

west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, January 9, 2023 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

#### SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359 SPRING, TX 773914954

Re: Permit Modification Approval for ROTH 6H 47-069-00349-00-00

Freshwater Casing Depth Shortened, Surface Owner Re-Notice

### 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 A Mailt Chief

Operator's Well Number:ROTH 6HFarm Name:ROTH FARMS, LLCU.S. WELL NUMBER:47-069-00349-00-00Horizontal 6ANew DrillDate Modification Issued:01/09/2023

Promoting a healthy environment.

# API NO. 47-069 \_ 00349

OPERATOR WELL NO. Roth OHI 6H

•1

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Well Pad Name: Roth OHI

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION							
1) Well Operator: S	WN Produ	ction Co., LLC	494512924 Operator ID	069-Ohio County	005-Rich 641-Tiltonsville District Quadrangle		
2) Operator's Well Number: Roth OHI 6H Well Pad Name: Roth OHI							
3) Farm Name/Surface Owner: Roth Farms, LLC Public Road Access: Clearview Avenue							
4) Elevation, current ground:       1004.0       Elevation, proposed post-construction:       1010'         5) Well Type       (a) Gas       X       Oil       Underground Storage							
Other (b)If	Gas Shal	llow <u>x</u> izontal <u>x</u>	Deep				
7) Proposed Target Fo	<ul> <li>6) Existing Pad: Yes or No <u>No</u></li> <li>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- 5753', Target Base TVD- 5808', Anticipated Thickness- 55', Associated Pressure- 3775</li> </ul>						
8) Proposed Total Ve	rtical Depth	n: 5797'					
9) Formation at Total	Vertical De	epth: Marcellu	S		RECEIVED		
10) Proposed Total Measured Depth: 26619' Office of Oil and Gas							
11) Proposed Horizontal Leg Length: 19499.53 DEC 21 2022							
12) Approximate Fresh Water Strata Depths: 422' WV Department of Environmental Protection							
13) Method to Determine Fresh Water Depths: Nearby well 47-069-00012							
14) Approximate Saltwater Depths: 1119' reported in nearby wells							
15) Approximate Coal Seam Depths: <u>170'</u>							
16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 200.							
17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No _X							
(a) If Yes, provide N	Mine Info:	Name: Valle	ey Camp NO 1				
		Depth: 170	& 811'				
Seam: Pittsburgh							
	Owner: Valley Camp Coal						

Strader Gower 12/12/2022

API NO. 47-009 -OPERATOR WELL NO. Roth OHI 6H Well Pad Name: Roth OHI

WW-6B (04/15)

### 18)

## CASING AND TUBING PROGRAM

ТҮРЕ	<u>Size</u> (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	<u>Weight per ft.</u> (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	126'	126'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	467'	467'	585 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1706'	1706'	634 sx/CTS
Production	6"	New	P-110 HP	24#	0'	6500'	
Production	5 1/2"	New	P-110 HP	20#	6500'	26619'	Tail 3777sx/ 100' Inside Intermediate
Liners							

