

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Wednesday, August 08, 2018 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re:

Permit Modification Approval for RAYLE COAL OHI 206H

47-069-00270-00-00

Lateral Extension TMD 22,509'

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.

James A. Martin

Chief

Operator's Well Number: RAYLE COAL OHI 206H

Farm Name: RAYLE COAL COMPANY

U.S. WELL NUMBER: 47-069-00270-00-00

Horizontal 6A New Drill

Date Modification Issued: August 8, 2018

Promoting a healthy environment.

WW-6B (04/15) API NO. 47-069 - 00270 MOD

OPERATOR WELL NO. Rayle Coal OHI 206H
Well Pad Name: Rayle Coal OHI PAD

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

1) Well Operator: SWN Production Co., LLC 49451	2924 069-Ohio 5- Richla 641- Tiltonsville
	tor ID County District Quadrangle
2) Operator's Well Number: Rayle Coal OHI 206H	Well Pad Name: Rayle Coal OHI PAD
3) Farm Name/Surface Owner: Rayle Coal Company	Public Road Access: Huffs Run Road
4) Elevation, current ground: 1064' Elevation,	proposed post-construction: 1064'
5) Well Type (a) Gas X Oil	Underground Storage
Other	
(b)If Gas Shallow X	Deep
Horizontal X	d-000
6) Existing Pad: Yes or No Yes	() Tell 5.7.18
 Proposed Target Formation(s), Depth(s), Anticipated T Target Formation-Marcellus, Down-Dip Well to the South, Target Top TVD- 5935', 	
8) Proposed Total Vertical Depth: 5957'	
9) Formation at Total Vertical Depth: Marcellus	
10) Proposed Total Measured Depth: 22,509'	
11) Proposed Horizontal Leg Length: 15,816.32'	
12) Approximate Fresh Water Strata Depths: 291'	
13) Method to Determine Fresh Water Depths: Nearby	Water Well
14) Approximate Saltwater Depths: 556' Salinity Profile	Analysis
15) Approximate Coal Seam Depths: 237'	
16) Approximate Depth to Possible Void (coal mine, kars	t, other): Possible Void 237'
17) Does Proposed well location contain coal seams	N. Y
directly overlying or adjacent to an active mine?	
(a) If Yes, provide Mine Info: Name:	RECEIVED Office of Oil and Gas
Depth:	MAY 2 4 2018
Seam:	WV Department of
Owner:	LIMIGINIERIALITOCONON

WW-6B (04/15) API NO. 47- 069 - 00270mop OPERATOR WELL NO. Rayle Coal OHI 206H

Well Pad Name: Rayle Coal OHI PAD

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	H-40	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	350'	350'	349 sx/CTS
Coal							
Intermediate	9 5/8"	New	J-55	36#	1731'	1731'	673 sx/CTS
Production	5 1/2"	New	HCP-110	20#	22,509'	22,509'	lead 883 sx Tail 3728 sx/ 100 inside inter
Tubing							
Liners							

1	000		
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TYPE	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement <u>Yield</u> (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Intermediate	7"	8 3/4"	0.317	4360	3250	Class A	1.20/50% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/50% Excess
Tubing							
Liners							

PACKERS

Kind:		
Sizes:		
Depths Set:		

WW-6B	
(10/14)	

00270 men API NO. 47- 069 -

OPERATOR WELL NO. Rayle Coal OHI 206H Well Pad Name: Rayle Coal OHI PAD

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. The well is produced through surface facilities consisting of high pressure production unites, vertical separation units, water and oil storage tanks. Max press and anticipated max rate- 9000 lbs @ 100 barrels a minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 15.81 22) Area to be disturbed for well pad only, less access road (acres): 3.40 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:

