

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

API 47-051-00082-00-00 County Marshall District Liberty
Quad Cameron, WV Pad Name _____ Field/Pool Name Victory B
Farm name Blake, J. Well Number 2269

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

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4400088.01 Easting 532501.84
Landing Point of Curve Northing N/A Easting N/A
Bottom Hole Northing Not measured (vertical wellbore) Easting Not measured (vertical wellbore)

Elevation (ft) 873.0' 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 12/14/2023 Date drilling commenced N/A Date drilling ceased N/A
Date completion activities began 7/10/2024 Date completion activities ceased 7/11/2024
Verbal plugging (Y/N) N/A Date permission granted _____ Granted by _____

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug
Freshwater depth(s) ft None as reported by the Driller in 1918. Open mine(s) (Y/N) depths _____
Salt water depth(s) ft None as reported by the Driller in 1918. Void(s) encountered (Y/N) depths N
Coal depth(s) ft 80'-82'; 240'-245'; 440'-445'; 550'-555' as reported by the Driller in 1918. Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Reviewed by:
Strader Gower
08/03/2024

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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		10"	235'	Used	Unknown		N/A
Surface							
Coal		8-5/8"; 8-1/4"	888'; 361' (1029' total)	Used	J-55; Unknown		Y; N/A
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production		7"	1568'	Used	J-55 (23#)		Y
Tubing							
Packer type and depth set							

Comment Details Casing was not altered during workover operations.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor		None.					
Surface							
Coal		150 sx.; None.					
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production		180 sx.					
Tubing							

Drillers TD (ft) 1581' Loggers TD (ft) 1581'
 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 _____

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WV Department of
Environmental Protection

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

08/30/2024

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	6/7/1996	1561'	1581'	6 SPF	Maxton
					Note: Did not add new perforations.

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)
	7/10/24		760 psi				5 bbl	500 gal. HCl
	7/10/24							80 MSCF N2

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Maxton</u>	<u>1566'-1583'</u> TVD	<u>1566'-1583'</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 760 psi Bottom Hole _____ psi DURATION OF TEST 0.75 hrs

OPEN FLOW Gas 10623 mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ 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 Baker Atlas
Address 180 Childers Run Crossing City Buckhannon State WV Zip 26201

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Cementing Company _____
Address _____ City _____ State _____ Zip _____
WV Department of Environmental Protection

Stimulating Company Mid Atlantic Energy Services
Address 1910 Dents Run Road City Morgantown State WV Zip 26501

Please insert additional pages as applicable.

Completed by Brad Nelson Telephone 724-250-0610
Signature [Signature] Title Storage Engineer Date 8/7/2024