

Latitude: 40°00'00"

SURFACE HOLE 8166'

Latitude: 40°05'00"

BOTTOM HOLE 4111'

JACKSON SURVEYING INC.

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

Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1 through L9.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Contains curve data for lines L3, L7, and L8.

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

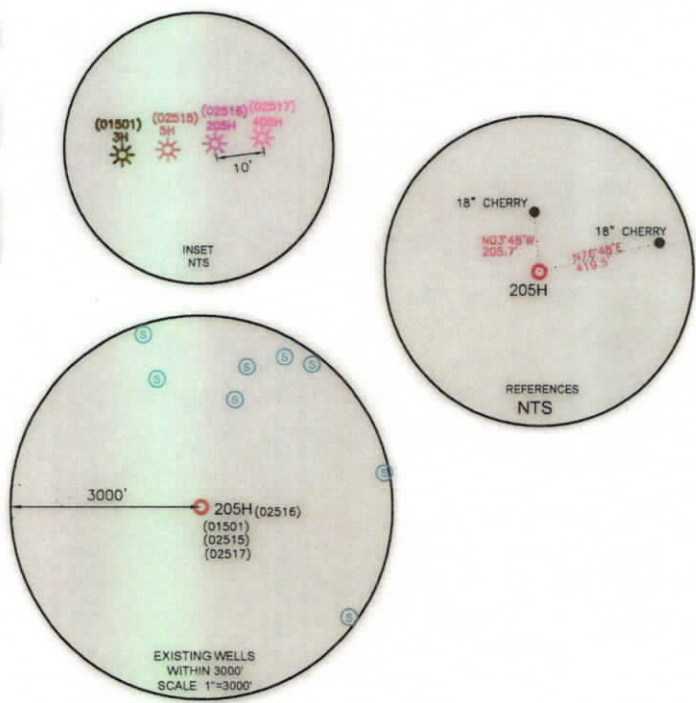


Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates.

WELL RESTRICTIONS

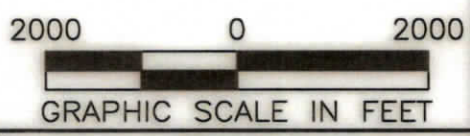
- List of 6 well restrictions including distance requirements from dwellings, buildings, water wells, streams, and public water supply.

NOTES ON SURVEY

- Notes on survey including boundary plotting from deeds, field locations, and grid north orientation.

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

State of West Virginia logo and address: 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)

OPERATOR'S WELL #: RUTH KELLER MSH 205H
API WELL #: 47 STATE, 051 COUNTY, 02516 PERMIT

Well type and completion details: WELL TYPE: OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW. Includes watershed, district, county, surface owner, and target formation (Marcellus).

Well operator and designated agent information: WELL OPERATOR: SWN PRODUCTION COMPANY, LLC; DESIGNATED AGENT: BRITTANY WOODY.

Legend and Revisions: Legend includes symbols for proposed holes, existing wellheads, landing points, water wells, springs, boundaries, and paths. Revisions table and date: 12-09-2024.

JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851



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.