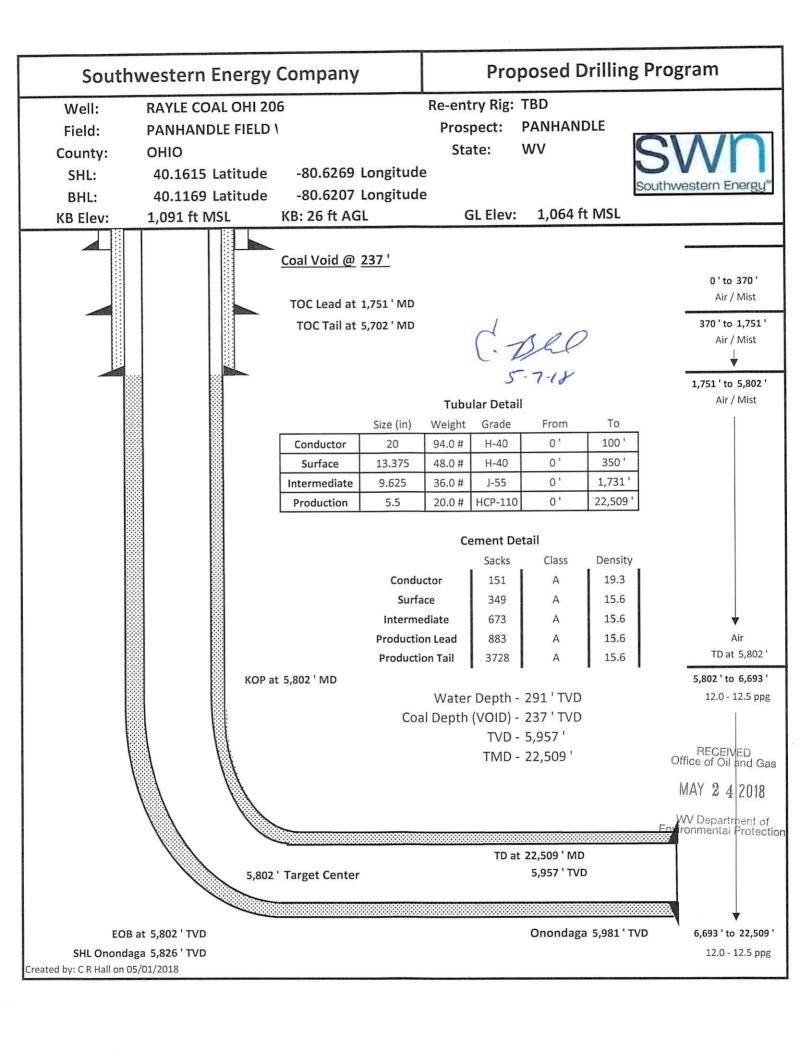
See Attachment ***

25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and MAY 2 4 2018 continuing until operator is satisfied with borehole conditions.

WV Department of Environmental Protection

^{*}Note: Attach additional sheets as needed.





SWN Production Company, LLC

179 Innovation Drive Jane Lew, WV 26378 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

August 7, 2018

Ms. Laura Adkins Office of Oil & Gas 601 57th Street Charleston, WV 25304

RE: Proposed New Well Rayle Coal OHI 206H

Dear Ms. Adkins

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 Rayle Coal's property, in Richlad 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

Regulatory Analyst

Southwestern Energy Production Company, LLC

R2 AV+°

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

WW-6A1 (5/13)

Operator's Well No. Rayle Coal OHI 206H

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"

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: John Startz, Senior Staff Landman

Page 1 of 1

EXHIBIT "A"

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 Rayle Coal OHI 206H

Ohio County, West Virginia

#	TMP	LEASE #	LESSOR	LESSEE	ROYALTY	BK/PG
1)	4-R6-17.4	728448-000	Rayle Coal Company, an Ohio Corporation	Chesapeake Appalachia, L.L.C.	18.00%	808/335
				SWN Production Company, LLC		883/403
2)	4-R6-17	728446-000	Rayle Coal Company, an Ohio Corporation	Chesapeake Appalachia, L.L.C.	18.00%	808/336
				SWN Production Company, LLC		883/403
3)	4-R6-37	730059-000	Marc and Kristen Seamon, husband and wife	Great Lakes Energy Partners, L.L.C.	12.50%	781/534
				Chesapeake Appalachia, L.L.C.		808/455
				SWN Production Company, LLC		884/169
4)	4-R6-19.4	736107-000	Luke A Sisarcick, a married man dealing in his sole and	Chesapeake Appalachia, L.L.C.	18.00%	826/791
			separate property	SWN Production Company, LLC		884/717
5)	4-R6-37.1	730059-000	Marc and Kristen Seamon, husband and wife	Great Lakes Energy Partners, L.L.C.	12.50%	781/534
				Chesapeake Appalachia, L.L.C.		808/455
				SWN Production Company, LLC		884/169
6)	4-R9-22.2	730381-000	David M Ziegler, a married man dealing in his sole and	Chesapeake Appalachia, L.L.C.	18.00%	814/710
			separate property; and Danny J Ziegler, a married man	SWN Production Company, LLC		884/193
			dealing in his sole and separate property			
7)	4-R9-9	727678-000	Jordan Weber and Gayle Weber, husband and wife	Chesapeake Appalachia, L.L.C.	14.00%	804/175
				SWN Production Company, LLC		883/451
		18-01965	Sue A. Callow by Troy J. Callow as POA, a widow	SWN Production Company, LLC	16.00%	939/66
8)	4-R9-12	736111-000	Nicholas P Klamut, a single man	Chesapeake Appalachia, L.L.C.	18.00%	826/779
				SWN Production Company, LLC		884/717
		18-01965	Sue A. Callow by Troy J. Callow as POA, a widow	SWN Production Company, LLC	16.00%	939/66
9)	4-R9-5.1	736144-000	Mark W Kettler and Deborah L Kettler, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	826/132
				SWN Production Company, LLC		884/717
10)	4-R9-7	736144-000	Mark W Kettler and Deborah L Kettler, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	826/132
				SWN Production Company, LLC		884/717

