

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, December 18, 2024 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for Michael Southworth MSH 10H

47-051-02518-00-00

Extended lateral length

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: Michael Southworth MSH 10H

Farm Name: Barry A & Kimberly S Litman

U.S. WELL NUMBER: 47-051-02518-00-00

Horizontal 6A New Drill Date Modification Issued: 12/18/2024

Promoting a healthy environment.

API NO. 47-051 -	_	
OPERATOR WELL	NO.	Michael Southworth MSH 10H
Well Rad Name:	Michae	I Southworth MSH Dad

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

1) Well Operat	or: SWN F	Production Co.	, LLC	494512924	051-Marshal	6-Sandhi	648-Valley Grove
				Operator ID	County	District	Quadrangle
2) Operator's \	Well Number	r: Michael South	worth M	SH 10H Well Pad	Name: Micha	el Southw	orth MSH Pad
3) Farm Name	Surface Ow	ner: Barry A. & Ki	mberly S.	Litman Public Roa	d Access: Wal	nut Grove	Road
4) Elevation, c	urrent groun	d: 1271'	Ele	evation, proposed	post-construction	on: 1271'	
5) Well Type	(a) Gas	X		Unde			, , , , , , , , , , , , , , , , , , ,
	Other						***************************************
	(b)If Gas	Shallow x	(Deep			
		Horizontal X	_				
6) Existing Pad	l: Yes or No	Yes					
7) Proposed Ta	rget Formati Marcellus, Down-E	ion(s), Depth(s) Dip well to the South, Ta	, Antici arget Top T	pated Thickness at VD- 6521', Target Base TVI	nd Expected Pr D- 6573', Anticipated Th	essure(s): nickness- 52', Ass	sociated Pressure- 4273
8) Proposed To	tal Vertical	Depth: 6552'				****	
9) Formation at	Total Verti	cal Depth: Ma	rcellus				***************************************
10) Proposed T	otal Measur	ed Depth: 21	430'				
11) Proposed H	lorizontal Le	g Length: 14	288.19'				
12) Approxima	te Fresh Wa	ter Strata Deptl	ıs:	632'			
13) Method to 1	Determine F	resh Water Dep	oths: N	earby water well	(Edith Folmar)	
14) Approxima	te Saltwater	Depths: 1403	' Salinity	y Profile on BW E	dge pad		
15) Approxima	te Coal Sean	n Depths: 734					
16) Approxima	te Depth to I	Possible Void (coal mir	ne, karst, other): 1	lone that we a	ire aware o	of.
•		ation contain cont to an active i		Yes X	No		
(a) If Yes, pro	vide Mine I	nfo: Name:	Ohio (County Coal Mine)		
RECEIVE	D	Depth:	743'			****	
Office Of Oil a	nd Gas	Seam:	Pittsb	urgh			
DEC 10	2024	Owner:	Ohio (County Coal Res	ources/ACNR	Inc.	
WV Departmental Properties	nt of rotection	£ 1086250		Strader God 12/06/2024	wer		

API	NO.	47-	051
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OPERATOR WELL NO. Michael Southworth MSH 10H
Well Pad Name: Michael Southworth MSH 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	J-55	94#	136'	136'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	785'	785'	904 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2010'	2010'	770 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	21430'	21430'	Tail 3940sx/ 100' Inside Intermediate
Tubing							
Liners							

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

PACKERS

Kind:		
Sizes:		
Depths Set:		

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Strader Gower
12/06/2024

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Well Pad Name: Michael Southworth MSH Pad

19) Describe proposed well work, including	the drilling and plugging back of any pilot hole:
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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): 16.88
- 22) Area to be disturbed for well pad only, less access road (acres): 9.67
- 23) Describe centralizer placement for each casing string:

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

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

See Attachment ***

25) Proposed borehole conditioning procedures:

