

Latitude: 40°00'00"

SURFACE HOLE 2959'

BOTTOM HOLE 8585'

JACKSON SURVEYING INC.

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

Latitude: 40°02'30"

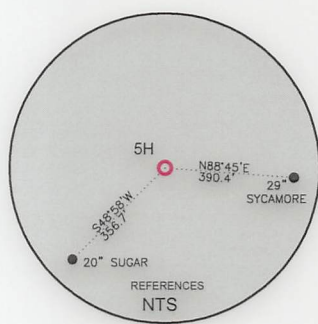
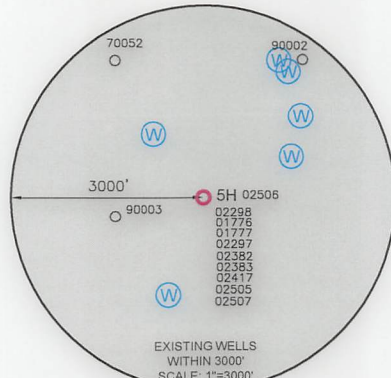
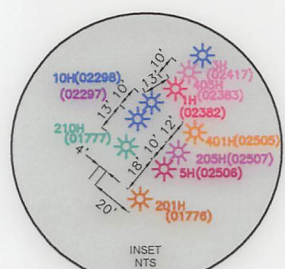
Longitude: 80°37'30"

Table with 2 columns: Location Type (e.g., SURFACE HOLE LOCATION, LANDING POINT LOCATION) and UTM Coordinates (NORTHING, EASTING).

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



Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains data for lines L1, L2, L3, and L4.



WELL RESTRICTIONS

- List of 6 well restrictions including distance from dwellings, buildings, water wells, streams, and public water supply.

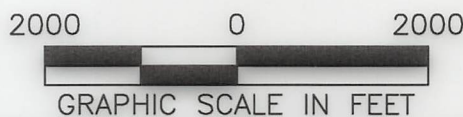
NOTES ON SURVEY

- Notes on survey including boundary information, parcel maps, and grid north reference.

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

Signature of David L. Jackson



COMPANY: SWN Production Company, LLC

Operator's Well #: 5H
API Well #: 47 STATE 051 COUNTY 02506 PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [X] DEEP [] GAS [X] LIQUID INJECTION [] STORAGE [] SHALLOW [X]
WATERSHED: WHEELING CREEK (HUC-10)
DISTRICT: SAND HILL COUNTY: MARSHALL
SURFACE OWNER: ROY A. SCHAFFER JR. & EDWARD J. SCHAFFER
OIL & GAS ROYALTY OWNER: ROY A. SCHAFFER JR. & EDWARD J. SCHAFFER
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: 6,001 TMD 22,018 TMD

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

REVISIONS: DATE: 05-06-2024
DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT

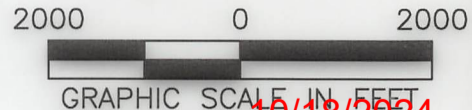
**JACKSON SURVEYING
INC.**

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



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P.S. 708 *David L Jackson*

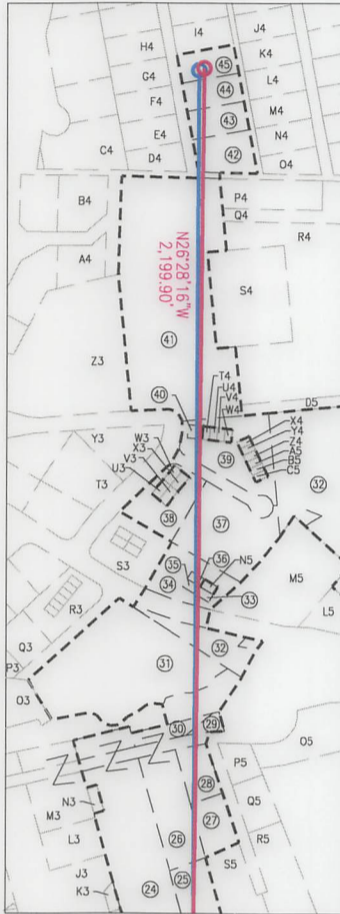


10/18/2024

REVISIONS:		COMPANY:			
OPERATOR'S		BETTY SCHAFER MSH		API #	
WELL #:		5H		47-051-02506	
DISTRICT:		COUNTY:		STATE:	
SAND HILL		MARSHALL		WV	
				DATE: 05-06-2024	
				DRAWN BY: N. MANO	
				SCALE: 1" = 2000'	
				DRAWING NO:	
				WELL LOCATION PLAT 2	