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Ohio County, West Virginia

11)	4-R9-5.2	737598-000	Monroe Racing, Inc., A West Virginia Corporation	Chesapeake Appalachia, L.L.C.	18.00%	841/174
			·	SWN Production Company, LLC		885/13
12)	4-R9-3.5	731403-001	The LaDonna Martin-Evans Living Trust, by LaDonna Martin-	- Chesapeake Appalachia, L.L.C.	18.00%	814/265
			Evans, Trustee	SWN Production Company, LLC		884/469
		745444-001	Robert O. Rogers, married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	902/502
		745444-002	Ohio Valley Medical Center, Inc.; The Parks System Trust Fund of Wheeling; Children's Home of Wheeling, Inc.;	SWN Production Company, LLC	18.00%	908/708
			Elmhurst, the House of Friendship, Inc., Vance Memorial			
			Presbyterian Church; Young Women's Christian Association			
			of Wheeling, W. Va., Inc.			
Ì		745444-004	Wheeling Young Men's Christian Association	SWN Production Company, LLC	18.00%	926/700
13)	4-R9-3.4	745444-001	Robert O. Rogers, married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	902/502
		745444-002	Ohio Valley Medical Center, Inc.; The Parks System Trust Fund of Wheeling; Children's Home of Wheeling, Inc.; Elmhurst, the House of Friendship, Inc., Vance Memorial Presbyterian Church; Young Women's Christian Association of Wheeling, W. Va., Inc.	SWN Production Company, LLC	18.00%	908/708
		745444-004	Wheeling Young Men's Christian Association	SWN Production Company, LLC	18.00%	926/700
		17-17726	Beth Anne Ross, dealing in her own and separate property	SWN Production Company, LLC	16.00%	931/60
14)	4-R9-27	724889-001	Sybil P Friedrichs, acting as Trustee of the Howard W	Chesapeake Appalachia, L.L.C.	12.50%	792/572
			Friedrichs Revocable Trust Agreement dated 5th of August, 1995	SWN Production Company, LLC		885/776

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Ohio County, West Virginia

			Onio County, West Virginia			
		745444-001	Robert O. Rogers, married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	902/502
		745444-004	Wheeling Young Men's Christian Association	SWN Production Company, LLC	18.00%	926/700
		745444-002	Ohio Valley Medical Center, Inc.; The Parks System Trust Fund of Wheeling; Children's Home of Wheeling, Inc.; Elmhurst, the House of Friendship, Inc., Vance Memorial Presbyterian Church; Young Women's Christian Association of Wheeling, W. Va., Inc.	SWN Production Company, LLC	18.00%	908/708
15)	4-R9-1	724889-001	Sybil P Friedrichs, acting as Trustee of the Howard W	Chesapeake Appalachia, L.L.C.	12.50%	792/572
			Friedrichs Revocable Trust Agreement dated 5th of August, 1995	SWN Production Company, LLC		885/776
		745444-001	Robert O. Rogers, married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	902/502
		745444-004	Wheeling Young Men's Christian Association	SWN Production Company, LLC	18.00%	926/299
		745444-002	Ohio Valley Medical Center, Inc.; The Parks System Trust Fund of Wheeling; Children's Home of Wheeling, Inc.; Elmhurst, the House of Friendship, Inc., Vance Memorial Presbyterian Church; Young Women's Christian Association of Wheeling, W. Va., Inc.	SWN Production Company, LLC	18.00%	908/708
16)	4-R9-2	731191-000	William H Reuther and Carol L Reuther, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	814/259 884/445
17)	4-R9-1.3	73796-0000	Charles J Heinlein and Ellen L Heinlen, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	821/689
			·	SWN Production Company, LLC		884/693
18)	4-R12-19.34	18-00117	Resource Minerals Headwater II, LP	SWN Production Company, LLC	18.00%	937/295