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

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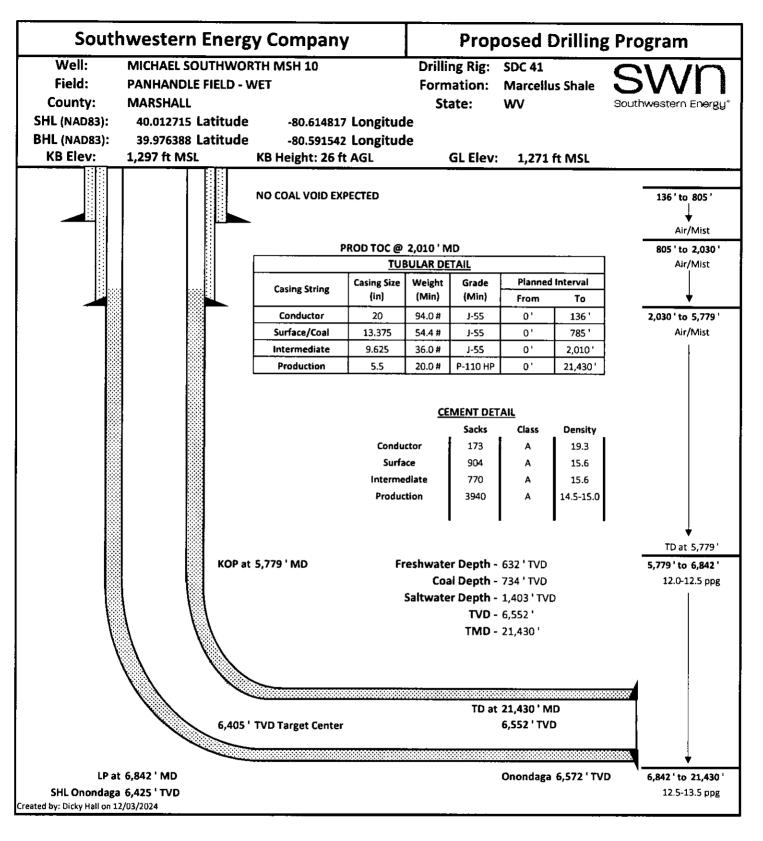
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*Note: Attach additional sheets as needed.



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WV Department of Environmental Protection Strader Gower



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

December 6, 2024

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

RE: Proposed New Well: Michael Southworth MSH 10H

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 DNR C's property, in Cross Creek District, Brooke County, West Virginia.

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

Thank you.