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

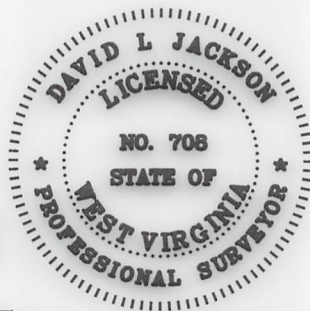
DETAIL "A"



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



10/18/2024



REVISIONS:	COMPANY:			
	OPERATOR'S		BETTY SCHAFER MSH	API #
	WELL #:		5H	47-051-02506
	DISTRICT:	COUNTY:	STATE:	DATE:
	SAND HILL	MARSHALL	WV	05-06-2024
				DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 3

**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	SCHAFFER ROY A JR & SCHAFFER EDWARD J (S/R)	12-9-22
TRACT		
2	GRAY JOHN ALVIN (S)	13-3-14
3	GRAY JARED (S)	13-3-14.7
4	LANGMYER RAYMOND (S)	12-9-4
5	MANNERS NATALIE M (S)	12-9-5.6
6	MANNERS-THIELE NADENE R & CHARLES L THIELE (S)	12-9-5.4
7	TEACOACH JAY M ET UX (S)	12-9-5.3
8	THIELE CHARLES L & NADENE R MANNERS-THIELE (S)	12-9-2.2
9	STRONG GREGORY S & LOUISE M (S)	12-9-2
10	THIELE CHARLES L & NADENE R MANNERS-THIELE (S)	12-9-2.3
11	MAAS BRIAN J & AMY C - TRUST (S)	13-3-8
12	MAAS BRIAN J & AMY C - TRUST (S)	13-3-10
13	WHARTON PETER R ET AL (S)	12-1-34
14	ESTEP DOUGLAS J & LINDA R - TOD (S)	12-1-33.1
15	SLIGAR JOHN WALTER (S)	12-1-39
16	MERCER DARICK B & RENEE A (S)	12-1-32
17	COFFIELD MICHAEL L & TYLENE R (S)	12-1-10
18	SLIGAR KAREN SCHENK (S)	12-1-5
19	HAMILTON MARY SCHENK & GARY P (S)	12-1-5.1
20	HAMILTON MARY SCHENK & GARY P (S)	12-1-5.4
21	ENGINEERED FOUNDATION SOLUTIONS, PLLS	12-1A-94
22	ROMAGNOLI JUDY E (S)	12-1A-23
23	ROMAGNOLI JUDY E (S)	12-1A-25
24	MILLER ROBERT A JR (S)	16-1-28
25	WESTFALL JAMES E JR (S)	16-1-29.1
26	O'HARA MARY R & EDWARD J (S)	16-1-29
27	KANDIS ADRIANNA & SHANE (S)	16-1-32
28	KANDIS ADRIANNA & SHANE (S)	16-1-30
29	WV DEPT OF TRANSPORTATION DIV OF HIGHWAYS (S)	16-1-35.1
30	WV DEPT OF TRANSPORTATION DIV OF HIGHWAYS (S)	16-1-29.2
31	TJG PROPERTIES LLC (S)	13-2-16
32	BOARD OF EDUCATION (S)	10-W96-40.2
33	TJG PROPERTIES LLC (S)	10-W99-4.4
34	TJG PROPERTIES LLC (S)	10-W99-4
35	TJG PROPERTIES LLC (S)	10-W99-4.1
36	TJG PROPERTIES LLC (S)	10-W99-4.2
37	TJG PROPERTIES LLC (S)	10-W99-3
38	TJG PROPERTIES LLC & SOLACE PROPERTIES LLC (S)	10-W99-6
39	STEVICK DENISE A (S)	10-W99-7
40	DEPTO MARY V (S)	10-W99-7.1
41	CARDINAL HEALTH 110 LLC (S)	10-W96-39.1
42	KEY ANTHONY JR & BARBARA A (S)	10-W96-32
43	GALARDI RICHARD A (S)	10-W96-27
44	STAN MICHAEL T & DEE (S)	10-W96-22
45	HICKMAN WILLIAM J & THERESA M (S)	10-W96-18