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Ohio County, West Virginia

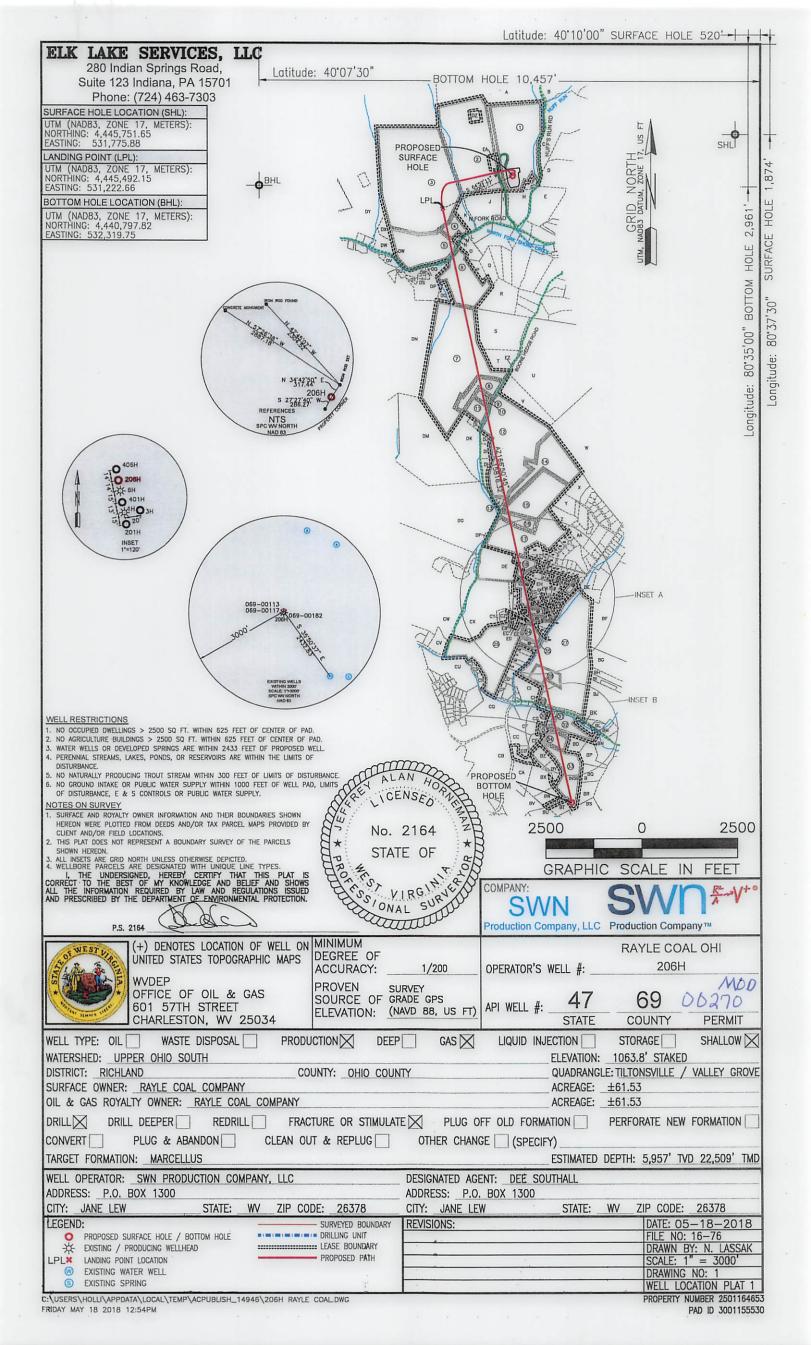
19)	4-R12-19	735735-000	Frank Fedorka, Co-Trustee of the Frank Fedorka Trust of	Chesapeake Appalachia, L.L.C.	18.00%	818/362
			1993	SWN Production Company, LLC		884/693
20)	4-R12-19.35	16-02737	Dennis E. Lawther and Anna Marie Lawther, his wife	SWN Production Company, LLC	16.00%	931/126
21)	4-R12-20	729400-000	Ruth Ann Henry, a widow	Chesapeake Appalachia, L.L.C.	18.00%	810/313
				SWN Production Company, LLC		884/121
22)	4-R12-21	729399-000	Ruth Ann Henry, a widow	Chesapeake Appalachia, L.L.C.	18.00%	810/689
				SWN Production Company, LLC		884/121
23)	4-R12-21.1	747268-000	Edward A. Woods and Kathy L. Woods, husband and wife	SWN Production Company, LLC	14.00%	924/28
24)	4-R12-22	747366-000	Lawrence William Witzberger, III and Jacquelyn Main Witzberger, his wife	SWN Production Company, LLC	17.00%	930/510
25)	4-R12-23.8	16-02720	Michael L. Baron and Kathy D. Baron, his wife	SWN Production Company, LLC	16.00%	929/315
26)	4-R12-23.15	735179-000	Harry A. Rumis, Jr. and Edith J. Rumis, Trustees of the Rumis	Chesapeake Appalachia, L.L.C.	18.00%	867/664
			Revocable Trust	SWN Production Company, LLC		884/669
27)	4-R12-35	731351-000	John P. Welty, a married man dealing in his sole and	Chesapeake Appalachia, L.L.C.	18.00%	813/441
			separate property	SWN Production Company, LLC		884/457
28)	4-R12-35.1	16-02726	David Boyce Gano and Mary Ellen Gano, husband and wife	SWN Production Company, LLC	18.00%	932/409
29)	4-R12-32	16-02735	Beverly J. Kalo, a/k/a Beverly Jean Luzader, a married woman deal in her own and separate property	SWN Production Company, LLC	14.00%	929/213
30)	4-R12-33	746285-000	Christopher L. Harto & Cory Leah Harto, husband and wife	SWN Production Company, LLC	14.00%	917/234
31)	4-R12-34	746284-000	Andrew J. Peklinsky & Jennifer Peklinsky, husband and wife	SWN Production Company, LLC	14.00%	917/249
32)	4-R12-44	746309-000	Kathleen E. Taylor, a married woman dealing in her sole separate property & Kevin J. Taylor, a single man	SWN Production Company, LLC	14.00%	918/239