Sincerely,

Brittany Woody

Dittany Woody

Staff Regulatory Specialist

Southwestern Energy Production Company, LLC

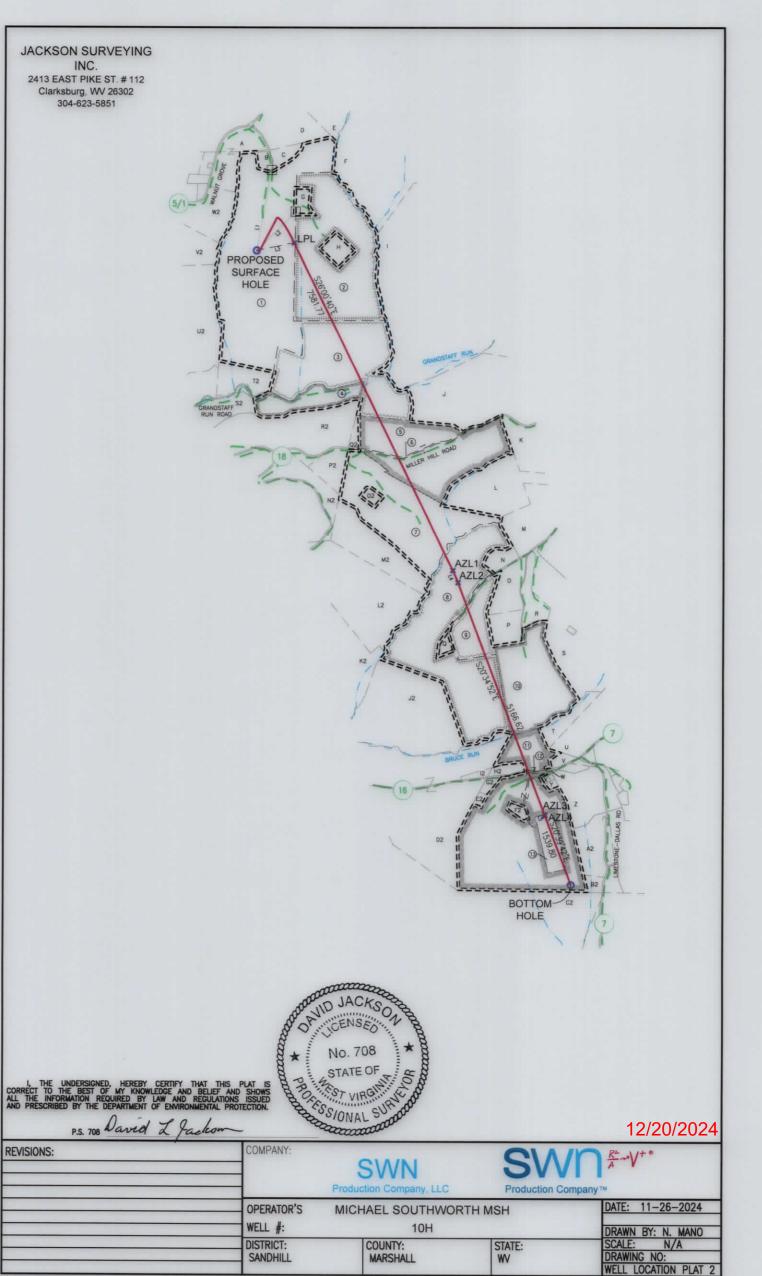
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WV Department of Environmental Protection R-AV+*

2:\2024 BACKUPS\1-02-24 DU\SWN\MICHAEL SOUTHWORTH MSH\WELL PLAT\10H\FINAL\11-26-24\SOUTHWORTH MSH 10H 11-26-24.DWG
TUESDAY NOVEMBER 26 2024 08:00AM

