

WR-35  
Rev. 8/23/13

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

API 47-033-05963 County Harrison District Clay  
Quad Shinnston Pad Name Ice Pad Field/Pool Name Marcellus  
Farm name XTO Energy Inc. Well Number Ice South Unit 10H  
Operator (as registered with the OOG) XTO Energy Inc. State WV Zip 26378  
Address P.O. Box 1008 City Jane Lew

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 340427.100 Easting 1770377.500  
Landing Point of Curve Northing NA Easting NA  
Bottom Hole Northing NA Easting NA

Elevation (ft) 1360 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)  
NA

Date permit issued 8/27/2019 Date drilling commenced 9/14/19 Date drilling ceased 9/15/19  
Date completion activities began \_\_\_\_\_ Date completion activities ceased \_\_\_\_\_  
Verbal plugging (Y/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 None reported. Open mine(s) (Y/N) depths N  
Salt water depth(s) ft None reported. Void(s) encountered (Y/N) depths N  
Coal depth(s) ft None reported. Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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**APPROVED**

Reviewed by: K. Willett  
04/19/2024

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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	32"	24"	20'	New	PE&B 95#	NA	N
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details Conductor cement poured directly into annulus.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	A	2 yards				0	24
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 20'      Loggers TD (ft) NA  
 Deepest formation penetrated NA      Plug back to (ft) NA  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) NA

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 NA

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WAS WELL COMPLETED AS SHOT HOLE     Yes     No      DETAILS NA

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WAS WELL COMPLETED OPEN HOLE?     Yes     No      DETAILS NA

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

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PERFORATION RECORD

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

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)
NA								

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PRODUCING FORMATION(S)	DEPTHS	
NA	TVD	MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

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

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

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
Soil/Stone	0	20	0	20	

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Please insert additional pages as applicable.

Drilling Contractor Lightning Energy Services LLC  
 Address 104 Heliport Loop Rd. City Bridgeport State WV Zip 26330

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

Cementing Company Central Supply Company  
 Address 4923 Benedum Drive City Bridgeport State WV Zip 26330

Stimulating Company NA  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

Completed by Tim Sands Telephone 304-517-3546  
 Signature [Signature] Title Regulatory Coordinator Date 2/29/24

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

04/19/2024