



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, January 17, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for Ruth Keller MSH 205H
47-051-02516-00-00

Corrections for drilling through incorrect leases

SWN PRODUCTION COMPANY, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: Ruth Keller MSH 205H
Farm Name: Brian J Keller, David J & Alice M Cook
U.S. WELL NUMBER: 47-051-02516-00-00
Horizontal 6A New Drill
Date Modification Issued: 1/17/2025

Promoting a healthy environment.

01/17/2025

WW-6B
(04/15)

4705102516
API NO. 47-051

OPERATOR WELL NO. Ruth Keller MSH 205H

Well Pad Name: Ruth Keller MSH

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: SWN Production Co., LLC 494512924 051-Marshall 7-Union 486-Moundsville
Operator ID County District Quadrangle

2) Operator's Well Number: Ruth Keller MSH 205H Well Pad Name: Ruth Keller MSH

3) Farm Name/Surface Owner: Brian J. Keller & David J. & Alice M. Cook Public Road Access: Glen Dale Heights Road

4) Elevation, current ground: 1327' Elevation, proposed post-construction: 1327'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):

Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 6360', Target Base TVD- 6416'. Anticipated Thickness- 56', Associated Pressure- 4170

8) Proposed Total Vertical Depth: 6405'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 30,719'

11) Proposed Horizontal Leg Length: 19815.76'

12) Approximate Fresh Water Strata Depths: 462'

13) Method to Determine Fresh Water Depths: Salinity Profile on Serafin Ortiz Pad

14) Approximate Saltwater Depths: 1216' Salinity Profile

15) Approximate Coal Seam Depths: 830'

16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 830'

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: _____

Depth: _____

Seam: _____

Owner: _____

Strader Gower

11/22/2024

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DEC 18 2024

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Enviro
mental Page 1 of 3

01/17/2025

WW-6B
(04/15)

4705102516
 API NO: 47-01
 OPERATOR WELL NO. Ruth Keller MSH 205H
 Well Pad Name: Ruth Keller MSH

18) **CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	136'	136'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	871'	871'	1989 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2775'	2775'	1082 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	30719'	30719'	Tail 5785x/ 100' Inside Intermediate
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/10-15% Excess
Tubing							
Liners							

PACKERS

Kind:			
Sizes:			
Depths Set:			

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WV
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Strader Gower
11/22/2024

WW-6B
(10/14)

4705102516
API NO. 47-051
OPERATOR WELL NO. Ruth Keller MSH 205H
Well Pad Name: Ruth Keller MSH

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 6.78

22) Area to be disturbed for well pad only, less access road (acres): 4.30

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment ***

25) Proposed borehole conditioning procedures:

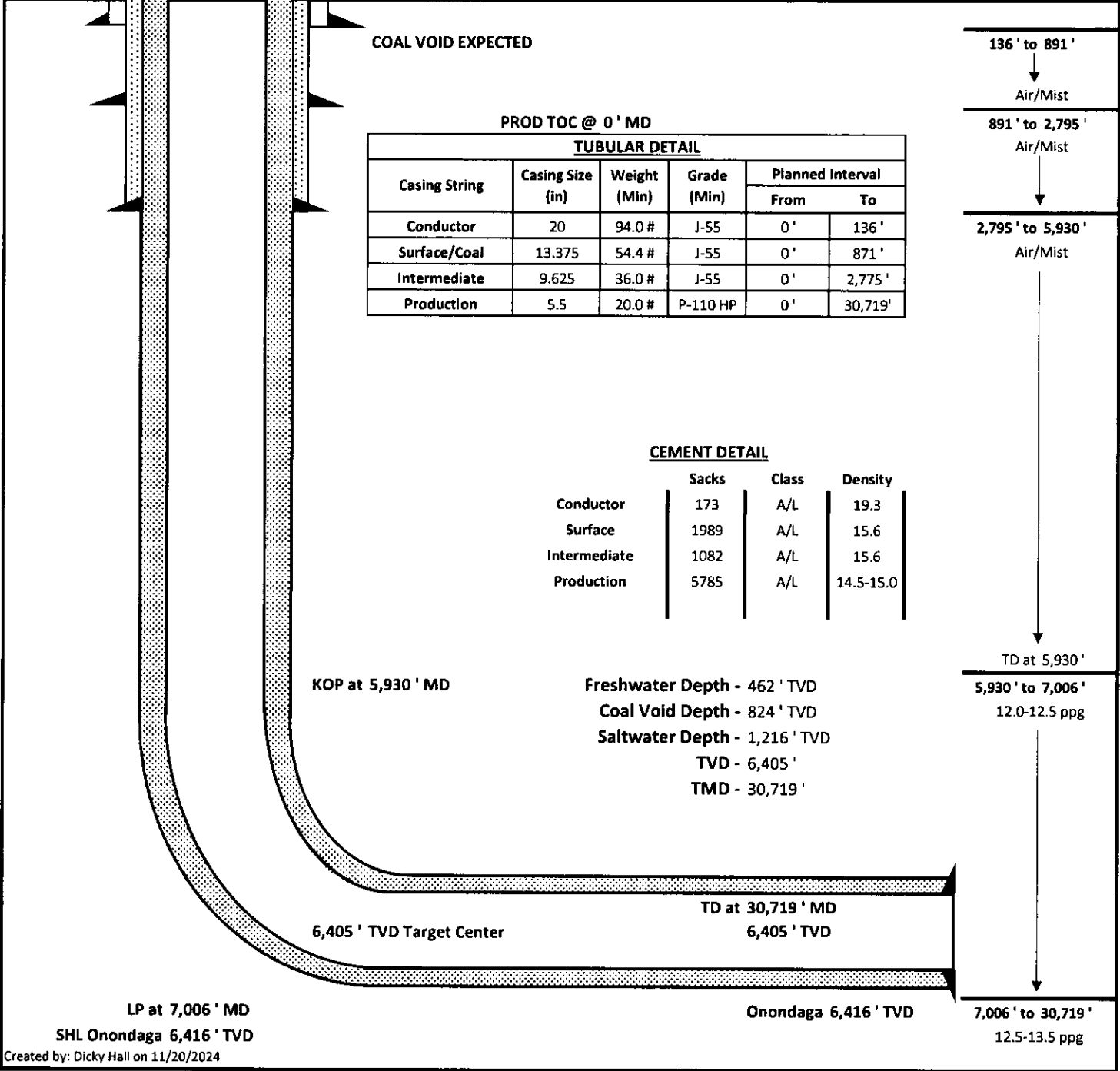
All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

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*Note: Attach additional sheets as needed.

4705102516

Southwestern Energy Company		Proposed Drilling Program	
Well:	RUTH KELLER MSH 205H	Re-entry Rig:	SDC 41
Field:	NORTH VICTORY FIELD WET	Prospect:	Marcellus Shale
County:	MARSHALL	State:	WV
SHL (NAD83):	39.985581 Latitude	-80.695842 Longitude	
BHL (NAD83):	40.047349 Latitude	-80.722942 Longitude	
KB Elev:	1,353 ft MSL	KB:	26 ft AGL
		GL Elev:	1,327 ft MSL



Created by: Dicky Hall on 11/20/2024

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Strader Gower
11/22/2024

01/17/2025

December 16, 2024

Mr. Charles Brewer
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Proposed New Well: Ruth Keller MSH 205H

Dear Mr. Brewer:

SWN has reviewed the area of the above mentioned well and discovered no shallow wells within 500' of the lateral. This well is situated on the Keller's property, in Union District, Marshall County, West Virginia.

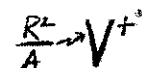
If you have any questions or desire additional information, please me at 304-884-1613.

Thank you.

Sincerely,



Brittany Woody
Staff Regulatory Specialist
Southwestern Energy Production Company, LLC



4705102516

SWN
Production Company™

SWN Production Company, LLC
1300 Fort Pierpont Dr, Ste 201
Morgantown, WV 26508
Tel: 304 884 1610
Fax: 304 471 2497
www.swn.com

December 16, 2024

Mr. Charles Brewer
WV DEP Office of Oil & Gas
601 57th St., SE
Charleston, WV 25304

RE: SWN's proposed New Well: Ruth Keller MSH 205H in Marshall County, West Virginia, Drilling under Meadow Drive, Glen Dale Heights Road, Benwood Hill Road, Pleasant Drive, Boggs Run Road, Marshall County Road, Foxfire Drive, Virginia Park Road, Allendale Road, N. Kettler Ave, Ark Ave, Stein Ave, Schuberts Lane, Ruth Ave, Louis Ave, Fraizer Run Road, Incline Ave, and 36h Street.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Meadow Drive, Glen Dale Heights Road, Benwood Hill Road, Pleasant Drive, Boggs Run Road, Marshall County Road, Foxfire Drive, Virginia Park Road, Allendale Road, N. Kettler Ave, Ark Ave, Stein Ave, Schuberts Lane, Ruth Ave, Louis Ave, Fraizer Run Road, Incline Ave, and 36h Street. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Respectfully,

SWN Production Company, LLC



Gavin Nadeau, RPL
Staff Landman

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$\frac{R^2}{A} \rightarrow V^+$

The Right People doing the Right Things,
wisely investing the cash flow from our
underlying Assets, will create Value+®

01/17/2025

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

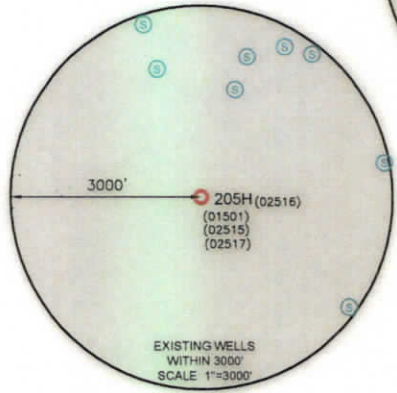
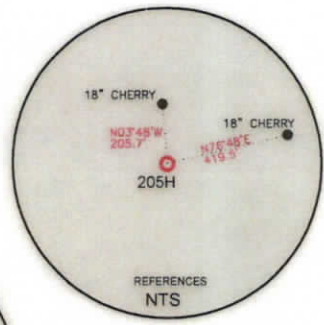
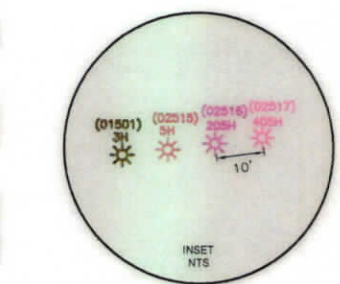


Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates.