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Ohio County, West Virginia

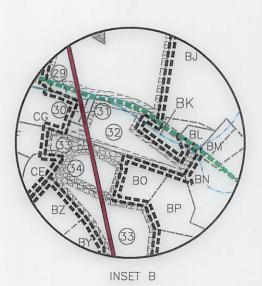
33)	4-R12-45	726777-000	John A. Tarr, IV, a married man dealing in his sole and	Chesapeake Appalachia, L.L.C.	14.00%	799/600
			separate property	SWN Production Company, LLC		884/217
34)	4-R12-45.11	17-12457	Jessica Ybanez-Morano, a single woman	SWN Production Company, LLC	18.00%	929/434
35)	Bethany Pike	732590-000	West Virginia Department of Transportation, Division of	Chesapeake Appalachia, L.L.C.	15.00%	830/11
			Highways	SWN Production Company, LLC		883/611



ELK LAKE SERVICES, LLC

280 Indian Springs Road, Suite 123 Indiana, PA 15701 Phone: (724) 463-7303





INSET A

	WELL BORE TABLE FOR SURFACE / ROYA	LTY OWNERS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	
1	RAYLE COAL COMPANY (S/R)	4-R6-17.4	
TRACT	SURFACE OWNER	TAX PARCEL	
2	RAYLE COAL COMPANY	4-R6-17	
3	SEAMON MARC	4-R6-37	
4	SISARCICK LUKE A	4-R6-19.4 4-R6-37.1	
5	SEAMON MARC		
6	DAVID M ZIEGLER AND DANNY J ZIEGLER	4-R9-22.2	
7	WEBER JORDAN & GAYLE	4-R9-9	
В	KLAMUT NICHOLAS P	4-R9-12	
9	MARK W AND DEBORAH L KETTLER	4-R9-5.1	
10	MARK W AND DEBORAH L KETTLER	4-R9-7	
11	LOGAN E HOPKINS	4-R9-5.2	
12	STACY D EVANS	4-R9-3.5	
13	KENNEDY BETH ANNE	4-R9-3.4	
14	RCK 2 GROUP LLC	4-R9-27	
15	RCK 2 GROUP LLC	4-R9-1	
16	WILLIAM H AND CAROL L REUTHER	4-R9-2	
17	HARTLEY BRADFORD & NANNETTA	4-R9-1.3	
18	COTTRELL DOMINIC J & SHERRIE D	4-R12-19.34	
19	FEDORKA DELORES M TRUST OF 1993	4-R12-19	
20	LAWTHER DENNIS E & ANNA M	4-R12-19.35	
21	ELSWICK CARLEY J. & CHRISTOPHER M.	4-R12-20	
22	ELSWICK CARLEY & CHRISTOPHER	4-R12-21	
23	EDWARD A. AND KATHY L. WOODS,	4-R12-21.1	
24	LAWRENCE W. III & JACQUELYN M. WITZBERGER	4-R12-22	
25	BARON MICHAEL L AND KATHY D	4-R12-23.8	
26	RATCLIFFE MICHAEL T & MICHELLE LYNN	4-R12-23.15	
27	WELTY JOHN P	4-R12-35	
28	GANO DAVID BOYCE & MARY ELLEN	4-R12-35.1	
29	BEVERLY J. KALD	4-R12-32	
30	HARTO CHRISTOPHER L	4-R12-33	
31	PEKLINSKY ANDREW J	4-R12-34	
32	TAYLOR KATHLEEN E & KEVIN J	4-R12-44	
33	TARR JOHN A IV	4-R12-45	
34	YBANEZ-MORANO JESSICA	4-R12-45.11	
35	WEST VIRGINIA DEPARTMENT TRANSPORTATION, DIVISION OF HIGHWAYS	BETHANY PIKE	

