

#### 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

#### Friday, January 17, 2020 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC **POST OFFICE BOX 12359** 

SPRING, TX 773914954

Re:

Permit Modification Approval for EDWARD DREMAK OHI 210H

47-069-00320-00-00

Modified Lateral to a TMD of 21,694'.

#### 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: EDWARD DREMAK OHI 210H

Farm Name: ANDREW JOHN EVICK

U.S. WELL NUMBER: 47-069-00320-00-00

Horizontal 6A New Drill

Date Modification Issued: January 17, 2020

Promoting a healthy environment.

# 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 5-Richlag 641-Tiltonsville &
Operator ID County District Quadrangle
2) Operator's Well Number: Edward Dremak OHI 210H Well Pad Name: Edward Dremak OHI
3) Farm Name/Surface Owner: Andrew John Evick Public Road Access: Waddells Run Road
4) Elevation, current ground: 1088' Elevation, proposed post-construction: 1088'
5) Well Type (a) Gas X Oil Underground Storage
Other
(b)If Gas Shallow X Deep
Horizontal X
6) Existing Pad: Yes or No Yes Yes Yes Yes
7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  Target Formation-Marcellus, Down-Dip Well to the South, Target Top TVD-5903', Target Base TVD-5953', Anticipated Thickness-50', Associated Pressure-3870
8) Proposed Total Vertical Depth: 5941'
9) Formation at Total Vertical Depth: Marcellus
10) Proposed Total Measured Depth: 21,694'
11) Proposed Horizontal Leg Length: 15104.56'
12) Approximate Fresh Water Strata Depths: 259'
13) Method to Determine Fresh Water Depths: Nearby Spring
14) Approximate Saltwater Depths: 377' Salinity Profile Calculation
15) Approximate Coal Seam Depths: 270'
16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 270'
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:

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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#	343'	343'	343 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1633'	1633'	639 sx/CTS
Production	5 1/2"	New	HCP-110	20#	21,694'	21,694	kate 77 tsurTat 3692sx/ 100' Inside Insur
Tubing							
Liners							

1 100	
C-000	12.5.19

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	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% 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:	

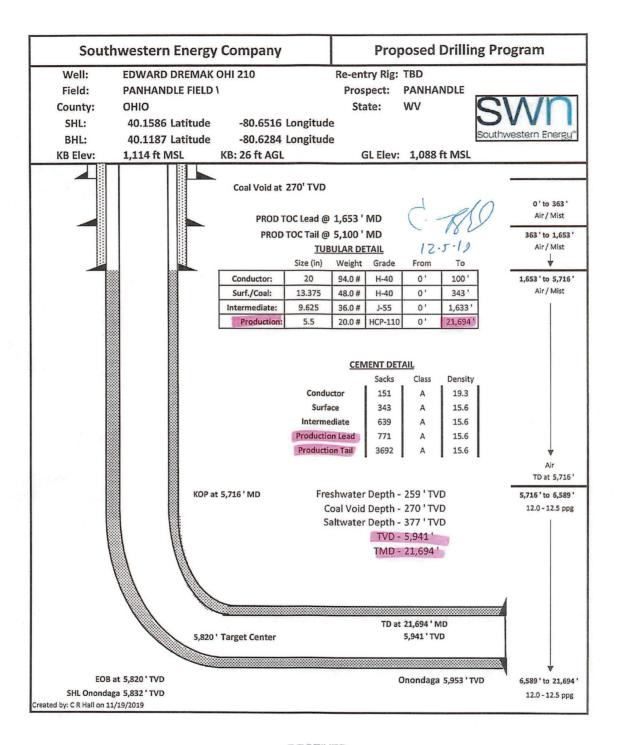
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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:
Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- 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, horizontal 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): 23.7
22) Area to be disturbed for well pad only, less access road (acres): 8
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.
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WW-6A1 (5/13)

Operator's Well No. Edward Dremak OHI 210H

#### 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 D. Startz, Technical Expert Landman

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WV Department of Environmental Protection

#### EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, W-6A1, by SWN Production Company, LLC, Operator Edward Dremak OHI 210H
Ohio County, West Virginia

