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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, June 27, 2023  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for MELVIN KAHLE OHI 201H  
47-069-00347-00-00

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 handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin  
Chief

Operator's Well Number: MELVIN KAHLE OHI 201H  
Farm Name: MELVIN W KAHLE JR & CAROL M KAHLE  
U.S. WELL NUMBER: 47-069-00347-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 6/27/2023

Promoting a healthy environment.

06/30/2023

CK # 0001074067  
\$ 5000.00  
Exp. Mod

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 069-Ohio 6-Triadelphia 674-Wheeling  
Operator ID County District Quadrangle

2) Operator's Well Number: Melvin Kahle OHI 201H Well Pad Name: Melvin Kahle OHI

3) Farm Name/Surface Owner: Melvin M. Kahle Jr. & Carol M. Kahle Public Road Access: Chapel Hill Road

4) Elevation, current ground: 1276' Elevation, proposed post-construction: 1276'

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- 6274', Target Base TVD- 6336', Anticipated Thickness- 62', Associated Pressure- 4118

8) Proposed Total Vertical Depth: 6316'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24611'

11) Proposed Horizontal Leg Length: 16879.97'

12) Approximate Fresh Water Strata Depths: 336'

13) Method to Determine Fresh Water Depths: Salinity Profile, Melvin Kahle 8H logs API 47-069-00070

14) Approximate Saltwater Depths: 750' Salinity Profile

15) Approximate Coal Seam Depths: 597'

16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 597'

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

RECEIVED  
Office Of Oil and Gas

JUN 08 2023

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_

Depth: \_\_\_\_\_

Seam: \_\_\_\_\_

Owner: \_\_\_\_\_

RECEIVED  
Office Of Oil and Gas

JUN 08 2023

WV Department of  
Environmental Protection

*Strader Gower*  
5/26/2023

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#	110'	110'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	660'	660'	686 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2040'	2040'	743 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	24611'	24611'	head 4782w/Tail 1065w/ 100 inside
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"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

*Shadrach Gower*

5/26/2023

WW-6B  
(10/14)

4706900347  
API NO. 47-069  
OPERATOR WELL NO. Melvin Kahle OHI 7014  
Well Pad Name: Melvin Kahle OHI

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 unites, 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): 8.14

22) Area to be disturbed for well pad only, less access road (acres): 7.17

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.

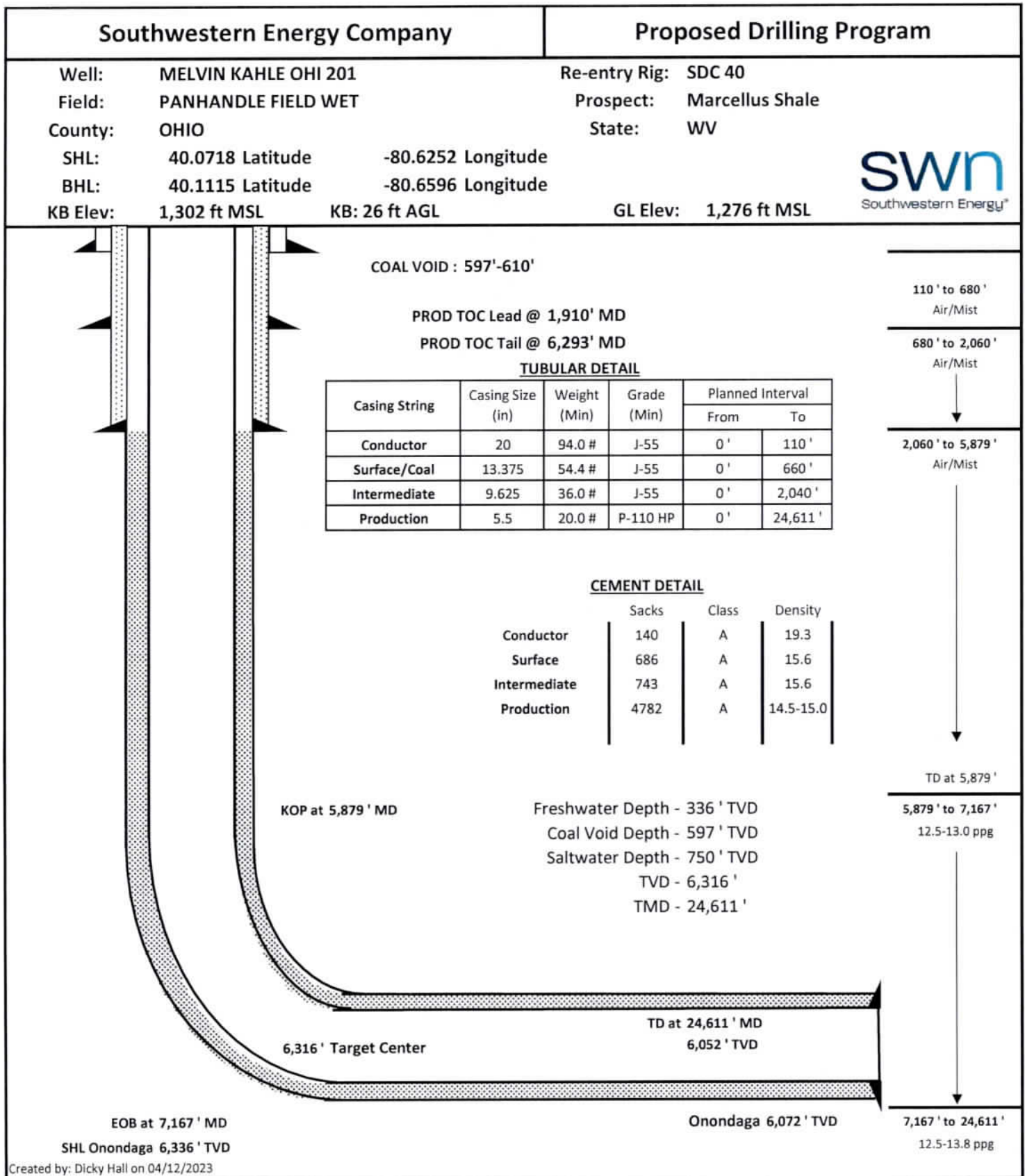
24) Describe all cement additives associated with each cement type:

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.