В	WINDSOR COAL COMPANY	4-R5-12
C		4-R5-15
D	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-27.1
	GLADYS GOFF & WINDELL H. GOFF, II GLADYS GOFF & WINDELL H. GOFF, II	
E	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-24.3
	BRYAN STELLA M & BRYAN KATHLEEN J WINDSOR COAL COMPANY WOOD RICHARD A JR	4-R6-17.1
G	WINDSOR COAL COMPANY	4-R6-25
Н	WOOD RICHARD A JR	4-R6-24.6
1	WOOD EDITH M	4-R5-22
J	ENNIS LOUIS J JR & GRETCHEN L	4-R5-19.2
K	SISARCICK SEAN A	4-R6-19
L	DUNCIL STEPHEN	4-R6-20
м	CURRY SPENCER & SHERRY	4-R6-19.3
N	LOUGH PAMELA S	4-R6-19.1
0	DUNCH CITY C L C O	4-R9-22.1
P	DUNCIL STEVEN E & S D	
-	ZIEGLER DAVID M & MARY H	4-R9-22.22
Q	COTTRELL ALEXANDER S	4-R9-22.3
R	KELLAM CHARLES R & PHYLUS J MAIN DAVID B & L M MAIN DAVID B & L M	4-R9-22.10
S	MAIN DAVID B & L M	4-R9-10.1
T	MAIN DAVID B & L M	4-R9-10.1 4-R9-10
U	CAVENEY CLAIRE M	4-R9-3
V	WESPANION TRUIST & INVESTMENT COMPANIES	4-R9-16.1
W	RROWN LILLIAN W TRUST	3-L4-1.1
X	DAIAV CLADV & SHADON I	
Ŷ	PAJAK CLARK & SHARON L JOHNSON JUDY K HART MARY ANN	4-R9-28
7	JUHNSON JUUT K	4-R9-29 4-R9-29.1
Z	HAKI MAKT ANN	4-R9-29.1
AA	HUGHES DONALD P & M E	4-R9-32
AB	GREATHOUSE WILLIAM J & SUSAN M	4-R12B-10.7
AC	JACKLYN M SEXTON FICCA RONALD J & CHAMBERS J L GAVIN O RICKETTS	4-R12B-10.1
AD	FICCA RONALD J & CHAMBERS J L	4-R12B-10.4
AE	GAVIN O RICKETTS	4-R12B-10.2 4-R12B-10.2
AF	RODRIGUEZ EUSEBIO ELVESTROM	4-R12B-10.2
AG	HARTLEY BRADFORD & NANNETTA	4-R9-1.4
AH	HARTLEY BRADFORD & NANNETTA	4-R9-1.2
Al		
	HARTLEY BRADFORD & NANNETTA	4-R9-1.6
AJ	GARRISON MICHELLE	4-R9-1.5
AK	ERIC AND JENNIFER WODESKY ANDERSON NIKKI ANN & MICHAEL DAVID JAMES RALPH I & CLARA L. GARCIA	4-R12-19.41 4-R12-19.43
AL	ANDERSON NIKKI ANN & MICHAEL DAVID	4-R12-19.43
AM	JAMES RALPH I & CLARA L GARCIA	4-R12B-10.1
AN	MOORE MITCHELL & SANDRA	4-R12-19.29
AO	MOORE MITCHELL J & SANDRA	4-R12-19.28
AP	BAKAITIS BRIAN S	4-R12-19.24
AQ		4-D12-10-26
	KNIGHT JEFFREY M & KRISTEN M	4-R12-19.25 4-R12-19.23
AR AS	KUBOVICZ SUSAN K	4-R1Z-19.2.
	SHORT LUKE A & KUCERA-SHORT JENNIFER L SHORT LUKE A & KUCERA-SHORT JENNIFER L	4-R12-19.20
AT	SHORT LUKE A & KUCERA-SHORT JENNIFER L	4-R12-19.17
AU	STUDIT LOKE A WE KUCERA-STUDIT LENNIE MET GARY ALEN, JR. AND WHITNEY MARIE NOEL NASH DANN JEREMAN & JENNIFER SPARKS KENN T & KELLY L MARWN JACK R JR & S L LUGAS RICHARD J & KRISTEN L	4-R12-19.19
AV	GART ALLEN, JR. AND WHITNET MARIE NOEL NASH	4-R12-19.38
AW	DANN JEREMIAH & JENNIFER	4-R12-19.11 4-R12-19.7
AX	SPARKS KEVIN T & KELLY L	4-R12-19.7
AY	MARVIN JACK R JR & S L	4-R12-19.14
AZ	LUCAS RICHARD J & KRISTEN L	4-R12-19.4
BA	TIERRA HOME OWNERS ASSOCIATION	4-R12-19.33
BB	WITZBERGER LAWRENCE IV	4-R12-19.5
BC	WITZBERGER NANCY	4-R12-23.2
BD	OHIO COUNTY PUBLIC SERV DIST	4-R12-35.3
BE	RITA A. CASTLE	4-R12B-1.3
BF	MICHAEL JAMES HALL (LIFE ESTATE) CYNTHIA ANN HALL DICKERSON, CHAROLETT SUZANNE HALL (REMAINDERMAN)	3-L7-21.1
BG	MELISSA MEALY & JENNA PETRI	4-R12-39
BH	MCKENZIE RONALD M & DEBORAH	4-R12-39.1
BI	CALDWELL JEFFREY WAYNE	4-R12-40.1
BJ	JELLEN ELIZABETH M	4-P12-41
BK		4-R12-43
BL	DNR PROPERTIES, LLC	4-R12-41.2
BM	DINICUADY IAMES D ID	4-R12-41.1
BN	RINEHART JAMES R JR DENT SARA R & DAVID A	
BO		4-R12-45.2
	TENNANT JEFFREY AND ANGELA M SMITH LLOYD DALE II & KAREN L MILLER TY E & TEENA Y	4-R12-45.7
BP	SMITH LLUTU DALE II & KAREN L	
BQ	MILLER TY E & TEENA Y	4-R12-45.5
BR	PHILLIPS TINA L & PADDEN ELIZABETH A	4-R12-45.8
BS	VINCENT C AND KRISTEN A DECARIO	
	VINCENT G. AND KRISTEN A. DECARLO	4-R12-45.3
BT	BROWN GILBERT ALLAN & LUCILLE ELIZABETH BROWN G ALLAN & L E	4-R12-45.4 4-R12-47
BU	BROWN G ALLAN & L E	4-R12-47
BW	ROBERT AND PATRICIA WEISS 2016 IRREVOCABLE TRUST	4-R12-45
	WEISENBORN KERRIE	4-R12-45.1
BX BY	WEISENBORN KERRIE TARR CHRISTOPHER & CHRISTINE NUGENT JOAN S	4-R12-45.14 4-R12-45.6

