

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

Wednesday, October 30, 2024 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re:

Permit Modification Approval for Riter WTZ 5H

47-103-03645-00-00

Performing sidetrack

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. Martin

Operator's Well Number: Riter WTZ 5H

Farm Name: Harry Riter Jr. & Violet R Menas

U.S. WELL NUMBER: 47-103-03645-00-00

Horizontal 6A New Drill Date Modification Issued: 10/30/2024

Promoting a healthy environment.

API NO. 47-103	03645
OPERATOR WEI	LL NO. Riter WTZ 5H
Wall Bad Name	. Riter WTZ nad

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

1) Well Operat	or: SWN	Production C	Co., LLC	494512924	103-Wetzel	1-Center	468-Littleton
. •				Operator ID	County	District	Quadrangle
2) Operator's \	Well Numb	er: Riter WTZ	2 5H	Well Pad	Name: Riter	WTZ pad	
3) Farm Name	/Surface O	wner: Harry Riter	, Jr. & Violet R	Menas Public Roa	d Access: C.R	. 8	
4) Elevation, c	urrent grou	ınd: 1409'	El	evation, proposed	post-construction	on: 1408'	
5) Well Type	(a) Gas	X	_ Oil	Unde	erground Storag	ge	
	Other						
	(b)If Gas	Shallow	X	Deep			•
		Horizontal	X				
6) Existing Pac	i: Yes or N	lo Yes					
, I			` '	ipated Thickness a VD-7594', Target Base TV	•	• •	Associated Pressure- 4963
8) Proposed To	otal Vertica	al Depth: 761	9'				
9) Formation a			Marcellus	5			
10) Proposed	Total Meas	ured Depth:	29,530'			****	
11) Proposed I	Horizontal	Leg Length:	20,246.00	6'			
12) Approxima	ate Fresh W	Vater Strata De	pths:	417'			
13) Method to	Determine	Fresh Water I	Depths: 1	Nearby Well Vern	on Johnson W	/TZ 10H A	PI 47-103-02714
14) Approxima	ate Saltwat	er Depths: 18	898'- Salin	ity Profile			***************************************
15) Approxima	ate Coal Se	am Depths: 1	281'				
16) Approxima	ate Depth t	o Possible Voi	d (coal mi	ine, karst, other): <u> </u>	None that we	are aware	of.
17) Does Prop	osed well l	ocation contain	n coal sear	ms			
,		cent to an activ		Yes	No	X	
(a) If Yes, pr	ovide Mine	e Info: Name	:				
		Depth	ı:				
		Seam	•				
TOFNED	Gas	Owne	r:				
Office Of Oil and	024	H	ECEIVED				
A. 14 08	noitedion	Office (Of Oil aug.				
, F 1	1,010/60.	nΩ	T 08 202	<u> </u>			

WV Department of Environmental Protection Page 1 of 3 Digitally signed by Stephen Stephen McCoty Mar 2 10 09:23:23 -0400'

Riter WTZ 5H ST

The subject was drilled to a depth of 14,025'. While drilling the lateral at 14,025' a part of our BHA failed, leaving our bit and part of our BHA in the hole. Discussions with Fishing Experts yielded that this part would be un-fishable. We attempted to open hole sidetrack in the lateral approximately 700' back from the fish, this was unsuccessful.

Attempt to Open Hole Sidetrack in the Curve

- We would like to back up to approximately 8,500' in the curve and sidetrack.
- Out best chance at successfully sidetracking will be this point and going right of the Original Wellbore.
- To do so safely we will need to land out curve approximately 85' right of our original land point.
- From that point we would be able to slowly bring back our lateral to the original plan and plan to TD at our original Bottom Hole Location.
- Landing at this point and paralleling our old wellbore till we get pack to the original plan will keep us out of any leases not already within the lease.
- Due to the increase in curve our Measured Depth at TD with be 29,536'.

Office Of Oil and Gas

Office Of Oil and Gas

OCT 08 2024

WW Department of Protection Environmental

API	NO.	47-	103
, ,, ,			

03645

OPERATOR WELL NO. Riter WTZ 5H

Well Pad Name: Riter WTZ pad

18)

CASING AND TUBING PROGRAM

ТҮРЕ	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#	467'	467'	533 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2999'	2999'	1224 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	29530'	29530'	Tail 5384sx/ 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	Interm	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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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): 30
- 22) Area to be disturbed for well pad only, less access road (acres): 12.59
- 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.

HECEIVED Gas

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*Note: Attach additional sheets as needed.

WV Department of Environmental Protection



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

September 9, 2024

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

RE: Proposed New Well: Riter WTZ 5H

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 Riter's property, in Center District, Wetzel County, West Virginia.

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

Thank you.

Sincerely,

Brittany Woody

Buttany Woody

Staff Regulatory Specialist

Southwestern Energy Production Company, LLC

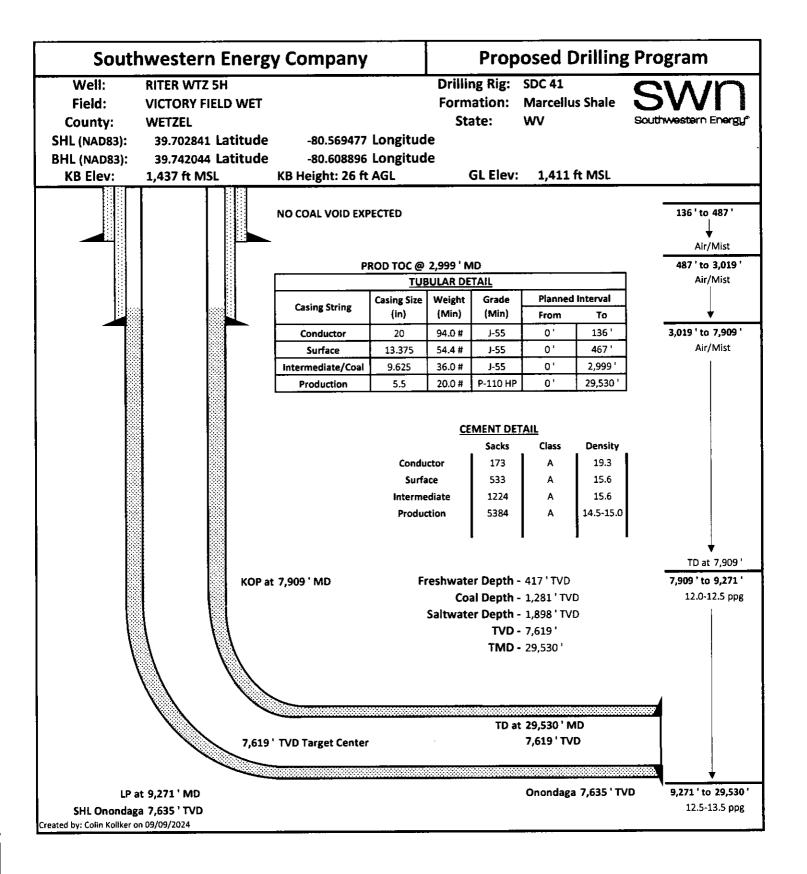
Office Of Old and Gas

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Environmental Projection

Rt AV+°







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

September 9, 2024

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

RE: SWN's proposed New Well: Riter WTZ 5H in Wetzel County, West Virginia, Drilling under Low Gap Run Road, Woodchuck Lane, and Amos Hollow Road.