\*Note: Attach additional sheets as needed.



April 12, 2023

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

**RE:** Proposed New Well: Melvin Kahle OHI 201H

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 Kahle's property, in Triadelphia District, Ohio County, West Virginia.

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

Thank you.

Sincerely,

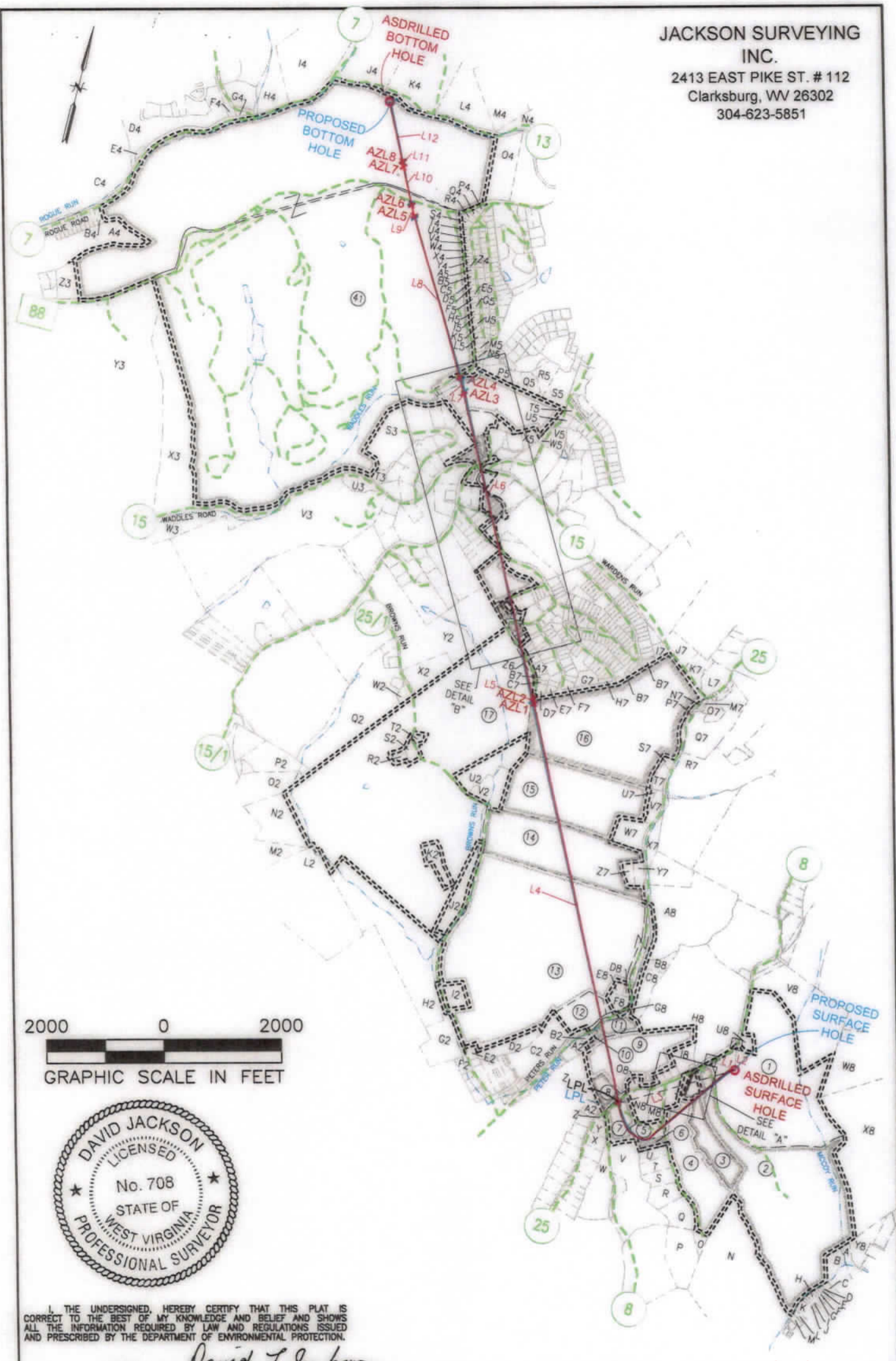


Brittany Woody  
Senior Regulatory Analyst  
Southwestern Energy Production Company, LLC



06/30/2023

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*

06/30/2023

REVISIONS:	COMPANY:		
		OPERATOR'S	DATE: 06-01-2023
		WELL #:	DRAWN BY: N. MANO
		DISTRICT:	SCALE: 1"=2000'
		COUNTY:	DRAWING NO:
		STATE:	WELL LOCATION PLAT 2
		API #:	
		WV	
		47-069-00347	
		201H	
		TRIADDELPHIA	
		OHIO	

Latitude: 40°05'00"

SURFACE HOLE 43'

9,684'