PROPERTY NUMBER 2501163525 PAD ID 3001155600



L Z:\2024 BACKUPS\1-02-24 DJ\SWN\MICHAEL SOUTHWORTH TUESDAY NOVEMBER 26 2024 08:00AM

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

		ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARC			
A	LITMAN JAMES M & LUCY A	12-2-16.1			
В	RADCLIFFE JOHN D & ANNA M	12-2-10.1			
C	LITMAN BARRY A	12-2-10.2			
D	VELLENOWETH SCOTT U ET UX	12-2-1.1			
E	BLATT THERESA L	12-2-23			
F	BAIRD FAMILY TRUST	12-2-2			
G	GREGORY JOHN W ET UX	12-2-9.1			
Н	REINEKE RICHARD S	12-2-9.2			
1	TUBAUGH NORMA HUNTER ET AL	12-2-5			
1	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-1			
K	GODDARD THERESA M	12-8-8			
L	CORNELL SALLY SEIBERT & ROBERT	12-8-5			
M	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-6			
N	TOLAND CARRIE M	12-8-33.1			
0	JOHNSON LONI M & JAMES A	12-8-31.1			
P	WINTERS BEVERLY DIANE	12-8-31.2			
Q	TOLAND DAVID ET UX	12-8-33.2			
R	ALAMINSKI LUCINDA RUTH	12-8-31.3			
S	GRAY ZANDE C	12-8-30			
T	STORCH JOSEPH WILLIAM ET UX	12-11-7			
U	STORCH JOSEPH WILLIAM ET UX	12-11-12			
V	GRAY WYATT MATTHEW	12-11-8.6			
W	GRAY DONALD G ET UX - TOD	12-11-8.2			
X	RUNKLE MICHELLE LEE	12-11-8.1			
Y	RUNKLE MICHELL LEE	12-11-8.7			
Z	KLAGES MARY ANN	12-11-10			
A2	HILLBERRY GARRY L	12-11-9			
B2	HILLBERRY PAUL E JR	12-11-9.3			
C2	THOMAS RICHARD LEE BARTON	12-11-16			
D2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-4			
E2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-8.4			
F2	RAYMOND JOHN	12-11-8.9			
G2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-8.3			
H2	GRAY WYATT MATTHEW	12-11-8.5			
12	TEMPLE DONALD LEE	12-11-4.1			
12	TOLAND SONDRA J & WILLIAM E	12-9-17			
K2	MERINAR CALVIN C - LIFE	12-9-18			
L2	MERINAR CALVIN C - LIFE	12-9-16			
M2	MERINAR CALVIN C - LIFE	12-8-34			
N2	RICHEY DUSTIN & FELICIA FRANCIS	12-8-35.1			
02	MERINAR JAMES MARTIN ET UX	12-9-15.1			
P2	MERINAR CALVIN C - LIFE	12-9-15.1			
Q2	TOTH JOHN J SR & ALICE - TRUST	12-9-15			
R2	PORTER CARLA S	12-9-13			
52	GIBSON WILLIAM E	CONCERNION -			
T2	G F P CORP	12-9-12			
U2		12-2-12			
V2	WV BRIGHTMONT LLC	12-2-14			
W2	EDGE WILLIAM F JR - TOD ET AL EDGE WILLIAM F JR - TOD ET AL	12-2-15 12-2-16			

*Highlighted F	arcels may	be impacted	during drilling.

	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S/R)	12-2-10
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINEKE RICHARD S (S)	12-2-9
3	TDL&G LLC (S)	12-2-8
4	G F P CORP (S)	12-2-7
5	TOTH JOHN J SR & ALICE - TRUST (S)	12-8-4
6	W VA OF DEPT OF HIGHWAYS (S)	Miller Hill Rd
7	RICHEY RANDY ET UX (S)	12-8-35
8	TOLAND WILLIAM EUGENE ET AL (S)	12-8-33
9	TOLAND MARGARET (S)	12-8-32
10	WINTERS BEVERLY DIANE (S)	12-11-6
11	GRAY DONALD G - TOD & GRAY WYATT MATTHEW (S)	12-11-8
12	W VA OF DEPT OF HIGHWAYS (S)	Caldwell Hill Rd
13	OHIO COUNTY COAL RESOURCES INC (S)	12-11-8.8

12/20/2024

REVISIONS:	COMPANY:	SWN Production Company, LLC	SVV Production Com	Pany™	
	OPERATOR'S WELL #:			DATE: 11-26-2024 DRAWN BY: N. MANO	
	DISTRICT: SANDHILL	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 3	

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
Nu	mber	

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Exhibit "A"

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

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.

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WV Department of Environmental Protection Well Operator: SWN Production Company, LLC

By: Andrew M. Smith Only M. Smith

Its: Landman

EXHIBIT "A"

Michael Southworth MSH 10H

Marshall County, West Virginia

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	Book/Page	% Interes Not Lease by SWN
1 12-2-1	12-2-10	728963/005	Salvation Army	Chesapeake Appalachia, L.L.C.	18.00%	723/10	0.00%
			Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		27/166	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
			Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
		725102/001		Chesapeake Appalachia, L.L.C.	12.50%	676/179	0.00%
			property Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		728963/001	Mable L. Riggle, a widow	Chesapeake Appalachia, L.L.C.	18.00%	722/602	0.00%
			Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		25/582	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
			Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
		728963/003	Gregory Williams, single man	Chesapeake Appalachia, L.L.C.	18.00%	723/376	0.00%
			Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		27/166	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
			Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
		728963/002	Elm Grove United Methodist Church	Chesapeake Appalachia, L.L.C.	18.00%	722/606	0.00%
			Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		27/166	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110 88 7 110 97 7 110 97 110 97 110 110 110 110 110 110 110 110 110 11	1 0 2024 partment of ental Protection