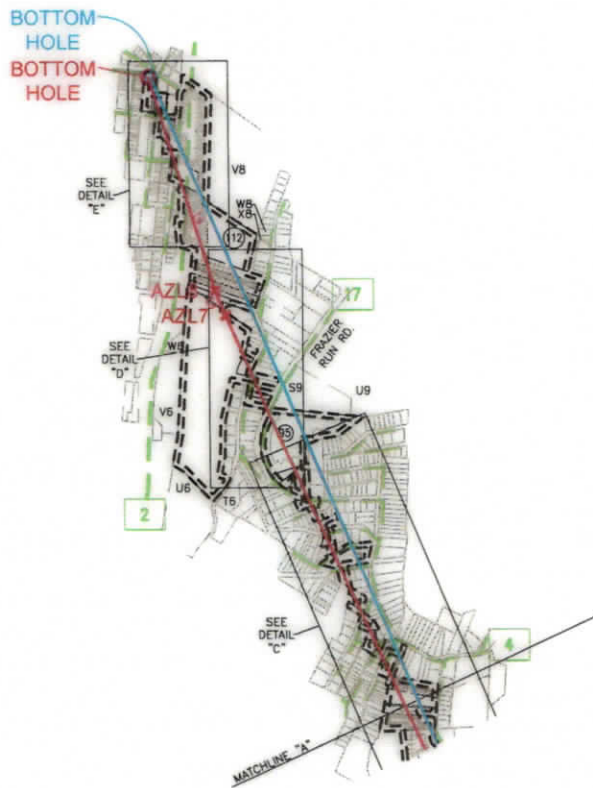
P.S. 708

*David L Jackson*

01/17/2025

REVISIONS:	COMPANY:		
		OPERATOR'S	RUTH KELLER MSH
		WELL #:	205H
		DISTRICT:	UNION
		COUNTY:	MARSHALL
		STATE:	WV
		API #:	47-051-02516
		DATE:	12-09-2024
		DRAWN BY:	N. MANO
		SCALE:	N/A
		DRAWING NO:	
		WELL LOCATION PLAT	2

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



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.

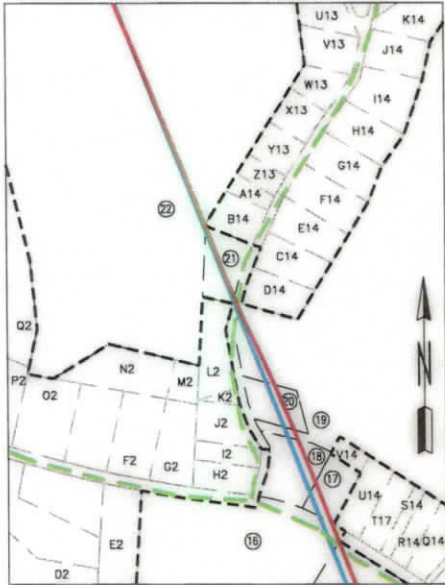
P.S. 708 *David L Jackson*

01/17/2025

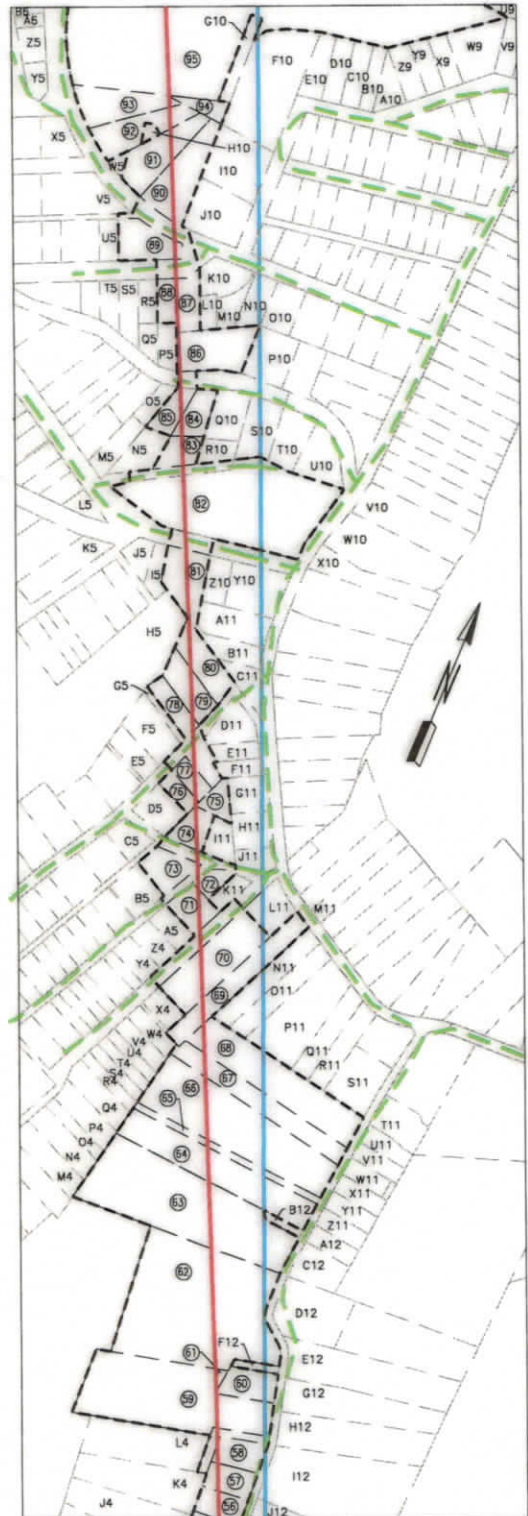
REVISIONS:	COMPANY:		
		OPERATOR'S	RUTH KELLER MSH
		WELL #:	205H
		DISTRICT:	UNION
		COUNTY:	MARSHALL
		STATE:	WV
		API #:	47-051-02516
		DATE:	12-09-2024
		DRAWN BY:	N. MANO
		SCALE:	N/A
		DRAWING NO:	
		WELL LOCATION PLAT	3

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

DETAIL "A"



DETAIL "C"



DETAIL "B"



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.

