

Latitude: 39°42'30" SURFACE HOLE 9,664'

BOTTOM HOLE 11,285'

JACKSON SURVEYING INC.

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

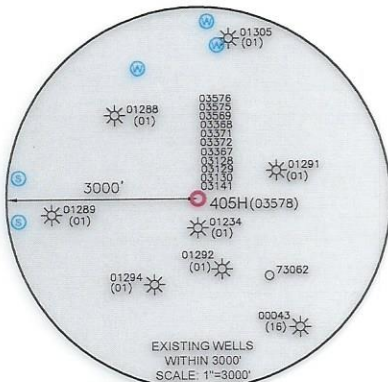
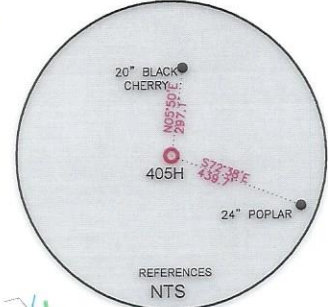
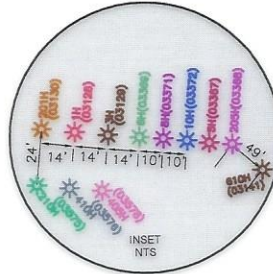
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 72°37'01" W	1325.84'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 32°01'13" W	877.74'	SHL TO LANDMARK	FD. 5/8" REBAR
L4	N 50°48'25" W	1006.24'	LPL TO AZL1	
L6	N 64°49'41" W	548.76'	AZL2 TO AZL3	

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 83°00'24" E	4,388.03'	5,530.37'	SHL TO LPL
L5	N 59°35'42" W	729.27'	732.63'	AZL1 TO AZL2
L7	S 59°01'20" W	731.86'	732.80'	AZL3 TO AZL4

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: 4,392,625.144 EASTING: 528,719.744

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,391,135.156 EASTING: 529,217.773
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,391,297.999 EASTING: 530,545.295
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,392,625.144 EASTING: 528,717.954

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.

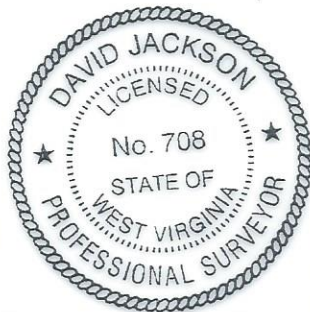
NOTES ON SURVEY

- 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.
- 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 SWN
Production Company, LLC Production Company™

(+) 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: WILLIAM RITCHEA WTZ OPERATOR'S WELL #: 405H API WELL #: 47 103 03578 STATE COUNTY PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1563.0'

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) ASDRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,630' ±

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
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LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY ASDRILLED PATH PROPOSED PATH	REVISIONS: DATE: 07-10-2023 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT
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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

03/01/2024

REVISIONS:	COMPANY:			 	
	OPERATOR'S		WILLIAM RITCHEA WTZ	API #:	DATE: 07-10-2023
	WELL #:		405H	47-103-03578	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A	
	PROCTOR	WETZEL	WV	DRAWING NO:	
	WELL LOCATION PLAT 2				