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 Low Gap Run Road, Woodchuck Lane, and Amos Hollow Road. 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.

Sincerely,

Ian R. Nicas Staff Landman

SWN Production Company, LLC

18 2024

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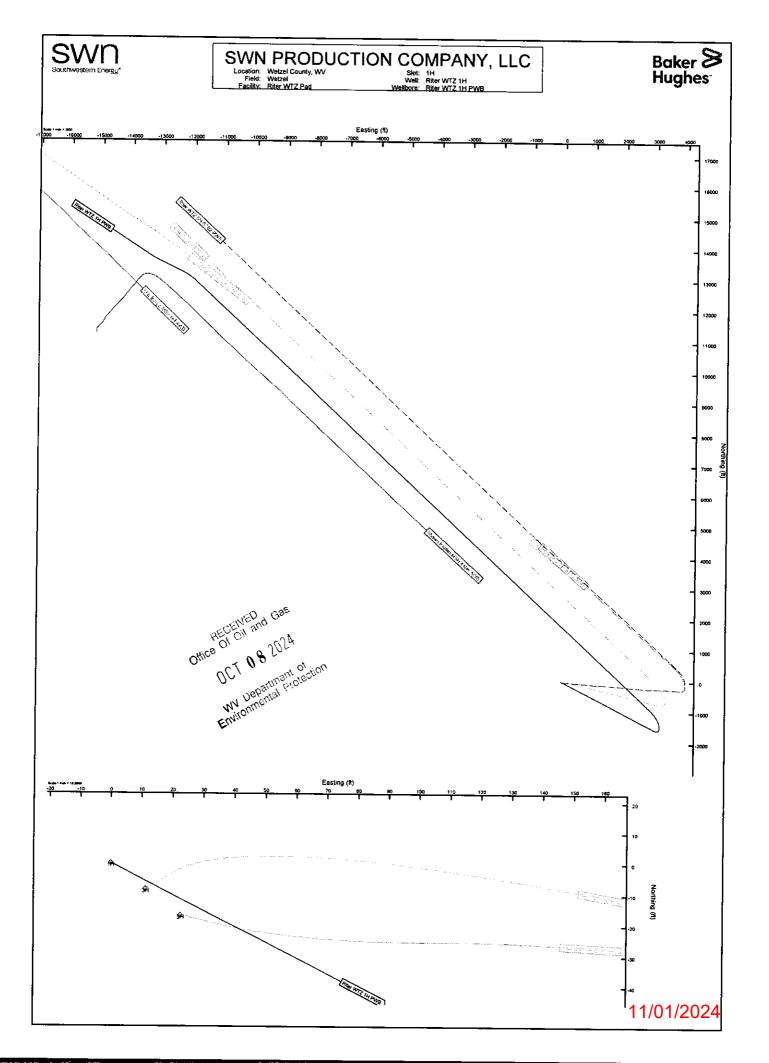
OCT 08 2024

