

Latitude: 39°45'00" SURFACE HOLE 1,147'

BOTTOM HOLE 2,547'

JACKSON SURVEYING INC.

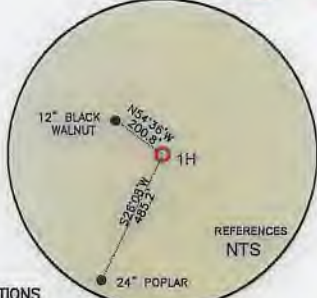
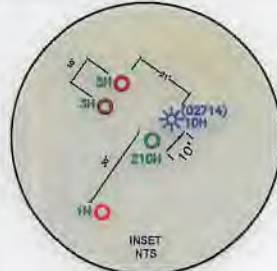
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,554.029 EASTING: 538,934.109
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,930.912 EASTING: 539,243.713
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,957.246 EASTING: 534,915.639

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 09°43'04" E	553.59'	SHL TO LANDMARK	30" POPLAR FOUND
L2	N 12°25'34" E	3346.71'	SHL TO LANDMARK	LARGE POST FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 39°24'10" E	1600.21'	2126.87'	SHL TO LP

05/31/2019

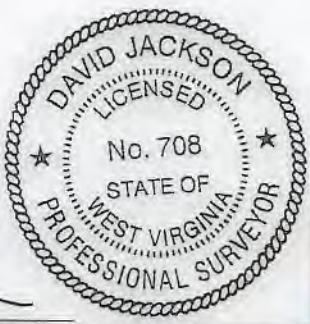


WELL RESTRICTIONS

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.
4. 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.



COMPANY: **SWN** Production Company, LLC

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)

VERNON JOHNSON WTZ

OPERATOR'S WELL #: 1H

API WELL #: 47 103 03308

STATE COUNTY PERMIT

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

WATERSHED: WEST VIRGINIA FORK FISH CREEK (HUC-10) ELEVATION: 1,431.5'

DISTRICT: CLAY COUNTY: WETZEL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: VERNON S. JOHNSON ESTATE ACREAGE: ±132.00

OIL & GAS ROYALTY OWNER: LAURA LEE ABEREGG, JAMES JOSEPH ABEREGG, A/K/A JOSEPH ABEREGG, KEITH ABEREGG, JAMES DENZIL STONEING, ROBERT MARK STALEY, BRIAN FRANKLIN BUTLER, CHRISTINE ELIZABETH BUTLER, & ELLEN VANWATIER & ALICE DRIVER, F/K/A ALICE LEBODE AMP FUND III, LP ACREAGE: ±132.00

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: 7,749' TVD 27,830' 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:	SURVEYED BOUNDARY
EXISTING / PRODUCING WELLHEAD	DRILLING UNIT
LPL * LANDING POINT LOCATION	LEASE BOUNDARY
EXISTING WATER WELL	PROPOSED PATH
EXISTING SPRING	
REVISIONS:	DATE: 03-26-2019
	DRAWN BY: N. MANO
	SCALE: 1" = 4000'
	DRAWING NO:
	WELL LOCATION PLAT