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG
1)	4-R5-54	Edward W. Dremak and Joanne V. Dremak, husband and wife	Chesapeake Appalachia, L.L.C.	16.75%	810/722
			SWN Production Company, LLC		884/121
2)	4-R5-49	Edward W. Dremak and Joanne V. Dremak, husband and wife	Chesapeake Appalachia, L.L.C.	16.75%	810/673
	***		SWN Production Company, LLC		884/109
3)	4-R8-8.1	Noble Energy, Inc.	SWN Production Company, LLC	18.00%	920/1
4)	4-R5-10	The Board of Commissioners of Ohio County a/k/a The County	Chesapeake Appalachia, L.L.C.	18.00%	802/742
		Commission of Ohio County	SWN Production Company, LLC		883/415
5)	4-R5-55	The Board of Commissioners of Ohio County a/k/a The County	Chesapeake Appalachia, L.L.C.	18.00%	802/742
		Commission of Ohio County	SWN Production Company, LLC		883/415
6)	4-R8-15	American Disposal Services of West Virginia, Inc.	SWN Production Company, L.L.C.	16.00%	921/535
		Janet Agnew Debar, a widow	SWN Production Company, L.L.C.	14.00%	926/724
		Jean E. Leavitt, a single woman	SWN Production Company, L.L.C.	14.00%	926/735
		Julie A. Lowman Bryant, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	18.00%	928/546
		Mark Leavitt, a single man	SWN Production Company, L.L.C.	14.00%	926/718
		Martha E. Wakefield, a widow	SWN Production Company, L.L.C.	14.00%	931/339
		Sally Wakefield Westelin & Alan R. Westelin, wife and husband	SWN Production Company, L.L.C.	14.00%	926/741

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WV Department of Environmental Protection

# EXHIBIT "A" Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, W-6A1, by SWN Production Company, LLC, Operator Edward Dremak OHI 210H Ohio County, West Virginia

		Stephen Guy Lowman, a single man	SWN Production Company, L.L.C.	18.00%	928/525
		Thomas Leavitt, a single man	SWN Production Company, L.L.C.	14.00%	926/660
7)	4-R8-22	Tunnel Ridge, LLC	SWN Production Company, L.L.C.	17.00%	916/91
8)	4-R8-61	American Disposal Services of West Virginia, Inc, a Delaware Corporation	SWN Production Company, L.L.C.	16.00%	921/535
		James M. Taggart, a single man	SWN Production Company, L.L.C.	16.00%	926/112
		Shannon Wilds-Jones, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	16.00%	926/100
		Robert Daniel Taggart, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	16.00%	926/106
		John S Taggart, Sr, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	16.00%	929/190
		Catherine Cashmareck, a widow	SWN Production Company, L.L.C.	18.00%	933/559
		Barbara DeWitt, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	18.00%	937/670
		Linda Michelle McCloud, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	18.00%	937/661
		John A. Sikish and Lucinda Sikish, husband and wife	SWN Production Company, L.L.C.	18.00%	937/664
9)	4-R8-61.4	Tunnel Ridge, LLC	SWN Production Company, LLC	17.00%	916/91

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EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, W-6A1, by SWN Production Company, LLC, Operator Edward Dremak OHI 210H

Ohio County, West Virginia

		Catherine Cashmareck, a widow	SWN Production Company, L.L.C.	18.00%	933/559
		James M. Taggart, a single man	SWN Production Company, L.L.C.	16.00%	931/304
		John S. Taggart, Sr., a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	16.00%	931/347
		Robert Daniel Taggart, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	16.00%	931/281
		Shannon Wilds-Jones, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	16.00%	931/310
		Barbara Dewitt, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	18.00%	937/670
		Linda Michelle McCloud, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	18.00%	937/661
:		John A. Sikish and Lucinda Sikish, husband and wife	SWN Production Company, L.L.C.	18.00%	937/664
10)	4-R12-1	Elias Joseph, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	816/108 884/205
11)	4-R12-23.15	Harry A. Rumis Jr., and Edith J. Rumis, Trustees of the Rumis	Chesapeake Appalachia, L.L.C.	18.00%	867/664
		Revocable Trust dated November 22, 1999	SWN Production Company, LLC		884/669
12)	4-R12E-23.29	Fir Drive, LLC	American Petroleum Partners	18.00%	946/505
			Operating, LLC		971/600
			SWN Production Company, LLC		
13)	4-R12E-23	Andrew R. Cohen, a/k/a Andrew Cohen, a married man dealing	Chesapeake Appalachia, L.L.C.	18.00%	845/361
		in his sole and separae property	SWN Production Company, LLC		885/65
		Peggy Jo Cohen a/k/a Peggy Cohen, a single woman	Chesapeake Appalachia, L.L.C.	18.00%	845/355
			SWN Production Company, LLC		885/65