Latitude: 40°07'30" BOTTOM HOLE

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
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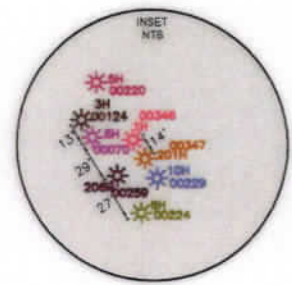
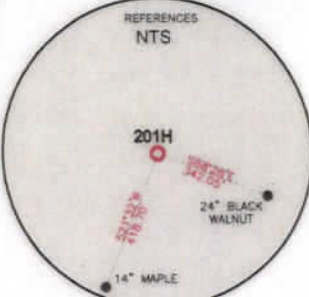
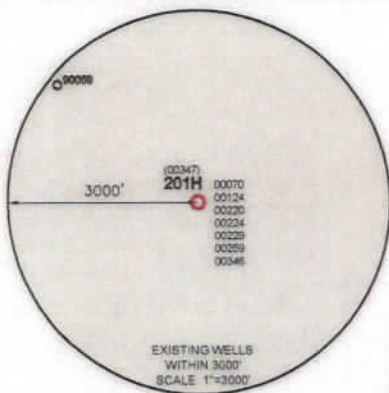
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), AZIMUTH POINT LOCATION-1 (AZL1) through AZL8, and BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).

Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), AZIMUTH POINT LOCATION-1 (AZL1) through AZL8, and BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).

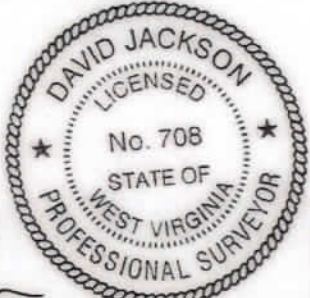
Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Lists survey lines L1 through L12 with bearings, distances, and descriptions.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Lists survey lines L3, L7, and L9 with bearings, distances, curve lengths, and descriptions.



- WELL RESTRICTIONS
1. NO OCCUPIED DRILLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



COMPANY: SWN Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

MELVIN KAHLE OHI
OPERATOR'S WELL #: 201H
API WELL #: 47 STATE, 069 COUNTY, 00347 PERMIT

WELL TYPE: OIL [ ] WASTE DISPOSAL [ ] PRODUCTION [X] DEEP [ ] GAS [X] LIQUID INJECTION [ ] STORAGE [ ] SHALLOW [X]
WATERSHED: MCCOY RUN OF LITTLE WHEELING CREEK OF WHEELING CREEK (HUC-10) ELEVATION: 1,276.1'
DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: WHEELING, WV
SURFACE OWNER: MELVIN W. KAHLE JR. & CAROL M. KAHLE ACREAGE: ±84.99
OIL & GAS ROYALTY OWNER: MELVIN W. KAHLE JR. & CAROL M. KAHLE ACREAGE: ±84.99
DRILL [ ] DRILL DEEPER [ ] REDRILL [ ] FRACTURE OR STIMULATE [ ] PLUG OFF OLD FORMATION [ ] PERFORATE NEW FORMATION [ ]
CONVERT [ ] PLUG & ABANDON [ ] CLEAN OUT & REPLUG [ ] OTHER CHANGE [X] (SPECIFY) MODIFICATION
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 06/30/2023 TMD

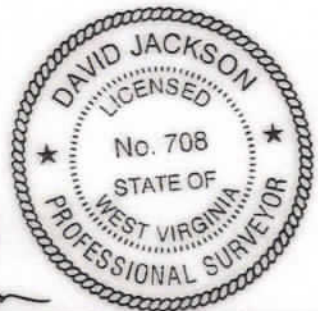
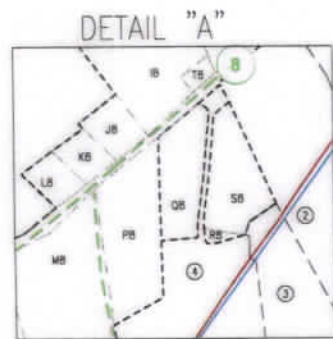
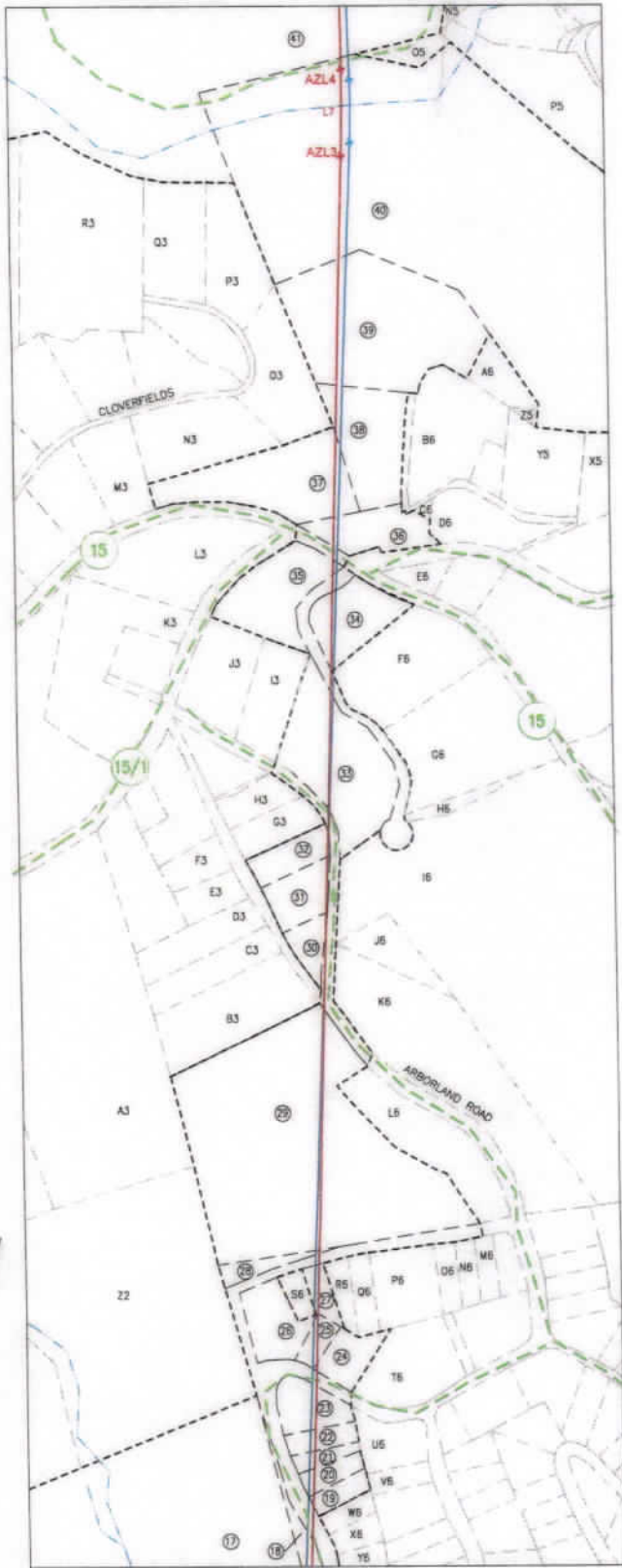
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LANDING POINT LOCATION, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ADSRILLED PATH, PROPOSED PATH, AZL\* AZIMUTH POINT LOCATION, REVISIONS, DATE: 06-01-2023, 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