Michael Southworth MSH 10H

Marshall County, West Virginia

				Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	- 1
			728963/004	Dolores E. Williams, divorced and not remarried	Chesapeake Appalachia, L.L.C.	18.00%	723/382	0.00%
				Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		27/166	
				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
				Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
H	2	12-2-9	724960/000	Richard S. Reineke and Charlene R. Reineke, his wife	Chesapeake Appalachia, L.L.C.	18.00%	676/341	0.00%
				Chesapeake Appalachia, L.L.C.	Statoilhydro USA Onshore Properties Inc.		21/565	
				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
				Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
	3	12-2-8	730186/000	John W. Gregory and Donna R. Gregory, his wife	Great Lakes Energy Partners, L.L.C.	12.50%	653/367	0.00%
				Great Lakes Energy Partners, L.L.C.	Range Resources - Appalachia, LLC		19/443	
				Range Resources - Appalachia, LLC	Chesapeake Appalachia, L.L.C.		23/368	
				Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		24/363	
				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
				Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
H	4	12-2-7	726892/000	GFP Corporation, a West Virginia Corporation	Chesapeake Appalachia, L.L.C.	18.75%	700/209	0.00%
				Chesapeake Appalachia, L.L.C.	Statoil USA Onshore Properties Inc.		23/512 Q S	0 2024 tment of al Protecti
				Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110 📆 💍	10 apartmi ental
				Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		23/512 pure 33/110 DE 5	DEC 10 2024 WV Department of Sinvironmental Protections

EXHIBIT "A"

Michael Southworth MSH 10H

Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

5 12-	12-8-4	727778/000	John Joseph Toth, Sr., a/k/a John J. Toth Sr. and Alice Joann Toth, husband and wife	Chesapeake Appalachia, L.L.C.	18.75%	710/390	0.00
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
6	Miller Hill Road	747371/000	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	20.00%	955/69	0.00
7	12-8-35	732585/000	Larry R. Richey, also known as Randy Richey, and Helen E. Richey, his wife	TriEnergy Holdings, LLC	14.00%	691/90	0.00
			TriEnergy Holdings, LLC	NPAR, LLC		23/74	
			NPAR, LLC	Chesapeake Appalachia, L.L.C.		25/637	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
8	12-8-33	748871/009	Linda K. Canann, a widow	TH Exploration, LLC	15.00%	1129/413	0.00
			TH Exploration, LLC	SWN Production Company, LLC		51/595	
		748871/010	David E. Toland, Jr., a single man	TH Exploration, LLC	15.00%	1137/653	0.00
			TH Exploration, LLC	SWN Production Company, LLC		51/595	
		748871/004	Bonnie Dougherty, a single woman	SWN Production Company, LLC	18.00%	1025/187	0.00
		748871/007	Brenda Midcap F/K/A Brenda Cain, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1035/497	0.00
		748871/006	Carrie Margaret Toland, a widow	SWN Production Company, LLC	18.00%	1029/97	0.00
		748871/005	Charles Seamon, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1025/641	0.00
		748871/013	Darla Kroes, married, dealing in her separate property	SWN Production Company, LLC	18.00%	1165/590	0.00
		748871/008	Donald J. Toland, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1073/38	0.00
		748871/003	• • •	SWN Production Company, LLC	18.00%	1024/506	0.00

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WV Department of Environmental Protection