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Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, W-6A1, by SWN Production Company, LLC, Operator Edward Dremak OHI 210H

Ohio County, West Virginia

14)	4-R12J-45	Lynn M. Kaminski, a widow	Chesapeake Appalachia, L.L.C.	14.00%	840/139
			SWN Production Company, LLC		885/13
15)	4-R12-7	Phillip E. Withum and Mary Catherine Withum, husband and	Chesapeake Appalachia, L.L.C.	18.00%	811/301
		wife	SWN Production Company, LLC		884/157
16)	4-R12-13	Ramon H. Fagundo and Louann V. Fagundo, husband and wiffe	Chesapeake Appalachia, L.L.C.	18.00%	812/34
			SWN Production Company, LLC		884/169
17)	4-R12-12	W. Quay Mull, II, a married man dealing in his sole and separate	Chesapeake Appalachia, L.L.C.	14.00%	799/213
		property	SWN Production Company, LLC		884/217
					•

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SWN Production Company, LLC P O Box 12359 Spring, Texas 77391-2359 www.swn.com

December 5, 2019

Ms. Laura Adkins
West Virginia Department of Environmental Protection
Division of Oil and Gas Management
601 57<sup>th</sup> Street
Charleston, WV 25304

Subject:

Modification

SWN Production Company, LLC Farm Name: Andrew John Evick

Well Nos.: Edward Dremak OHI 210H

API Nos.: 47-069-00320

Richland District, Ohio County, West Virginia

Dear Ms. Adkins:

SWN Production Company, LLC ("<u>SWNPC</u>") hereby respectfully submits to the West Virginia Department of Environmental Protection (the "<u>Department</u>") the enclosed permit modification for our Edward Dremak OHI 210H well. The modification being requested is lengthening the lateral of the well.

Enclosed with this permit modification are the following documents, with the changes highlighted:

- Revised Form WW-6B, including the revised TVD, TMD, horizontal leg length and casing;
- Revised Well Bore Diagram;

kouski

- · A new mylar plat; and
- A new Form WW-6A1

If you have any questions, please do not hesitate to contact Brittany Woody at (304) 884-1613, or via email at brittany\_woody@swn.com.