Environmental protection

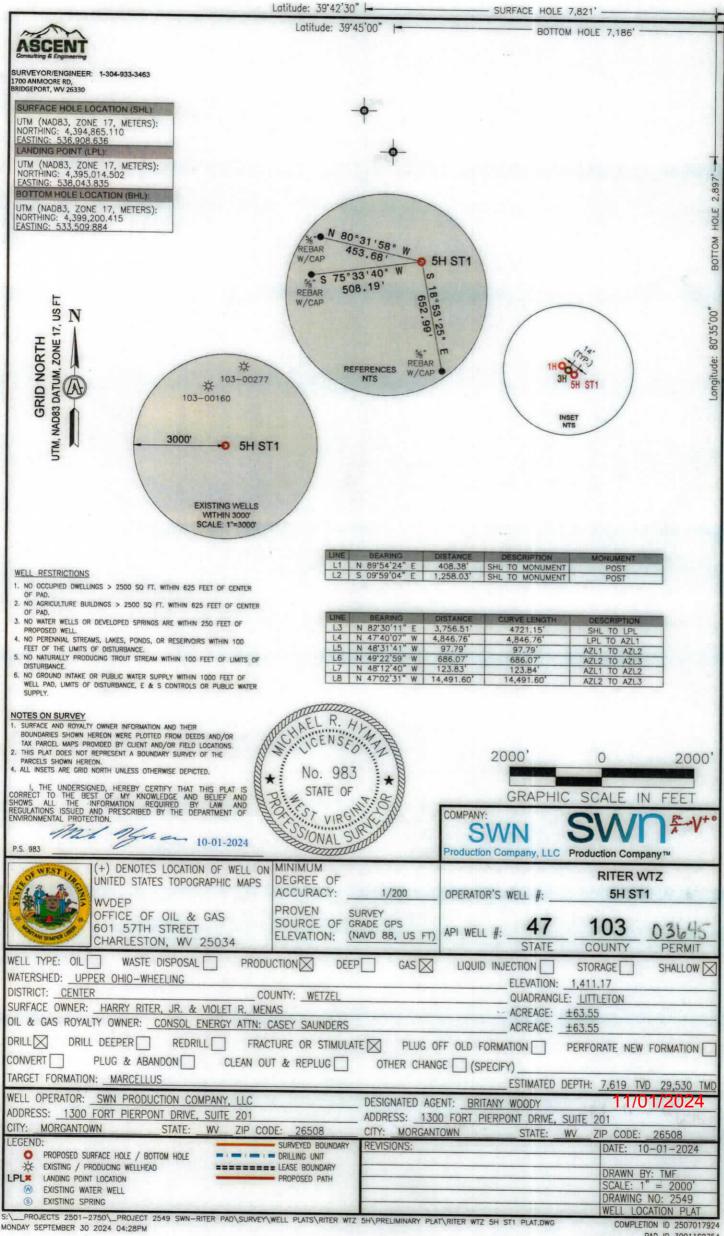
RLAV+

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

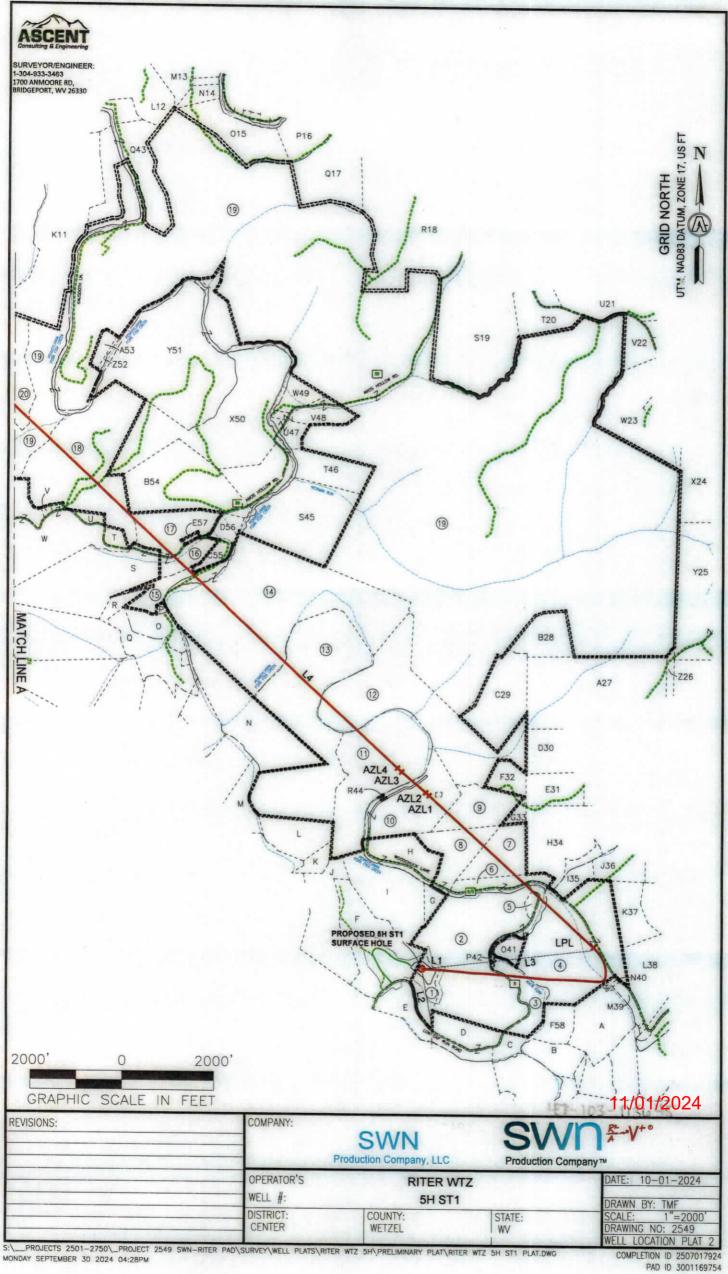
11/01/2024





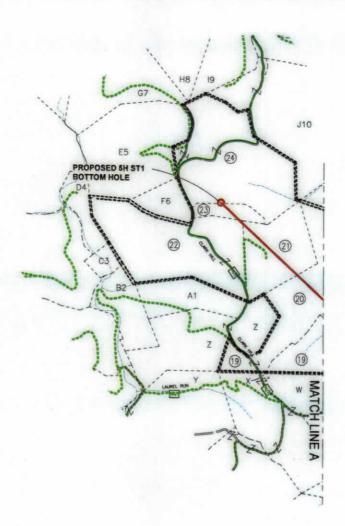


80.32,3





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



	WELL BORE TRACTS	STATE OF THE PARTY
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RITER HARRY JR & MENAS VIOLET R (5)\ CONSOL Energy (R)	1-5-19
2	BLAKE GAY KAREN & JOSEPH F	1-6-7
3	S&R INVESTMENTS	1-6-11
4	S&R INVESTMENTS	3-1-23
5	CONSOUDATED GAS TRANSMISSION CORPORATION	1-6-9
6	BERRY LAWRENCE C & DOROTHY J	1-6-8
7	WILLIAMS JOHN EHRS WILLIAMS JOHN EDWARD	1-6-4
8	SEIDLER BRIAN	1-6-3
9	BLACKROCK ENTERPRISES LLC	1-6-1
10	SEIDLER BRIAN	1-5-10
11	SEIDLERE DALE & NETTIE L	1-2-6.2
12	SEIDLER EARL DALE & NETTIE	1-2-6.1
13	WV STATE COMMERCE BUREAU OF NAT RESOURCE DIVISION	1-2-6
14	VELLEKOOP PETER B ET UX - TOD	7-27-13
15	GEHO ANNIE LEST	7-27-21
16	OCHSENBEIN RICHARD L	7-27-9
17	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
18	HORNER DELORSE A	7-26-10
19	W VA WILDLIFE RESOURCES SECTION	7-24-1
20	MORGAN JAMES E - LIFE	7-26-14
21	ROMACK VICTOR A	7-19-38
22	HORNER JOHN M & TERESA L	7-19-36
23	HORNER JOHN M & TERESA L	7-19-30.1
24	HORNER DELORSE A - LIFE	7-19-30



S:__PROJECTS 2501-2750_PROJECT 2549 SWN-RITER PAD\SURVEY\WELL PLATS\RITER WTZ 5H\PRELIMINARY PLAT\RITER WTZ 5H ST1 PLAT.DWG