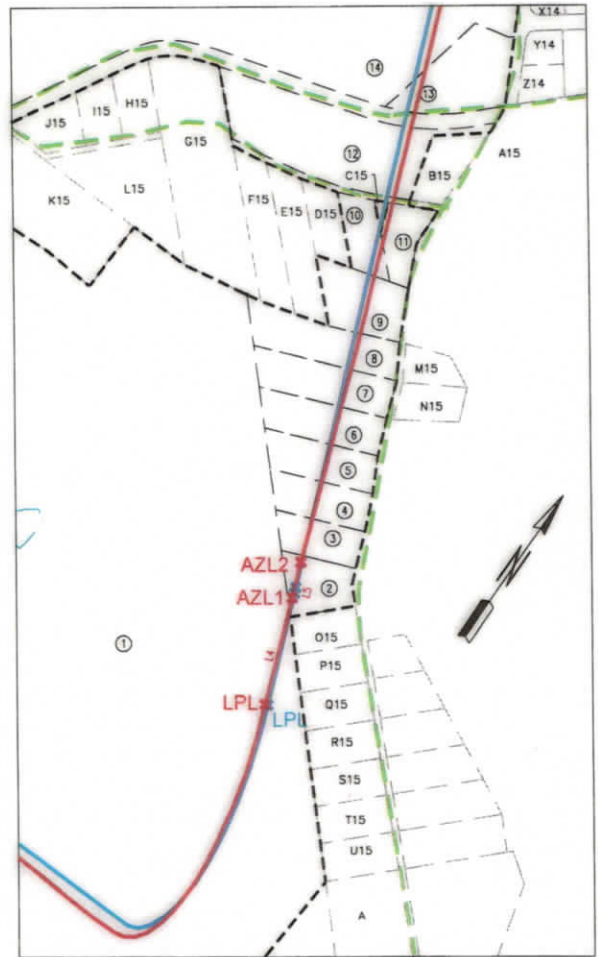
P.S. 708 *David L Jackson*

01/17/2025

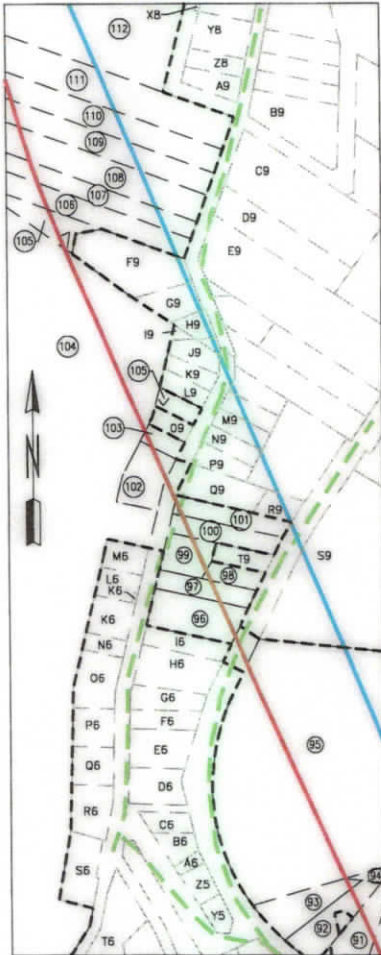
REVISIONS:	COMPANY:			
	OPERATOR'S	RUTH KELLER MSH	API #:	DATE: 12-09-2024
	WELL #:	205H	47-051-02516	DRAWN BY: N. MANO
	DISTRICT:	UNION	COUNTY:	SCALE: N/A
			STATE:	DRAWING NO:
			WV	WELL LOCATION PLAT 4