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05/31/2019

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	VERNON S. JOHNSON ESTATE (S)/ LAURA LEE ABEREGG, JAMES JOSEPH ABEREGG, A/K/A JOSEPH ABEREGG, KEITH ABEREGG, JAMES DENZIL STONEKING, ROBERT MARK STALEY, BRIAN FRANKLIN BUTLER, CHRISTINE ELIZABETH BUTLER ELLEN VANNATTER & ALICE DRIVER, F/K/A ALICE LEBODA AMP FUND III, LP (R)	03-01-01
TRACT	SURFACE OWNER	TAX PARCEL
2	MICHAEL J. PRENDERGAST & SUE ELLEN LEMLEY (S)	07-23-26
3	WEST VIRGINIA WILDLIFE RESOURCES SECTION (S)	07-24-01
4	JASON M. GRESHAW & MARY L. GRESHAW (S)	07-25-02
5	AMMON A. BURLEY (S)	07-20-37
6	AMMON A. BURLEY, ET UX (S)	07-20-12
7	ANNIE L. GEHO, EST. (S)	07-20-11
8	JUDITH A. BURGE & VIRGINIA L. BAILEY, ET AL (S)	07-20-06
9	ALAN UNDERDONK (S)	07-16-25.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	D.W. ABEREGG ESTATE & WILLIAM D. ABEREGG ET AL, B.A. ABEREGG L/E	01-03-02
B	LONNY DAVID LONG & LINDA SUE LONG	01-03-2.1
C	RICE RIDGE CEMETERY	07-23-27
D	MCCABE ME CHURCH	07-23-28
E	RICE RIDGE COMMUNITY CHURCH, TRUSTEES	07-23-26.1
F	KATHLEEN MACKAY & DEBRA POE	07-23-26.3
G	KATHERINE E. WILLIAMS TRUST	01-03-01
H	PETER V. VELLEKOOP, ET UX	07-27-11
I	PETER V. VELLEKOOP, ET UX	07-27-10.1
J	PETER VELLEKOOP, ET UX	07-26-6.2
K	PETER VELLEKOOP, ET UX	07-26-6.1
L	DANIEL D. GEDEON, ET UX	07-26-06
M	JOSEPH LEE YOCUM & MICHAEL D. YOCUM	07-26-09
N	WILLIAM GARTLAND ET AL	07-26-03
O	JOHN M. BUTLER & LISA A. BUTLER	07-26-11.1
P	HUNDRED RESOURCES INC.	07-26-11
Q	DELORSE A. HORNER	07-26-10
R	JOHN E. RIGGS, JR. & DELANA RIGGS	07-27-02
S	JAMES E. MORGAN (LIFE)	07-26-14
T	REVOCABLE LIVING TRUST OF M. PEGGY GRIBBEN	07-19-28
U	BRAD FROMHART, ET UX (LIFE)	07-20-41
V	BRAD FROMHART, ET UX (LIFE)	07-20-01
W	GAIL CUMPSTON	07-19-20
X	CHARLES VUCELICK, EST.	07-19-22
Y	DALTON SHARPENBERG & DEREK SHARPENBERG	07-19-21
Z	SUE ELLEN MARLING	07-20-03
AA	JUDITH A. BURGE & VIRGINIA L. BAILEY	07-20-04
BB	CHARLES E. CONNELLY	07-20-05
CC	JOHN MATTHEW BUTLER	07-16-39
DD	JUDITH A. BURGE & VIRGINIA L. BAILEY, ET AL	07-16-40
EE	JOHN E. RIGGS, JR.	07-16-41
FF	JOHN E. RIGGS, JR.	07-16-43
GG	ANNIE L. GEHO, EST.	07-20-07