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*

06/30/2023

REVISIONS:	COMPANY:		
	OPERATOR'S	MELVIN KAHLE OHI	API #:
	WELL #:	201H	47-069-00347
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 06-01-2023
			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	KAHLE MELVIN W JR & CAROL M (S)	6-T7-170
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	DICKEY THOMAS O III ET AL (S)	6-T7-171
3	DAVIS CONNIE (S)	6-T7-172.16
4	PAXTON DAVID M & CLAIRE (S)	6-T7-172.19
5	TOMINACK THOMAS S & M D (S)	6-T7-172.8
6	TOMINACK THOMAS SCOTT (S)	6-T7-172.7
7	ANDERSON CLIFFORD R ET AL (S)	6-T7-172
8	HEARN LYLE & KIMBERLIE (S)	6-T7-173
9	POLUS JODY & ALEXANDRIA (S)	6-T7-158
10	DANEHART ARTHUR W & P R (LIFE) ENGLAND CYNTHIA A ET AL (S)	6-T7-141
11	CROFT REVOCABLE TRUST (S)	6-T7-139
12	SAPORITO MICHAEL A & RAE L (S)	6-T7-136
13	DICKERSON CYNTHIA ANN ET AL (S)	6-T2-22
14	HATCHER EDWARD A (S)	6-T2-21
15	HATCHER EDWARD A SR (S)	6-T2-21.4
16	HALL EULA BERNICE (S)	4-R18-3
17	MINCH TIMMY B & AMY L (S)	6-T2-18
18	DEMURI HOME & GARDEN LLC (S)	4-R17H-1
19	HOLT CHRISTINE L (S)	4-R17D-33.1
20	MEEKER JO ANN (S)	4-R17D-31.1
21	STORM CAROL ANNE (S)	4-R17D-31
22	DEEDS J G & M K GARRISON (S)	4-R17D-30
23	SOVINSKI V J & H G (S)	4-R17D-28
24	KNIERIM PHILIP & SANDRA (S)	4-R17D-24
25	BARRY JON J & JAYMIE J (S)	4-R17D-26
26	BARRY JON J & JAYMIE (S)	4-R17D-3
27	BARRY JON J & JAYMIE J (S)	4-R17D-5
28	L&B DEVELOPMENT LLC (S)	4-R17D-1
29	NUTTING G OGDEN TRUST (S)	4-R17-34
30	GRINDLEY JOHN K & LINDA M (S)	4-R17-31
31	GRINDLEY JOHN K & LINDA M (S)	4-R14-81
32	PEYTON EDWARD L & J A (S)	4-R14-80
33	CUFFARO PETER L (S)	4-R14-82.6
34	GRUBLER MICHAEL J (S)	4-R14-82.3
35	CRUTCHFIELD JAMES K & DIANA H (S)	4-R14-82.1
36	YBANEZ-MORANO JESSICA (S)	10-W17D-8.2
37	KAHLE KAREN E (S)	4-R14-72
38	HERRON SARA & ROBERT D III (S)	10-W17D-8.1
39	HITCHMAN ROBERT R & STEPHANIE Z (S)	10-W17D-9
40	WHEELING PARK COMMISSION (S)	10-W17D-7
41	CITY OF WHEELING (S)	4-R14-15