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

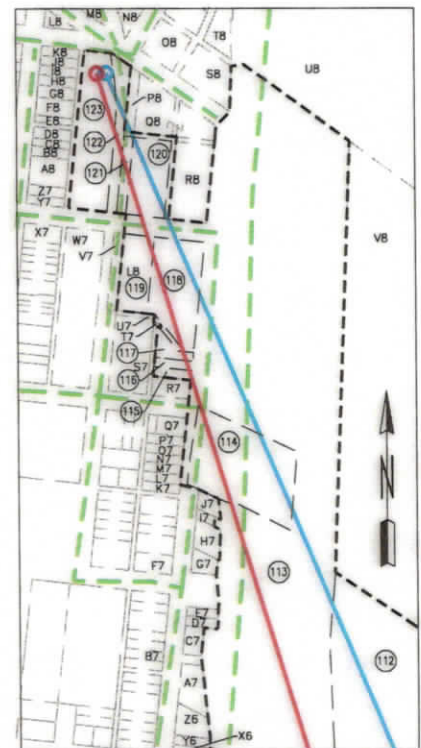
DETAIL "F"



DETAIL "D"



DETAIL "E"



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*

01/17/2025


REVISIONS:	COMPANY:			
	OPERATOR'S		RUTH KELLER MSH	API #:
	WELL #:		205H	47-051-02516
	DISTRICT:	COUNTY:	STATE:	DATE:
	UNION	MARSHALL	WV	12-09-2024
				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

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	KELLER BRIAN J & COOK DAVID J & ALICE M - TOD (S/R)	13-6-50
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	PEACE NATHANIEL O & ELAINE M (S)	13-7C-4
3	NEMCOSKY ROBERT L ET UX (S)	13-7C-5
4	DEL RE MARVIN E ET UX (S)	13-7C-6
5	RENZELLA PATRICIA R (S)	13-7C-7
6	HARBISON WALTER L ET UX (S)	13-7C-8
7	HARBISON WALTER L ET UX (S)	13-7C-9
8	COX MARY FRANCES EST (S)	13-7C-10
9	BONENBERGER J KEITH ET UX (S)	13-7C-11
10	DEHNER MANFRED C (S)	13-7C-13
11	HAUGHT CLIFTON R ET UX (S)	13-7C-12
12	GAMBLE REBECCA C EST (S)	13-7C-22
13	SCHERICH LEIGH ANN (S)	13-7-1.4
14	CALDWELL CHRISTIAN A (S)	13-7-1.1
15	HULL GEORGE JEFFREY (S)	13-6-31.2
16	HULL GEORGE J & SANDRA JO (S)	13-6-31
17	FULTZ FAMILY TRUST (S)	13-6-29.7
18	TAVERNIA RICHARD L & SAMANTHA (S)	13-6-29.4
19	SIMON MARK CRAIG & LORI A - TOD (S)	13-6-29
20	MONTES MARLENE - TOD (S)	13-6A-19
21	PORTER GREGORY G SR (S)	13-6A-7
22	HALL LLOYD T & LORNA K (S)	13-6-28.6
23	HALL LLOYD T & LORNA K (S)	13-6-28
24	KUBANCIK SUZANNE M (S)	13-5-22
25	SHUTLER ROBERT J & ANTOINETTE (S)	13-5-21
26	OHIO COUNTY COAL RESOURCES INC (S)	13-5-14
27	KUBANCIK STANLEY M ET UX (S)	13-5-28
28	OHIO COUNTY COAL RESOURCES INC (S)	13-5-13.1
29	BISHOP CODY A & MARY B (S)	13-1-55
30	BISHOP CODY A & MARY B (S)	13-1-56.2
31	SMITH PHILIP J & TAMMY L (S)	13-1-56.4
32	SMITH PHILIP J & TAMMY L (S)	13-1-56.3
33	KLUG'S GREENHOUSE LLC (S)	13-1-56.6
34	KLUG'S GREENHOUSE LLC (S)	13-1-56.7
35	OHIO COUNTY COAL RESOURCES INC (S)	13-1-56
36	OHIO COUNTY COAL RESOURCES INC (S)	13-1-58
37	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT (S)	13-1-58.1
38	OHIO COUNTY COAL RESOURCES INC (S)	13-1-71.1
39	OHIO COUNTY COAL RESOURCES INC (S)	13-1-59
40	OHIO COUNTY COAL RESOURCES INC (S)	13-1-60
41	OHIO COUNTY COAL RESOURCES INC (S)	13-1-61
42	OHIO COUNTY COAL RESOURCES INC (S)	13-1-69
43	OHIO COUNTY COAL RESOURCES INC (S)	13-1-68
44	SHUTLER ROBERT J & ANTOINETTE (S)	13-1-36
45	OHIO COUNTY COAL RESOURCES INC (S)	13-1-37
46	OHIO COUNTY COAL RESOURCES INC (S)	13-1-7
47	OHIO COUNTY COAL RESOURCES INC (S)	13-1-6
48	COX LYDA FAMILY TRUST (S)	13-1K-20
49	NISPERLY RODNEY & KIMBERLY A (S)	13-1K-19
50	BOOHER DENISE L (S)	13-1K-18
51	BOOHER DENISE L (S)	13-1K-17
52	HALL ROBERT H & LAURA L (S)	13-1K-16