10/18/2024

REVISIONS:	COMPANY:						
							
	OPERATOR'S	BETTY SCHAFFER MSH	API #		DATE: 05-06-2024		
	WELL #:	5H	47-051-02506		DRAWN BY: N. MANO		
DISTRICT:	SAND HILL	COUNTY:	MARSHALL	STATE:	WV	SCALE:	N/A
						DRAWING NO:	
						WELL LOCATION PLAT 4	



**JACKSON SURVEYING
INC.**

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Clarksburg, WV 26302
304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	SCHAFFER ROY A JR & SCHAFFER EDWARD J	12-9-23
B	SCHAFFER ROY A JR & SCHAFFER EDWARD J	12-9-22.1
C	OHIO COUNTY COAL RESOURCES INC	12-9-22.2
D	FISH PATRICIA A & FREDERICK W	12-10-1.2
E	ROMAN JEWELL L	12-10-1
F	HOGG THOMAS G & DONN W ET AL	13-8-3
G	HOGG THOMAS G & DONN W ET AL	13-8-4
H	SCHAFFER ROY A JR & EDWARD J	12-9-24
I	HART JOHN J & RENEE A	13-8-2.1
J	HART JOHN J & RENEE A	13-3-11
K	LANGMYER SCOTT R & MELANEY F	12-9-3
L	LANGMYER RAYMOND J	12-9-3.1
M	GRAY JOHN ALVIN	13-3-13
N	LANGMYER SCOTT R & MELANEY F	12-9-2.1
O	MAAS BRIAN J & AMY C - TRUST	13-3-9
P	MAAS BRIAN J & AMY C - TRUST	13-3-10
Q	BONACCI BRIAN F	13-3-5.1
R	MCADAMS ROBERT E & JODY L	12-1B-27.1
S	MATTUCCI MARK A	12-1B-28
T	MATTUCCI MARK A	12-1B-28.2
U	MATTUCCI MARK A	12-1B-28.1
V	MATTUCCI MARK A	12-1B-29
W	MALARSKI PETE E ET UX	12-1B-34
X	MALARSKI PETE E ET UX	12-1B-35
Y	MALARSKI PETE E ET UX	12-1B-36
Z	STEGMAN CATHERINE A - TOD	12-1B-37
A2	STEGMAN CATHERINE A - TOD	12-1B-37.1
B2	STEGMAN CATHERINE A - TOD	12-1B-38
C2	WHARTON PETER R ET AL	12-1-34.1
D2	WHARTON PETER R ET AL	12-1-35
E2	PATEL SHYAMSUNDAR K	12-1-33
F2	PATEL SHYAMSUNDAR K	12-1-36
G2	GRIFFITH THOMAS A	12-1-37
H2	ESTEP DOUGLAS J & LINDA R - TOD	12-1-38
I2	SLIGAR NOEL W & CHRISTA M	12-1-39.2
J2	MCCULLEY JOSEPH DANIEL ET UX	12-1-39.1
K2	ROMAN EUGENE H	12-1-40.1
L2	EARNEST ALLEN DOUGLAS	12-1-40
M2	HENRY LORI MYLES	12-1-41
N2	MARPLE JEFFREY J & BARBARA J	12-1-32.1
O2	HIGGINS CONSTANCE L - LIFE	12-1-7.3
P2	RUNKLE SHERRY L	12-1-7.2
Q2	SUGAR KAREN SCHENK & TERRY B	12-1-5.2
R2	REARDON SHELLY S	12-1-5.6
S2	WETMORE BROOKE L & BRIAN B	12-1-5.5
T2	SLIGER KAREN SCHENK & TERRY B	12-1-6
U2	SLIGAR KAREN SCHENK & TERRY B	12-1-5.3
V2	SIMMS JOYCE A GEER ET AL	12-1-7.4
W2	SCHAFFER EDWARD J & BRENDA M	12-1-7.1
X2	HAND WILLIAM L & CARNEY-HAND CHARMARINE J	12-1B-1
Y2	SCHAFFER EDWARD J ET UX	12-1B-3
Z2	MOSA BRADLEY J & LEDBETER BEVERLY	12-1B-4.1
A3	HUGHES HEIDI SCHENK	13-3-5.2
B3	WHITE HORSE FARM LLC	13-3-6
C3	WHITE HORSE FARM LLC	13-3-2
D3	COVENANT COMMUNITY CHURCH TRS	13-2-22
E3	MCCORMICK MARY RITA	16-2-7
F3	STACEY VILLAGE LTD PARTNERSHIP	16-2-1.1
G3	FARHATT MARY JAYNE	16-1-63
H3	UNKNOWN	12-1A-24
I3	WHEELING MAR-WIN CHURCH OF NAZARENE TRUSTEES	16-1-26
J3	MERRITT DOUGLAS W & REBECCA A	16-1-65
K3	MILLER ROBERT A JR	16-1-65.1
L3	MERRITT DOUGLAS W REBECCA A	16-1-27.1
M3	MERRITT REBECCA A & ROBERT A MILLER JR	16-1-27
N3	MERRITT REBECCA A & ROBERT A MILLER JR	16-1-28.1
O3	PERONI CONSTRUCTION INC	13-2-17
P3	T J G PROPERTIES LLC	16-2CC-4
Q3	STILLION CHRISTOPHER E & HEATHER W	16-2CC-3
R3	GLEN HOLLIN CONDOMINIUM ASSOC INC	16-2CC-48
S3	TJG PROPERTIES LLC	10-W99-5
T3	GUMP DENNIS JAMES	10-W99-12
U3	TJG PROPERTIES LLC	10-W99-6.1
V3	SOLACE PROPERTIES LLC	10-W99-6.4
W3	TJG PROPERTIES LLC	10-W99-6.2
X3	TJG PROPERTIES LLC	10-W99-6.3
Y3	TJG PROPERTIES LLC	10-W99-8
Z3	PERONI CONSTRUCTION INC	10-W96-39.2