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MINNOTTE HOLDINGS II LLC	7-TW7-1.1
B	MINNOTTE HOLDINGS II LLC	7-TW7-2
	NAGLE FAMILY IRREVOCABLE TRUST C/O WESBANCO TRUST SERVICES	7-TW7-3
C		
D	OHIO COUNTY PUBLIC SERV DIST	7-TW7-4.1
E	OHIO COUNTY PUBLIC SERV DIST	7-TW7-5
F	OHIO COUNTY PUBLIC SERV DIST	7-TW7-6
G	COOK DENNIS L SR	7-TW7-7
H	KOSEM KEVIN S & BRENDA A	7-TW7-8
I	LAUFFER JEAN C LE & GUTMAN CL LAUFFER ME; HESS MA	7-TW7-9
J	KOSEM KEVIN S & BRENDA A	7-TW7-10
K	KOSEM KEVIN S & BRENDA A	7-TW7-11
L	KOSEM KEVIN S & BRENDA A	7-TW8-1
M	K & B RENTALS LLC	7-TW8-2.1
N	MCKEE FAMILY IRREVOCABLE TRUST	6-T7-174
O	BARTLETT RANDALL E	7-T7-172.15
P	BARTLETT RANDALL E & D M	6-T7-172.4
Q	KOPYAR JERRY L AND CYNTHIA L	6-T7-172.6
R	DICKEY DAVID A GRAYNOVSKY MARGARET	6-T7-172.3
S	BARTLETT RANDALL E & D M	6-T7-172.4
T	FURBEE DAVID L & MARY LOU	6-T7-172.5
U	STRAUB WILLIAM F & NINA J	6-T7-172.20
V	ABUNDANT LIFE BAPTIST CHURCH ET AL	6-T7-172.12
W	TEUFEL THOMAS M	6-T7-164
X	MILLER GARY & JODY IRREVOCABLE TRUST	6-T7-163.4
Y	MILLER GARY & JODY IRREVOCABLE TRUST	6-T7-163.14
Z	LUCKY FARMS LLC	6-T7-163
A2	LAUDERMILT MARY ANN & GARY E SR	6-T7-142
B2	DANEHART ARTHUR W & P R (LIFE) ENGLAND CYNTHIA A ET AL	6-T7-140
C2	FIGARETTI ANTHONY FRANK	6-T7-137
D2	FIGARETTI ANTHONY FRANK	6-T7-180
E2	WALLACE R W JR & SHOCKEY DAVID G	6-T7-134
F2	BAUER HOLLY K & PAUL M	6-T7-112.1
G2	FRITTER RALPH LEE II FRITTER MELISSA EDITH	6-T7-111
H2	ORUM WILLIAM A & CYNTHIA	6-T7-178
I2	ORUM M D 6/9 INT, W B ORUM 1/9 K D ORUM 1/9 & J E ORUM 1/9	6-T7-135.1
J2	ORUM WILLIAM A & CYNTHIA E	6-T2-19.1
K2	JUNIPER LODGE INC	6-T2-19
L2	WHEELING PARK COMMISSION	6-T7-95
M2	DANEHART LUANN AND ARTHUR W JR	6-T2-16.2
N2	VILLANOVA DONALD G AND BECKY J	6-T2-16
O2	VILLANOVA DONALD G AND BECKY J	6-T2-15.2
P2	FRANKE RODD A & LISA R	6-T2-15.3
Q2	MONFRADI CHARLES AND DOLORES	4-R17-58
R2	MINCH TIMMY B & AMY L	4-R17-63
S2	MINCH DANNY AND GINA	4-R17-61
T2	HANSEN WILLIAM J & KAYLA M	4-R17-62
U2	POCKL RONALD J	6-T2-20.1
V2	WOJCHOWSKI MORGAN A	6-T2-20
W2	MINCH TIMMY B & AMY L	4-R17-58.1
X2	MINCH ROBERT WILLIAM JR MINCH BARBARA JEAN	4-R17-57.2
Y2	MINCH ROBERT WILLIAM JR MINCH HERBERT PAUL	4-R17-57
Z2	NUTTING G OGDEN TRUST	4-R17-57.1
A3	NUTTING G OGDEN TRUST	4-R17-35
B3	GRINDLEY JOHN K & LINDA H	4-R17-32
C3	CONNER MICHAEL T & B J	4-R17-30
D3	KEITH CAROLYN E	4-R17-29
E3	NIELSEN DOUGLAS P & LISA A	4-R17-28
F3	NIELSEN DOUGLAS P & LISA A	4-R17-27
G3	PEYTON EDWARD L & J A	4-R14-79
H3	MUSICARO ARTHUR E & VICTORIA S	4-R14-78
I3	CUFFARO PETER L	4-R14-82.7
J3	KERSHUK JODI	4-R14-82.2
K3	BRAMMER KEITH F & BRAMMER SARAH G	4-R14-68
L3	TIU WILFREDO A & MARTHA E	4-R14-71
M3	MOLNAR JOHN G & MARGARET L	4-R14-62
N3	ZILLIS MICHAEL M & WHITNEY K	4-R14-61
O3	WARD MARY LOUISE (LE) BOARD SUSAN WARD	4-R14-60
P3	LAPP SAMUEL J II & HEATHER A	4-R14-50.1
Q3	GOMPERS KATHLEEN M	4-R14-50.3
R3	GOMPERS KATHLEEN M	4-R14-50.2
S3	FRIEND HARRIETTE E FRIEND L EDWARD II	4-R14-51
T3	HITCHMAN EDWARD T III HITCHMAN HELEN G	4-R14-53
U3	HINEBAUGH SAM	4-R17-8.1
V3	PARK VIEW MEMORIAL GARDENS INC	4-R17-8
W3	GACS LP	10-W27A-1
X3	WHEELING PARK COMMISSION	4-R14-14.1
Y3	ELM HILL HOLDINGS LLC	4-R14-14
Z3	SCHULTZ JEFFREY S	4-R14-13