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
53	HALL ROBERT H & LAURA L (S)	13-1K-15
54	MOORE MICHAEL E (S)	13-1K-32
55	WADE CALLIE E (S)	13-1K-34
56	CONAWAY MARY LOUISE (S)	13-1K-35
57	CAMPBELL ADAM B ET AL (S)	13-1K-36
58	DOVE DAVID A (S)	13-1K-37
59	WIECHMAN GARY E & LAURA LEE A (S)	13-1K-9
60	TEMPLIN SANDRA ANN (S)	13-1K-7
61	TEMPLIN SANDRA ANN (S)	13-1K-8
62	SAMPSON SHAWN T & MELYNDA D (S)	13-1K-1
63	REDFORD CAROLYN M (S)	13-1B-26
64	THOMPSON BRIAN K (S)	13-1B-27
65	THOMPSON BRIAN K (S)	13-1B-28
66	BARTOLOVICH BRENDA J & ALBERT (S)	13-1B-29
67	GUNION MARSHA LYNN (S)	13-1B-30
68	WHIPKEY HERBERT J (S)	13-1B-31
69	RAGER TRISTA (S)	13-1B-38
70	SINGER DAVID L ET UX (S)	13-1A-213
71	WILLIAMS DRAKE (S)	13-1A-164
72	NOLAN EDWARD S (S)	13-1A-163
73	VANI ROBERT M ET UX (S)	13-1A-187
74	SMITH JAMES A II (S)	13-1A-206
75	MYERS GREG (S)	13-1A-208
76	MYERS GREG (S)	13-1A-204
77	MYERS GREG (S)	13-1A-203
78	JASKO JENNIFER L (S)	10-W93-20.1
79	GONGOLA DEBBIE J (S)	10-W93-20
80	MULL JACOB & MADALYN (S)	10-W93-19
81	PERKO CHRISTOPHER M JR & CHRISTOPHER M PERKO SR (S)	10-W89-199
82	CITY OF WHEELING (S)	10-W89-195
83	BLUMENAUER JEFFERY H & ASHLEY (S)	10-W89-76
84	PREBEG FRANK JAY (S)	10-W89-75
85	WELTON MARY J (S)	10-W89-73
86	JOHNSON SUE LANE (S)	10-W89-186.1
87	MANTEAU BRANDY & SCOTT E II (S)	10-W89-82
88	SHAW ROBERT A (S)	10-W89-84
89	KOSKY JOHN & ASHLEY (S)	10-W89-90
90	ZADAI DEBORAH (S)	10-W89-116.4
91	MIRANDY STEPHEN M & WENDY L (S)	10-W89-116.1
92	STOEHR LISA (S)	10-W89-116.3
93	HOLLOWAY RANDY COLE (S)	10-W89-116.2
94	ULRICH WILLIAM C & HALEY J M (S)	10-W89-117.1
95	DOBBS DANIEL L; DOBBS JULIE A (S)	10-W89-116
96	WHEELING POWER CO ; WHEELING ELECTRIC CO (S)	10-W85-26
97	BEAVER DEBRA JEAN (S)	10-W85-27
98	OCH GERALD T & C L (S)	10-W85-28.1
99	BEAVER DEBRA JEAN (S)	10-W85-30
100	PARCELL FLORA I & MYERS W C JR C/O DAY IRENE (S)	10-W85-31
101	WEST JOHN D SR ESTATE (S)	10-W85-32
102	JACKSON VICTOR L JR & ELLEN M (S)	10-W85-21
103	DONAHER VIRGINIA (LIFE ESTATE), DONAHER JOHN J (S)	10-W85-19
104	BUTLER HARLEY L & S J (S)	10-W85-22
105	PARKER LINDA; EVANS ETHEL (S)	10-W85-17
106	WHITE BRIAN M & DANA E (S)	10-W85-11
107	KOZUSNIK JAMES (S)	10-W85-10
108	GRAMLICH MARY P & PHILLIP E GRAMLICH ESTATE (S)	10-W85-9
109	ZOMBK JOSEPH A & DEBRA A (S)	10-W85-8
110	JUSTICE BENJAMIN M & BROOK (S)	10-W85-8.3
111	WAGNER RUSSELL I & MAUREEN (S)	10-W85-7
112	UNKNOWN OWNER (S)	10-W85-3
113	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS (S)	US RT 250
114	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS (S)	US RT 250
115	KUNZ HARRY S JR & DEBORAH A (S)	10-W78-423
116	STANFORD DALE C & J A (S)	10-W78-422
117	DAVIS RICHARD & LESLIE (S)	10-W78-405.1
118	BANAL JOSEPH A (S)	10-W78-420
119	UNION FISH MARKET INC (S)	10-W78-406
120	MANIAR BHARAT (S)	10-W78-407
121	MANIAR BHARAT & ILA (S)	10-W78-501
122	MCCOLLOCH PROPERTY LLC (S)	10-W78-498
123	MCCOLLOCH PROPERTY LLC (S)	10-W78-380

