

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

API 47-051-02146 County Marshall District Clay
Quad Powhatan Point Pad Name Freeland Pad A Field/Pool Name _____
Farm name Joseph L. Freeland ET UX Well Number Freeland M04H
Operator (as registered with the OOG) Chevron Appalachia, LLC (49449935)
Address 700 Cherrington Parkway City Coraopolis State PA Zip 15108

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

Elevation (ft) 1274' 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) _____

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Date permit issued 13/1/2019 Date drilling commenced 11/3/2019 Date drilling ceased 12/14/2019
Date completion activities began _____ Date completion activities ceased _____
Verbal plugging (Y/N) N 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 n/a Open mine(s) (Y/N) depths n/a
Salt water depth(s) ft n/a Void(s) encountered (Y/N) depths n/a
Coal depth(s) ft n/a Cavern(s) encountered (Y/N) depths n/a
Is coal being mined in area (Y/N) n/a

Reviewed by:

API 47- 051 - 02146 Farm name Joseph L. Freeland ET UX Well number Freeland M04H

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	26"	20"	52'	N	X-52 / 78.67		Y
Surface	17-1/2"	13-3/8"	719'	N	J-55 / 54.50		Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2215'	N	L-80 / 40		Y
Intermediate 2							
Intermediate 3							
Production							
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	Bulk Cement					Surface	8
Surface	Class A	521	15.6	1.20	625	Surface	8
Coal							
Intermediate 1	Class A	773	15.6	1.20	928	Surface	8
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 2259' Loggers TD (ft) 2259'
 Deepest formation penetrated _____ Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) N/A

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 _____

Surface: (1) on shoe track with stop collar and (1) per joint over coupling to surface.
 Intermediate: (1) on shoe track with stop collar and (1) per 3 joints over coupling.

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS N/A

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS N/A

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

API: 47-051-02146	Farm Name: Joseph L. Freeland ET UX	Well Number: Freeland M04H
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DRILLING CONTRACTORS		
Driller	Driller	Driller
Name Rocky Mountain Drilling	Name Precision Drilling Holdings Company	Name
Address 185 North Vernal Avenue, Suite 2	Address 10350 Richmond Avenue, Suite 700	Address
City - State - Zip Vernal, UT 84078	City - State - Zip Houston, TX 77042	City - State - Zip

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