WELL RESTRICTIONS

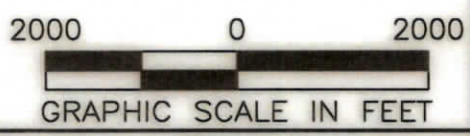
- List of 6 well restrictions including distance requirements from dwellings, buildings, water wells, streams, and public water supply.

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 agent information: WELL OPERATOR: SWN PRODUCTION COMPANY, LLC; DESIGNATED AGENT: BRITTANY WOODY. Includes addresses and zip codes for Morgantown, WV.

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.

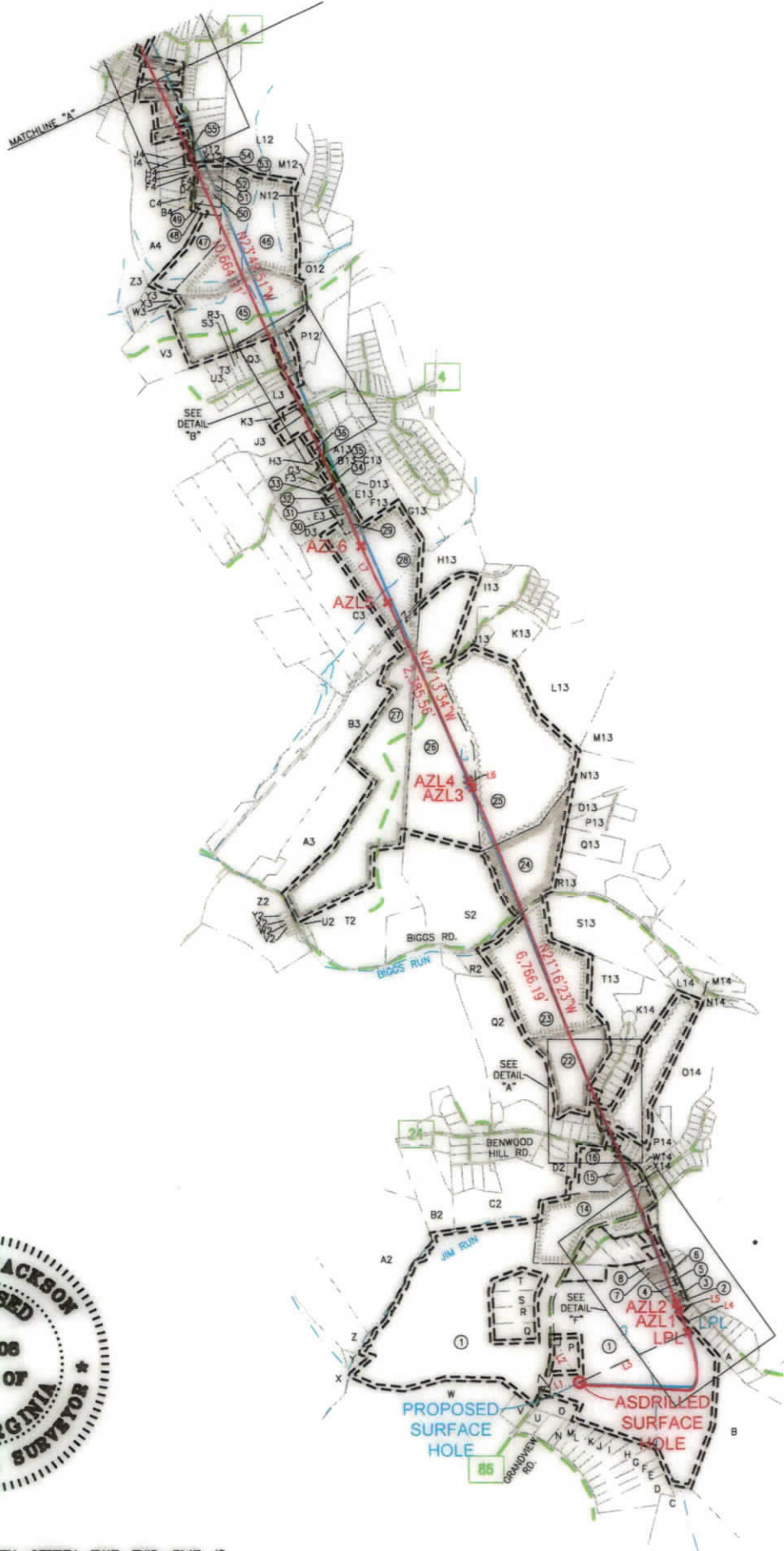
JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851



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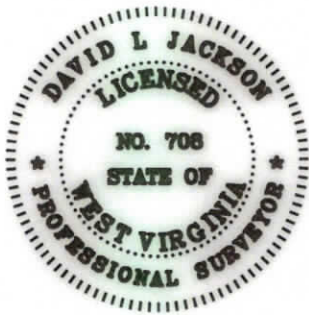
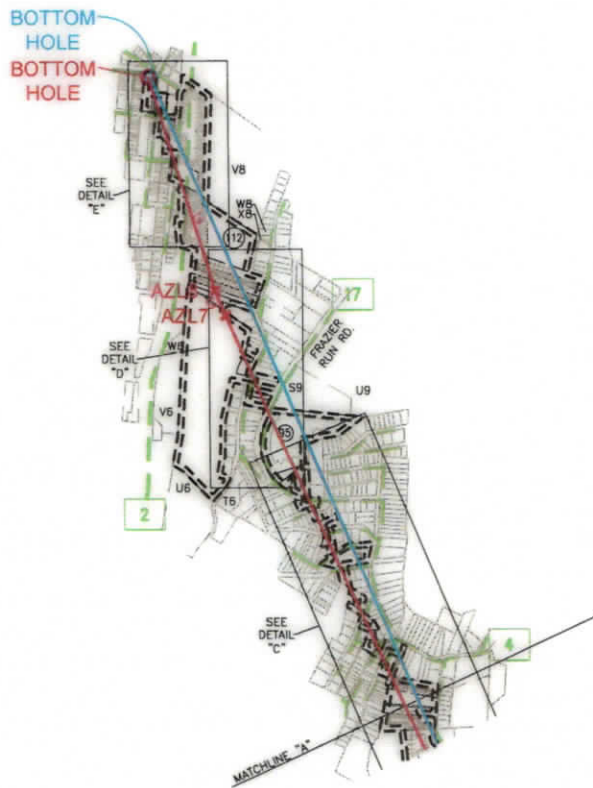
P.S. 708

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.

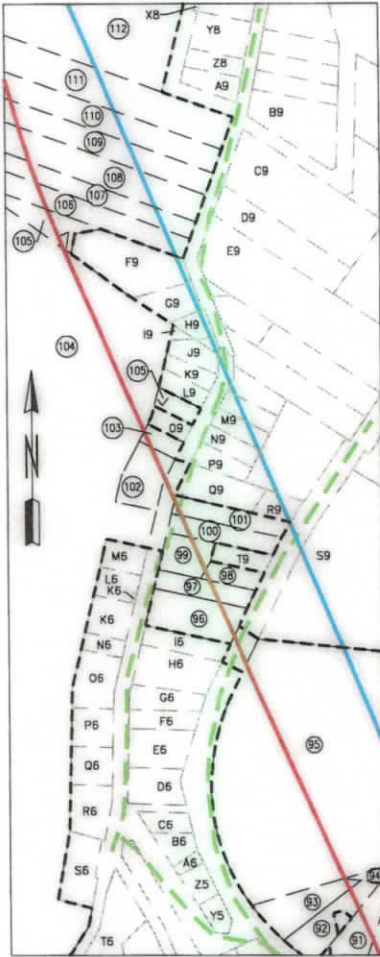
P.S. 708 *David L Jackson*

01/17/2025

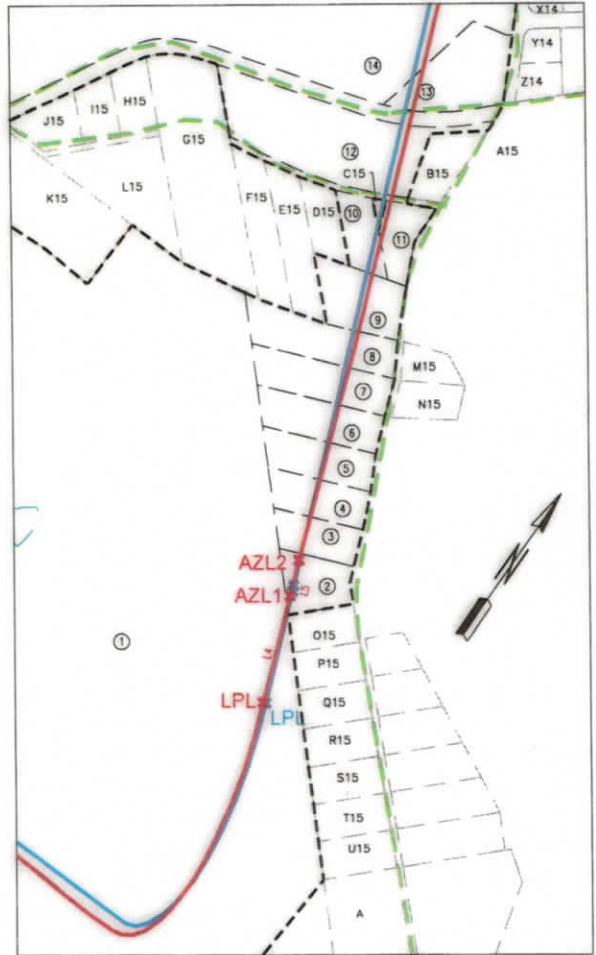
REVISIONS:	COMPANY:	 		
	OPERATOR'S	RUTH KELLER MSH	API #:	DATE: 12-09-2024
	WELL #:	205H	47-051-02516	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	UNION	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 3