01/17/2025

REVISIONS:	COMPANY:		
	OPERATOR'S	RUTH KELLER MSH	API #:
	WELL #:	205H	47-051-02516
	DISTRICT:	UNION	STATE:
	COUNTY:	MARSHALL	WV
			DATE: 12-09-2024
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 6







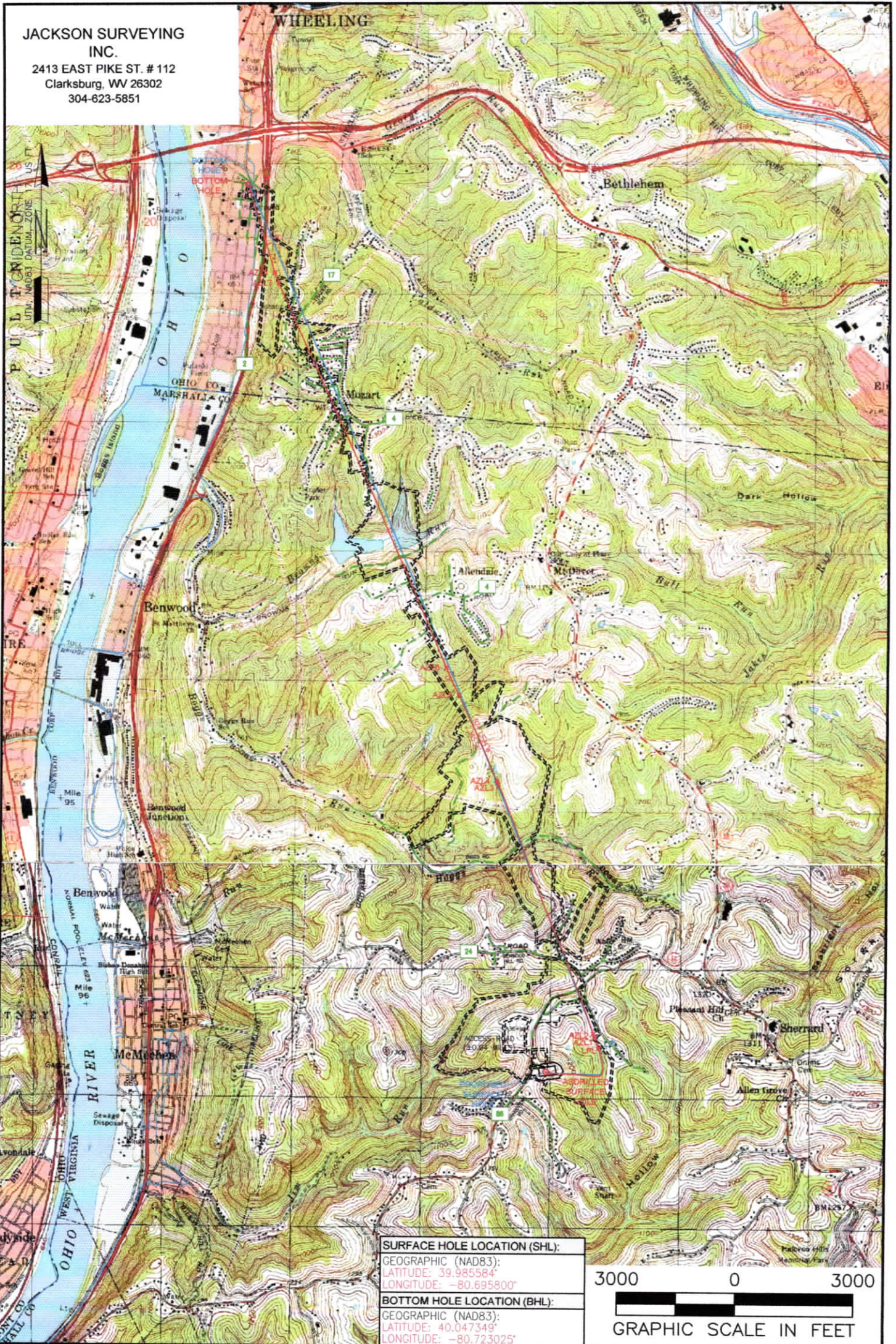
JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26302  
 304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
U14	JOHNSON ROBERT K & PATRICIA L	13-6-29.10
V14	FULTZ FAMILY TRUST	13-6-29.8
W14	HULL GEORGE J & SANDRA J	13-7-1.5
X14	VARNER JOHN R & ANDREA R	13-7B-1
Y14	HILL SANDRA K	13-7B-32
Z14	HILL SANDRA K	13-7B-31
A15	TUSKEY SHELLEY L & ROBERT K	13-7-40
B15	GAMBLE ESTHER M	13-7C-23
C15	DEHNER MANFRED C	13-7C-12.1
D15	CUNNINGHAM GERALD G - TOD	13-7C-14
E15	ADAMS ANDREW B	13-7C-15
F15	FINNEGAN GEORGE ROBERT	13-7C-16
G15	VANNEST ALEX M & HOWARD ALLIE R	13-7C-17
H15	GAMBLE REBECCA C EST	13-7C-19
I15	FISHER CHRISTINA MARIE	13-7C-20
J15	FISHER CHRISTINA MARIE	13-7C-21
K15	KELLER BRIAN J & JANET	13-6-50.5
L15	HECKMAN FLORA BELLE - TOD	13-7C-18
M15	SMITH MARK S ET UX	13-7-40.1
N15	RIGBY RALPH V ET UX	13-7-40.2
O15	PEACE NATHANIEL O & ELAINE M	13-7C-3
P15	NOVICK RYAN J & ALEXANDRA P	13-7C-2
Q15	ELSON LINDA S & SAMUEL F	13-7C-1
R15	SEACHRIST MARGARET TURNER - TOD	13-7-44