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	TARR JOUN A M & FARRINA M	A DID AE IT
BZ	TARR JOHN A IV & SABRINA M	4-R12-45.13
CA	LECHNER JONATHAN D	4-R12-45.12
CB	MULL W QUAY II TRUST	4-R12-12
CC	RIES RYAN & WASSAM DANIELLE JOHN A. TARR, III FAMILY TRUST	4-R12-45.20 4-R12-45.9 4-R12-45.19
CD	JOHN A. TARR, III FAMILY TRUST	4-R12-45.9
CE	BAROSSO CARL & GIACOMAZZA MARIE	4-R12-45.19
CF	NOEL KAREN & YOCUM SCOTT R	4-K12-45.1/
CG	HENRY LORI J C/O HENRY'S SERVICE STATION	4-R12-31
CH	REAM ANN E GORNEY MARY M (LIFE ESTATE) & TAGG KATHLEEN G GORNEY	4-R12-31 4-R12-30
CI	GORNEY MARY M (LIFE ESTATE) &	
357	TAGG KATHLEEN G GORNEY	4-R12-24
CJ	CIARROCCHI GLORIA J	4-R12-23.4
CK	PAUGH LARRY E	4-R12-23.4 4-R12-23.9
CL	ICDDIA C & DITTENDEDO D & O'DELL I	4-R12-23.5
	DARKE WATTHEW I & TICHA I	4-R12-23.5
CM	PAREE MATTHEW J & TISHA L RUMIS HARRY A JR AND EDITH J PAGE BRAN K & STACEY L HENRY LORI JEAN	4-R12-23.6 4-R12-23
CN	KUMIS HARRT A JR AND EDITH J	4-R12-23.7
CO	PAGE BRIAN K & STACEY L	4-R12-23.7
CP	HENRY LORI JEAN	4-R12-23.14
CO	HENRY LORI JEAN	4-R12-7
CR	DONALDSON KARYL LEE	4-R12-15 4-R12-23.3
CS	DeFRANCO DAVID P & KRISTY A.	4-R12-23.3
CT	DONALDSON KARYL LEE DeFRANCO DAVID P & KRISTY A. DeFRANCO DAVID PATRICK & KRISTY ANN	4-R12-17
	SMITH SEAN P & KATIF M	A_D19F_93
CU	BUAKE III	4-R12-5
CV	SMITH SEAN P & KATIE M RELYKS LLC JOSEPH ELIAS	4-R12-5 4-R12-1
CW	DODEDL E TONES TARIO AUTON	4-R12-18
CX	ROBERT E JONES LIVING TRUST	4-R12-18
CY	HARRIMAN DANIEL & M HARRIMAN DANIEL & M	4-R12-18.2 4-R12-18.1
CZ	HARRIMAN DANIEL & M	4-R12-18.1
DA	KEDING STEPHEN E & DEBORAH E MARSH BENJAMIN A	4-R12-19.21 4-R12-19.3
DB	MARSH BENJAMIN A	
DC	RHOME DANIEL D & WENDY L COLUMBIA GAS TRANSMISSION CORP COTTRELL DOMINIC J & SHERRIE D	4-R12-19.45
DD	COLUMBIA GAS TRANSMISSION CORP	4-R12-19.1 4-R12-19.30
	COTTRELL DOMINIC J & SHERRIE D	4-R12-19.30
DE	TAGGART GREGORY	4-R9-50
DF		
DG	TUNNEL RIDGE LLC C/O PROPERTY TAX	4-RB-61.4
DH	WHOLE BUILDING TO SERVE HEREBURG	4-R9-3.7
	KNIGHT WILLIAM ISAAC & SEKTICH MEREDITH	4-89-3.7
DI	KNIGHT WILLIAM ISAAC & SERTICH MEREDITH HOPKINS LEWIS R JR & R F	4-R9-3.3
DJ	LEWIS R AND ROSEANN F HOPKINS	4-R9-4
DK	HOPKINS LEWIS R JR & ROSEANN F	4-R9-5
DL	HOPKINS LEWIS R JR & ROSEANN	4-R9-8
DM	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA	4-R8-61
DN	AMERICAN DISPOSAL SERVICES	4-RB-15
DO	PERRY HELEN M (LIFE); ET AL	4-R9-14.1
	DEDDY UPLEN M (UPE), ET AL	4-DD-14.7
DP	PERRY HELEN M (UFE); ET AL	4-R9-14.2 4-R9-14.5
DQ DR	PERRY JAMES W & TERESA L PERRY JAMES W & TERESA L	4-R9-14.5
DR	PERRY JAMES W & TERESA L	
DS	PERRY LEWIS A JR AND SHARON	4-R9-14.7
