

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

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 206H

47-069-00350-00-00

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

Chief

Operator's Well Number: ROTH 206H

Farm Name: ROTH FARMS, LLC

U.S. WELL NUMBER: 47-069-00350-00-00

Horizontal 6A New Drill Date Modification Issued: 01/09/2023

Promoting a healthy environment.

OPERATOR WELL NO. Roth OHI 206H

Well Pad Name: Roth OHI

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

0111	
W#1	071134 5000

1) Well Operator: SWN Production	Co., LLC	494512924	069-Ohio	005-Rich	641-Tiltonsville
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: Roth OF	II 206H	Well Pad	Name: Roth (DHI	
3) Farm Name/Surface Owner: Roth	Farms, LLC	Public Road	d Access: Clea	rview Ave	nue
4) Elevation, current ground: 1004	0 Ele	evation, proposed p	oost-construction	on: 1010'	
5) Well Type (a) Gas X	Oil	Unde	rground Storag	e	
Other					
(b)If Gas Shallow	X	Deep			
Horizonta	ıl X				
6) Existing Pad: Yes or No No		1			
7) Proposed Target Formation(s), Dep Target Formation- Marcellus, Down Dip Well To the S					ssociated Pressure- 3770
8) Proposed Total Vertical Depth: 57	'89'		ang ay ang atang at ang		
9) Formation at Total Vertical Depth:	Marcellus				
,				RECEI	VED
10) Proposed Total Measured Depth:	25546'			Office of O	Land Gas
11) Proposed Horizontal Leg Length:	18481.78			nFC 2	1 2022
12) Approximate Fresh Water Strata I	Depths:	422'		WV Det	-rimoth (X
				19(7) //4:	
13) Method to Determine Fresh Water	Depths: N	learby well 47-06	9-00012	Environma	ntal Protection
13) Method to Determine Fresh Water 14) Approximate Saltwater Depths:				Environme	ntal Protection
	1119' reporte			Environme	ntal Protection
14) Approximate Saltwater Depths:	1119' reporte	ed in nearby wells		Environme	ntal Protection
14) Approximate Saltwater Depths:15) Approximate Coal Seam Depths:	1119' reported 170' poid (coal minuin coal seam	ed in nearby wells ne, karst, other):		Environme	ntal Protection
14) Approximate Saltwater Depths:15) Approximate Coal Seam Depths:16) Approximate Depth to Possible Vol.17) Does Proposed well location contains.	170' oid (coal min coal sean tive mine?	ne, karst, other): F	Possible Void 2	Environme	ntal Protection
 14) Approximate Saltwater Depths: 15) Approximate Coal Seam Depths: 16) Approximate Depth to Possible Ventor 17) Does Proposed well location contadirectly overlying or adjacent to an account 	170' oid (coal min tin coal seam tive mine? Valley	ed in nearby wells ne, karst, other): F s Yes Camp NO 1	Possible Void 2	Environme	ntal Protection
 14) Approximate Saltwater Depths:	170' oid (coal min tin coal seam tive mine? he: Valley	ed in nearby wells ne, karst, other): F s Yes Camp NO 1	Possible Void 2	Environme	ntal Protection

Di	NIO	47	000	
וא	MO	47-	009	

OPERATOR WELL NO. Roth OHI 206H

Well Pad Name: Roth OHI

18)

CASING AND TUBING PROGRAM

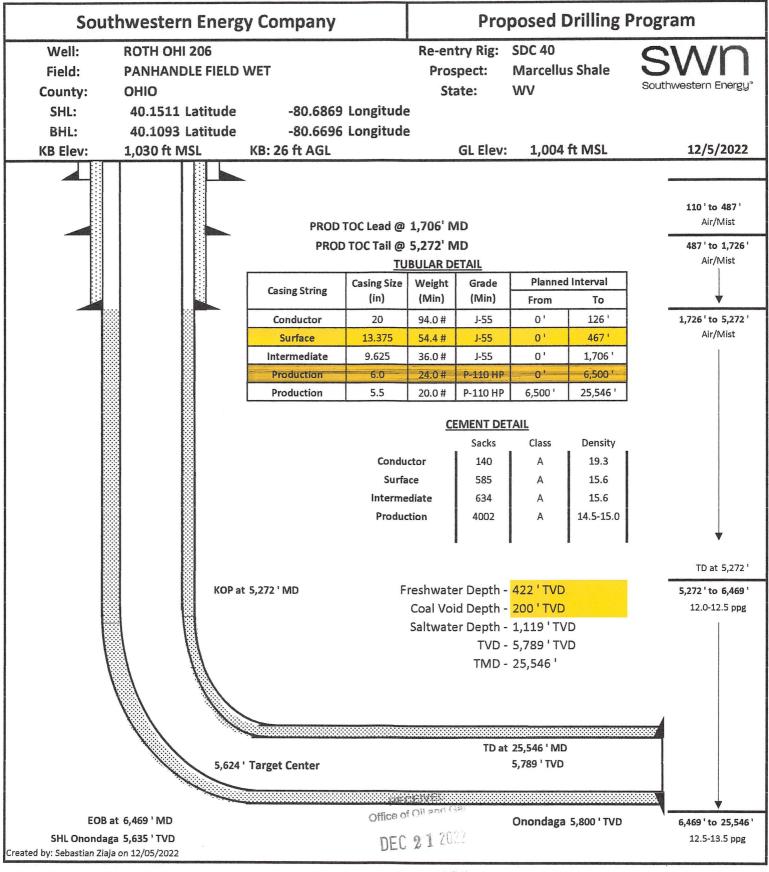
TYPE	Size (in)	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	110'	110'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	505'	505'	585 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	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'	25546'	Tail 4002sx/ 100' Inside Intermediate
Liners							

ТҮРЕ	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"	0.380	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							

PA	CKERS
HILM	CHELLEN

			DEC OT
Kind:			DEC 21
			WV Datas U.S.
Sizes:		F	WV Dapa (1877) Environmental President
Depths Set:			

Strader Gower 12/12/2022 RECEIVED



Strader Gower

WV Departman



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.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

December 20, 2022

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

RE: Proposed Expedited Modification:

Roth OHI 10H 67-80339
Roth OHI 6H - 61-00349
Roth OHI 206H-69-00350

Roth OHI 8H - 69-00348

RECEIVED
Office of Oil and Ges

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,

Brittany Woody

Brittany Woody Senior Regulatory Analyst Southwestern Energy Production Company, LLC





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

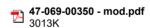
Charleston, WV 25304

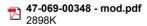
(304) 926-0499 ext. 41115

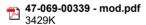
(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

4 attachments







47-069-00349 - mod.pdf 2013K