

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

API 47-039 - 01594-00-00 County Kanawha District Elk
Quad Blue Creek, WV Pad Name _____ Field/Pool Name Coco A
Farm name Blue Creek Oil & Gas Co. Well Number Coco A 7226
Operator (as registered with the OOG) Columbia Gas Transmission, LLC
Address 1700 MacCorkle Ave. S.E. City Charleston State WV Zip 25314

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4251028.76 Easting 461473.35
Landing Point of Curve Northing N/A Easting N/A
Bottom Hole Northing Not measured (vertical wellbore) Easting Not measured (vertical wellbore)

Elevation (ft) 1050.8 GL 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 5/18/2020 Date drilling commenced N/A Date drilling ceased N/A
Date completion activities began 8/25/2020 Date completion activities ceased 8/26/2020
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 None reported by the driller in 1953. Open mine(s) (Y/N) depths N
Salt water depth(s) ft Reported at 1000'-1003'; 1075'-1080' by the driller in 1953. Void(s) encountered (Y/N) depths None reported by the driller in 1953.
Coal depth(s) ft 305'-307'; 414'-417' Cavern(s) encountered (Y/N) depths None reported by the driller in 1953.
Is coal being mined in area (Y/N) N

Reviewed by:
Jessie Shanton for
T. Urban
11/19/2020

RECEIVED
Office of Oil and Gas
NOV 03 2020
WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

API 47-039 - 01594-00-00 Farm name Blue Creek Oil & Gas Co. Well number Coco A 7226

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade w/ft | Basket Depth(s) | Did cement circulate (Y/N) * Provide details below* |
|---------------------------|-----------|-------------|-------|-------------|------------|-----------------|--|
| Conductor | | 13-3/8" | 0' | | | | |
| Surface | | 10-3/4" | 1668' | | 36 | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | 5-1/2" | 5238' | | 15.5 | | |
| Tubing | | | | | | | |
| Packer type and depth set | | N/A | | | | | |

Comment Details 2-3/8" tubing was pulled.

| 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 | | 284 sx. | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | 1086 sx. | | | | | |
| Tubing | | | | | | | |

Drillers TD (ft) 5355' Loggers TD (ft) 5355'
 Deepest formation penetrated Oriskany
 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 Open hole from 5238'-5355'.

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

API 47- 039 - 01594-00-00 Farm name Blue Creek Oil & Gas Co. Well number Coco A 7226

PRODUCING FORMATION(S)

DEPTHS

Oriskany _____ 5334'-5355' TVD _____ 5334'-5355' MD _____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow Oil TEST Flow Pump

SHUT-IN PRESSURE Surface 1670 psi Bottom Hole 1915 psi DURATION OF TEST 0.75 hrs

OPEN FLOW Gas 35632 mcfpd _____ Oil _____ NGL _____ 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 | TVD | DEPTH IN FT | TVD | DEPTH IN FT | MD | DEPTH IN FT | MD | |
| | | 0 | | | | 0 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Please insert additional pages as applicable.

Drilling Contractor _____ City _____ State _____ Zip _____
Address _____

Logging Company _____ City _____ State _____ Zip _____
Address _____

Cementing Company _____ City _____ State _____ Zip _____
Address _____

Stimulating Company Gladiator Energy, LLC
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 *Brad Nelson* Title Storage Engineer Date 10/27/2020

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