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

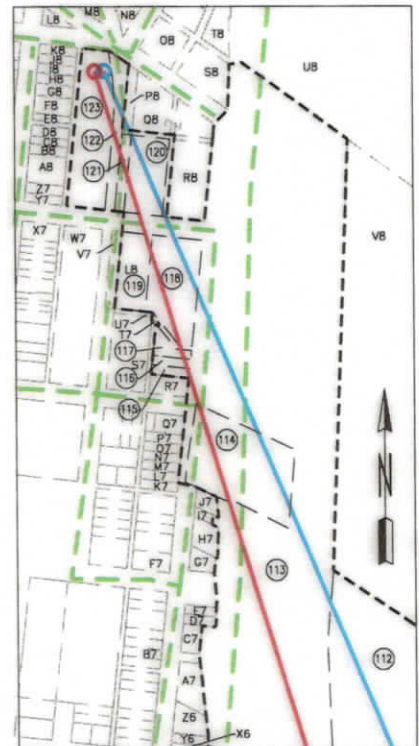
DETAIL "D"



DETAIL "F"



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	TAVERNA 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 L & 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 & IIA (S)	10-W78-501
122	MCCOLLOCH PROPERTY ILL (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
A	ALLEN RICHARD C ET UX	13-7-52
B	VARGO CINDY L ET AL	13-10-3
C	MARSHALL LAND LLC	13-10-2
D	MOOSMAN MATTHEW G	13-10A-14
E	WARD DEREK J	13-10A-13
F	HUNTER WILLIAM D & MARLENE - TOD	13-10A-12
G	HILL PATRICIA J	13-10A-11
H	HILL PATRICIA J	13-10A-10
I	HILL PATRICIA J	13-10A-9
J	KANE VERONICA A	13-10A-8
K	HULL GAYLERD E	13-10A-7
L	BRANNAN BRICIE GREER	13-10A-6
M	MCCLURE DEVAN & LINDSEY CAIN	13-10A-5
N	FECAW WALTER J JR ET UX	13-10A-4
O	BRAUTIGAN RANDY & KAYLA	13-6-50.7
P	KELLER WILLIAM J - TOD	13-6-50.2
Q	COOK SUZANNE	13-6-50.4
R	COOK STEVEN M & SHANNON R	13-6-50.3
S	COOK DAVID J & ALICE - TOD	13-6-50.8
T	BURKE ANDREA M & JAMES D	13-6-50.6
U	HENDRICKSON WILMA C	13-10A-2
V	DEFIBAUGH RONALD L	13-11-27.8
W	DEFIBAUGH RONALD L & SANDRA	13-11-27.1
X	LIPINSKI ERIC R & LORIE A	13-6-51
Y	HAUGHT GEORGE ET UX	13-6-50.1
Z	HAUGHT GEORGE ET UX	13-6-51.1
A2	LONGWELL FRANK J & LORI A	13-6-49
B2	O'NEAL CYNTHIA	13-6-45
C2	HULL GAYLERD F & SHARON	13-6-23.11
D2	HULL GAYLERD F & SHARON L	13-6-23.8
E2	DABRAWSKY HOWARD E ET UX	13-6-31.1
F2	CLEGG BETH ANN	13-6-28.2
G2	CLEGG BETH ANN	13-6-28.1
H2	FOX DOUGLAS H ET UX	13-6-30
I2	FOX DOUGLAS H ET UX	13-6A-10
J2	MONTES MARLENE - TOD	13-6A-9
K2	MONTES MARLENE - TOD	13-6A-8.1
L2	STEVEY GEORGE J JR	13-6A-8
M2	CLEGG BETH ANN	13-6-28.5
N2	CLEGG BETH ANN	13-6-28.4
O2	CLEGG BETH ANN	13-6-32
P2	HULL GAYLERD F & SHARON L	13-6-23.13
Q2	HULL GAYLERD F & SHARON L	13-6-23.20
R2	CALMBACHER RUSSELL JAMES	13-6-27
S2	KUBANCIK RITA C - LIFE	13-5-23
T2	KUBANCIK STANLEY M ET UX	13-5-25
U2	OHIO COUNTY COAL RESOURCES INC	13-5-27
V2	OHIO COUNTY COAL RESOURCE INC	13-5B-12
W2	OHIO COUNTY COAL RESOURCE INC	13-5B-11
X2	OHIO COUNTY COAL RESOURCE INC	13-5B-10
Y2	OHIO COUNTY COAL RESOURCE INC	13-5B-9
Z2	OHIO COUNTY COAL RESOURCE INC	13-5-35
A3	OHIO COUNTY COAL RESOURCE INC	13-5-29
B3	OHIO COUNTY COAL RESOURCES INC	13-5-30
C3	OHIO COUNTY COAL RESOURCES INC	13-5-12.2
D3	OHIO COUNTY COAL RESOURCES INC	13-5-12.1
E3	OHIO COUNTY COAL RESOURCES INC	13-5-13.2
F3	OHIO COUNTY COAL RESOURCES INC	13-1-56.1
G3	OHIO COUNTY COAL RESOURCES INC	13-1-56.5
H3	OHIO COUNTY COAL RESOURCES INC	13-1-57
I3	OHIO COUNTY COAL RESOURCES INC	13-1-71.2
J3	OHIO COUNTY COAL RESOURCES INC	13-1-49
K3	OHIO COUNTY COAL RESOURCES INC	13-1-61.1
L3	OHIO COUNTY COAL RESOURCES INC	13-1-62
M3	OHIO COUNTY COAL RESOURCES INC	13-1-63
N3	OHIO COUNTY COAL RESOURCES INC	13-1-64
O3	OHIO COUNTY COAL RESOURCES INC	13-1-65
P3	SHUTLER ROBERT J & ANTOINETTE	13-1-36.2
Q3	CHURCH MERCADIE & JACQUELINE	13-1-36.4
R3	OHIO COUNTY COAL RESOURCES INC	13-1-67
S3	OHIO COUNTY COAL RESOURCES INC	13-1-67.1
T3	OHIO COUNTY COAL RESOURCES INC	13-1-66
U3	OHIO COUNTY COAL RESOURCES INC	13-1-66.1
V3	OHIO COUNTY COAL RESOURCES INC	13-1-39
W3	OHIO COUNTY COAL RESOURCES INC	13-1-37.1
X3	OHIO COUNTY COAL RESOURCES INC	13-1-37.2
Y3	OHIO COUNTY COAL RESOURCES INC	13-1-38
Z3	OHIO COUNTY COAL RESOURCES INC	13-1-2
A4	OHIO COUNTY COAL RESOURCES INC	13-1-3
B4	FISHER KENNETH E ET AL	13-1K-21
C4	MELKO DAVID R ET UX	13-1K-23
D4	SCHUBERT BARBARA A	13-1K-25
E4	SCHUBERT BARBARA A	13-1K-26
F4	GEARY DANIEL & ANDERSON CHRISTINA DAWN	13-1K-27
G4	GEARY DANIEL & ANDERSON CHRISTINA DAWN	13-1K-28
H4	GEARY DANIEL & ANDERSON CHRISTINA DAWN	13-1K-29
I4	GEARY DANIEL & ANDERSON CHRISTINA DAWN	13-1K-30
J4	MOORE MICHAEL E	13-1K-31