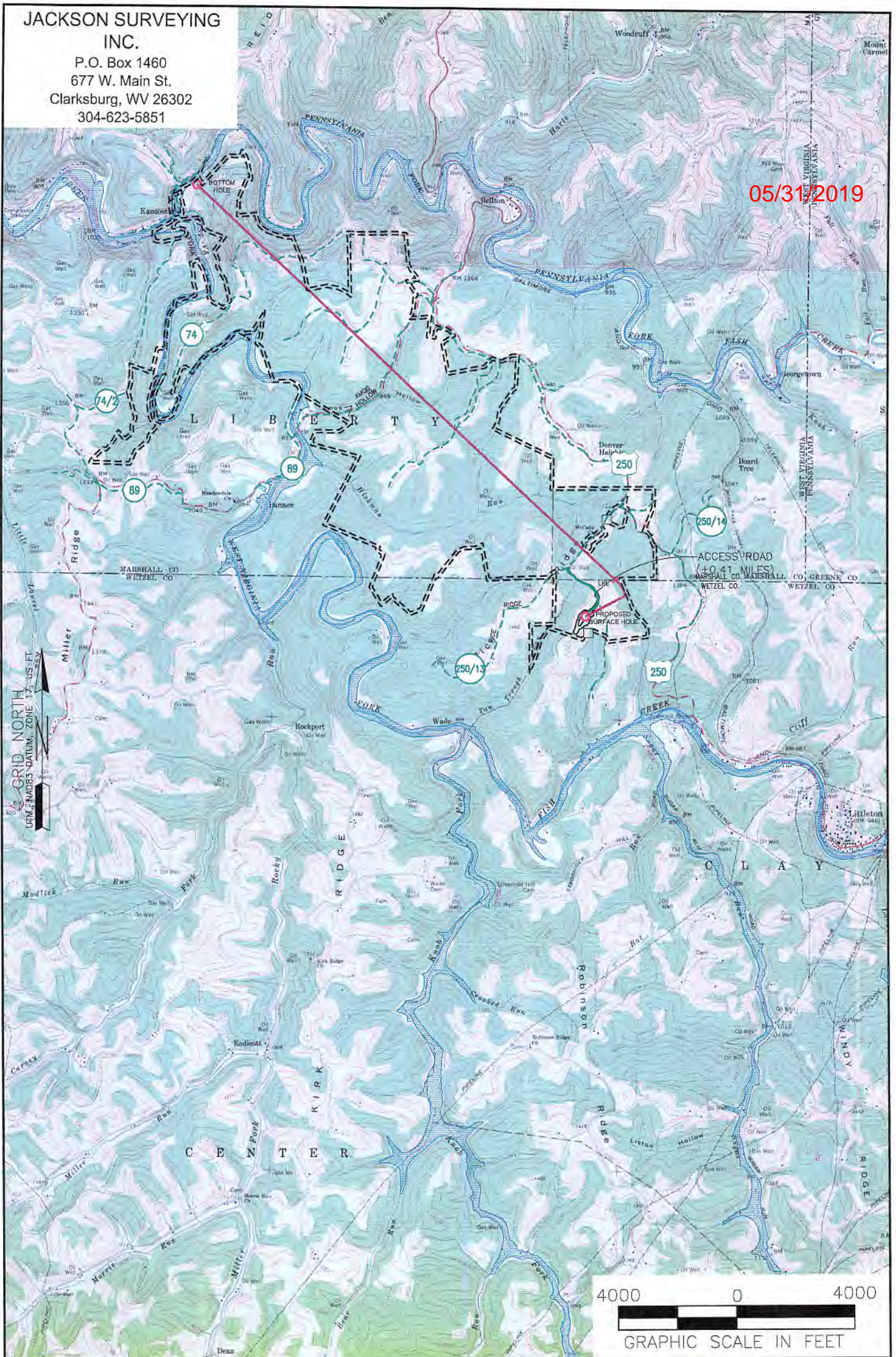
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
HH	ANNIE L. GEHO, EST.	07-20-09
II	ANNIE L. GEHO, EST.	07-20-10
JJ	ROBERT B. MCCLURE, ET AL	07-20-13.2
KK	W. DOUGLAS VADAS & MARY B. VADAS	07-20-14
LL	WILLIAM E. YOUNG, EST.	07-20-15
MM	JAMES ARMITT, ET UX	07-20-13.1
NN	PERRY J. JONES	07-20-16
OO	WYATT A. MCCLURE	07-20-16.1
PP	AMMON BURLEY	07-20-18
QQ	AMMON A. BURLEY	07-20-24
RR	AMMON A. BURLEY, ET UX	07-20-26
SS	DENNIS DEAN HALL, ET UX	07-20-35
TT	AMMON A. BURLEY, ET UX	07-20-36
UU	AMMON A. BURLEY, ET UX	07-25-03
VV	NEWMAN M. LONGWELL, ET UX	07-25-2.1
WW	ANDREW C. BROWN III	07-25-04
XX	JOHN C RICHARDS ET UX	07-25-13
YY	ANDREW C. BROWN III	07-25-06
ZZ	WEST VIRGINIA DEPARTMENT OF COMMERCE DIVISION OF NATURAL RESOURCES	07-25-09
AAA	THOMAS EARL CONAWAY, JR. & CAROLYN K. STOWE	07-25-12
BBB	THOMAS E. CONAWAY	07-23-01
CCC	FRED ELWOOD HORNER - LIFE	07-23-03
DDD	ALMA O. PIERCE	07-23-04
EEE	JEFFREY W. GRANT & VIRGINIA F. GRANT	07-23-21
FFF	JEFFREY W. GRANT, ET UX	07-23-22
GGG	CHARLES BRADLEY BYERLY	07-23-24
HHH	BOBBY RONALD DISHMAN	07-23-25
III	MICHAEL J. PRENDERGAST & SUE ELLEN PRENDERGAST	03-01-02
JJJ	CATHERINE A. TEDROW, HERBERT P. & WILLIAM C. TEDROW II L/E	03-02-2.1
KKK	WV MINERALS INC	03-01-03
LLL	HERBERT P. DRAHEIM, ET AL	03-01-06
MMM	JOHN EDWARD WILLIAMS	01-03-09

REVISIONS:	COMPANY:	 				
	OPERATOR'S	VERNON JOHNSON WTZ	API #:	047-103-03308	DATE:	03-26-2019
	WELL #:	1H			DRAWN BY:	N. MANO
	DISTRICT:	CLAY	COUNTY:	WETZEL	STATE:	WV
					SCALE:	N/A
					DRAWING NO:	
					WELL LOCATION PLAT	2

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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: VERNON JOHNSON WTL	WELL # 1H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200 MORGANTOWN, WV 26308	COUNTY - CODE WETZEL - 103	DISTRICT; CLAY	
SURFACE OWNER: VERNON S. JOHNSON ESTATE	USGS 7 1/2 QUADRANGLE MAP NAME LITTLETON, WV	API #: 047-103-	