COMPLETION ID 2507017924 PAD ID 3001169754



SURVEYOR/ENGINEER: 1-304-933-3463 1700 ANMOORE RD, BRIDGEPORT, WV 26330

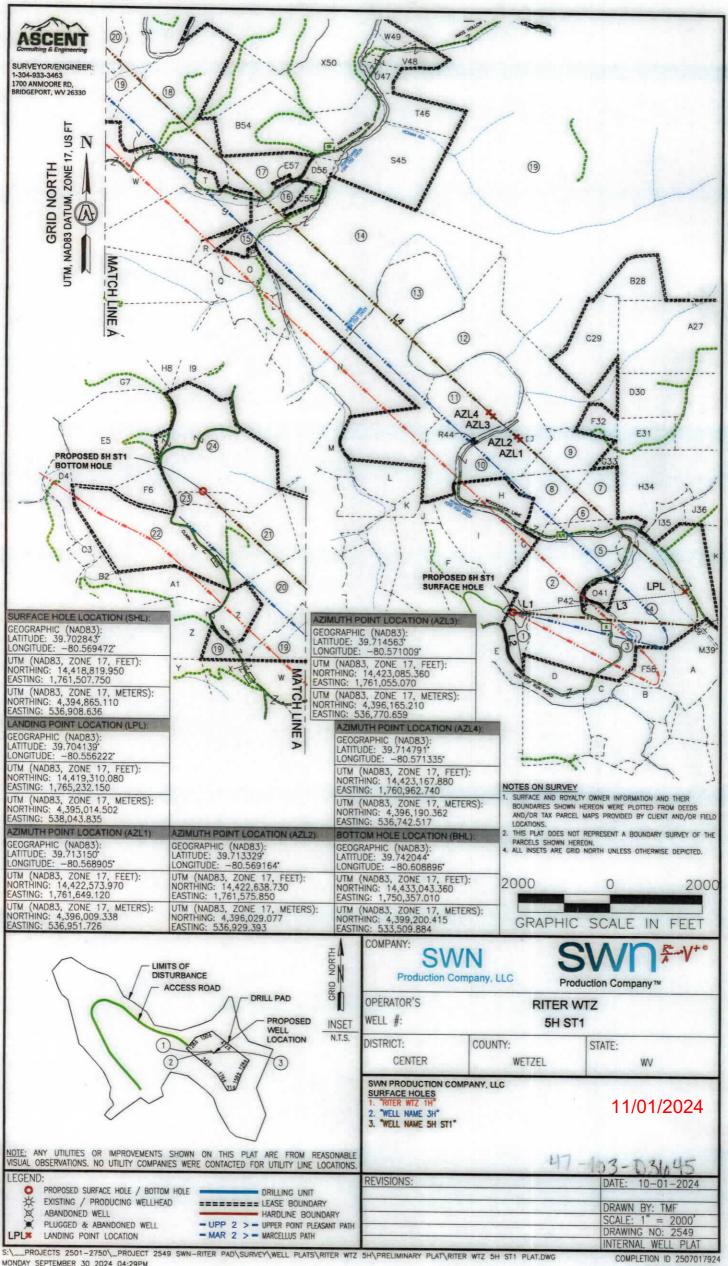
100	ADJOINING OWNERS TABLE	
RAC	SOMPACE OFFICER	TAX PARCE
A	WAYNE CARMINT REALTY LLC	3-1-26
В	S&R INVESTMENTS	3-5-1
C	S&R INVESTMENTS	1-6-10
D	GORBY STEPHEN H & BETH ANN	1-5-30
E	RITER HARRY JR MENAS VIOLET R	1-5-20
F	RITER HARRY JR MENAS VIOLET R	1-5-17
G	KOONTZ MICHAELL KUHN SHAUN D	1-5-34
Н	SEIDLER BRIAN	1-5-11
1	KOONTZ MICHAEL L KUHN SHAUN D	1-5-18
1	KOONTZ MICHAEL L KUHN SHAUN D	1-5-17.1
K	BROWN NEIL A TRUST	1-5-9
ι	WV STATE OF COMM BUREAU OF NATURAL RESOURCES DIVISION	1-5-9.1
M	WEST VIRGINIA DIVSION OF NATURAL RESOURCES	1-2-9
N	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-12
0	FERDA BRIAN T ET UX	7-27-16
P	FERDA BRIAN T ET UX	7-27-16.1
Q	FERDA BRIAN T ET UX	7-27-15
R	W VA WILDLIFE RESOURCES SECTION	7-27-17
5	SCHANCKJOSEPHL	7-27-18
T	RIGGS DALENA ETVIR	7-27-3.1
U	RIGGS JOHN E & DALENA	7-27-2.1
v	DEBOLD HOWARD LET UX	
w	RIGGS JOHN E JR & DELANA	7-27-2.2
x	WADE SAMUEL C- TOD	7-27-2
Y	RICHMOND MATTHEW ALLAN	7-27-2.3
z	MORGAN JAMES E - UFE	7-28-5
A1	MORGAN JAMES E - UFE	7-28-4
B2	MASON DIXON FARMS LLC	7-28-3
C3		7-28-2
D4	HORNERJOHN M & TERESAL	7-19-35
E5	The state of the s	7-19-33
F6	HORNERJOHN M & TERESA L	7-19-32
	CHAMBERS MARY L	7-19-31
G7 H8	MASON DIXON FARMS LLC	7-19-1
19	MASON DIXON FARMS LLC	7-19-8.8
110	HORNERJOHN M & TERESAL	7-19-12
(11	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-29
112	GRIBBEN M PEGGY REVOCABLE LIVING TRUST UNDERDONK ALAN	7-19-28
12	BURGE JUDITH A & VIRGINIA L BAILEY &	7-16-25.1
113	SUELLEN MARLING - TOD	7-20-6
114	GEHO ANNIE LEST	7-20-11
)15	BURLEY AMMON ET UX	7-20-12
16	BURLEY AMMON	7-20-18
217	BURLEY AMMON A	7-20-24
118	BURLEY AMON A	7-20-37
519	GRESHAW JASON M & MARY L	7-25-2
720	BROWN ANDREW C III	7-25-6
121	HARRINGTON CLYDEF	7-25-7
/22	W VA DEPT OF COMMERCE DIV OF NATURAL	
	RESOURCES	7-25-9
V23	CONAWAY THOMAS EARLJR & CAROLYN KSTOW	7-25-12
(24	CONAWAY THOMAS E	7-23-1
25	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26
26	LONG LONNY DAVID & LINDA SUE	1-3-2.1
27	ABEREGG DW EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	1-3-2
28	WADE MICHAEL CLAY & MCCELLAND LAWRENCE W - TOD ET AL	7-24-6
29	WILLIAMS KATHERINE E TRUST	1-3-1
30	WILLIAMS LONNIE L	1-3-7
31	WILLIAMS JOHN EDWARD	1-3-8
32	CONSOLIDATED GAS TRANSMISSION CORP	1-3-5
33	UNKNOWN	1-6-2
134	MCGUFFIE ARCH	1-6-5

TRACT	SURFACE OWNER	TAX PARCE
135	MILLER HARVEY	3-1-7
136	MILLIKEN KEVIN R ETAL	3-1-8
K37	PHILLIPS JR CHARLES R	3-1-22
L38	WAYNE CARMINT REALTY LLC	3-1-29
M39	WAYNE CARMINT REALTY LLC	3-1-28
N40	WAYNE CARMINT REALTY LLC	3-1-27
041	SHOWALTER THOMAS HRS	3-1-24
P42	CONSOLIDATED GAS TRANS CORP	3-1-36
Q43	FROMHART BRAD ET UX - LIFE	7-20-41
R44	SEIDLER E DALE & NETTIE L	1-5-10.1
545	VELLEKOOP PETER B ET UX - TOD	7-27-11
T46	VELLEKOOP PETER B ET UX - TOD	7-27-10.1
U47	VELLEKOOP PETER B ET UX - TOD	7-25-6.2
V48	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
W49	GEDEON DANIEL D ET UX	7-26-6
X50	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
Y51	CONSOLIDATED GAS SUPPLY CORP	7-26-8
Z52	BUTLER JOHN M & LISA A	7-26-11.1
A53	HUNDRED RESOURCES INC	7-26-11
B54	YOCUM JOSEPH LEE & MICHAEL D	7-27-4
C55	BURGE DELORES E ET AL	7-27-10
D56	HIGH PHILIP D	7-27-8
E57	MEADOWDALE UNITED METH CH CEM	7-27-6
F58	S&RINVESTMENTS	3-1-25

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

11/01/2024 COMPANY: REVISIONS: SWN Production Company™ Production Company, LLC OPERATOR'S RITER WTZ DATE: 10-01-2024 WELL #: 5H ST1 DISTRICT: CENTER COUNTY: WETZEL STATE: SCALE: N/A
DRAWING NO: 2549
WELL LOCATION PLAT 4 S:__PROJECTS 2501-2750_PROJECT 2549 SWN-RITER PAD\SURVEY\WELL PLATS\RITER WTZ 5H\PRELIMINARY PLAT\RITER WTZ 5H ST1 PLAT.DWG MONDAY SEPTEMBER 30 2024 04:28PM

COMPLETION ID 2507017924 PAD ID 3001169754



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:

Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Lease Name or				

See Exhibit "A"