Respectfully submitted,

Carla L. Suszkowski

Regulatory Manager

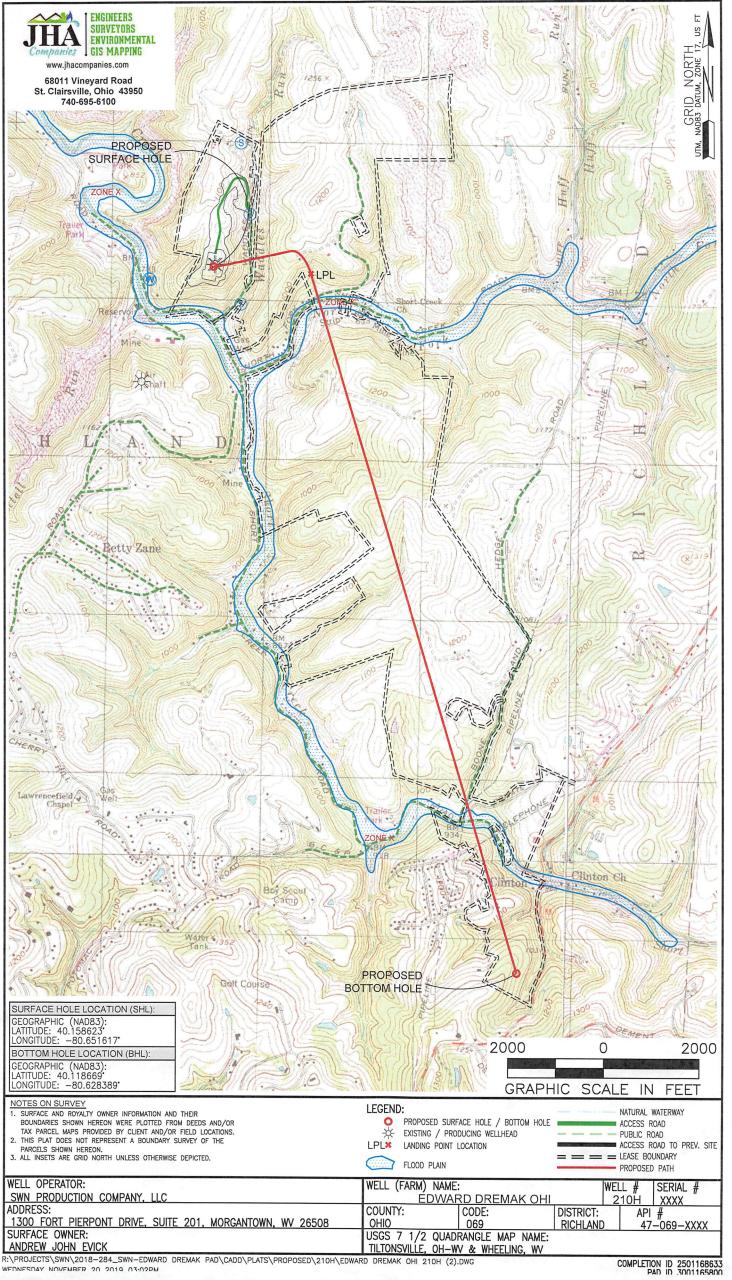
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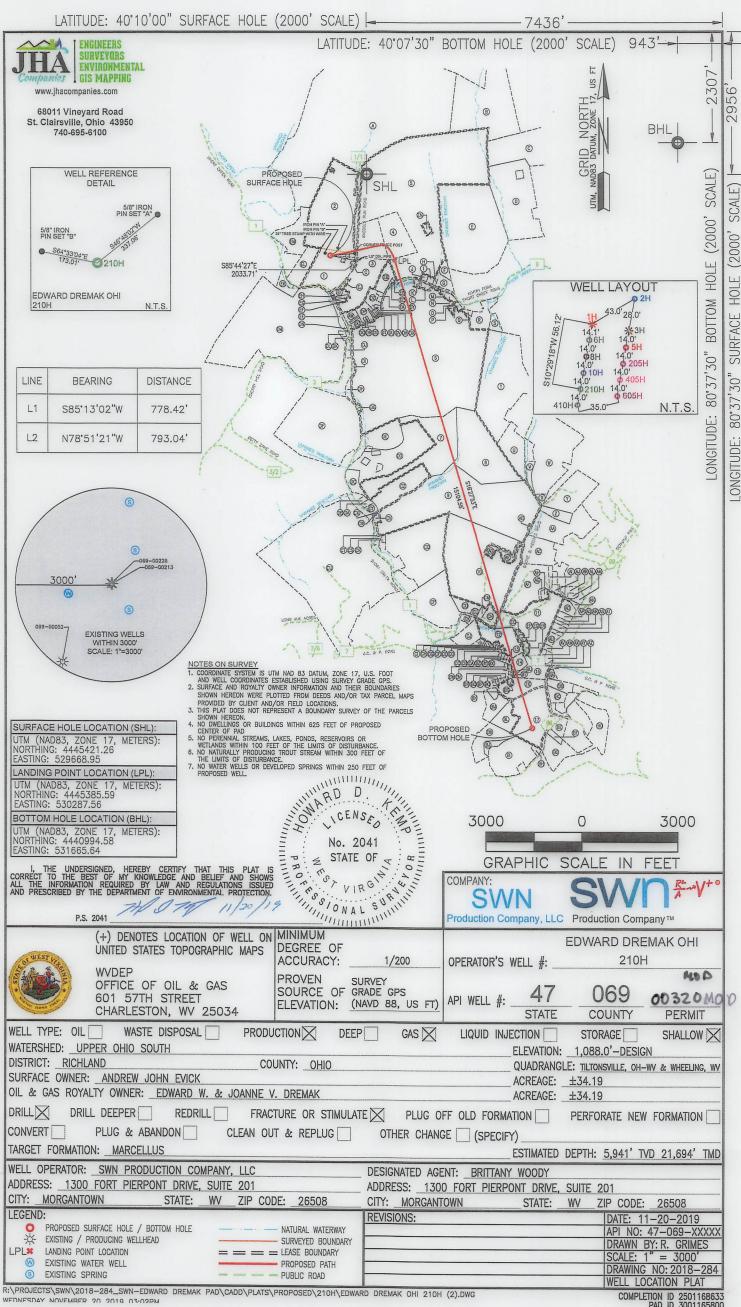
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WV Department of Environmental Protection