S15	SEACHRIST MARGARET TURNER - TOD	13-7-45
T15	YOUNG MICHAEL D ET UX	13-7-51
U15	YOUNG MICHAEL D ET UX	13-7-50

01/17/2025

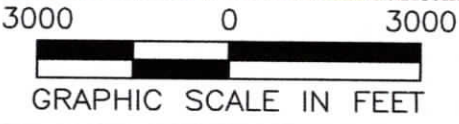
REVISIONS:	COMPANY:			
	OPERATOR'S			DATE: 12-09-2024
	WELL #:	COUNTY:		DRAWN BY: N. MANO
	DISTRICT:	STATE:		SCALE: N/A
	UNION	MARSHALL	WV	
			DRAWING NO:	
			WELL LOCATION PLAT 9	

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



**SURFACE HOLE LOCATION (SHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 39.985584°  
LONGITUDE: -80.695800°

**BOTTOM HOLE LOCATION (BHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.047349°  
LONGITUDE: -80.723025°



**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.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL\* LANDING POINT LOCATION
- ⬭ FLOOD PLAIN
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

01/17/2025

**WELL OPERATOR:**  
SWN PRODUCTION COMPANY, LLC  
**ADDRESS:**  
1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508  
**SURFACE OWNER:**  
BRIAN J. KELLER & DAVID J. & ALICE M. COOK (TOD)

<b>WELL (FARM) NAME:</b> RUTH KELLER MSH	<b>WELL #</b> 205H	<b>SERIAL #</b>
<b>COUNTY - CODE</b> MARSHALL - 051	<b>DISTRICT; UNION</b>	
<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> MOUNDSVILLE, WV	<b>API #</b> 47-051-02516	