06/30/2023

REVISIONS:	COMPANY:	 	
	OPERATOR'S	MELVIN KAHLE OHI	API #:
	WELL #:	201H	47-069-00347
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 06-01-2023
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

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

TRACT	SURFACE OWNER	TAX PARCEL
A4	WHEELING PARK COMMISSION	10-W17A-1
B4	PELUCETTE JOHN M & C L	4-R14J-1
C4	POLACK EDWARD P	4-R14-95
D4	JOSEPH ELIAS E	4-R14A-53
E4	ALLEN THOMAS E	4-R14E-4
F4	SCHMITT JAMES A	4-R14-4.6
G4	SCHMITT JAMES A	4-R14-4.5
H4	HARROLD PAMELA SUE C/O GC&P ANIMAL HOSPITAL INC	4-R14-6
I4	JONES WILBUR S JR JEFFERSON JOYCE P	4-R14-90
J4	SISTERS OF ST JOSEPH OF WHEELING INC	4-R11-21
K4	SISTERS OF ST JOSEPH OF WHG	4-R11-20
L4	PARKS SYSTEM TRUST FUND OF WHEELING	4-R11-21.3
M4	WHEELING PARK COMMISSION	4-R14-91
N4	WHEELING PARK COMMISSION	4-R14-20.4
O4	WHEELING PARK COMMISSION	4-R14-15.2
P4	HOSFELT WILLIAM J & PATRICIA HOSFELT ESTATES	10-W12D-2
Q4	RANSOM CHARLES M & CRYSTAL G	10-W12D-1
R4	BURKE SUSAN R	10-W14D-1
S4	SATTERFIELD DOROTHY	10-W14D-2
T4	TUCKER ROBERT A & R	10-W14D-3
U4	MCKINLEY BETTY J	10-W14D-4
V4	BONAR RILEY L	10-W14D-5
W4	QUEEN THOMAS R & CYNTHIA A	10-W14D-6
X4	RIGGS DAVID V & KERRIE L	10-W14D-7
Y4	ROBINSON TONY A	10-W14D-8
Z4	BTCT RENTALS LLC	10-W14D-9
A5	KUHAR DOROTHY RES'V L/E KUHAR CHRISTINE	10-W14D-10
B5	BERRY ETHAN E & MATHES SUSAN M	10-W14D-11
C5	PEARCE CRAGO PAULA	10-W14D-12
D5	SMITH CODY A	10-W14D-13
E5	SAFCSAK KATHLEEN	10-W14D-14
F5	DOEPKEN DAVID W & CHRISTINE B	10-W14D-15
G5	BAUER JESSICA L & CHAD	10-W14D-16
H5	NEUMAN CHARLES & B J WOTRING	10-W14D-17
I5	YOUNG MARK K & SAMANTHA	10-W14D-18
J5	PETRI DANIEL S & D	10-W14D-19
K5	WATSON STEVEN A & SHERI	10-W17D-2
L5	HANNA STEPHEN L & C H	10-W17D-3
M5	MILLER DAVID W & JUNKERSFELD PETER J	10-W17D-4
N5	MILLER DAVID W & JUNKERSFELD P	10-W17D-5
O5	MCBANE DANIEL J & CLARE	10-W17D-6
P5	FITZSIMMONS CLAYTON J	4-R14-46.13
Q5	HIGH PHILIP D	4-R14-46.9
R5	TAYLOR CHRISTOPHER T & BRITTANY N TAYLOR	4-R14-46.12
S5	TIU CHRISTOPHER & DANA K	4-R14-46.18
T5	JAMISON LINDA G KOLAS	4-R14M-3.1
U5	FULTON JOAN E	4-R14M-35
V5	BRINSKY JAMES S & MARY T	4-R14R-1.3
W5	SHEETS DON E	4-R14R-1.1
X5	DUPLAGA MICHAEL III & ALYSSA	4-R14-49
Y5	STRAUSS CARTER W & B S	4-R14-48
Z5	RANDOLPH LOUIS R & CANDICE A	4-R14-48.1
A6	RANDOLPH LOUIS R & CANDICE A	10-W17D-9.1
B6	FREEMAN CHRISTOPHER C	4-R14-97
C6	BRADAC CHARLES J JR	10-W17D-8.4
D6	BRADAC CHARLES J JR	4-R14-47
E6	GORDON SCOTT L JR & CHARLENE A GORDON - TOD	4-R14-73
F6	ROCKEY BRIAN R & JULIANNE	4-R14-82.4
G6	MENDENHALL T T & C B	4-R14-82.5
H6	MENDENHALL THOMAS T & CHERYL B	4-R14-82.8
I6	KRAMER JOHN N	4-R14-82
J6	KRAMER JOHN N	4-R17-60.1
K6	WILMOTH WILLIAM D & REBECCA W	4-R17-60
L6	NUTTING G OGDEN TRUST	4-R17-60.2
M6	MANSUETTO MATTHEW J & MELISSA A	4-R17D-13
N6	MANSUETTO MATTHEW J & MELISSA A	4-R17D-12
O6	MANSUETTO MATTHEW J & MELISSA A	4-R17D-11
P6	MANSUETTO MATTHEW J & MANSUETTO MELISSA A	4-R17D-9
Q6	MANSUETTO MATTHEW J & MELISSA A	4-R17D-7
R6	BARRY JON & JAYMIE	4-R17D-6
S6	BARRY JON & JAYMIE	4-R17D-4
T6	KNIERIM PHILIP G	4-R17D-19
U6	WEST THOMAS P JR	4-R17D-47
V6	WEST THOMAS P JR	4-R17D-45
W6	HOLT CHRISTINE L	4-R17D-33
X6	WEST THOMAS P	4-R17D-35
Y6	EMANE THOMAS C/O PUGMIRE JUDITH ANN	4-R17D-36
Z6	WEATHERSON PENNY	4-R17H-2
A7	ALBERT ELVIRA	4-R17H-4
B7	HUMWAY ROSE	4-R17D-81

