AND TIMBER LLC	12-15-4
RR	RITHEA JAMES L	12-15-4.1
SS	RITCHEA GARY	12-15-15.1
TT	HAESSLY LAND AND TIMBER LLC	12-15-17
UU	HAESSLY LAND AND TIMBER LLC	12-15-5
VV	LEMASTERS CEMETERY	12-15-20

REVISIONS:	COMPANY:		
	OPERATOR'S	WILLIAM RITCHEA WTZ	DATE: 11-17-2020
	WELL #:	47-103-03867 5H	DRAWN BY: N. MANO
	DISTRICT:	PROCTOR	SCALE: N/A
	COUNTY:	WETZEL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2

Latitude: 39°42'30"

SURFACE HOLE 9,618'

Latitude: 39°42'30"

BOTTOM HOLE 4,948'

JACKSON SURVEYING INC.

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 73°59'40" W	1364.05'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 33°47'04" W	919.47'	SHL TO LANDMARK	FD. 5/8" REBAR
L5	N 52°17'51" W	608.46'	AZL2 TO BHL	

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 43°46'37" E	649.37'	1681.39'	SHL TO LPL
L4	N 49°31'49" W	280.92'	281.02'	AZL1 TO AZL2

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,391,141.252
EASTING: 529,231.760

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,391,284.164
EASTING: 529,368.698

AZIMUTH POINT LOCATION (AZL1):

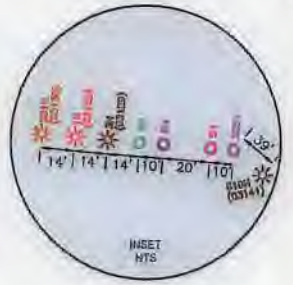
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,393,243.096
EASTING: 527,285.380

AZIMUTH POINT LOCATION (AZL2):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,393,298.670
EASTING: 527,220.241

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,393,412.089
EASTING: 527,073.507



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

WELL RESTRICTIONS

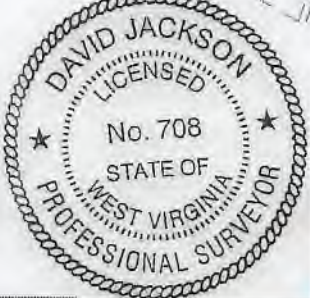
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE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



(+) 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)

COMPANY: SWN Production Company, LLC

WILLIAM RITCHEA WTZ

OPERATOR'S WELL #: 5H

API WELL #: 47 103 03367

STATE COUNTY PERMIT

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

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1562.7'

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: 7,581' TVD 18,336' 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:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	11-17-2020
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL ⊙ LANDING POINT LOCATION	— LEASE BOUNDARY	
⊙ EXISTING WATER WELL	— PROPOSED PATH	
⊙ EXISTING SPRING	AZL ⊙ AZIMUTH POINT LOCATION	
		DRAWN BY: N. MANO
		SCALE: 1" = 2000'
		DRAWING NO:
		WELL LOCATION PLAT