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
K4	CAMPBELL ADAM B ET UX	13-1K-33
L4	DOVE DAVID A	13-1K-10
M4	LITTLE WILLIAM R	13-1A-151
N4	MURRAY JEFFREY ALLEN & CARLA J	13-1A-152
O4	GALL EDNA S & FRANK LAUTAR	13-1A-153
P4	INDIAN POINT PROPERTIES LLC	13-1A-154
Q4	INDIAN POINT PROPERTIES LLC	13-1A-155
R4	INDIAN POINT PROPERTIES LLC	13-1A-156.1
S4	HARRIS THOMAS DOUGLAS ET UX	13-1A-156
T4	HARRIS THOMAS DOUGLAS ET UX	13-1A-157
U4	HARRIS THOMAS DOUGLAS ET UX	13-1A-158
V4	HENRY JOHN E ET UX	13-1A-159
W4	HENRY JOHN E	13-1A-159.1
X4	MARSHALL CO SEWAGE DIST	13-1A-212
Y4	WHARTON DAVID E & HEIDI L & LUFF JEREMY D & RENEE L	13-1A-167
Z4	ZINN DAYNE RYAN	13-1A-166
A5	WILLIAMS DRAKE	13-1A-165
B5	KETTLER HARRY L JR ET AL	13-1A-186
C5	DIXON SHAWN	13-1A-188
D5	MONTGOMERY JUSTIN C & JENNIFER N	13-1A-205
E5	MALLERY DOUGLAS E & KELLY L	13-1A-201
F5	TEMPLIN TIMOTHY B & CLAUDIA A - TOD	13-1A-202
G5	JASKO JENNIFER L	10-W93-20.2
H5	KETTLER HARRY JR	13-1A-197
I5	CAMPBELL WILLIAM III	10-W89-198
J5	CAMPBELL WILLIAM III	10-W89-197
K5	RAMSEY GEO & NANCY	10-W89-44
L5	BEAVER SHAWN M & JILL E	10-W89-45
M5	SCHULTZ JEFFREY A & CRYSTAL D	10-W89-71.1
N5	TAYLOR ZACHARY & GRETCHEN	10-W89-74
O5	WELTON MARY J	10-W89-72
P5	FLORIANCZYK CHARLES F	10-W89-83
Q5	FLORIANCZYK CHAS F & L S	10-W89-85.1
R5	RENZELLA BARBARA 1/2 INT-TOD & CHARLES F FLORIANCZYK 1/2 INT	10-W89-85
S5	RENZELLA BARBARA	10-W89-86
T5	BREESE WALTER	10-W89-87
U5	SPENCER CHARLES A SPENCER LEANN	10-W89-91
V5	WRIGHT DENNIS L ESTATE	10-W89-95.1
W5	STOEHR LISA	10-W89-116.5
X5	SIDON CARRIE	10-W89-96
Y5	HUPP LINDA C	10-W89-115.2
Z5	BOWERS ERIN L	10-W89-115
A6	M N & K MEYER PROPERTIES LLC	10-W89-114
B6	M N & K MEYER PROPERTIES LLC	10-W89-114.1
C6	M N & K MEYER PROPERTIES LLC	10-W89-114.2
D6	ROSE JACK	10-W89-113
E6	PALMER CARL J & D K	10-W89-112
F6	HARMON DAVID L & L J	10-W89-111
G6	MCKEE BRIAN RICHARD	10-W89-110
H6	JAI PROPERTIES HOLDING CO	10-W89-109
I6	KUTHY STEPHANIE N	10-W89-108
J6	ALTMAN PAUL & JOY	10-W85-25
K6	ALTMAN PAUL AND JOY	10-W85-24.1
L6	ALTMAN PAUL & JOY	10-W85-24
M6	BEAVER RALPH AND DEBORAH	10-W85-23
N6	ALTMAN PAUL THOMAS & ALTMAN JOY LOU	10-W89-107
O6	PRETTYMAN ALVIN A - LE PRETTYMAN A ; R ; HISSAM D	10-W89-106
P6	ALTMAN PAUL THOMAS & JOY LOU	10-W89-105
Q6	WILSON NANCY M ET AL	10-W89-104
R6	COFFMAN TERRY L & OLGA V	10-W89-103
S6	WELTON MARY J	10-W89-102
T6	HICKS ANDREW J	10-W89-61
U6	MOZART PARK ASSOCIATION	10-W88-360
V6	WHEELING POWER CO WHEELING ELECTRIC CO	10-W84-345
W6	STATE ROAD COMMISSION OF WV	10-W84-344
X6	DRUSCHEL LOIS I S/S 2002	10-W84-329
Y6	VOSSEN REALTY LLC C/O VOSSEN BRIAN	10-W84-330
Z6	B & J PROPERTIES LLC	10-W84-331
A7	MIDKIFF CHRISTOPHER & KATHLEEN	10-W84-332.1
B7	COX JADE N ET AL	10-W78-444
C7	NICOLETTA VILLA LLC	10-W78-446.1
D7	NICOLETTA VILLA LLC	10-W78-447
E7	MYERS THOS E & M M	10-W78-448
F7	TERRY JOHN G & R S	10-W78-438
G7	B&J PROPERTIES LLC	10-W78-452
H7	LILHORN MARY	10-W78-453.1
I7	LILHORN MARY	10-W78-454.1
J7	LILHORN MARY	10-W78-455
K7	WILL ALBERT G ESTATE	10-W78-432
L7	KELLER MARGIE A & ROBERT	10-W78-431
M7	WADE FRANNY P	10-W78-430
N7	ENNIS ISABEL G	10-W78-429
O7	HUGHES HEATHER M	10-W78-428
P7	SINE BRENDA L & MICHAEL L BERNAS	10-W78-427
Q7	B & J PROPERTIES LLC	10-W78-426
R7	SMIGEL TAMMY J	10-W78-424
S7	DAVIS RICHARD & LESLIE	10-W78-405
T7	DAVIS RICHARD & LESLIE	10-W78-405.3
U7	DAVIS RICHARD & LESLIE	10-W78-405.2
V7	UNION FISH MARKET	10-W78-500

01/17/2025

REVISIONS:	COMPANY:		
	OPERATOR'S	RUTH KELLER MSH	API #:
	WELL #:	205H	47-051-02516
	DISTRICT:	UNION	STATE:
		COUNTY:	WV
		MARSHALL	DATE: 12-09-2024
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 7

JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112


Clarksburg, WV 26302

304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
W7	MCCOLLOCH PROPERTY LLC	10-W78-377
X7	NIXON RONALD LEE JR; NIXON CAROLE SUE - RT OCC	10-W78-335
Y7	MCCOLLOCH PROPERTY LLC	10-W78-334
Z7	KERNS JAMES R & RUTH I	10-W78-333
A8	CHILDERS THERESA L & JAMES E	10-W78-330
B8	IMOGENE WALLACE TRUST	10-W78-329
C8	ROBERT & BETH METZ	10-W78-328
D8	METZ ROBERT & BETH	10-W78-327
E8	GROVER JAMES W & ANTOINETTE	10-W78-326
F8	GROVER JAMES W & ANTOINETTE	10-W78-325
G8	GROVER JAMES W & ANTOINETTE	10-W78-324
H8	PELLEY SUSAN R	10-W78-323
I8	CLEMONS BRITTANY	10-W78-322
J8	STASKEY VALERY	10-W78-321
K8	FOOSE RICHARD L & L L	10-W78-320
L8	JJD LLC	10-W78-319
M8	BALTIMORE & OHIO RAILROAD CO ATTN: R SIMONDS-PROP TAX	10-W78-318
N8	M-TWO LIMITED	10-W78-382
O8	M-TWO LIMITED	10-W78-416
P8	KENNEDY HARDWARE CO INC	10-W78-499
Q8	KENNEDY HARDWARE CO INC	10-W78-408
R8	KENNEDY HARDWARE CO INC	10-W78-418
S8	GRETCHEN REALTY LLC	10-W78-416.1
T8	GRETCHEN REALTY LLC	10-W78-416.2
U8	GRUBB EDWARD GARY & SUSAN	10-W79-19
V8	STATE ROAD COMMISSION OF WV	10-W79-18
W8	ENCISO KEVIN R	10-W85A-32
X8	MCGOVERN MARLENE	10-W85-4.1
Y8	PANOVICH ERNEST J & MARILYN R TOD	10-W85-4
Z8	SURFACE CHRISTOPHER & KRISTIANN SURFACE	10-W85-5
A9	LAWSON ROBERT DANIEL	10-W85-6
B9	GEIMER RICHARD L & N E	10-W85-46
C9	BRAGG DYLAN M	10-W85-45
D9	BRAGG DYLAN M	10-W85-44
E9	CALVERT PAULA JEAN	10-W85-43
F9	ANDREINI CAITLYN & HUGO J III	10-W85-12.1
G9	FOSTER JERRETT W	10-W85-12
H9	KUTHY SCOTT M & TAMMIE E	10-W85-13
I9	KUTHY SCOTT M & TAMMIE E	10-W85-14.1
J9	MENDENHALL CHERYL ET AL	10-W85-14
K9	MENDENHALL CHERYL ET AL	10-W85-15
L9	WILLIAMS REBECCA A: DIPASQUALE RONALD C	10-W85-16
M9	MIKLAS SAMUEL	10-W85-38
N9	SHOWALTER SHELLY L & SHALYA B	10-W85-36
O9	MCKENZIE RAYMOND ALLEN & DYLAN M MCKENZIE	10-W85-18
P9	REGAN KYLE J & EMILY	10-W85-35
Q9	PARCELL FLORA I & MYERS WILLIS C JR	10-W85-20.1
R9	WEST JOHN D SR ESTATE	10-W85-34
S9	DOBBS DANIEL L, DOBBS JULIE A	10-W85-58.1
T9	OCH GERALD T & C L	10-W85-29
U9	DOBBS DANIEL & JULIE	10-W85-58
V9	LOWE LANCE S & J A	10-W89-128
W9	HICKS LINDA S	10-W89-127
X9	LIVINGSTON ROSEANA	10-W89-126
Y9	CHARLEY JERRY A JR & J A	10-W89-126.1
Z9	CHARLEY JERRY A JR & J A	10-W89-125
A10	LUFF GARY A & TINA M	10-W89-124
B10	SHEPHERD WAYNE T & SHELLIE A	10-W89-123
C10	COOY BRYAN SCOTT & DEOBRAH L	10-W89-122
D10	SMITH SANDRA E	10-W89-121
E10	MOTTA SAMANTHA & DEAN WESLEY	10-W89-120
F10	ULRICH WILLIAM C & HALEY J M	10-W89-119
G10	ULRICH WILLIAM C & HALEY J M	10-W89-117.2
H10	MIRANDY STEPHEN M & WENDY L	10-W89-116.6
I10	BRITT SUSAN	10-W89-118
J10	MCKENZIE JOHN W & CASSANDRA D	10-W89-117
K10	MCCARDLE RICHARD L & J L	10-W89-186
L10	PETERS PAULA J	10-W89-186.2
M10	PETERS PAULA J	10-W89-186.3
N10	ROSE DANAE MARIE & JOSHUA LEE BOOTH	10-W89-187
O10	MCDANIEL CHARLES M & LOLITA G	10-W89-188
P10	DICKEY TYLER D	10-W89-194.1
Q10	KISH JAMES H & D A	10-W89-77
R10	RITCHEA BETTY ANN	10-W89-77.1
S10	NISPERLY ALEX S	10-W89-78
T10	CALLIHAN DEBORAH L	10-W89-79
U10	NIEBERGALL MARGUERITE - TOD	10-W89-80
V10	KORDACK GARY ALLEN KORDACK DONNA MARIE KAVESKI	10-W89-219
W10	HENCH JAMES E	10-W89-220
X10	HENCH JAMES E	10-W89-222
Y10	HAMM CHRISTOPHER T	10-W89-200
Z10	BOLSHAKOV GEORGE & S L	10-W89-200.1
A11	TRAVIS ROBERT R & DOROTHY T-LE LYRIO-TAKIS J A; TRAVIS R R JR	10-W89-201
B11	TRAVIS ROBERT R & DOROTHY T-LE LYRIO-TAKIS J A; TRAVIS R R JR	10-W89-201.1
C11	MULL JOCAB & MADALYN	10-W93-19.1
D11	JORDAN RHONDA J AND JAMES M AND NIEHAUS JERRAD W	10-W93-21
E11	TERRELL DANIEL GLENN & STACY L	10-W93-22
F11	NIEHAUS JERRAD	10-W93-23
G11	BLAKE PATRICK I & MARY E	13-1A-210
H11	BANCO LUCILLE L, JOHN W & AMY (S)	13-1A-209