Michael Southworth MSH 10H Marshall County, West Virginia

Pending	Family Tree Corporation, a Wyoming Corporation, represented herein by J. Christopher Dykes, Co-President, and Michael L. Dykes, Co-President	SWN Production Company, LLC	18.00%	1177/87	0.00%
Pending	Master Mineral Holdings I, LP, a Texas Limited Partnership	SWN Production Company, LLC	18.00%	1188/166	0.00%
748871/002	Paul Dougherty, a single man	SWN Production Company, LLC	18.00%	1024/501	0.00%
733623/001	Ronald Toland, a single man	AB Resources LLC	16.00%	764/621	0.00%
	AB Resources LLC	Chevron U.S.A., Inc.	/ED _	29/277	
	Chevron U.S.A., Inc.	Office Of Oll Statoil USA Onshore Properties Inc.	and Gas	30/494	
	Chevron U.S.A., Inc.	Chesapeake Appalachia, L.L.C.		30/532	
	Chesapeake Appalachia, L.L.C.	WV Departs SWN Production Comparts With Production Comparts WV Departs	Protection	33/110	
	Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
748871/011	Sandra Ferry	SWN Production Company, LLC	18.00%	1165/595	0.00%
748871/012	Sandy Diane Maddox and Randall Maddox, wife and husband	SWN Production Company, LLC	18.00%	1165/585	0.00%
748871/001	Shirley Dougherty, a single woman	SWN Production Company, LLC	18.00%	1024/511	0.00%
748871/014	The Jeff Toland Trust, U/A dated November 21, 2022	SWN Production Company, LLC	18.00%	1166/280	0.00%
733624/001	Linda Jako and John Jako, her husband	AB Resources LLC	16.00%	764/625	0.00%
	AB Resources LLC	Chevron U.S.A., Inc.		29/277	
	Chevron U.S.A., Inc.	Statoil USA Onshore Properties Inc.		30/494	
	Chevron U.S.A., Inc.	Chesapeake Appalachia, L.L.C.		30/532	}
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	İ
	Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	ŧ
733612/001	Joseph C. Pierce, Jr., and Marie A. Pierce, his wife	Chevron U.S.A., Inc.	16.00%	780/262	0.00%
	Chevron U.S.A., Inc.	Statoil USA Onshore Properties Inc.		30/494	- [
	Chevron U.S.A., Inc.	Chesapeake Appalachia, L.L.C.		30/532	ŀ
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	l
733608/001	Carrie Margaret Toland, a widow	Chevron U.S.A., Inc.	16.00%	781/490	0.00%

Michael Southworth MSH 10H

Marshall County, West Virginia

			Chevron U.S.A., Inc.	Statoil USA Onshore Properties Inc.	30/494	
			Chevron U.S.A., Inc.	Chesapeake Appalachia, L.L.C.	30/532	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	33/110	
			Statoil USA Onshore Properties Inc.	SWN Production Company, LLC	33/424	
		733618/001	William E. Toland and Sondra J. Toland, his wife	Chevron U.S.A., Inc. 16.00%	787/ 237	0.00%
			Chevron U.S.A., Inc.	Statoil USA Onshore Properties Inc.	30/494	
			Chevron U.S.A., Inc.	Chesapeake Appalachia, L.L.C.	30/532	
			Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	33/110	
			Statoil USA Onshore Properties Inc.	SWN Production Company, LLC	33/424	
9	12-8-32	751318/004	Todd Taylor, Single	American Petroleum Partners	1053/504	0.00
				Operating, LLC	40/202	
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC	48/263	0.00
		751318/009	Tammi Adams	SWN Production Company, LLC	1168/282	0.00
		785902/001	Lori Taylor Slane, f/k/a, Lori Albers, married, dealing in her separate property	SWN Production Company, LLC	1168/276	0.00
		785902/002	Edward Taylor	SWN Production Company, LLC	1168/613	0.00
		751318/005	Master Mineral Holding I, L.P., a Texas Limited Partnership	American Petroleum Partners Operating, LLC	912/109	0.00
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC	48/263	
		751318/001	Darrell D. Taylor and Beverly Sue Taylor, husband and wife	American Petroleum Partners Operating, LLC	926/121	0.00
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC	48/263	
		751318/002	George Daniel Taylor and Suzette L. Taylor, husband and wife	RECEIVED American Petroleum Partne office Of Oil and Gas Operating, LLC	927/327	0.00
			American Petroleum Partners Operating, LLC	SWN Production Company, LLCDEC 1 0 2024	48/263	
		751318/003	Georganne L. Taylor, a widow	American Petroleum Partners WV Department of Operating, LLC Environmental Protection	927/343	0.00
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC	48/263	
		751318/007	James Randall Taylor, Jr., a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	976/495	0.0
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC	48/263	
		751318/008	Milissa Taylor, single	American Petroleum Partners Operating, LLC	978/612	0.00
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC	48/263	