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





TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ANDREW JOHN EVICK (S) EDWARD W. & JOANNE V. DREMAK (R)	04-R5-54.0
TRACT	SURFACE OWNER	TAX PARCEL
2	EDWARD W. & JOANNE DREMAK	04-R5-49.0
3	WINDSOR POWER HOUSE COAL COMPANY	04-R8-08.1
4	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-10.0
5	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-55.0
6	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15.0
7	TUNNEL RIDGE, LLC	04-R8-22.0
8	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-61.0
9	TUNNEL RIDGE, LLC	04-R8-61.4
10	JOSEPH ELIAS	04-R12-01.0
11	MICHAEL THOMAS & MICHELLE LYNN RATCLIIFFE	04-R12-23.15
12	SEAN P. & KATIE M. SMITH	04-R12E-23.29
13	GREGORY J. & SHERRI L. POND	04-R12E-23.0
14	LYNN M. KAMINSKI	04-R12J-45.0
15	LORI JEAN HENRY	04-R12-07.0
16	MICHAEL S. & SHEILA M. LITTLE	04-R12-13.0
17	MULL W. QUAY, II TRUST	04-R12-12.0

RACT	ADJOINING OWNERS TABLE SURFACE OWNER	TAYBABOU
	OHIO COUNTY BOARD OF COMMISSIONERS	TAX PARCEI
A		04-R5-10.0
В	MARC SEAMON	04-R6-02.0
С	SHORT CREEK COAL COMPANY	04-R6-17.3
D	SHORT CREEK COAL COMPANY	04-R6-17.0
E	MARC SEAMON	04-R6-37.0
F	SHORT CREEK CEMETERY ASSOCIATION, TRUSTEES	04-R5-57.0
G	SHORT CREEK METHODIST CHURCH	04-R5-60.0
Н	ROBERT L. & GWENDOLYN NOVAK	04-R5-59.0
1	ERIC W. & LISA N. GADD	04-R5-55.1
J	ERIC W. & LISA N. GADD	04-R5-55.3
К	LUTHER R., II & D.F. SMITH	04-R8-16.1
L	DELBERT E. & CAROL L. HUFFMAN	04-R8-16.2
М	DELBERT E. HUFFMAN, JR.	04-R8-18.4
	LUTHER R., JR. & ELEANOR L. SMITH	
N	The state of the s	04-R8-18.3
0	LUTHER R., JR. & E.L. SMITH	04-R8-18.1
P	JOHN E. HARWATT	04-R8-18.2
Q	LUTHER R., JR. & E.L. SMITH	04-R9-14.4
R	HELEN M. PERRY (L/E) & ET AL	04-R9-14.2
S	HELEN M. PERRY (L/E) & ET AL	04-R9-14.1
T	JORDAN & GAYLE WEBER	04-R9-09.0
U	L.R. HOPKINS, JR. & R.F. DELATORE	04-R9-05.0
V	WILLIAM ISAAC KNIGHT & MEREDITH SERTICH	04-R9-03.7
w	DONNA MARTIN EVANS	04-R9-03.5
X	BETH ANNE KENNEDY	04-R9-03.4
Y		04-R9-01.0
Z	WILLIAM H. & C.L. REUTHER	04-R9-02.0
AA	BRADFORD & NANNETTA HARTLEY	04-R9-01.3
AB	GREGORY TAGGART	04-R9-50.0
AC	DOMINIC J. & SHERRIE D. COTTRELL	04-R12-19.3
AD	ROBERT C. & PATRICIA L. KOTA	04-R12-01.2
AE	MARK & LAURA DAWSON	04-R12-01.1
AF	ROBERT E. JONES LIVING TRUST	04-R12-18.0
AG	DANIEL & M. HARRIMAN	04-R12-18.2
AH	DANIEL & M. HARRIMAN	04-R12-18.1
Al	COLUMBIA GAS TRANSMISSION CORPORATION	04-R12-19.1
	STEPHEN E. & DEBORAH E. KEDING	04-R12-19.2
AJ		
AK	CARLEY & CHRISTOPHER ELSWICK	04-R12-21.0
AL	EDWARD A. & K.L. WOODS	04-R12-21.1
AM	LAWRENCE WITZBERGER, IV	04-R12-19.5
AN	WILLIAM & J.M. WITZBERGER	04-R12-23.2
AO	LAWRENCE W., III & J.C. WITZBERGER	04-R12-22.0
AP	MICHAEL L. & KATHY D. BARON	04-R12-23.8
AQ	GLORIA J. CIARROCCHI	04-R12-23.4
AR	LARRY E. PAUGH	04-R12-23.9
AS	E. JEBBIA, R. RUTTENBER & J. O'DELL	04-R12-23.5
AT	MATTHEW J. & TISHA L. PAREE	04-R12-23.6
AU	HARRY A., JR. & EDITH J. RUMIS, REVOCABLE TRUST	04-R12-23.0
	BRIAN K. & STACEY L. PAGE	04-R12-23.7
AV		
AW	LORI JEAN HENRY	04-R12-23.1
AX	LORI JEAN HENRY	04-R12-23.
AY	LORI JEAN HENRY	04-R12-9999-9
AZ	HENRY'S SERVICE STATION (LORI JEAN HENRY)	04-R12-28.
BA	LORI HENRY (C/O: HENRY'S SERVICE STATION)	04-R12-29.
BB	KAREN NOEL & SCOTT R. YOCUM	04-R12-45.1
BC	RYAN RIES & DANIELLE WASSAM	04-R12-45.2
BD	JOHN A. TARR, IV	04-R12-45.0
BE	JONATHAN D. LECHNER	04-R12-45.1
BF	JONATHAN D. LECHNER, MD	04-R12-46.
	ROBERT L. & PATRICIA J. WEISS, IRREVOCABLE TRUST	
BG		04-R12-46.
BH	ROBERT GAUDIO & CLARE MCDONALD	04-R12-11.
BI	MULL W. QUAY, II TRUST	04-R12-10.1
BJ	MULL W. QUAY, II TRUST	04-R12-10.1

