

west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Monday, November 23, 2020 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re:

Permit Modification Approval for BRIAN TESLOVICH BRK 201H

47-009-00323-00-00

Modified for Cement Yield

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: BRIAN TESLOVICH BRK 201H

Farm Name: BRIAN L. TESLOVICH

U.S. WELL NUMBER: 47-009-00323-00-00

Horizontal 6A New Drill

Date Modification Issued: November 23, 2020

Promoting a healthy environment.

WW-6B (04/15) API NO. 47-009 OPERATOR WELL NO. Brian Teslovich BRK 201H
Well Pad Name: Brian Teslovich BRK

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

1) Well Operator: SWN Produ	ction Co., LLC	494512924	009- Brooke	3-Buffalo	641-Tiltonsville		
Management of the Control of the Con	3	Operator ID	County	District	Quadrangle		
2) Operator's Well Number: Bria	an Teslovich BRI	K 201H Well Pad	Name: Brian	Teslovich	BRK		
3) Farm Name/Surface Owner:	Brian L. Teslovio	h Public Roa	d Access: McC	Cord Hill Ro	oad		
4) Elevation, current ground:	1149' Ele	evation, proposed	post-construction	on: 1151'			
5) Well Type (a) Gas X Other	Oil	Unde	erground Storag	ge			
(b)If Gas Shal	low x	Deep					
Hor	izontal X			1.75	10		
6) Existing Pad: Yes or No No					(Od FESEIVE		
7) Proposed Target Formation(s) Target Formation- Marcellus, Up-Dip well to	, Depth(s), Antici	pated Thickness a	nd Expected Pr	ressure(s):	Cilida of Oli all Gue		
1		VD- 5755, Target base TV		11110K11633- 31, 1	NOV 0 4 2020		
8) Proposed Total Vertical Depth	5768'				W Department		
9) Formation at Total Vertical Depth: Marcellus							
10) Proposed Total Measured De	epth: 17,575'						
11) Proposed Horizontal Leg Lei	ngth: 11,345.61						
12) Approximate Fresh Water Strata Depths: 115'							
13) Method to Determine Fresh Water Depths: Nearby spring							
14) Approximate Saltwater Depths: 405'- Salinity Profile							
15) Approximate Coal Seam Depths: 266'							
16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 266'							
17) Does Proposed well location directly overlying or adjacent to		ns Yes	No	<u>x</u>			
(a) If Yes, provide Mine Info:	Name: Winds	sor Coal Compar	ny/CONSOL				
	Depth:						
	Seam:						
	Owner:						

WW-6B (04/15) 47_{P1}00900323mop

OPERATOR WELL NO. Brian Teslovich BRK 201H
Well Pad Name: Brian Teslovich BRK

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	320'	320'	323 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1609'	1609'	632 sx/CTS
Production	5 1/2"	New	HCP-110	20#	17575'	17575'	lead 776sx/Tail 2767sx/ 100' Inside Intern
Tubing							
Liners							

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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"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing			The state of the s	
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.20/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners						Offic	RECEIVEL e of Oil and

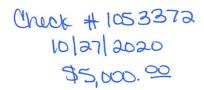
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WV Deer Internal Pro .

PACKERS

Kind:		
Sizes:		
Depths Set:		





9-00323 MOD

SWN Production Company, LLC

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

November 2, 2020

Ms. Laura Adkins Office of Oil & Gas 601 57th Street Charleston, WV 25304

RE: Proposed Expedited Modification: Brian Teslovich BRK 201H

Dear Ms. Adkins

Enclosed please find a modification for the above captioned well. We made changes to the cement yield on page two of the 6B per the DEP inspector's request. This well is situated on the Teslovich's property, in Buffalo District, Brooke County, West Virginia. Enclosed documents:

-Updated 6B

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

Thank you.

Sincerely,

Brittany Woody

Senior Regulatory Analyst

Southwestern Energy Production Company, LLC

Office of Oil & 2020

WV Departmental From

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