Michael Southworth MSH 10H Marshall County, West Virginia

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Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator Environmental Protection

					Civilonmental Pro	rection	
10	12-11-6	750040/000	Beverly Diane Winters	American Petroleum Partners	18.00%	910/27	0.00%
		750019/000		Operating, LLC			
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
11	12-11-8	785763/001	Wyatt Matthew Gray, single	SWN Production Company, LLC	18.00%	1160/646	0.00%
		750012/000	Donald G. Gray, a married man dealing in his sole and separate	American Petroleum Partners	19.00%	910/636	0.00%
			property	Operating, LLC			
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
12	Caldwell Hill	786407/000	West Virginia Department of Transportation, Division of Highways	S SWN Production Company, LLC	20.00%	1187/287	0.009
	Road						
13	12-11-8.8	Pending	CNX Gas Company LLC	SWN Production Company, LLC	18.00%	1193/668	0.00%
H2	12-11-8.5	750124/001	Donald G. Gray, a married man dealing in his sole and separate	American Petroleum Partners	18.00%	1033/541	0.009
			property	Operating, LLC			
			American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		749004/012	Teri Lynn Utt, as Trustee under the Testamentary Trust Howard S. McWhorter	SWN Production Company, LLC	15.00%	1174/87	0.00
		749004/006	Teri Lynn Utt, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	1035/492	0.00
		749004/005	Sharon K. Vargo, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1034/449	0.00
		749004/004	Russell W. Gray, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1037/363	0.00
		749004/008		SWN Production Company, LLC	15.00%	1035/492	0.00
		749004/003		SWN Production Company, LLC	18.00%	1034/455	0.00
		749004/007	John S. Gray, widower	SWN Production Company, LLC	18.00%	1037/363	0.00
		749004/010	Linda South, divorced	SWN Production Company, LLC	18.00%	1174/99	0.00
		Pending	Russell Bennett, married, dealing in his separate property	SWN Production Company, LLC	18.00%	1174/741	0.00
		749004/011	Kenneth Beckner, married, dealing in his separate property	SWN Production Company, LLC	18.00%	1174/718	0.00
		Pending	David Beckner, married, dealing in his separate property	SWN Production Company, LLC	18.00%	1174/724	0.00
		Pending	Emily Kenny, married, dealing in her separate property	SWN Production Company, LLC	18.00%	1186/185	0.00
			H (1974) 1 2 2 3 3 3 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SWN Production Company, LLC	18.00%	1034/455	0.00
		749004/002	Donna Mae Icard, widow				
		749004/001	Allan P. Gray, single	SWN Production Company, LLC	18.00%	1033/337	0.00

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



SWN Production Company, LLC

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

December 4, 2024

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

RE: SWN's proposed New Well: Michael Southworth MSH 10H in Marshall County, West Virginia, Drilling under Miller Hill Road and Caldwell Hill 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 Miller Hill Road and Caldwell Hill 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,

Andrew M. Smith, RPL

Landman

SWN Production Company, LLC

anh m. Suit

Office Of OH and Gas
DEC 1 0 2024

WV Department of Environmental Protection

