

Latitude: 39°30'00"

SURFACE HOLE 10218'

BOTTOM HOLE 2772'

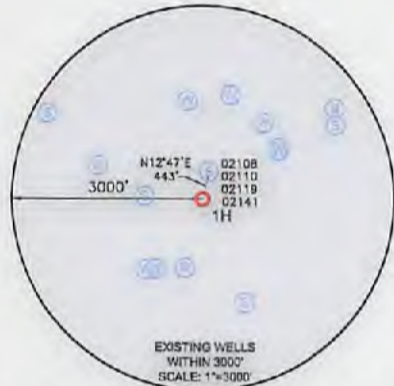
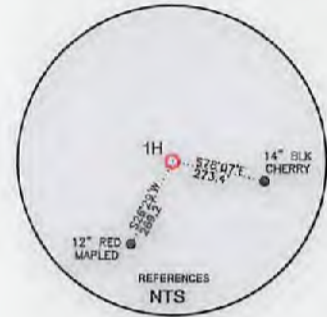
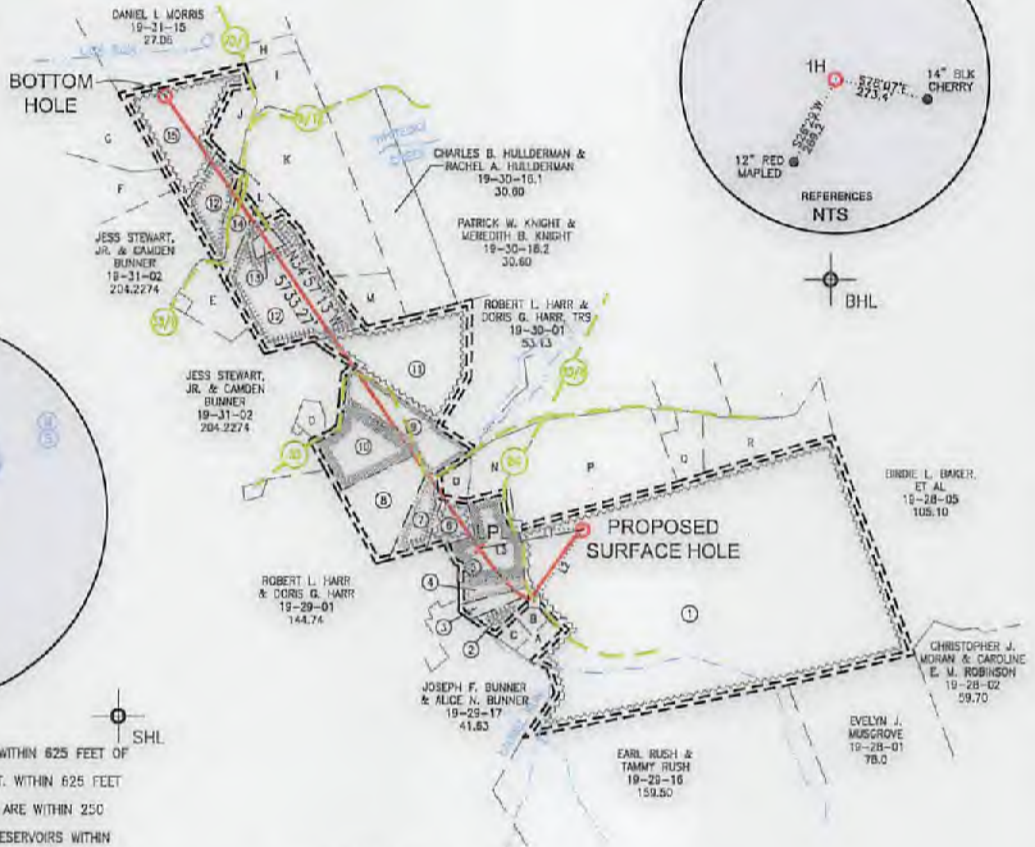
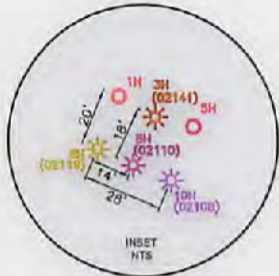
JACKSON SURVEYING INC.

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



Table with 2 columns: LOCATION (SHL, LPL, BHL) and UTM (NAD83, ZONE 17, METERS) coordinates (NORTHING, EASTING).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains data for lines L1, L2, and L3.



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. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 1000 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.

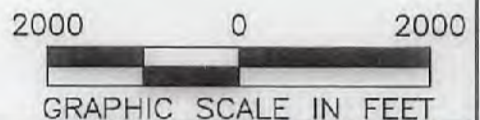
NOTES ON SURVEY

- 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.
4. 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

Table with 3 columns: State of West Virginia logo/info, Minimum Degree of Accuracy (1/200), and Operator's Well # (1H) and API Well # (47, 049, 02460 HGA).