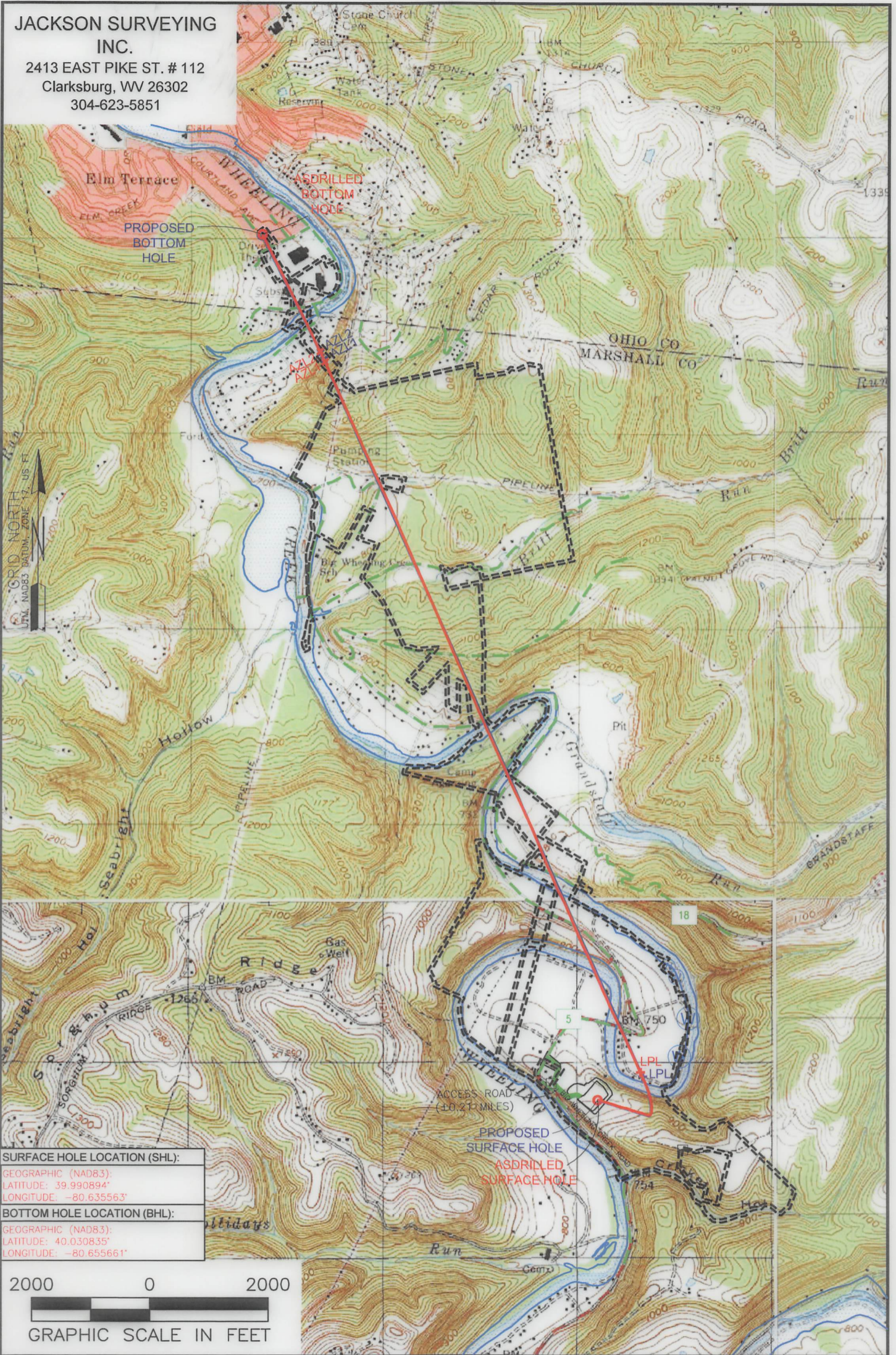
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A4	WOJCIK STEPHEN E III & CRISTI	10-W96-41
B4	PEKLINSKY CAROLENE B	10-W96-42
C4	DEI TODD D & STACIE L	10-W95-209
D4	MUSSER R M & P (SELLER);MUSSEY N M & A L (BUYER)	10-W96-31
E4	HUNTER MARILYN DARLENE	10-W96-26
F4	WHORTON ROBERT D & PAMELA J	10-W95-105
G4	HICKMAN TAMMY L	10-W95-104
H4	BECKER DAVID A & MARY R	10-W95-103
I4	NORMAN JAMES S & SONDRRA K	10-W96-14
J4	WISE KIMBERLY J & JEFFREY C	10-W96-15
K4	CRAWFORD FAMILY TRUST	10-W96-19
L4	MARTIN GARY B & E A	10-W96-23
M4	CHARLEY SHANE & ELIZABETH	10-W96-28
N4	SLEIME THOMAS A & D C	10-W96-33
O4	HETZEL LYNN E	10-W96-36
P4	DANAHEY MARY MARGARET (LE) DANAHEY U L; LEECH D	10-W96-39.3
Q4	CARDINAL HEALTH 110 LLC	10-W96-39.4
R4	CARDINAL HEALTH 110 LLC	10-W96-39
S4	CARDINAL HEALTH 110 LLC	10-W96-39.6
T4	REDDY ELEANOR JEAN - TOD	10-W99-7.2
U4	RAUSCHER KENNETH L	10-W99-7.3
V4	FOSTER MARGARET	10-W99-7.4
W4	GRIFFIN BETTY LOU	10-W99-7.5
X4	PRINCE AARON MARK	10-W99-7.6
Y4	MCGRAIL EILEEN E	10-W99-7.7
Z4	DEPTO MARY V	10-W99-7.8
A5	GARRITANO ADRIANO & DANIELLE R	10-W99-7.9
B5	MURRAY MARION E	10-W99-7.10
C5	SYMONS JOHN H	10-W99-7.11
D5	CARDINAL HEALTH 110 LLC	10-W96-39.5
E5	ROBRECHT RICHARD M & SUSAN L	10-W96-43