Office Of Oil and Gas

OCT 0 8 2024

WV Department of Environmental Protection

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

*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

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:	enn
Its:	Staff Landman

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 Riter WTZ 5H ST01

Marshall and Wetzel County, West Virginia

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased b Southwestern Production Company LLC
1	1-5-19	Green Dot Farm, Inc., a West Virginia corporation	SWN Production Company, LLC	19.00%	283A/574	0.00%
2	1-6-7	William B. Francik and Pamela S. Francik, husband	Statoil USA Onshore Properties, Inc.	18.00%	164A/256	0.00%
		and wife, as JTWROS Statoil USA Onshore Properties, Inc.	EQT Production Company		1754/707	
		EQT Production Company	SWN Production Company, LLC		175A/707 279A/35	
		Thomas J. lacoboni, A married Man dealing in His	Statoil USA Onshore Properties, Inc.	10.000	164A/248	
		sole and Separate Property	A CONTRACTOR OF THE CONTRACTOR	18.00%		
		Statoil USA Onshore Properties, Inc.	EQT Production Company		175A/707	1
		EQT Production Company	SWN Production Company, LLC	4000000	279A/35	1
		TH Exploration II, LLC TH Exploration, Inc.	TH Exploration, Inc. EQT Production Company	18.00%	252A/110	
		EQT Production Company	SWN Production Company, LLC		258A/333 279A/35	
3	1-6-11	Stone Hill Mineral Holdings	TH Exploration, Inc.	18.000%	261A/890	0.00%
		TH Exploration, Inc.	SWN Production Company, LLC		49/615	
4	3-1-23	Stone Hill Mineral Holdings	TH Exploration, Inc. SWN Production Company, LLC	18.000%	261A/890	0.00%
		TH Exploration, Inc.			49/615	
5	1-6-9	William B. Francik and Pamela S. Francik, husband and wife, as JTWROS	Statoil USA Onshore Properties, Inc.	18.00%	164A/256	0.00%
		Statoil USA Onshore Properties, Inc.	EQT Production Company		175A/707	
		EQT Production Company Thomas I Jacoboni A married Man dealing in His	SWN Production Company, LLC		279A/35	1
		Thomas J. lacoboni, A married Man dealing in His sole and Separate Property	Statoil USA Onshore Properties, Inc.	18.00%	164A/248	
		Statoil USA Onshore Properties, Inc.	EQT Production Company		175A/707	
		EQT Production Company	SWN Production Company, LLC		279A/35	
		TH Exploration II, LLC	TH Exploration, Inc.	18.00%	252A/110	1
		TH Exploration, Inc. EQT Production Company	EQT Production Company SWN Production Company, LLC		258A/333 279A/35	
6	1-6-8	Royalty Owner(s) (subject to unitization filing dated	N/A	N/A	N/A	100%
	100	February 28, 2024)	IVA	1978	19/2	100%
7	1-6-4	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	12 50%	1664/021	0.00%
				12.50%	166A/931	
8	1-6-3	Morris Mountaineer Oil and Gas, LLC	Antero Resources Corporation	20.00%	257A/400	0.00%
		Antero Resources Corporation	SWN Production Company, LLC		272A/588	
		Stone Hill Minerals Holdings, LLC TH Exploration, LLC	TH Exploration, LLC SWN Production Company, LLC	20.00%	261A/890 49/615	
		Gore-Morris Trust, by WesBanco Bank, Inc., as	SWIN Production Company, LLC		49/013	
		Successor Trustee	Antero Resources Corporation	20.00%	257A/394	
		Antero Resources Corporation	SWN Production Company, LLC		272A/588	
		Blackrock Enterprises, LLC	Antero Resources Corporation	20.00%	273A/383	
		Antero Resources Corporation EQT Production Company	EQT Production Company SWN Production Company, LLC		324A/748 343A/154	
9	1-6-1	Morris Mountaineer Oil and Gas, LLC	Antero Resources Corporation	20.00%	257A/400	0.00%
		Antero Resources Corporation	SWN Production Company, LLC	20.0070	272A/588	0.00%
		Piney Holdings, Inc.	Antero Resources Corporation	20.00%	293A/417	
		Antero Resources Corporation	EQT Production Company		231A/59	
		EQT Production Company	SWN Production Company, LLC	202000	279A/35	
		Piney Holdings, Inc. Gore-Morris Trust, by WesBanco Bank, Inc., as	SWN Production Company, LLC	20.00%	355A/631	
		Successor Trustee	Antero Resources Corporation	20.00%	257A/394	
		Antero Resources Corporation	SWN Production Company, LLC		272A/588	
		Blackrock Enterprises, LLC	Antero Resources Corporation	20.00%	273A/383	
		Antero Resources Corporation	EQT Production Company		324A/748	
		EQT Production Company	SWN Production Company, LLC		343A/154	
10	1-5-10	Nettie L. Seidler	Antero Resources Corporation	18.00%	212A/235	0.00%
		Antero Resources Corporation	EQT Production Company		231A/59	1
		Antero Resources Corporation	EQT Production Company		231A/158	
		EQT Production Company	SWN Production Company, LLC		279A/35	
		Piney Holdings, Inc. Antero Resources Corporation	Antero Resources Corporation EQT Production Company		189A/56 231A/59	
		Antero Resources Corporation	EQT Production Company		231A/158	
		EQT Production Company	SWN Production Company, LLC		279A/35	
	1-2-6.2	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	166A/931	0.00%
11			SWN Production Company, LLC	12 50%	166A/931	0.00%
	1-2-6.1	Chesapeake Appalachia, LLC		12.50%		5000000
12		Chesapeake Appalachia, LLC	Section 2010 Substitution Control of Control			
	1-2-6.1	Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	166A/931	0.00%
12		Chesapeake Appalachia, LLC Ralph W. Evans and Nellie F. Evans, his wife; Brooks	SWN Production Company, LLC		166A/931 299/327	0.00%
12	1-2-6	Chesapeake Appalachia, LLC Ralph W. Evans and Nellie F. Evans, his wife; Brooks B. Evans and Sara E. Evans, his wife; Harold P. Evans		12.50%		
12	1-2-6 7-27-13	Chesapeake Appalachia, LLC Ralph W. Evans and Nellie F. Evans, his wife; Brooks	SWN Production Company, LLC The Manufacturers Light and Heat Company Columbia Gas Transmission Corporation			