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
I11	DAVIS DONALD E	13-1A-207
J11	NOLAN EDWARD S	13-1A-211
K11	NOLAN EDWARD S	13-1A-162
L11	MCDERMOTT JOHN A & CAROLYN S	13-1A-161
M11	O'KELLEY SANDRA L	13-1B-4
N11	RAGER TRISTA	13-1B-37.1
O11	MCDERMOTT JOHN A ET UX	13-1B-37
P11	MCDANIEL WILLIAM M & BOBBIE JO	13-1B-36
Q11	MCDANIEL WILLIAM M & BOBBIE JO	13-1B-35
R11	MILLER ELLSWORTH J & LINDA E	13-1B-34
S11	SEIDLER PATRICIA L -LUCY NATHAN & ELIZABETH	13-1B-32
T11	KOLAKOWSKI DELORES R - TOD	13-1B-17
U11	MOORE ROBERT W & JALLETTA E	13-1B-18
V11	MOORE ROBERT W & JALLETTA E	13-1B-19
W11	GILSON STEPHANIE S & THOMAS- TOD	13-1B-20
X11	BARTSCH JONI L	13-1B-21
Y11	STERLING JEDE FAMILY TRUST	13-1B-22
Z11	YARNEVIC RUDOLPH T JR ET UX	13-1B-23
A12	PRICE MICHAEL L	13-1B-24
B12	THOMPSON BRIAN K	13-1B-26.1
C12	PRICE MICHAEL L	13-1B-25
D12	SCHUBERT DEANNA L	13-1K-2
E12	ROWAN DEANNA S & JOHN P	13-1K-4
F12	SAMPSON SHAWN T & MELYNDA D	13-1K-6
G12	ROWAN DEANNA S & JOHN P	13-1K-5
H12	CALISSIE RONALD M ET AL	13-1K-11
I12	SEIDLER LUCAS D	13-1K-12
J12	BERNAS GARY M	13-1K-13
K12	OHIO COUNTY COAL RESOURCES INC	13-1-14
L12	OHIO COUNTY COAL RESOURCES INC	13-1-8.1
M12	OHIO COUNTY COAL RESOURCES INC	13-1-14
N12	REDD DAVID J. ET UX	13-1H-24.1
O12	OHIO COUNTY COAL RESOURCES INC	13-1-14.1
P12	OHIO COUNTY COAL RESOURCES INC	13-1-36.1
Q12	OHIO COUNTY COAL RESOURCES INC	13-1-36.3
R12	OHIO COUNTY COAL RESOURCES INC	13-1-70
S12	OHIO COUNTY COAL RESOURCES INC	13-1-71
T12	OHIO COUNTY COAL RESOURCES INC	13-1DD-1
U12	OHIO COUNTY COAL RESOURCE INC	13-1DD-7.1
V12	OHIO COUNTY COAL RESOURCE INC	13-1DD-2
W12	OHIO COUNTY COAL RESOURCE INC	13-1DD-3
X12	OHIO COUNTY COAL RESOURCES INC	13-1DD-4
Y12	OHIO COUNTY COAL RESOURCE INC	13-1DD-5
Z12	OHIO COUNTY COAL RESOURCE INC	13-1DD-6
A13	OHIO COUNTY COAL RESOURCES INC	13-1-74
B13	OHIO COUNTY COAL RESOURCES INC	13-1-75
C13	SMITH PHILIP J & TAMMY L	13-1-76
D13	SMITH PHILIP J & TAMMY L	13-1-76.1
E13	SMITH PHILIP J & TAMMY L	13-1-77
F13	GOLDBAUGH ANDREW & NATAUE	13-5-13
G13	STRAUTMANN HARRY A JR & WANDA K	13-1-78.4
H13	OHIO COUNTY COAL RESOURCES INC	13-5-14.1
I13	SHUTLER ROBERT J III & ANTIONETTE	13-5-15.1
J13	STERN ROBERT J III & ROBBIE R	13-5-15.3
K13	SHUTLER ROBERT J & ANTOINETTE	13-5-15
L13	PARSONS DONNA KAY	13-5-20
M13	STIDD FAMILY TRUST	13-4-59.3
N13	STIDD FAMILY TRUST	13-4-59.5
O13	BERNER MICHAEL A & CASSANDRA R	13-4-59.13
P13	KEEDY KATHLEEN L	13-4-59.9
Q13	KEEDY KATHLEEN L	13-4-59.14
R13	WARBLE STEVEN M	13-4-58
S13	WARBLE TRANSMISSION LLC	13-4-57
T13	HARVEY SHERI SPERLING	13-6-29.6
U13	MCCLELLAND DAVID W & KIM E	13-6A-20
V13	MCCLELLAND DAVID W & KIM E	13-6A-1
W13	MCKITRICK RICHARD A	13-6A-2
X13	DOYLE THOMAS G & PAULA R	13-6A-3
Y13	BOWERS RITA A	13-6A-4
Z13	VISNIC GARY G & TAMMY E	13-6A-5.1
A14	STALEY MICHAEL	13-6A-5
B14	STALEY MICHAEL	13-6A-6
C14	SIMON MARK CRAIG & LORI A- TOD	13-6A-17
D14	SIMON MARK CRAIG & LORI A- TOD	13-6A-18
E14	SIMON MARK CRAIG & LORI A- TOD	13-6A-16
F14	VISNIC GARY GABRIEL ET AL	13-6A-15
G14	HALL SHARON A	13-6A-14
H14	REED DAVID G	13-6A-13
I14	NEWLON CHARLES E	13-6A-12
J14	NEWLON CHARLES E	13-6A-11
K14	STICKNEY BETH A & ERIC	13-6-29.9
L14	WARBLE STEVEN M SR	13-4-54
M14	WARBLE STEVEN M SR	13-4-54.1
N14	SIMONS TONI L & WILLIAM S	13-4-52
O14	FETTY JUDITH A - TOD	13-7-1.7
P14	TOLER MARGARET - LIFE	13-7-1.2
Q14	TOLER MARGARET - LIFE	13-6-29.5
R14	HULL GEORGE J & SANDRA	13-6-29.1
S14	HULL GEORGE J & SANDRA	13-6-29.2
T14	LONG CARL WAYNE ET UX	13-6-29.3

01/17/2025

REVISIONS:	COMPANY:		
	OPERATOR'S	RUTH KELLER MSH	API #:
	WELL #:	205H	47-051-02516
	DISTRICT:	UNION	STATE:
		COUNTY:	WV
			DATE: 12-09-2024
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 8

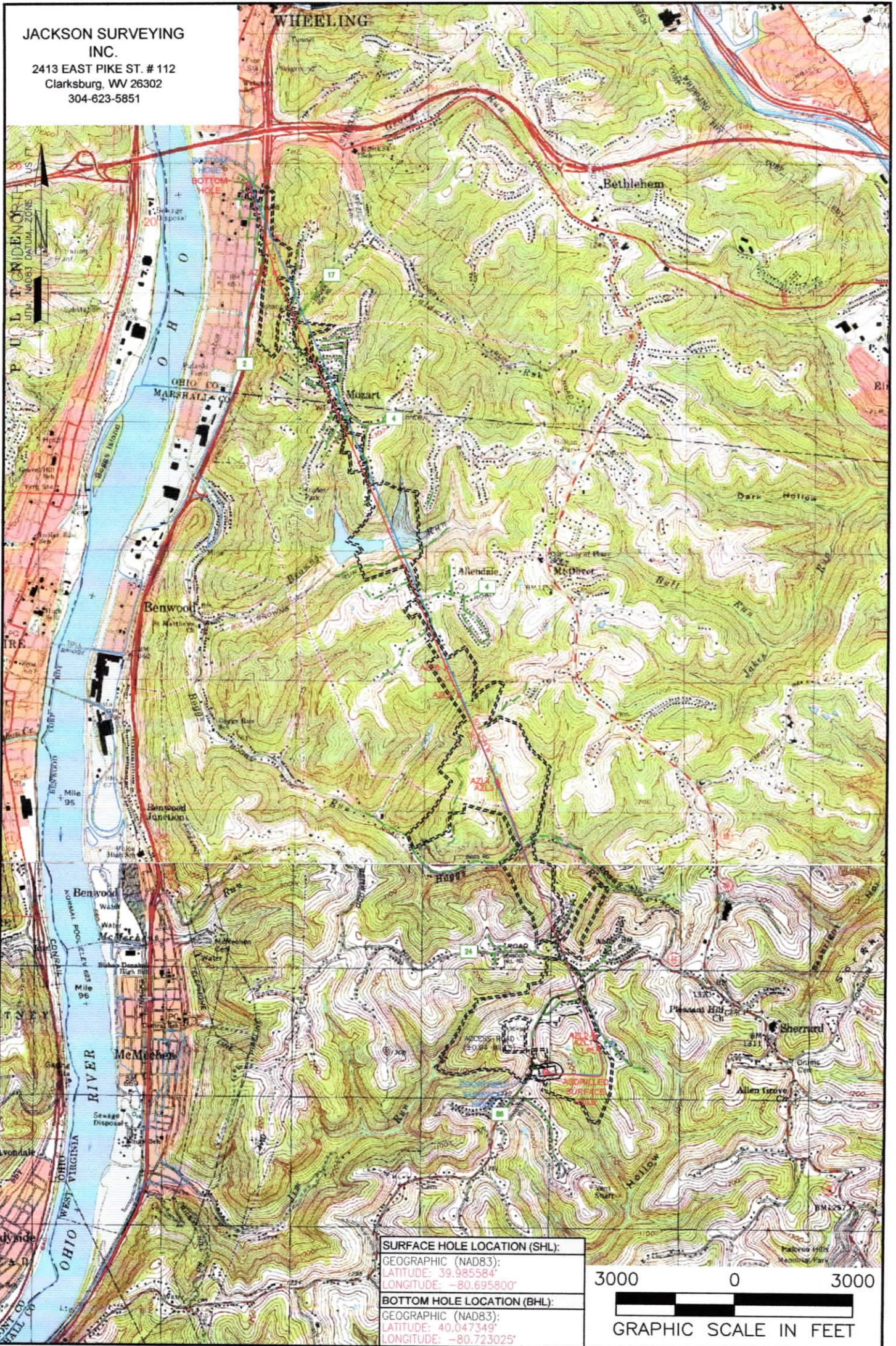
JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