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [X] DEEP [] GAS [X] LIQUID INJECTION [] STORAGE [] SHALLOW [X]
WATERSHED: LAUREL RUN OF WHITEDAY CREEK OF UPPER MONONGAHELA RIVER (HUC-10) ELEVATION: 1466.9'
DISTRICT: WINFIELD COUNTY: MARION QUADRANGLE: GLADESVILLE, WV
SURFACE OWNER: SEE TRACT 1 ON PAGE 2 ACREAGE: ±193.25
OIL & GAS ROYALTY OWNER: SEE TRACT 1 ON PAGE 2 ACREAGE: ±193.25
DRILL [X] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [X] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION [X]
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [] (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,317' TO 13,560' TMD

Table with 2 columns: WELL OPERATOR (SWN PRODUCTION COMPANY, LLC) and DESIGNATED AGENT (DEE SOUTHALL), including addresses and zip codes.

Table with 2 columns: LEGEND (PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, PROPOSED PATH) and REVISIONS/DATE.

49-08460


JACKSON SURVEYING
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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	EDWIN L. BUNNER & SANDRA J. BUNNER, BERNICE E. MILLER, BARBARA A. GREENE, MYRON R. MILLER, RICHARD T. MORGAN, JR., RICHARD EARL HUGHES, KENITA K. MASSARO & EUGENE J. MASSARO, CATHY JO KELLEY, CRYSTAL D. HAYNES, LUCILLE MCKINNEY, STEPHEN DWIGHT HUGHES, PAMELA ROSE SNYDER, JASON MULIK, CHRYSTLE DAWN BOLYARD, JUDITH JEANNETTE CLINE, TERESA WILLIAMS, VALERIE D. BOLTON, LESTER PRICE LAKE, NANCY L. HILL, A.K.A. NANCY L. SOSSOMAN, NAOMI CLAUDINE LAKE, RANDY WAYNE LAKE, LARRY JACKSON SHUTTLEWORTH, TERRY ROBERTS SHUTTLEWORTH, DARRELL L. SHUTTLESWORTH, JIMMY EUGENE LAKE, JUDY STAINBROOK, KENNETH LEO LAKE, JR., WILLIAM E. LAKE & JOYCE E. LAKE, RICHARD A. LAKE, JR., CRYSTAL LAKE BOUND, MICHAEL R. LAKE (S)/(R)	19-28-8	193.25
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	VIRGINIA K. BUNNER & FRANKLIN BUNNER (S)	19-29-19.5	2.452
3	FRANKLIN T. BUNNER & VIRGINIA K. BUNNER (S)	19-29-19.6	2.452
4	EARL F. HUFFMAN, JR., & CAROL A. HUFFMAN (S)	19-29-19.9	2.452
5	EARL V. RUSH, JR., & TAMMY S. RUSH (S)	19-29-19.4	12.355
6	EARL V. RUSH, JR., & TAMMY S. RUSH (S)	19-29-19.12	4.035
7	RAY M. RUSH & CYNTHIA S. RUSH (S)	19-29-19.3	6.074
8	JASON R. HIGGINS & KELLY J. HIGGINS, & CLIFFORD W. PRIEST (S)	19-29-19.2	12.355
9	ANITA G. PRIEST (S)	19-29-19	12.355
10	EARL V. RUSH, JR., & TAMMY S. RUSH (S)	19-29-19.1	12.355
11	JOHN R. MERRIFIELD & CHRISTINE G. MERRIFIELD (S)	19-30-1.1	15.71
12	ROBERT E. CARPENTER & KARLA M. CARPENTER (S)	19-30-18	35.29
13	RICHARD R. BUNNER & MARTHA L. BUNNER (S)	19-30-18.3	1.42
14	RICHARD R. BUNNER & MARTHA L. BUNNER (S)	19-30-18.4	3.54
15	ROBERT E. FERRELL & JANET B. FERRELL (S)	19-31-3	22.055

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MISTY FLUHARTY	19-29-19.7	2.00
B	LEAH A. HARLOW	19-29-19.11	1.50
C	CLAUDIA D. FORTNEY	19-29-19.8	1.50
D	JOHN E. STEWART & MARY L. STEWART	19-30-19	1.89
E	HAROLD D. HONAKER & BILLIE F. HONAKER	19-31-2.1	7.67
F	GREGORY A. HEISKELL	19-31-24	52.00
G	EMIL R. LIDDELL & MARIAN B. LIDDELL	19-31-23	61.75
H	WILLIAM R. LAYMAN & DEBORAH J. LAYMAN	19-31-15.1	2.933
I	LEO L. MORRIS	19-31-3.1	8.945
J	ROBERT E. FERRELL & JANET B. FERRELL	19-31-3.2	5.00
K	ROSA TRAVIS ESTATE	19-30-17	30.00
L	RICHARD R. BUNNER & MARTHA L. BUNNER	19-30-18.1	1.75
M	ROBERT E. CARPENTER & KARLA M. CARPENTER	19-30-18.2	6.25
N	LINDA PERKINS	19-29-18	6.62
O	EARL V. RUSH, JR. & TAMMY S. RUSH	19-29-19.10	2.019
P	LUELLA M. ROBE	19-28-7	33.66
Q	SALLY A. DONALDSON	19-28-6.1	6.199
R	EDWIN D. BUNNER & LANA J. BUNNER	19-28-6	12.50

09/22/2017

REVISIONS:	COMPANY:		
	OPERATOR'S	EDWIN BUNNER MRN	
	WELL #:	1H	
	DISTRICT:	COUNTY:	STATE:
	WINFIELD	MARION	WV
			DATE: 06-27-2017
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2