

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

API 47-041-02759 County Lewis District Freemans Creek
Quad Big Isaac Pad Name NA Field/Pool Name Fink Storage
Farm name Brown, Alexander Well Number 910
Operator (as registered with the OOG) Eastern Gas Transmission and Storage, Inc.
Address 925 White Oaks Blvd City Bridgeport State WV Zip 26330

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 775956.599 Easting 2089923.123
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1081.4 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 Gas Storage
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)
NA

Date permit issued 06/14/2021 Date drilling commenced 07/01/2021 Date drilling ceased 10/1/2021
Date completion activities began NA Date completion activities ceased NA
Verbal plugging (Y/N) _____ 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

MAR 21 2022

Freshwater depth(s) ft 20' Open mine(s) (Y/N) depths N
Salt water depth(s) ft No Record Void(s) encountered (Y/N) depths N
Coal depth(s) ft 333-338 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by:

JD

03/25/2022

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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							
Surface		8-5/8	0-1260				Existing
Coal							
Intermediate 1		7	703-1958				Existing
Intermediate 2		5-1/2	0-2105		17		Existing
Intermediate 3							
Production		3-1/2	0-2092	New	9.2		Y
Tubing							
Packer type and depth set							

Comment Details _____

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							
Surface	Existing						
Coal							
Intermediate 1	Existing						
Intermediate 2	Existing						
Intermediate 3							
Production	Premium H	110	14.8	1.341	147.5	0	24
Tubing							

Drillers TD (ft) ²²¹² _____ Loggers TD (ft) ²²¹² _____
 Deepest formation penetrated ^{Gantz} _____ 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 3-1/2" - Every joint for first 6 joints, every other from first 6 to surface

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS Existing. Only new production pipe was ran inside existing 5-1/2"

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS Existing. Top set new 3-1/2" as new production string inside existing 5-1/2"

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

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					No 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)
			No stimulation					

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)

DEPTHS

Gantz 2134 - 2155 TVD 2134-2155 MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

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

OPEN FLOW Gas _____ 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		No new hole drilled, only new casing ran

Please insert additional pages as applicable.

Drilling Contractor Key Energy Service
Address 138 Sewer Plant Road City Buckhannon State WV Zip 26201

Logging Company Baker Hughes
Address 180 Childers Run Crossing City Buckhannon State WV Zip 26201

Cementing Company Halliburton
Address 4999 E Pointe Dr City Zanesville State OH Zip 43701

Stimulating Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Alexander T. Worley Telephone 304-203-6243
Signature *Alexander T. Worley* Title Drilling & Rework Engineer Date 3/01/2022

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

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