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

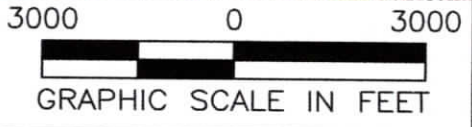
REVISIONS:	COMPANY:			
	OPERATOR'S			DATE: 12-09-2024
	WELL #:	RUTH KELLER MSH 205H		API #: 47-051-02516
	DISTRICT: UNION	COUNTY: MARSHALL		STATE: WV
			DRAWN BY: N. MANO	
			SCALE: N/A	
			DRAWING NO:	
			WELL LOCATION PLAT 9	

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.
4. 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)

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

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Exhibit "A"				

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*Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

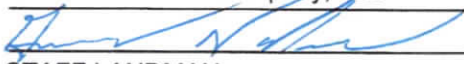
*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: SWN Production Company, LLC
 By: 
 Its: STAFF LANDMAN

4705102516

EXHIBIT "A"
Ruth Keller MSII 205H
Marshall County, West Virginia

Attached in and made a part of the State of West Virginia Oil and Gas Permit Form, W-90A1, by SWN Production Company, LLC Operator

#	TMP	LESSOR	LESSEE	ROYALTY	MC/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
1)	13-0006-0010-0000	Ruth Ann Keller, married, dealing in her sole and separate interest David J. Cook, married	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00% 14.00%	683/433 33/110 684/547 33/110	0.00%
2)	13-007C-0004-0000	John W. Millhouse and Evelyn M. Millhouse, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	720/241 33/110	0.00%
3)	13-007C-0005-0000	Robert L. Nemcosky and Sherrill L. Nemcosky, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	720/249 33/110	0.00%
4)	13-007C-0006-0000	Marvin E. DeRo and Deborah DeRo, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	720/245 33/110	0.00%
5)	13-007C-0007-0000	Patricia R. Ruzella, wife of Nicholas S. Ruzella	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	718/174 33/110	0.00%
6)	13-007C-0008-0000	Walter L. Harbison and Marguerite Harbison, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	720/273 33/110	0.00%
7)	13-007C-0009-0000	Walter L. Harbison and Marguerite Harbison, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	720/273 33/110	0.00%
8)	13-007C-0010-0000	Shelley L. Tuskey, a married woman dealing in her sole and separate property Amy J. Gamble Sherry L. Gamble Charles Ray Meredith Cynthia M. Gamble, f/a a Cynthia M. Angelichio	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00% 18.00% 18.00% 18.00% 18.00% 18.00%	721/609 33/110 721/613 33/110 721/617 33/110 722/552 33/110 722/556 33/110	0.00%
9)	13-007C-0011-0000	J. Keith Bontenberger and Mary S. Bontenberger, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	718/378 33/110	0.00%
10)	13-007C-0011-0000	Archie Dale Mearns, a widower (Life Tenant), and Edward L. Conway and Karen Sue Conway, husband and wife (Remaindermen)	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	730/276 33/110	0.00%
11)	13-007C-0012-0000	Clifton R. Haight and Susan R. Haight, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	726/587 33/110	0.00%
12)	13-007C-0022-0000	Shelley L. Tuskey, a married woman dealing in her sole and separate property Amy J. Gamble Sherry L. Gamble Charles Ray Meredith Charles Gamble Cynthia M. Gamble, f/a a Cynthia M. Angelichio Douglas I. Gamble Donna Sue Kirch, f/a a Donna Sue Gamble Martha Ann Migherini, f/a a Martha Ann Gamble	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00% 18.00%	721/621 33/110 721/625 33/110 721/629 33/110 721/633 33/110 722/560 33/110 722/564 33/110 733/22 33/110 733/27 33/110 733/32 33/110	0.00%
13)	13-0007-0001-0004	Shariet A. Purpura, f/a a Shariet A. Ruzella, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	726/503 33/110	0.00%
14)	13-0007-0001-0001	Christian A. Caldwell	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	692/484 33/110	0.00%
15)	13-0006-0031-0002	George Jeffrey Hull and Sandra J. Hull, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	718/484 33/110	0.00%
16)	13-0006-0031-0000	James D. Hull and Georgia Mae Hull, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	718/618 33/110	0.00%
17)	13-0006-0029-0007	Keith R. Fultz and Sandre K. Fultz, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	718/247 33/110	0.00%
18)	13-0006-0024-0004	Kenneth I. Hillberry and Arvusa I. Hillberry, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	726/406 33/110	0.00%
19)	13-0006-0029-0000	Mark C. Simon	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	692/228 33/110	0.00%

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#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
31	13-001-0056-0004	Royalty Owner A. R. Walker, widower Christine Mainer, f/k/a Ann Christine Smith, married Brett Snyder, married Catherine Polesel, f/k/a Catherine Smith, married Christopher F. Singleton Joseph Edward Stewart, married Julie Ann Howard, single Kelly Adele Hatz, married Kurt E. Snyder, married Laura Elizabeth Stewart, single Laurel Snyder, f/k/a Laurel Dotterweich, single Margaret Ann Boys, f/k/a Margaret Fish, married Mary Joetta Scenna (a/k/a Jody Scenna) Mary Ruth Hall, f/k/a Mary Smith, married Michael Reeves Mabry Patrick J. Smith, Jr., married Pat Lacock, single Roman Catholic Diocese of Wheeling - Charleston, represented by Mark E. Brennan, Bishop Sidney Y. Merritt f/k/a Sidney Yvette Golderman Susan Reese, single Theresa Lynn Hambrick, married Theresa Marcopulos f/k/a Theresa Rose Huff, married Trustees of First Presbyterian Church, f/k/a First United Presbyterian Church, represented by Susan Hunter as Clerk of the Session	N/A	N/A	N/A	3.38%
32	13-001-0056-0003	Royalty Owner Adrienne Cathleen Jones Alicia Mainer Rose, f/k/a Alicia Rose Mainer Brett Snyder, a married man dealing in his sole and separate property Catherine Polesel f/k/a Catherine Louise Smith, a married woman Christopher F. Singleton Joseph Edward Stewart, a married man dealing in his sole and separate property Julie Ann Howard a/k/a Julie Ann Howard Kelly Adele Hatz, a married woman dealing in her sole and separate property Kurt Snyder, a married man dealing in his sole and separate property Laura Elizabeth Stewart, a single woman Laurel Snyder, a single woman Margaret Ann Boys a/k/a fka Margaret Fish Mary Jo Scenna, a/k/a Mary Jody Singleton Scenna, a/k/a Jody Singleton, a/k/a Mary Joetta Singleton, a married woman dealing in her sole and separate property Mary Ruth Hall Michael Reeves Mabry Patrick J. Smith, Jr., a married man dealing in his sole and separate property Pat Lacock, a single woman Most Reverend Mark E. Brennan, Bishop of the Roman Catholic Diocese of Wheeling-Charleston, his successors and assigns, for the benefit of Our Lady of Peace Parish Sidney Y. Merritt f/k/a Sidney Yvette Golderman Susan Reese, a single woman Theresa Hambrick a/k/a Theresa Lynn Hambrick Theresa Marcopulos f/k/a Theresa Rose Huff, a married woman dealing in her sole and separate property Trustees of First Presbyterian Church, a West Virginia Church, f/k/a First United Presbyterian Church	N/A	N/A	N/A	14.58%
33	13-001-0056-0006	Royalty Owner Adrienne Cathleen Jones Alicia Mainer Rose, f/k/a Alicia Rose Mainer Brett Snyder, a married man dealing in his sole and separate property Catherine Polesel f/k/a Catherine Louise Smith, a married woman Christopher F. Singleton Kelly Adele Hatz, a married woman dealing in her sole and separate property Kurt Snyder, a married man dealing in his sole and separate property Laura Elizabeth Stewart, a single woman Margaret Ann Boys a/k/a fka Margaret Fish Mary Jo Scenna, a/k/a Mary Jody Singleton Scenna, a/k/a Jody Singleton, a/k/a Mary Joetta Singleton, a married woman dealing in her sole and separate property Mary Ruth Hall Patrick J. Smith, Jr., a married man dealing in his sole and separate property Pat Lacock, a single woman Susan Reese, a single woman Theresa Marcopulos f/k/a Theresa Rose Huff, a married woman dealing in her sole and separate property Trustees of First Presbyterian Church, a West Virginia Church, f/k/a First United Presbyterian Church	N/A	N/A	N/A	21.37%