RACT	ADJOINING OWNERS TABLE SURFACE OWNER	TAX PARCE
BL	CHARLINE M. DOFKA (C/O: WESBANCO TRUST)	04-R12J-46.0
ВМ	FRANK A. & K.E. JACKSON	04-R12J-40.0
BN	MICHAEL S. & SHEILA M. LITTLE	04-R12J-42.0
ВО	ANN E. REAM	04-R12J-43.3
BP	MATTHEW & TINA L. MAJETICH	04-R12J-43.1
BQ	TODD & COURTNEY MORRISON	04-R12J-43.5
BR	JAMES M. & C.L. MYER	04-R12J-51.0
BS	MICHAEL S. & SHEILA M. LITTLE	04-R12J-44.0
BT	STEPHANIE HELLER	04-R12J-50.0
BU	LYNN M. KAMINSKI	04-R12J-50.2
BV	RONALD A. & LYNN M. KAMINSKI	04-R12J-50.
BW	STEPHANIE HELLER	04-R12J-47.0
BX	GREGORY J. & SHERRI L. POND	04-R12E-23.2
BY	BARRY L. SUTPHIN, JR.	04-R12E-23.2
BZ	ARLIE B. & M.L. MASSEY	04-R12E-23.2
CA		
CB	DANIEL S. TENNANT & MICHAELA R. JELLEN-TENNANT	04-R12E-23.2
	TIMOTHY J. & C.L. GILLIGAN	04-R12E-23.3
CC	ROBERT JEFFREY MUCHECK	04-R12E-23.3
CD	DEBRA LYN SHELEK	04-R12E-23.1
CE	DAVID M. & K.S. WEYRAUCH	04-R12E-23.1
CF	RENEE A. & JOHN J., JR. BILLIE	04-R12E-23.2
CG	DEBORAH J. GRIFFITHS	04-R12E-23.1
CH	STEVEN M. & LORI J. MCGLUMPHY	04-R12E-23.1
CI	DAVID S. & DIAHANN M. FISHER	04-R12E-23.1
CJ	LARRY C. BOWMAN & ET AL	04-R12-06.0
СК	STEPHANIE CIPRIANI	04-R12-06.2
CL	DAVID J., JR. & V.A. MILLER	04-R12-03.0
CM	MARY ANN BURKHART	04-R12-04.0
CN	RELYKS, LLC	04-R12-05.0
CO	MARY ANN ARMSTRONG	04-R12-02.0
CP	HOWARD L. & B.M. SHACKELFORD	04-R11-35.2
CQ	TUNNEL RIDGE, LLC	04-R12-01.3
CR .	TUNNEL RIDGE, LLC	04-R11-34.3
CS	TUNNEL RIDGE, LLC	04-R11-34.12
CT	TUNNEL RIDGE, LLC	04-R8-61.2
CU	SANDCREST FOUNDATION, INC	04-R11-15.0
CV	TUNNEL RIDGE, LLC	04-R8-61.1
CW	TUNNEL RIDGE, LLC	04-R8-74.0
CX	TUNNEL RIDGE, LLC	04-R8-60.1
CY	TUNNEL RIDGE, LLC	04-R8-59.0
CZ	TUNNEL RIDGE, LLC	04-R8-22.1
DA	TUNNEL RIDGE, LLC	04-R8-60.0
		04-R8-58.0
DB	TUNNEL RIDGE, LLC	
DC	K.L. & R.J. HUFFMAN	04-R8-55.0
DD	TUNNEL RIDGE, LLC	04-R8-20.0
DE	TUNNEL RIDGE, LLC	04-R8-21.2