Office Of Oil and Gas

OCT 08 2024

WV Department of Protection

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Leased Southwestern Production Compan LLC
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC	•	650/63	1
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC		675/279 33/110	
		and a second sec	SWN Exchange Titleholder LLC (now SWN		33/424	
		Statoil USA Onshore Properties Inc.	Production Company LLC)		32,121	
15	7-27-21	Kathryn Gillingham, widow; Lucy V. Smith, widow;				0.00%
		and Madge Moore and Albert W. Moore, wife and husband	The Manufacturers Light and Heat Company	12.50%	371/525	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC		650/63	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	ľ
		Chesapeake Appalachia, LLC	SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN		33/110 33/424	1
		Statoil USA Onshore Properties Inc.	Production Company LLC)		·	
16	7-27-9	Josephine Faust, et al	Manufacturers Light and Heat Company	12.50%	375/545	0.00%
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.		662/322	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		675/279 33/110	
		• • • •	SWN Exchange Titleholder LLC (now SWN		33/424	1
		Statoil USA Onshore Properties Inc.	Production Company LLC)			
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
17	7-27-5	I.D. Franklin and Bessie J. Franklin, husband and wife	The Manufacturers Light and Heat Company	12.50%	342/448	0.00%
		The Manufacturers Light and Heat Company	Union Gasoline & Oil Corporation		220/353	
		Union Gasoline & Oil Corporation	The Prestion Oil Company		2/136	
		The Prestion Oil Company	The Manufacturers Light and Heat Company		2/225	
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.		662/322 675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LEC		33/110	
			SWN Exchange Titleholder LLC (now SWN		33/424	
		Statoil USA Onshore Properties Inc. Chesapeake Appalachia, LLC	Production Company LLC) SWN Production Company, LLC		36/422	
18	7-26-10	Lorraine E. Parriott, acting as Trustee for the Parriott Family Trust dated July 23, 1996, and		12.50%	669/23	0.00%
		Lorraine E. Parriott	Chesapeake Appalachia, LLC			1
		Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc. SWN Production Company, LLC		675/279 33/110	
		and a second of the second of	SWN Exchange Titleholder LLC (now SWN		33/424	
		Statoil USA Onshore Properties Inc.	Production Company LLC)		,	
		Chesapeake Appalachia, LLC SWN Exchange Titleholder LLC	SWN Production Company, ELC SWN Production Company, ELC		36/422 19/624	
19	7-24-1 (Subtract 1)	J.N. Pyles and Iva B. Pyles, his wife; E. C. Pyles, single; J.B. Whitlatch and Edna Whitlatch, his wife;	The Manufacturers Light and Heat Company	12.50%	299/336 Refiled 299/465	0.00%
		Robert E. Loper and Lovernia L. Loper, his wife; Paul G. Benedum and Willeen Benedum, his wife; Maxine L. Jaworek and Walter A. Jaworek, her				
		husband; Eleanor M. Hinerman and Emmett Hinerman, her husband; Elizabeth H. Pauli and Philip	.			
		D. Paull, her husband; Lester Hicks and Josephine				
		Hicks, his wife; Virginia Neal and F.S. Neal, her husband				
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	ľ
		Columbia Gas Transmission Corporation Columbia Natural Resources, LLC	Columbia Natural Resources, LLC Chesapeake Appalachia, LLC		642/281 650/63	1
		Columbia Natural Resources, LLC Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		650/63 662/322	l .
		Chesapeake Appalachia, LLC	Statoilhydra USA Onshore Properties Inc.		675/279	ł
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	1
		Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LEC (now SWN Production Company LLC)		33/424	1
		Nancy B. Divita, married dealing in her sole and	Production Company LLC)	10 000		
		separate property	SWN Production Company, LLC	18.00%	1084/279	
			Chesapeake Appalachia, LLC	17.00%	742/200	0.00%
19	7-24-1 Subtract 2	Debbie Coleman, a single woman				I
19		Debbie Coleman, a single woman Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
19				17.00%	742/523 33/110	
19		Chesapeake Appalachia, LLC Linda Turner and Dennis Turner, her husband	SWN Production Company, LLC Chesapeake Appalachia, LLC	17.00% 17.00%	742/523	
19		Chesapeake Appalachia, LLC Linda Turner and Dennis Turner, her husband Chesapeake Appalachia, LLC Gary Scott, a single man	SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC		742/523 33/110 742/533	
19 Č		Chesapeake Appalachia, LLC Linda Turner and Dennis Turner, her husband Chesapeake Appalachia, LLC Gary Scott, a single man Chesapeake Appalachia, LLC Chestnut Holdings, a Florida corporation	SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC		742/523 33/110 742/533 33/110	
19		Chesapeake Appalachia, LLC Linda Turner and Dennis Turner, her husband Chesapeake Appalachia, LLC Gary Scott, a single man Chesapeake Appalachia, LLC	SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	742/523 33/110 742/533 33/110	

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Truct#	Tax Percel	Lessor	Lessee	Royalty	Book/Page	Interest Not Lease Southwestern Production Compa LLC
L		O. E. Burge and Sarah Lou Burge, his wife and				<u> </u>
		Stephen Burge, a married man dealing in his sole		18.75%		
		and separate property	Chesapeake Appalachia, LLC		708/137	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Charles Albert Sloan, a married man dealing in his		17.00%		
		sole and separate property	Chesapeake Appalachia, LLC		709/101	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Imogene Verna Chambers aka Verna Imogene				
		Chambers, a widow	Chesapeake Appalachia, LLC	12.50%	716/360	j
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Lawrence Leroy Frye, a married man dealing in his				
		sole and separate property	Chesapeake Appalachia, LLC	17.00%	715/481	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Alma Lovene Sampson, a married woman dealing in	character to a batter 110	42.500	24.5.52.2	!
		her sale and separate property	Chesapeake Appalachia, LLC	12.50%	716/322	
		Chesapeake Appalachia, LLC Lawrence Leroy Frye, a married man dealing in his	SWN Production Company, LLC		33/110	
		sole and separate property	Chesapeake Appalachia, LLC	12.50%	715/481	
				12.30%		
		Chesapeake Appalachia, LLC Bonnie Ann Perry, a married woman dealing in her	SWN Production Company, LLC		33/110	
		sole and separate property	Chesapeake Appalachia, LLC	12.50%	716/151	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.30%		
		David Lee Frye, a married man dealing in his sole	3444 Floduction Company, LCC		33/110	
		and separate property	Chesapeake Appalachia, LLC	12.50%	716/141	ĺ
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.30%	33/110	ĺ
		Rickie Gene Frye, a married man dealing in his sole	The company, LCC		33/110	I
		and separate property	Chesapeake Appalachia, LLC	12.50%	716/146	ĺ
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.30%	33/110	I
		Pameta S. Cunningham, a married woman dealing in	The state of the s		33/110	ĺ
		her sole and separate property	Chesapeake Appalachia, LLC	12.50%	717/007	ĺ
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.30%	33/110	I
		Dorothy Lynn Newell, a married woman dealing in			23/110	I
		her sole and separate property	Chesapeake Appalachia, LLC	17.00%	715/535	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	17.00%	33/110	
		Wanda M. Frazee aka Wanda Marie Frazee fka	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		33/110	
		Wanda M. Maxwell fka Wanda Marie Maxwell fka				
		Wanda M. Maxwell, a widow	Chesapeake Appalachia, LLC	17.00%	722/495	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	ĺ
		David Scott and Janet May Scott, his wife	Chesapeake Appalachia, LLC	17.00%	742/528	I
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	I
		Juanita Pearl McCracken, a single woman, by her	-		•	I
		guardian, Erin Bitz Simpson	Chesapeake Appalachia, LLC	17.00%	742/116	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Basil F. McCracken and Dorothy McCracken, his				
		wife	Chesapeake Appalachia, LLC	12.50%	742/158	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Stephanie Bitz, a single woman	Chesapeake Appalachia, LLC	12.50%	742/513	İ
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	j
		Erin Simpson, f/k/a Erin Bitz and Matt Simpson, her				
		husband	Chesapeake Appalachia, LLC	12.50%	742/518	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Anna Lucy McCracken, a single woman	Chesapeake Appalachia, LLC	17.00%	744/90	1
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Rolland Dean McCracken aka Rolland D.				
		McCracken, a single man, by his Attorney-in-Fact,				
		Rebecca Jo Kuzba	Chesapeake Appalachia, LLC	17.00%	747/228	
		Chesapeake Appalachia, LLC	SWN Production Company, LEC		33/110	
		Martha McCracken, a widow	Chesapeake Appalachia, LLC	17.00%	747/234	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Erma Jean Carr, a widow	Chesapeake Appalachia, LLC	17.00%	758/372	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	,=	33/110	
		Harold Carr and Loraine Carr, his wife	Chesapeake Appalachia, LLC	17.00%	758/366	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Alton Carr, a single man	Chesapeake Appalachia, LLC	17.00%	758/354	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	_	33/110	
		Beatrice Criss, a single woman	Chesapeake Appalachia, LLC	17.00%	758/348	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	,	33/110	
		Delorice Boyd and Robert Boyd, her husband	Chesapeake Appalachia, LLC	17.00%	758/378	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Barbara K. O'Brien a/k/a Barbara K. O'Brian, a				
		married women dealing in her sole and separate	CHAIR BOOK AND A CO.		1007/77	
		property School Sissess discussed	SWN Production Company, LLC	17.00%	1037/274	
		Robert Bissett, divorced Connie J. Brown, a widow	SWN Production Company, LLC	15.00% 15.00%	942/504	
		Connie J. Brown, a widow Mary Lee Miller, a single woman	SWN Production Company, LLC SWN Production Company, LLC	15.00% 15.00%	931/427	
			5444 Froduction Company, LLC	15.00%	952/113	
Sx.		Rena Kolton, a married woman dealing in her sole	Sta/Al Broduction Comments	45 000	Distres	
Ź	^	and separate property	SWN Production Company, LLC	15.00%	916/509	
۸.	dr.	Tababa I alla a Alfa Tababa I Asaba a				
, o,	<i>'</i> C''	Tabitha L. Allen, n/k/a Tabitha L. Marling, a married	CM/M Bredveties Correction 115	15.000	631/434	
8.0	•		SWN Production Company, LLC	15.00%	931/424	
હું વૃજ		Loretta Rohm, a single woman Chastas Guzak, widowas Life Fersta and Amy In	SWN Production Company, LLC	15.00%	919/151	Ī
		Chester Guzek, widower, Life Estate and Amy In				
8		Simpson, a married woman dealing in her sole and				
•		separate property, Remainderman, and Chester				
i)						
õ		Craig Guzek, a married man dealing in his sole and	SWN Production Company (1)C	15 000	016/501	
8 6 60 60 60 60 60 60 60 60 60 60 60 60 6		Craig Guzek, a married man dealing in his sole and separate property Terry Cumpston, a married man dealing in his sole	SWN Production Company, LLC	15.00%	916/501	