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#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
391	13-0001-0059-0000	Royalty Owner	N/A	N/A	N/A	14.38%
		Adraene Cathleen Jones	SWN Production Company, LLC	16.00%	1191.453	
		Alicia Mainer Rose, f/k/a Alicia Rose Mainer	SWN Production Company, LLC	16.00%	1191.464	
		Brett Seydler, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1188.148	
		Catherine Polonski f/k/a Catherine Louise Smith, a married woman	SWN Production Company, LLC	17.00%	1173.526	
		Christopher F. Singleton	SWN Production Company, LLC	18.00%	1177.24	
		Joseph Edward Stewart, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1172.729	
		Julie Howard a/k/a Julie Ann Howard	SWN Production Company, LLC	18.00%	1187.799	
		Kelly Adele Hatz, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1175.207	
		Kurt Seydler, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1187.478	
		Laura Elizabeth Stewart, a single woman	SWN Production Company, LLC	18.00%	1173.517	
		Laurel Seydler, a single woman	SWN Production Company, LLC	18.00%	1187.500	
		Margaret Ann Boys a/k/a fka Margaret Fish	SWN Production Company, LLC	18.00%	1187.489	
		Mary Jo Scenna, a/k/a Mary Jody Singleton Scenna, a/k/a Jody Singleton, a/k/a Mary Joretta Singleton, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1175.195	
		Mary Ruth Hall	SWN Production Company, LLC	16.00%	1172.703	
		Michael Reeves Mabry	SWN Production Company, LLC	18.00%	1174.450	
		Patrick J. Smith, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1172.338	
		Pat Looock, a single woman	SWN Production Company, LLC	18.00%	1177.14	
		Most Reverend Mark E. Brennan, Bishop of the Roman Catholic Diocese of Wheeling-Charleston, his successors and assigns, for the benefit of Our Lady of Peace Parish	SWN Production Company, LLC	18.00%	1179.120	
		Sidney Y. Merritt f/k/a Sidney Yvette Golderman	SWN Production Company, LLC	18.00%	1174.438	
		Susan Reese, a single woman	SWN Production Company, LLC	18.00%	1175.220	
		Theresa Hambrick a/k/a Theresa Lynn Hambrick	SWN Production Company, LLC	18.00%	1191.661	
		Theresa Marcopulos f/k/a Theresa Ross Huff, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	1173.535	
		Trustees of First Presbyterian Church, a West Virginia Church, f/k/a First United Presbyterian Church	SWN Production Company, LLC	18.00%	1173.544	
401	13-0001-0060-0000	Royalty Owner	N/A	N/A	N/A	14.38%
		Adraene Cathleen Jones	SWN Production Company, LLC	16.00%	1191.453	
		Alicia Mainer Rose, f/k/a Alicia Rose Mainer	SWN Production Company, LLC	16.00%	1191.464	
		Brett Seydler, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1188.148	
		Catherine Polonski f/k/a Catherine Louise Smith, a married woman	SWN Production Company, LLC	17.00%	1173.526	
		Christopher F. Singleton	SWN Production Company, LLC	18.00%	1177.24	
		Joseph Edward Stewart, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1172.729	
		Julie Howard a/k/a Julie Ann Howard	SWN Production Company, LLC	18.00%	1187.799	
		Kelly Adele Hatz, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1175.207	
		Kurt Seydler, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1187.478	
		Laura Elizabeth Stewart, a single woman	SWN Production Company, LLC	18.00%	1173.517	
		Laurel Seydler, a single woman	SWN Production Company, LLC	18.00%	1187.500	
		Margaret Ann Boys a/k/a fka Margaret Fish	SWN Production Company, LLC	18.00%	1187.489	
		Mary Jo Scenna, a/k/a Mary Jody Singleton Scenna, a/k/a Jody Singleton, a/k/a Mary Joretta Singleton, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1175.195	
		Mary Ruth Hall	SWN Production Company, LLC	16.00%	1172.703	
		Michael Reeves Mabry	SWN Production Company, LLC	18.00%	1174.450	
		Patrick J. Smith, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1172.338	
		Pat Looock, a single woman	SWN Production Company, LLC	18.00%	1177.14	
		Most Reverend Mark E. Brennan, Bishop of the Roman Catholic Diocese of Wheeling-Charleston, his successors and assigns, for the benefit of Our Lady of Peace Parish	SWN Production Company, LLC	18.00%	1179.120	
		Sidney Y. Merritt f/k/a Sidney Yvette Golderman	SWN Production Company, LLC	18.00%	1174.438	
		Susan Reese, a single woman	SWN Production Company, LLC	18.00%	1175.220	
		Theresa Hambrick a/k/a Theresa Lynn Hambrick	SWN Production Company, LLC	18.00%	1191.661	
		Theresa Marcopulos f/k/a Theresa Ross Huff, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	1173.535	
		Trustees of First Presbyterian Church, a West Virginia Church, f/k/a First United Presbyterian Church	SWN Production Company, LLC	18.00%	1173.544	

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#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
41)	13-0001-0061-0000	Royalty Owner	N/A	N/A	N/A	14.38%
		Adrienne Cathleen Jones	SWN Production Company, LLC	16.00%	1191.453	
		Alicia Mainer Rose, f/k/a Alicia Rose Mainer	SWN Production Company, LLC	16.00%	1191.464	
		Brett Snyder, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1188.148	
		Catherine Poleasi f/k/a Catherine Louise Smith, a married woman	SWN Production Company, LLC	17.00%	1173.526	
		Christopher F. Singleton	SWN Production Company, LLC	18.00%	1177.24	
		Joseph Edward Stewart, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1172.329	
		Julie Howard a/k/a Julie Ann Howard	SWN Production Company, LLC	18.00%	1187.799	
		Kelly Adele Hatz, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1175.207	
		Kurt Snyder, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1187.478	
		Laura Elizabeth Stewart, a single woman	SWN Production Company, LLC	18.00%	1173.517	
		Laurel Snyder, a single woman	SWN Production Company, LLC	18.00%	1187.500	
		Margaret Ann Boys a/k/a fka Margaret Fish	SWN Production Company, LLC	18.00%	1187.489	
		Mary Jo Scenna, a/k/a Mary Jody Singleton Scenna, a/k/a Jody Singleton, a/k/a Mary Joretta Singleton, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1175.195	
		Mary Ruth Hall	SWN Production Company, LLC	16.00%	1172.703	
		Michael Reeves Mabry	SWN Production Company, LLC	18.00%	1174.450	
		Patrick J. Smith, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1172.338	
		Pat Lacoek, a single woman	SWN Production Company, LLC	18.00%	1177.14	
		Most Reverend Mark E. Brennan, Bishop of the Roman Catholic Diocese of Wheeling-Charleston, his successors and assigns, for the benefit of Our Lady of Peace Parish	SWN Production Company, LLC	18.00%	1179.120	
		Sidney Y. Merritt f/k/a Sidney Yvette Golderman	SWN Production Company, LLC	18.00%	1174.438	
		Susan Reese, a single woman	SWN Production Company, LLC	18.00%	1175.220	
		Theresa Hambrick a/k/a Theresa Lynn Hambrick	SWN Production Company, LLC	18.00%	1191.661	
		Theresa Marcopulos f/k/a Theresa Ross Huff, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1173.535	
		Trustees of First Presbyterian Church, a West Virginia Church, f/k/a First United Presbyterian Church	SWN Production Company, LLC	18.00%	1173.444	
42)	13-0001-0069-0000	Marlene Meares, a widow	SWN Production Company, LLC	18.00%	1130.493	
		Janet Schultz, married, dealing in her separate property	SWN Production Company, LLC	18.00%	1130.499	0.00%
		Ronald Bradcovich, single	SWN Production Company, LLC	18.00%	1130.505	
43)	13-0001-0098-0000	Douglas E. Miller	SWN Production Company, LLC	18.00%	1129.387	0.00%
44)	13-0001-0036-0000	Royalty Owner	N/A	N/A	N/A	3.38%
		A. R. Walker, widower	SWN Production Company, LLC	18.00%	1129.378	
		Christine Mainer, f/k/a Ann Christine Smith, married	SWN Production Company, LLC	18.00%	1134.421	
		Brett Snyder, married	SWN Production Company, LLC	18.00%	1154.78	
		Catherine Poleasi, f/k/a Catherine Smith, married	SWN Production Company, LLC	18.00%	1134.429	
		Christopher F. Singleton	SWN Production Company, LLC	18.00%	1177.24	
		Joseph Edward Stewart, married	SWN Production Company, LLC	18.00%	1153.61	
		Julie Ann Howard, single	SWN Production Company, LLC	18.00%	1153.69	
		Kelly Adele Hatz, married	SWN Production Company, LLC	18.00%	1158.81	
		Kurt E. Snyder, married	SWN Production Company, LLC	18.00%	1154.57	
		Laura Elizabeth Stewart, single	SWN Production Company, LLC	18.00%	1153.53	
		Laurel Snyder, f/k/a Laurel Dosterwoich, single	SWN Production Company, LLC	18.00%	1154.47	
		Margaret Ann Boys, f/k/a Margaret Fish, married	SWN Production Company, LLC	18.00%	1154.29	
		Mary Joretta Scenna (a/k/a Jody Scenna)	SWN Production Company, LLC	18.00%	1175.195	
		Mary Hall, f/k/a Mary Smith, married	SWN Production Company, LLC	18.00%	1131.676	
		Michael Reeves Mabry	SWN Production Company, LLC	18.00%	1174.430	
		Patrick J. Smith, Jr., married	SWN Production Company, LLC	18.00%	1131.684	
		Pat Lacoek, single	SWN Production Company, LLC	18.00%	1134.645	
		Roman Catholic Diocese of Wheeling - Charleston, represented by Mark E. Brennan, Bishop	SWN Production Company, LLC	18.00%	1165.905	
		Sidney Y. Merritt f/k/a Sidney Yvette Golderman	SWN Production Company, LLC	18.00%	1174.438	
		Susan Reese, single	SWN Production Company, LLC	18.00%	1134.437	
		Theresa Lynn Hambrick, married	SWN Production Company, LLC	18.00%	1153.45	
		Theresa Marcopulos f/k/a Theresa Rose Huff, married	SWN Production Company, LLC	18.00%	1131.668	
		Trustees of First Presbyterian Church, f/k/a First United Presbyterian Church, represented by Susan Hunter as Clerk of the Session	SWN Production Company, LLC	18.00%	1158.436	
45)	13-0001-0037-0000	Royalty Owner	N/A	N/A	N/A	25.00%
		Rebecca Catharine Fondren Cochran	SWN Production Company, LLC	18.00%	1159.7	
		Margaret Louise Fondren Duncan	SWN Production Company, LLC	18.00%	1158.107	
		Meredith Stein Fovell	SWN Production Company, LLC	18.00%	1131.182	
		Finza William Fondren	SWN Production Company, LLC	18.00%	1160.526	
		John Edmund Fondren	SWN Production Company, LLC	18.00%	1155.461	
		Joan Stein Fulton	SWN Production Company, LLC	18.00%	1152.346	
		Kristi Misereandino, f/k/a Kristi Stein, married, dealing herein with her separate property	SWN Production Company, LLC	18.00%	1131.692	
		Lillian M. Oliver Revocable Trust U/A dated 9/17/1998	SWN Production Company, LLC	18.00%	1130.487	
		Gerald Joseph Pizz, a/k/a Jerry Pizzi, widower	SWN Production Company, LLC	18.00%	1152.252	
		Laura Stein Fovell	SWN Production Company, LLC	18.00%	1150.289	
		Christin L. Stein	SWN Production Company, LLC	18.00%	1135.277	
		Eric Stein	SWN Production Company, LLC	18.00%	1168.702	
		William D. Stein	SWN Production Company, LLC	18.00%	1156.144	0.00%
46)	13-0001-0007-0000	CNX Gas Company, LLC	SWN Production Company, LLC	18.00%	1156.144	0.00%
47)	13-0001-0006-0000	CNX Gas Company, LLC, by Timothy Surnick, President	SWN Production Company, LLC	18.00%	1170.100	0.00%
48)	13-001K-0030-0000	Lyla L. Cos, Trustee of the Lyla Cos Family Trust dated July 15, 2019	SWN Production Company, LLC	18.00%	N/A	100.00%
49)	13-001K-0019-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%