DF	TUNNEL RIDGE, LLC	04-R8-27.7
DG	TUNNEL RIDGE, LLC	04-R8-27.6
DH	TUNNEL RIDGE, LLC	04-R8-15.4
DI	CHARLES M. & M.M. MILLER	04-R8-15.3
DJ	STATE OF WEST VIRGINIA, DEPARTMENT OF TRANSPORTATION	04-R8-0
DK	DEBRA S. SHEPHERD	04-R8-15.2
DL	LOUIS R. HERCULES & ET AL	04-R8-07.0
DM	ALLIANCE RESOURCE GROUP, LLC	04-R8-06.0
DN	JUDITH K. TYLER	04-R8-08.8
	SAM L., JR. & AMY M. PELLEN	04-R8-08.0
DO		
DP	ARTHUR ENNIS, PEGGY CLARK & ALMA SINCAVICH	04-R8-09.0
DQ	MICHAEL W. DAVIS	04-R8-09.1
DR	EUNICE MAE DAVIS	04-R8-09.3
DS	HAROLD & EUNICE MAE DAVIS	04-R8-09.2
DT	JOYCE ANN FARLEY	04-R8-10.1
DU	JOYCE ANN FARLEY	04-R8-10.2
DV	BETTY L. SNYDER (C/O: PAULA MCGEE)	04-R8-10.0
DW	MARK D. MATTHIAS	04-R8-11.1
DX	MARK D. MATTHIAS	04-R8-11.0
DY	RHONDA J. ROBBINS	04-R8-13.2
DZ	RODNEY & A.J. SNYDER	04-R8-13.0
EA	RICKIE SNYDER	04-R8-14.0
EB	ALLIED WASTE, INC	04-R5-56.0
EC	ALLIED WASTE, INC	04-R5-56.2
	ALLIED WASTE, INC	04-R5-56.1
ED		04-R8-08.16
EE	OHIO COUNTY COMMISSION	
EF	TUNNEL RIDGE, LLC	04-R8-08.17
EG	TUNNEL RIDGE, LLC	04-R8-08.14
EH	TUNNEL RIDGE, LLC	04-R8-08.2
EI	SUSAN L. CAIN	04-R8-08.3
EJ	TUNNEL RIDGE, LLC	04-R8-08.18
EK	ALLIANCE RESOURCE GROUP, LLC	04-R5-52.0
EL	ALLIANCE RESOURCE GROUP, LLC	04-R5-53.0
EM	WINDSOR COAL COMPANY	04-R5-50.0
EN	BRYAN K. & LAURA L. PETTIT	04-R5-55.4
		_
EO	PATRICK DAVID & KRISTY ANN DEFRANCO	04-R12-17.0
EP	DAVID P. & KRISTY A. DEFRANCO	04-R12-23.
EQ	DAVID P. & KRISTY A. DEFRANCO	04-R12-15.0
EQ	KARYL LEE DONALDSON	04-R12-16.0

REVISIONS:	COMPANY:	SWN Production Company, LLC		SWN Production Company TM
	OPERATOR'S WELL #:	EDWARD DI 210		DATE: 11-20-2019 API NO: 47-069-XXXXX DRAWN BY:R. GRIMES
	DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	SCALE: N/A DRAWING NO:2018-284 WELL LOCATION PLAT
		10Q-A	430×014	COMPLETION ID 2501168633 PAD ID 3001165800