F5	SILO INC C/O ROBINSON RICHARD	6-T17B-324
G5	SILO INC C/O ROBINSON RICHARD	6-T17-7
H5	MAXWELL SHIRLEY L	6-T17B-17
I5	MAXWELL SHIRLEY L & C L JR	6-T17B-18
J5	FLATLEY R KEVIN	16-1-38
K5	FLATLEY R KEVIN	16-1-37
L5	WHEELING POWER CO WHEELING ELECTRIC CO	10-W99-2
M5	WHEELING POWER COMPANY WHEELING ELECTRIC CO	10-W99-1
N5	TJG PROPERTIES LLC	10-W99-4.3
O5	ATLAS REAL ESTATE	16-1-35.2
P5	KUNTZ CLESTA - TOD	16-1-31
Q5	HAYES MARK K & RHONDA J	16-1-33
R5	BURKE JAMES & ANDREA	16-1-67
S5	WESTFALL JAMES E JR & VICKIE	16-1-66
T5	ROMAGNOLI JUDY E - TOD	12-1A-27
U5	ROMAGNOLI JUDY E	12-1A-26
V5	ROMAGNOLI JUDY E	12-1A-22
W5	FRANK WILLIAM EMMETT ET UX	12-1A-19.1
X5	WARNICK RONALD & ESTHER	12-1A-19
Y5	BLUST HAROLD F	12-1A-18.2
Z5	BLUST HAROLD F	12-1A-87
A6	SNYDER JOHN J ET UX	12-1A-85
B6	SNYDER JOHN J ET UX	12-1A-84
C6	ZDONCZYK ROBIN G	12-1A-83.1
D6	SNYDER LONNIE A	12-1A-83
E6	HARTMAN WALTER L ET UX	12-1-10.1
F6	COFFIELD MICHAEL & TYLENE	12-1-47
G6	BARTOLOVICH STEPHEN M	12-1-11
H6	LEASURE ANNA	12-1-30
I6	KUNTZ JOHN H	12-1-31
J6	CONSOLIDATION COAL COMPANY/ MURRAY ENERGY C/O LAND DEPT	12-1-10.2
K6	ADASE GEORGE & LAURIE	12-1-29
L6	SAVAGE CHARLES JACKSON	12-1-29.1
M6	ADASE GEORGE & LAURIE	12-1-28
N6	HADSELL SANDRA L	12-1-20
O6	MERINAR JUSTIN K	12-1-21