TRACT	SURFACE OWNER	TAX PARCEL
C7	ROGER K COTTRELL SR-TOD ET AL	4-R17H-7
D7	FLUHARTY DAVID L	4-R17H-8
E7	JACK PHYLLIS ANN & REUTHER JACQUELINE ANN	4-R17H-10
F7	NIZAMI SALEEM AHMAD & NIZAMI DENITRA DAWN	4-R17H-18
G7	NIZAMI SALEEM & DENITRA	4-R17H-21.1
H7	HUMWAY ROSE	4-R17D-81
I7	ROBINSON RICHARD J	4-R18A-2
J7	HOPKINS CLARENCE E III	4-R18-4.2
K7	CRONIN AMY PERKO CRONIN CHEYENNE WILLIAM	4-R18-21.4
L7	LAFOLLETT MARY BETH LAFOLLETT CHRISTOPHER NEAL	4-R18-21
M7	HOFFMAN FAMILY IRREVOCABLE TRUST	4-R18-25
N7	JOSHUA D MILLER	4-R18-21.1
O7	JOSHUA D MILLER	4-R18-21.5
P7	HOFFMAN FAMILY IRREVOCABLE TRUST	4-R18-21.2
Q7	HOFFMAN FAMILY IRREVOCABLE TRUST	4-R18-27.1
R7	HOFFMAN ROBERT LEE JR & BIERKORETTE BERNADINE	4-R18-27
S7	HESS KEITH R & CAROLYN S	4-R18-2.1
T7	JOHNSON HARRY E - TOD	4-R18-2
U7	HATCHER HOWARD W JR & L J	6-T2-21.6
V7	COVEY ON RISE, LLC	6-T2-21.5
W7	DAILER JAMES M & MARILYN D	6-T2-21.7
X7	NEUMAN MICHAEL C & COCHRAN SARAH	6-T2-21.1
Y7	BARON JAMES C & CAROLYN J	6-T2-21.2
Z7	BARON JAMES C & CAROLYN J	6-T2-21.3
A8	NEUMAN MICHAEL C & COCHRAN SARAH	6-T2-25
B8	LAUDERMILT GARY E & M A	6-T2-26.1
C8	LAUDERMILT MARY A & G E	6-T2-26
D8	CROFT SAMUEL E & ROSE M TRUST CROFT SAMUEL E & ROSE M; TEES	6-T2-24
E8	CROFT SAMUEL & ROSE	6-T2-24.2
F8	JONES LAMBERT	6-T2-24.1
G8	JONES LAMBERT T II	6-T7-138
H8	KAHLE MELVIN W JR	6-T2-30
I8	BUTLER KAREN J	6-T7-160
J8	BAKER JOHN & TERRIE	6-T7-170.1
K8	WYCHERLEY TAMMY & JOSEPH E SR	6-T7-161
L8	WYCHERLEY TAMMY & JOSEPH E SR	6-T7-161.1
M8	HELMS AMY J & HUBBARD ROBERT S	6-T7-172.9
N8	KNOX MARK A & ALAIRE S	6-T7-172.10
O8	MCCONNELL SAMANTHA A & DAVID	6-T7-162
P8	MILLER THOMAS & CATHY	6-T7-172.17
Q8	PAXTON DAVID M & CLAIRE E	6-T7-172.1
R8	SELAK ROBERT T & TAMMY L	6-T7-172.18
S8	SELAK ROBERT T & TAMMY L	6-T7-172.13
T8	BUTLER RICHARD R & K J	6-T7-160.1
U8	KAHLE MELVIN W JR & C M	6-T7-170.2
V8	KAHLE MELVIN W JR	6-T2-36
W8	OCH CHARLES R III & MELISSA R C/O OCH MELISSA RENEE	6-T8-1
X8	MARSHALL GARY E & D A	6-T8-2.1
Y8	RIGGS FRANCIS A & D M	6-T8E-3

06/30/2023

REVISIONS:	COMPANY:		
	OPERATOR'S	MELVIN KAHLE OHI	API #:
	WELL #:	201H	47-069-00347
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 06-01-2023
			DRAWN BY: N. MAND
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 5

WW-6A1  
(5/13)

Operator's Well No. MELVIN KAHLE OHI 201H

**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 I 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
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See Exhibit A