DT	SMITH LUTHER R JR & E L	4-R9-14.4
DU	SMITH LUTHER R JR & E L SMITH LUTHER R JR & E L	4-RB-18.1
DV	SMITH LUTHER R JR & E L	4-R8-18.3
DW	SHORT CREEK METHODIST EPISCOPAL CHURCH	4-R5-60
DX	SHORT CREEK CEMETERY ASSOCIATION TRUSTEES	4-R5-57
DY	SHORT CREEK CEMETERY ASSOCIATION TRUSTEES BOARD OF COMM OHIO CO	4-R5-55
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DZ	WESBANCO BANK INC. RAYLE COAL COMPANY (S/R)	4-R6-17.5 4-R6-17.2
EA	MENDELSON MATTHEW D & CHAPON D	4-812-23 1
EB	MENDELSON MATTHEW D & SHARON R	4-R12-23.10
EC	MENDELSON MATTHEW D & SHARON R MATTHEW D. AND SHARON R. MENDELSON	4-R12-23.1. 4-R12-23.1. 4-R12-23.1
ED	MATTHEW D. AND SHARON R. MENDELSON	4-R12-23.1
EE	MENDELSON MATTHEW D & SHARON R	4-R12-23.1
EF	BROADWATER FRANCINE	4-R12-19.4
EG	ELSWICK CARLEY J. & CHRISTOPHER M.	4-R12-19.2
EH	ELSWICK CARLEY.). & CHRISTOPHER M. BROADWATER TRAVIS BROADWATER TRAVIS J & JENNA N RICO A COVILLE & TRACY C HIBBS—COVILLE RICA & COVILLE & TRACY C HIBBS—COVILLE	4-R12-19.25 4-R12-19.35
EI	BROADWATER TRAVIS J & JENNA N	4-R12-19.39
EJ	RICO A COVILLE & TRACY C HIBBS-COVILLE	4-R12-19.38
EK	RICO A COVILLE & TRACY C HIBBS—COVILLE RICO A COVILLE & TRACY C HIBBS—COVILLE RICO A COVILLE & TRACY C HIBBS—COVILLE CARNEY MICHAEL B & KERRYN M CARNEY MICHAEL B & KERRYN M GRIBER ALFX J & AMANDA J	4-R12-19.27
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EL	CARRIES MICHAEL B & MERRALL O	4-R12-19.3
EM	CADAINY MICHAEL B & RERRIN M	
EN	CARNET MICHAEL B & KEHRTN M	4-R12-19.6
EO	GRUBER ALEX J & AMANDA L EDGMON DENA M.	4-R12-19.4
EP	EDGMON DENA M.	4-R12-19.18
EQ	GEORGE KATHLEEN A BURKEY MICHAEL PAUL & ASHLEE A MULL RICHARD C & D LONG BRIAN K & STACEY M	4-R12-19.1
ER	BURKEY MICHAEL PAUL & ASHLEE A	4-R12-19.9
ES	MULL RICHARD C & D	4-R12-19.10
ET	LONG BRIAN K & STACEY M	4-R12-19 1
	LONG BRIAN K & STACEY M JACKSON HOLE PROPERTIES LLC	4-R12-19.1. 4-R12-19.1.
EV	YAHN CHRISTOPHER A & JACOUELINE	4-R12-19.2
	YAHN CHRISTOPHER A & JACQUELINE	4 D12 19.2
EW	TAMN CHRISTOPHER A & JACQUELINE	4-R12-19.3 4-R12-19.4
EX	YAHN CHRISTOPHER A & JACQUELINE WOLF THOMAS J & JUDITH K WOLF THOMAS J & JUDITH K	4-R12-19.4
EY	WOLF THOMAS J & JUDITH K	
EZ	CAVENEY CLAIRE M	4-R9-10.2

REVISIONS:		SWN Production Company, LLC	SW Production Con	npany™
	OPERATOR'S WELL #:	RAYLE COAL 206H		DATE: 05-18-2018 FILE NO: 16-76 DRAWN BY: N. LASSAK
	DISTRICT: RICHLAND	COUNTY: OHIO COUNTY	STATE: WV	SCALE: N/A DRAWING NO: 1 WELL LOCATION PLAT 1
C:\USERS\HOLLI\APPDATA\LOCAL\TEMP\ FRIDAY MAY 18 2018 12:54PM	ACPUBLISH_14946\206H RAYLE COAL.DWG			PROPERTY NUMBER 250116465 PAD ID 300115553