P6	DYE ALBERT M - LIFE	12-9-6
Q6	DYE WILLIAM R	12-9-1
R6	MANNERS DANIEL J ET UX	12-9-5
S6	ANDERSON MICHAEL	12-9-5.5
T6	STEADMAN FRANKLIN L ET UX	12-9-5.1
U6	PROVANCE FRANK J & ELIZABETH & BARRY F	13-3-14.5
V6	SHEPHERD TIMOTHY & DEBORAH L	13-3-14.4
W6	GRAY JOHN ALVIN	12-9-21
X6	JESTERS COURT 13 INC	13-3-14.3
Y6	JESTERS COURT 13 INC	13-3-14.2
Z6	JESTERS COURT 13 INC	13-3-14.1
A7	FISHER CHARLES B & CARLA S	12-9-20
B7	MERINAR CALVIN C - LIFE	12-9-19

10/18/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	BETTY SCHAFFER MSH	API #
	WELL #:	5H	47-051-02506
	DISTRICT:	SAND HILL	COUNTY:
		STATE:	WV
		DATE:	05-06-2024
		DRAWN BY:	N. MANO
		SCALE:	N/A
		DRAWING NO:	
		WELL LOCATION	PLAT 5

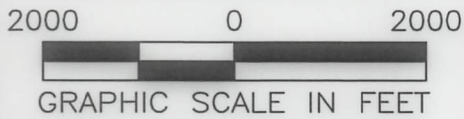
**JACKSON SURVEYING
INC.**

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.990894°
LONGITUDE: -80.635563°

BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.030835°
LONGITUDE: -80.655661°



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

10/18/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: BETTY SCHAFER MSH	WELL # 5H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; SAND HILL	
SURFACE OWNER: ROY A. SCHAFER JR. & EDWARD J. SCHAFER	USGS 7 1/2 QUADRANGLE MAP NAME MOUNDSVILLE, WV	API # 47-051-02506	