Truct #	Yex Parcel	Lessor	Lessoe	Royalty	Book/Page	Interest Not Lease Southwestern Production Compo LLC
		Wanda M. Woodruff, a.k.a. Wanda Mae Woodruff,	COMPANY OF THE PROPERTY OF THE			1
1		a widow Norma L. Williams, married and dealing in her sole	SWN Production Company, LEC	15.00%	916/516	
		and separate property	SWN Production Company, LLC	15.00%	919/157	
		Rose Anne Sloan, a single woman	SWN Production Company, LLC	15.00%	916/514	
]		Theo Sue Mager, a married woman dealing in her				
1		sole and separate property Maria Bell, a single woman	SWN Production Company, LLC	15.00%	916/499	
ı		Joseph Grof, a married man dealing in his sole and	SWN Production Company, LLC	15.00%	916/519	
1		separate property	SWN Production Company, LLC	15.00%	916/489	
1		Sondra Kay English, a widow	SWN Production Company, LLC	15.00%	916/493	
1		Donna Cunningham, n/k/a				
1		Donna D. Sims, married and dealing in her sole and separate property	SWN Production Company, LLC	15.00%	916/487	
1		Ralph P. Pasquino, Jr., a married man	SWN Production Company, LLC	13.00%	916/495	
1		Linda Suzette Sills and Michael J. Sills, her husband	SWN Production Company, LLC	12.50%	916/497	
1		Anne Campbell Gleine, a married woman dealing in				
1		her sole and separate property Glen Kermit Wendt, a married man dealing in his	SWN Production Company, LLC	15.00%	919/155	1
1		sole and separate property	SWN Production Company, LLC	15.00%	916/491	
1		William Grof, a married man dealing in his sole and			,	1
1		separate property	SWN Production Company, LLC	15.00%	925/535	
1		Richard Bissett, a married man dealing in his sole	CISIN Deaduction Commence 415	** ****	025/522	
1		and separate property Debra Lynn Frye, n/k/a Debra Lynn Johnson, a	SWN Production Company, LLC	15.00%	925/537	
1		divorced woman	SWN Production Company, LLC	15.00%	933/301	1
1		Lucille R. Young, a widow	SWN Production Company, LLC	15.00%	932/71	
1		Angel Marie Frye, a/k/a Angel Frye Messenger, a				
1		single woman	SWN Production Company, LLC	15.00%	944/285	
1		Terry Riter, a single man Chad Chaplin, a married man dealing in his sole and	SWN Production Company, LLC	15.00%	935/237	
1		separate property	SWN Production Company, LLC	15.00%	935/226	
1		Ratph Chaplin, a married man dealing in his sole and			•	
1		separate property	SWN Production Company, LLC	15.00%	935/228	
1		Mary Martha Leichter, married, dealing in her sole	SHOULD A STATE OF THE STATE OF	40.000	425/200	
1		and separate property Gary F. Cheon, a married man dealing in his sole	SWN Production Company, LLC	18.00%	935/289	
1		and separate property	SWN Production Company, LLC	18.00%	945/411	
1		Violet Rose Menas, a widow	SWN Production Company, LLC	15.00%	945/426	
1		Frederick Komorowski, a married man dealing in his				
1		sole and separate property Nazarene Church of Moundsville	SWN Production Company, LLC SWN Production Company, LLC	15.00% 17.00%	945/430 Pending	
1		Austin Frye, a married man dealing in his sole and	Sayle Production Company, EEC	17.50%	renang	
1		separate property	SWN Production Company, LLC	15.00%	951/279	
1		Austin Frye, Power of Attorney for Vernon Glen				
1		Frye, a single man	SWN Production Company, LLC	15.00%	951/271	
1		Austin Frye, Power of Attorney for Charles Arnold Frye, a single man	SWN Production Company, LLC	15.00%	951/275	
1		James R. Chaplin, a married man dealing in his sole	STITE TO COLUMN COMPANY, CCC	15.5670	331/2/3	
1		and separate property	SWN Production Company, LLC	15.00%	955/555	
1		Robert McCracken, married, SASP	Chesapeake Appalachia, LLC	15.00%	955/204	
		Harry Riter, Jr., a single man Marlene DeMarco, a widow	SWN Production Company, LLC SWN Production Company, LLC	15.00%	952/100	
1		Constance Kay Hans, a married woman dealing in	array reduction company, LCC	18.00%	955/342	
1		her sole and separate property	SWN Production Company, LLC	13.00%	960/273	
		Laura Miller, a married woman dealing in her sole			_	
1		and separate property Med Chapling a married man dealing in his cole and	SWN Production Company, LLC	15.00%	Pending	
1		Merl Chaplin, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.00%	961/185	
1		Floyd Kevin Chaplin, a married man dealing in his	readition company, LLC	IV.OUR	201/103	l .
		sole and separate property	SWN Production Company, LLC	17.00%	1010/190	1
- 25		Dana Sue Magers, a married woman dealing in her				1
385 1024 nem of		sole and separate property	SWN Production Company, LLC	17.00%	1010/276	1
1.		Crystal L. Bohrer, a/k/a Crystal Bohrer, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	1010/644	1
401		Toman deaning in her sole one separate property	STATE FROM COMPANY, LLC	10.00%	1010/044	1
42		Pamela S. Rushman, a/k/a Pam Rushman, a married				
	_		SWN Production Company, LLC	16.00%	1010/634	
John Sitt	01,	Jane Smith, Power of Attorney for Edith	CUIN Brade street Comments	17 000	1012/500	
1010re		Postlethwaite Carol S. Holmes, Trustee of the JoClare H. Holmes	SWN Production Company, LLC	17.00%	1032/509	
1		Truste, dated July 15, 1997	SWN Production Company, LLC	17.00%	1037/453	
		Martha J. Sego, a married woman dealing in her				
		sole and separate property	SWN Production Company, LLC	17.00%	1035/175	
		Phyllis E. Bogzevitz a/k/a Phyllis Bognevitz, a married woman dealing in her sole and separate				
1		property	SWN Production Company, LLC	17.00%	1035/185	
1		Rodney M. Cheon	SWN Production Company, LLC	18.00%	1047/462	
1		Larry W. Cheon	SWN Production Company, LLC	18.00%	1047/465	
		Archie J. Chaplin, a single man Elmer David Parks and Helen J. Parks, his wife	SWN Production Company, LLC SWN Production Company, LLC	18.00% 17.00%	1053/220 1023/374	
20	7-26-14	Jack Cooper Wallace, divorced			950/51	0.00%
1	Subtact 2		CM/N Draductica Campas : 115	17.00%		
1		Dan Foster Wallace, a married man dealing in his	SWN Production Company, LLC SWN Production Company, LLC		950/46	
1		sole and separate property	the state of the s	17.00%	220/40	
				. 3 per		1
1		Pamela Sue Wallace, a widow	SWN Production Company, LLC	17.00%	950/5 6	