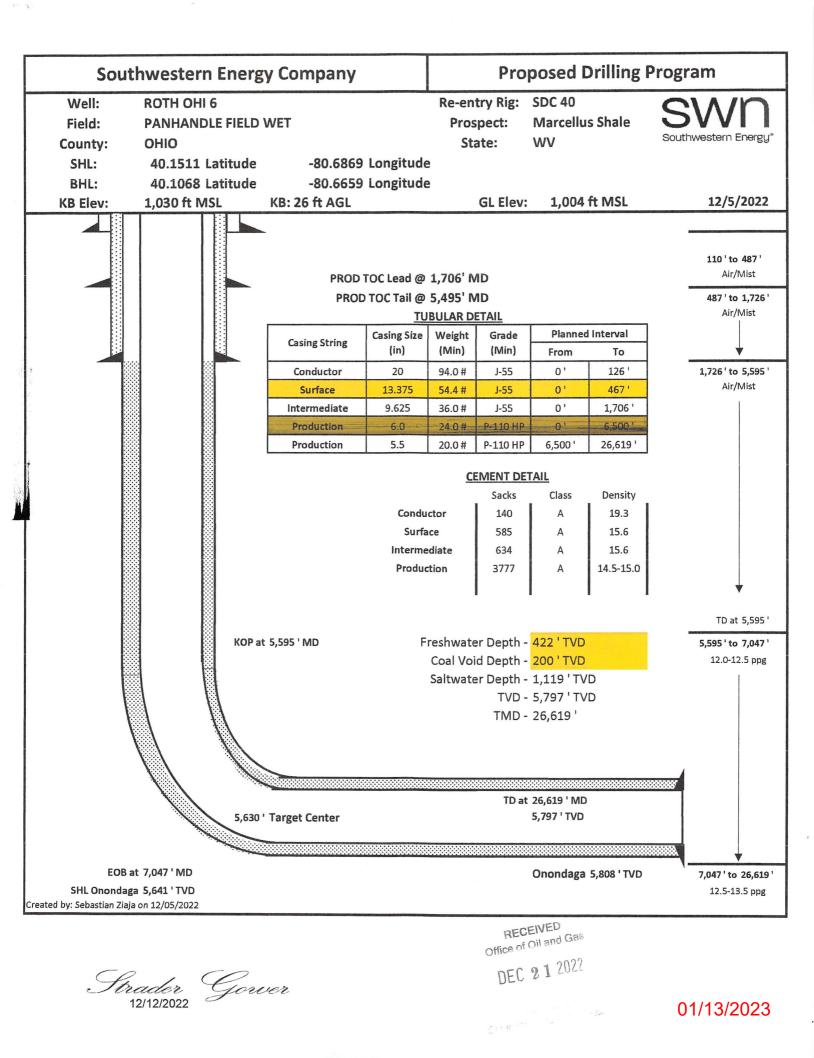
ТҮРЕ	Size (in)	<u>Wellbore</u> Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

### **PACKERS**

	PACKERS	RECEIVED Gas
Kind:		RECEIVED GAS Office of Cill and GAS
Sizes:		DEL DEL DEL DEL DI
Depths Set:		Environment

Strader Gower 12/12/2022

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#### After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



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

December 20, 2022

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

RE: Proposed Expedited Modification:

101102

Roth OHI 10H 269-80339 Roth OHI 6H - 61-00349 Roth OHI 206H - 61-00349 Roth OHI 8H - 69-00348 RECEIVED Office of Oil and Gas

DEC 21 2022

WV Department of Environmental Protection

Dear Mr. Brewer:

Enclosed please find the required documents to modify the above mentioned wells. We would like to modify the FW Casing Depth on these wells. This well is situated on the Roth's property, in Richland District, Ohio County, West Virginia.

Enclosed you will find:

-6B -WBD

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

Thank you.

Sincerely,

Brtttany Woody

Brittany Woody Senior Regulatory Analyst Southwestern Energy Production Company, LLC



The Right People of the cash low from our underlying Assets, will create Value+®



Stansberry, Wade A <wade.a.stansberry@wv.gov>

#### Expedited Modification Horizontal H6A Well Work Permit API : (47-069-00339, 47-069-00348, 47-069-00349, 47-069-00350)

1 message

#### Stansberry, Wade A <wade.a.stansberry@wv.gov>

Mon, Jan 9, 2023 at 10:41 AM To: Brittany Woody <Brittany Woody@swn.com>, Liz Gee <liz gee@swn.com>, Mark Musick <mmusick@assessor.org>, "Gayne J. Knitowski" <gayne.j.knitowski@wv.gov>

I have attached a copy of the newly issued well permit number(s):

47-061-00339 - ROTH OHI 10H 47-061-00348 - ROTH 8H 47-061-00349 - ROTH 6H 47-061-00350 - ROTH 206H

These will serve as your copy.

Thank you,

Wade A. Stansberry

**Environmental Resource Specialist 3** 

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

#### 4 attachments

47-069-00350 - mod.pdf 74 3013K

- 47-069-00348 mod.pdf 7-2898K
- 47-069-00339 mod.pdf 권 3429K
- **47-069-00349 mod.pdf** 2013K 7-