

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-103-00116-00-00 County Wetzel District Proctor  
Quad Wileyville, WV Pad Name \_\_\_\_\_ Field/Pool Name Victory A  
Farm name Blake, Freeman Well Number 3525  
Operator (as registered with the OOG) Columbia Gas Transmission, LLC  
Address 1700 MacCorkle Ave. S.E., P.O. Box 1273 City Charleston State WV Zip 25325

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As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 439990.774 Easting 1632613.576  
Landing Point of Curve Northing N/A Easting N/A  
Bottom Hole Northing Not measured (vertical wellbore) Easting Not measured (vertical wellbore)

Elevation (ft) 1310' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
\_\_\_\_\_  
\_\_\_\_\_

Date permit issued 4/4/2023 Date drilling commenced N/A Date drilling ceased N/A  
Date completion activities began 9/20/2023 Date completion activities ceased \_\_\_\_\_  
Verbal plugging (Y/N) N/A Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 110' and 1100' (as reported by the Driller in 1936). Open mine(s) (Y/N) depths \_\_\_\_\_ N  
Salt water depth(s) ft 1835' and 1989' (as reported by the Driller in 1936). Void(s) encountered (Y/N) depths \_\_\_\_\_ N  
Coal depth(s) ft 1001'-1005' (Mapletown); 1100'-1108' (Pittsburgh) Cavern(s) encountered (Y/N) depths \_\_\_\_\_ N  
Is coal being mined in area (Y/N) \_\_\_\_\_ Y

**APPROVED**

Reviewed by: [Signature]  
12-21-23

03/01/2024

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Well number 3525

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor		13-3/8"	16'				
Surface		10-3/4"	484'		32.75		
Coal		8-5/8"	1453'		24		
Intermediate 1		7"	2070'		20		
Intermediate 2							
Intermediate 3							
Production		4-1/2"	2150'		11.6		
Tubing							
Packer type and depth set							

Comment Details Casing was not altered during workover operations.

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WOC  
Top (MID)

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )
Conductor		N/A			
Surface		45 sx.			
Coal		300 sx.			
Intermediate 1		200 sx.			
Intermediate 2					
Intermediate 3					
Production		109 sx.			
Tubing					

Drillers TD (ft) 2116'

Loggers TD (ft) 2116'

Deepest formation penetrated Maxton

Plug back to (ft) \_\_\_\_\_

Plug back procedure \_\_\_\_\_

Kick off depth (ft) \_\_\_\_\_

Check all wireline logs run

- caliper     density     deviated/directional     induction  
 neutron     resistivity     gamma ray     temperature     sonic

Well cored  Yes  No

Conventional    Sidewall

Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

WAS WELL COMPLETED AS SHOT HOLE  Yes  No    DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No    DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No    TYPE OF TRACER(S) USED \_\_\_\_\_

03/01/2024

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**PERFORATION RECORD**

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	8/30/2016	2086'	2096'	6 SPF	Maxton
	8/30/2016	2096'	2106'	6 SPF	Maxton
	8/30/2016	2106'	2116'	6 SPF	Maxton
Note: Did not add new perforations.					

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Please insert additional pages as applicable.

**STIMULATION INFORMATION PER STAGE**

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
	9/21/23		1145 psi				57 bbl	111 MSCF N2
	9/28/23	14 BPM	2849 psi	2282 psi	1604 psi	20100 lbs	352 bbls	210 gal HCl 65.7MMSCFN2

Please insert additional pages as applicable.



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PRODUCING FORMATION(S)

DEPTHS

Maxton	2075'-2116'	TVD	2075'-2116'	MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 754 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 0.75 hrs

OPEN FLOW Gas 6678 mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  Estimated  Orifice  Pilot

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LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, I <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

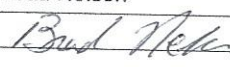
Drilling Contractor \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Stimulating Company Reliance Well Services, LLC  
Address 510 Cranberry Street, Suite 301 City Erie State PA Zip 16507

Stimulating Company Gladiator Energy  
Address 146 Painter-Koser Road City Smithton State PA Zip 15479

Please insert additional pages as applicable.

Completed by Brad Nelson Telephone 724-250-0610  
Signature  Title Storage Engineer Date 10/20/2023

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