Tract#	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Interest Not Lease Southwestern Production Compa LLC
		Mildred Pyle Strausser and Earl Strausser, her	The Manufactureers Light and Heat Company	12.50%	353/83	
		husband The Manufacturers Light and Heat Comment	Haira Carallas & Oll Caranatina	12.3070		1
		The Manufacturers Light and Heat Company Union Gasoline & Oil Corporation	Union Gasoline & Oil Corporation The Prestion Oil Company		220/353	1
		The Prestion Oil Company	The Manufacturers Light and Heat Company		2/136 2/225	1
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	1
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		675/279	1
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	1
		State II I IS A Construent Beneration In-	SWN Exchange Titleholder LLC (now SWN		33/424	1
		Statoil USA Onshore Properties Inc. Chesapeake Appalachia, LLC	Production Company LLC) SWN Production Company, LLC		25/422	
		SWN Exchange Titleholder LLC	SWN Production Company, LLC		36/422 19/624	
		some a massage consistence of the arm of construction of a supplier facility to the construction of the co			13/024	
	7-26-14	Mildred Pyle Strausser and Earl Strausser, her	The Manufactureers Light and Heat Company	12.50%	353/83	
	Subtract 1	husband		12.50%		
		The Manufacturers Light and Heat Company	Union Gasoline & Oil Corporation		220/353	
		Union Gasoline & Oil Corporation The Prestion Oil Company	The Prestion Oil Company The Manufacturers Light and Heat Company		2/136	1
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		2/225 422/204	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	1
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	1
			SWN Exchange Titleholder LLC (now SWN		33/424	
		Statoil USA Onshore Properties Inc.	Production Company LLC)			
		Chesapeake Appalachia, LLC SWN Exchange Titleholder LLC	SWN Production Company, LLC SWN Production Company, LLC		36/422 19/624	1
		- The state of the	The state of the s		19/024	
21	7-19-38	John C. Richards	SWN Production Company, LLC	16.00%	919/148	0.00%
		Sonia M. Richards	SWN Production Company, LLC	16.00%	919/418	
22	7-19-36				662/322	0.00%
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC			
		Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		36/422	
			SWN Exchange Titleholder LLC (now SWN		33/424	1
		Statoil USA Onshore Properties Inc. SWN Exchange Titleholder LLC	Production Company LLC) SWN Production Company, LLC		19/624	
23	7-19-30.1	Sydney Clark Merritt, f/k/a Sydney Ann Clark, a	Chesapeake Appalachia, LLC		658/490	0.00%
		married woman dealing in her sole and separate		12.50%		
		property				
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Charles L Ackerman, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC	12.50%	663/305	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Charlotte Ackerman, a single woman	Chesapeake Appalachia, LLC	12.50%	662/624	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Arthur Manning Clark, a single man	Chesapeake Appalachia, LLC	12.50%	665/297	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	33/110	
		Mary D. Garret, a widow Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	690/223 33/110	
		спезареаке Арранастіа, ссс	SWIV Floraction company, EEC		33/110	
24	7-19-30	Sydney Clark Merritt, f/k/a Sydney Ann Clark, a	Chesapeake Appalachia, LLC	No. of March	658/490	0.00%
		married woman dealing in her sole and separate		12.50%		
		property Chesapeake Appalachia, LLC	SWN Production Company 115		32/110	1
		Charles L Ackerman, a married man dealing in his	SWN Production Company, LLC Chesapeake Appalachia, LLC	500000000	33/110 663/305	
		sole and separate property	COLUMN TO THE PARTY OF THE PART	12.50%		
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Charlotte Ackerman, a single woman	Chesapeake Appalachia, LLC	12.50%	662/624	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	-	33/110	
		Arthur Manning Clark, a single man	Chesapeake Appalachia, LLC	12.50%	665/297	
noi		Chesapeake Appalachia, LLC Mary D. Garret, a widow	SWN Production Company, LLC Chesapeake Appalachia, LLC	13 500	33/110 690/223	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	33/110	
		Chesapeake Apparacina, LLC	3474 - rounction company, etc.		33/110	
B54 Adjacent	7-27-4	I.D. Franklin and Bessie J. Franklin, husband and				0.00%
Parcel/ Possible		wife	The Manufacturers Light and Heat Company		209/168	
Vellbore)		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC		650/63	1
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc. SWN Production Company, LLC		675/279	
		спезареаке прравасна, СС	SWN Production Company, LLC SWN Exchange Titleholder LLC (now SWN		33/110 33/424	I
		Statoil USA Onshore Properties Inc.	Production Company LLC)		,	
C55	7-27-10	Flora Grathwell (Flo Grathwell) and Sam Grathwell,	The Manufacturers Light and Heat Company	No.	371/581	0.00%
Adjacent Parcel/		her husband; Georgia Snyder and B.L. Snyder, her husband; John P. Franklin and Lucille Franklin, his				-0
		wife				
ossible						

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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 Riter WTZ 5H

Marshall and Wetzel County, West Virginia

Tract #	Tax Parcel	Lemor	Lessee	Royalty	Book/Page	Interest Not Lessed by Southwestern Production Company, LLC
		The Manufacturers Light and Heat Company	Columbia Gas Transmission Corporation		422/204	
		Columbia Gas Transmission Corporation	Columbia Natural Resources, LLC		642/281	
		Columbia Natural Resources, LLC	Chesapeake Appalachia, LLC		650/63	
		Columbia Gas Transmission Corporation	Chesapeake Appalachia, LLC		662/322	
		Chesapeake Appalachia, LLC	Statoilhydro USA Onshore Properties Inc.		675/279	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
			SWN Exchange Titleholder LLC (now SWN		33/424	
		Statoil USA Onshore Properties Inc.	Production Company LLC)			

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Environmental Protection



SWN Production Company, LLC

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

September 9, 2024

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

RE: SWN's proposed New Well: Riter WTZ 5H in Wetzel County, West Virginia, Drilling under Low Gap Run Road, Woodchuck Lane, and Amos Hollow Road.

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 Low Gap Run Road, Woodchuck Lane, and Amos Hollow Road. 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.

Sincerely,

Ian R. Nicas Staff Landman

SWN Production Company, LLC

Office Of Oil and Gas

OCT 08 2024

OCT 08 2024

WV Department of Environmental Protection

R2 ~V+"