**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 Co., LLC  
 By: Gavin Nadeau, RPL  
 Its: Senior Landman

EXHIBIT "A" Melvin Kahle OHH 201H Ohio County, West Virginia						
Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator						
#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
1)	06-0077-0170-0000	Melvin W. Kahle, Jr. and Carol M. Kahle, husband and wife	Great Lakes Energy Partners, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	14.00%	771-494 808-462 883-204	0.00%
2)	06-0077-0171-0000	Mary Angela Dicozy, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50%	792-213 885-512	0.00%
3)	06-0077-0172-0016	Conna Davis, single	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	807-286 883-291	0.00%
4)	06-0077-0172-0019	Brian W. Vossan and Tambrla E. Vossan, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	806-445 883-267	0.00%
5)	06-0077-0172-0008	Harry C. Boyd, Jr., married	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	822-31 883-105	0.00%
6)	06-0077-0172-0007	Harry C. Boyd, Jr., married	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	822-31 883-105	0.00%
7)	06-0077-0172-0000	Henry C. Boyd, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	812-862 884-253	0.00%
8)	06-0077-0173-0000	Lyle Haen and Kimberlie A. Haen, husband and wife	SWN Production Company, L.L.C.	18.00%	929-378	0.00%
9)	06-0077-0158-0000	470 Land Company LLC	Fossil Creek Ohio, LLC Gulfport Energy Corporation American Petroleum Partners Operating, LLC SWN Production Company, L.L.C.	18.00%	873-532 893-392 909-775 946-405	0.00%
10)	06-0077-0141-0000	Arthur W. Danhart and Phyllis R. Danhart, husband and wife (life estate), Cynthia Ann England, Janet Lee Duffly, and Arthur W. Danhart, Jr. (remaindermen)	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	825-479 883-140	0.00%
11)	06-0077-0139-0000	Samuel E. Croff and Rose Marie Croff, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	811-899 883-144	0.00%
12)	06-0077-0136-0000	Michael A. Saportis, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	837-163 885-368	0.00%
13)	06-0072-0022-0000	Ruth Hall, widow	NPAR, LLC Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	814-339 827-284 858-359 883-296	0.00%
14)	06-0072-0021-0000	Edward A. Hatcher, single	NPAR, LLC Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	815-411 827-284 858-359 883-284	0.00%
15)	06-0072-0021-0004	Howard W. Hatcher Jr., and Linda J. Hatcher, husband and wife	NPAR, LLC Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	817-516 827-284 858-359 883-296	0.00%
16)	04-0818-0003-0000	Bernice C. Hall, Trustee and Settlor under Trust dated March 14, 1995 Honora W. Hall, Trustee and Settlor under Trust dated March 14, 1995	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	14.00%	799-102 884-217 799-103 884-217	0.00%
17)	06-0072-0018-0000	Howard L. Minch and Beverly G. Minch, husband and wife	Great Lakes Energy Partners, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	12.50%	776-391 808-418 883-192	0.00%
18)	04-8171-0001-0000	Michael D. Oton, Sr. aka Michael Douglas Oton, single	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	824-329 884-705	0.00%
19)	04-817D-0033-0001	Sara Louise Jarrell, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	14.00%	838-759 884-789	0.00%
20)	04-817D-0031-0001	Anne K. Amrhein, widow (Life Estate), by her Attorney-in-Fact, Paul F. Amrhein, II, Carol A. Storm, Paul F. Amrhein, II, and JoAnn E. Moskar	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	848-208 883-77	0.00%
21)	04-817D-0031-0000	Anne K. Amrhein, widow (Life Estate), by her Attorney-in-Fact, Paul F. Amrhein, II, Carol A. Storm, Paul F. Amrhein, II, and JoAnn E. Moskar	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	848-208 883-77	0.00%
22)	04-817D-0030-0000	SWN Production Company, LLC (Company Owned Lands)	N/A	N/A	999-498	0.00%
23)	04-817D-0028-0000	Gerald A. Sovinski Ronald A. Sovinski	SWN Production Company, LLC SWN Production Company, LLC	18.00%	926-517 926-573	0.00%
24)	04-817D-0024-0000	Philip G. Kauram and Sandra S. Kauram, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	821-724 884-693	0.00%
25)	04-817D-0026-0000	Stella M. Bryan, single, and Kathleen J. Bryan, single	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	822-418 884-717	0.00%
26)	04-817D-0003-0000	Joe Barry and Jaymie Barry, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	821-729 884-693	0.00%
27)	04-817D-0005-0000	Stella M. Bryan, single, and Kathleen J. Bryan, single	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	822-418 884-717	0.00%
28)	04-817D-0001-0000	Michael D. Oton, Sr. aka Michael Douglas Oton, single	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	824-329 884-705	0.00%
29)	04-817-0034-0000	George Ogden Nutting aka G. Ogden Nutting, married, dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	844-18 883-37	0.00%
30)	04-817-0031-0000	John K. Grindley and Linda M. Grindley, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	824-334 884-705	0.00%
31)	04-817-0031-0000	John K. Grindley and Linda M. Grindley, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	824-334 884-705	0.00%
32)	04-817-0030-0000	Edward L. Peyton and Josef A. Peyton, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	808-287 883-403	0.00%
33)	04-817-0032-0000	Peter L. Culbert, married	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	818-465 884-681	0.00%
34)	04-817-0032-0003	Michael J. Orshler and Joan M. Orshler, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	806-741 883-367	0.00%
35)	04-817-0032-0001	James K. Crutchfield and Diana H. Crutchfield, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	808-202 883-403	0.00%
36)	10-W17D-0008-0002	Jessica Ymasu-Shirano, single	Chesapeake Appalachia, L.L.C.	18.00%	929-428	0.00%
37)	04-817-0072-0000	Karen E. Ward, aka Karen E. Kahle, married, dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	809-642 884-97	0.00%
38)	10-W17D-0008-0001	James B. Kapor and Lisa Anne Kapor, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	818-798 884-705	0.00%
39)	10-W17D-0009-0000	Laurance F. Good, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	18.00%	816-147 884-481	0.00%
40)	10-W17D-0007-0000	Edgerton Appalachia, LLC, by Bradley Carpenter, Authorized Signatory	SWN Production Company, L.L.C.	18.00%	908-589	0.00%
41)	04-817-0015-0000	Whetting Parks Commission and the City of Whetting	Chesapeake Appalachia, L.L.C. SWN Production Company, L.L.C.	14.00%	798-734 885-776	0.00%

END OF EXHIBIT "A"