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#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
✓ 50	13-001K-0018-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 51	13-001K-0017-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 52	13-001K-0016-0000	Michael Sobota, Jr. and Mary Ann Sobota, husband and wife, as joint tenants with right of survivorship	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	923/558 48/263	0.00%
✓ 53	13-001K-0015-0000	Michael Sobota, Jr. and Mary Ann Sobota, husband and wife, as joint tenants with right of survivorship	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	923/558 48/263	0.00%
✓ 54	13-001K-0012-0000	Michael E. Moore, a single man	SWN Production Company, LLC	16.00%	1184/557	0.00%
✓ 55	13-001K-0014-0000	Callie E. Wade, a single woman	SWN Production Company, LLC	18.00%	1181/743	0.00%
✓ 56	13-001K-0015-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 57	13-001K-0016-0000	Adam B. Campbell and Stacey L. Kasik Campbell, husband and wife	SWN Production Company, LLC	16.00%	1172/576	0.00%
✓ 58	13-001K-0017-0000	David A. Dove, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.00%	1187/113	0.00%
✓ 59	13-001K-0009-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 60	13-001K-0007-0000	Sandra Ann Templem, a single woman	SWN Production Company, LLC	16.00%	1175/188	0.00%
✓ 61	13-001K-0008-0000	Sandra Ann Templem, a single woman	SWN Production Company, LLC	16.00%	1175/188	0.00%
✓ 62	13-001K-0001-0000	Shawn T. Sampson and Melinda D. Sampson, husband and wife	SWN Production Company, LLC	18.00%	1175/622	0.00%
✓ 63	13-001B-0025-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 64	13-001B-0027-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 65	13-001B-0028-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 66	13-001B-0029-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 67	13-001B-0030-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 68	13-001B-0031-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 69	13-001B-0038-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 70	13-001A-0212-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 71	13-001A-0164-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 72	13-001A-0163-0000	Edward S. Nolan, a single man	SWN Production Company, LLC	18.00%	1179/241	0.00%
✓ 73	13-001A-0187-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 74	13-001A-0206-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 75	13-001A-0208-0000	Greg Myers, a single man	SWN Production Company, LLC	16.00%	1175/181	0.00%
✓ 76	13-001A-0204-0000	Greg Myers, a single man	SWN Production Company, LLC	16.00%	1175/181	0.00%
✓ 77	13-001A-0203-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 78	10-0W89-0020-0001	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 79	10-0W89-0020-0000	Debbie J. Grogg, a single woman	SWN Production Company, LLC	16.00%	1179/79	0.00%
✓ 80	10-0W89-0019-0000	Jacob Mall and Madelyn Mall, husband and wife	SWN Production Company, LLC	18.00%	1064/338	0.00%
✓ 81	10-0W89-0199-0000	Christopher M. Perko, Sr. Christopher M. Perko, Jr.	SWN Production Company, LLC SWN Production Company, LLC	18.00%	1070/659 1070/665	0.00%
✓ 82	10-0W89-0195-0000	City of Wheeling, a municipal corporation, by Robert Herron, City Manager	SWN Production Company, LLC	18.00%	1056/53	0.00%
✓ 83	10-0W89-0076-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 84	10-0W89-0075-0000	Frank Jay Prebeg, a single man	SWN Production Company, LLC	18.00%	1058/319	0.00%
✓ 85	10-0W89-0071-0000	Mary J. Wilton, a single woman	SWN Production Company, LLC	18.00%	1056/236	0.00%
✓ 86	10-0W89-0186-0001	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 87	10-0W89-0082-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 88	10-0W89-0084-0000	Robert A. Shaw, a single man	SWN Production Company, LLC	16.00%	1180/579	0.00%
✓ 89	10-0W89-0090-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 90	10-0W89-0116-0004	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 91	10-0W89-0116-0001	Cheryl Lynn Bauer, a married woman dealing in her sole and separate property Renae Paula Clegg, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	16.00%	1058/674 1070/785	0.00%
✓ 92	10-0W89-0116-0003	Lisa Stogler	SWN Production Company, LLC	16.00%	1062/508	0.00%
✓ 93	10-0W89-0116-0002	Randy Cole Holloway, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.00%	1054/752	0.00%
✓ 94	10-0W89-0117-0001	William C. Ulrich & Jodi M. Hales-Ulrich, husband and wife	SWN Production Company, LLC	16.00%	1059/767	0.00%
✓ 95	10-0W89-0116-0000	Daniel L. Dobbs and Julie A. Dobbs, husband and wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	923/306 993/705	0.00%
✓ 96	10-0W85-0026-0000	Wheeling Power Company, aka Wheeling Electric Company, a West Virginia corporation, a subsidiary of American Electric Power Company, Inc.	SWN Production Company, LLC	18.00%	1052/627	0.00%
✓ 97	10-0W85-0027-0000	Debra Jean Renner, a married woman, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1052/311	0.00%
✓ 98	10-0W85-0028-0001	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 99	10-0W85-0030-0000	Debra Jean Renner, a married woman, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1052/311	0.00%
✓ 100	10-0W85-0031-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 101	10-0W85-0032-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 102	10-0W85-0021-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 103	10-0W85-0019-0000	John J. Donaher, a single man	SWN Production Company, LLC	16.00%	1065/452	0.00%
✓ 104	10-0W85-0022-0000	Debra Jean Renner, a married woman, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1052/311	0.00%
✓ 105	10-0W85-0017-0000	Linda Parker, a single woman Ethel Evans, a single woman	SWN Production Company, LLC SWN Production Company, LLC	16.00%	1065/439 1065/433	0.00%
✓ 106	10-0W85-0011-0000	Brian M. White and Dana E. White, husband and wife	SWN Production Company, LLC	18.00%	1057/47	0.00%
✓ 107	10-0W85-0010-0000	James D. Kosonik, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1059/727	0.00%
✓ 108	10-0W85-0009-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 109	10-0W85-0008-0000	Joseph A. Zombek and Debra A. Zombek, husband and wife	SWN Production Company, LLC	18.00%	1065/417	0.00%
✓ 110	10-0W85-0008-0003	Benjamin M. Justice and Brooke R. Justice, husband and wife	SWN Production Company, LLC	18.00%	1066/296	0.00%
✓ 111	10-0W85-0007-0000	Deborah Ann Shinsky, a married woman dealing in her sole and separate property Maureen Lee Wagner, a married woman dealing in her sole and separate property	SWN Production Company, LLC SWN Production Company, LLC	16.00%	1057/517 1057/68	0.00%
✓ 112	10-0W85-0003-0000	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	20.00%	1065/82	0.00%

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#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
✓ 1131	STATE RT 2- US RT 250	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	20.00%	1065/82	0.00%
✓ 1141	STATE RT 2- US RT 250	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1151	10-0W78-0423-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1161	10-0W78-0422-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1171	10-0W78-0495-0001	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1181	10-0W78-0420-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1191	10-0W78-0406-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1201	10-0W78-0407-0000	Bhansu Maniar and Lisa Maniar, husband and wife	SWN Production Company, LLC	16.00%	1059/552	0.00%
✓ 1211	10-0W78-0501-0000	Bhansu Maniar and Lisa Maniar, husband and wife	SWN Production Company, LLC	16.00%	1059/552	0.00%
✓ 1221	10-0W78-0498-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%
✓ 1231	10-0W78-0380-0000	Royalty Owner (subject to unitization filing dated July 3, 2024)	N/A	N/A	N/A	100.00%

END OF EXHIBIT "A"

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December 16, 2024

Mr. Charles Brewer
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

*Ch# 1086252
7500 00*

RE: Proposed Expedited Mod: Ruth Keller MSH 205H

Dear Mr. Brewer:

Enclosed please find the required documents to modify this well. We received an NOV (12036) for drilling off the leases depicted on the 6A1. Going forward, drilling will ensure they are using the correct drilling plan and we will continue to list potentially impacted parcels on the initial plat. This well is situated on the Keller's property, in Union District, Marshall County, West Virginia.

Enclosed you will find:

- 6B
- WBD
- Mylar
- 6A1

If you have any questions or desire additional information, please me at 304-884-1613

Thank you.

Sincerely,

Brittany Woody

Brittany Woody
Staff Regulatory Specialist
Southwestern Energy Production Company, LLC

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Environmental Protection

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