

**Reviewed**  
*Doug Miller 9-4-18*

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

API 47 - 075 - 00036 County Pocahontas District Green Bank  
Quad Wildell, WV Pad Name \_\_\_\_\_ Field/Pool Name Glady Storage  
Farm name US Dept of the Interior Well Number 7467  
Operator (as registered with the OOG) Columbia Gas Transmission, LLC  
Address PO Box 1273 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 4283919.9 m Easting 608591.4 m  
Landing Point of Curve Northing N/A Easting N/A  
Bottom Hole Northing not measured (vertical wellbore) Easting not measured (vertical wellbore)

Elevation (ft) 3529.0 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)  
N/A - no drilling performed

Date permit issued 7/20/17 Date drilling commenced N/A Date drilling ceased N/A  
Date rework activities began 9/6/17 Date rework activities ceased 9/22/17  
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 observed during rework Open mine(s) (Y/N) depths none observed during rework  
Salt water depth(s) ft none observed during rework Void(s) encountered (Y/N) depths none observed during rework  
Coal depth(s) ft none observed during rework Cavern(s) encountered (Y/N) depths none observed during rework  
Is coal being mined in area (Y/N) N

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DM  
09/07/2018

API 47-075 - 00036 Farm name US Dept of the Interior Well number 7467

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							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing or tubing ran during rework, no casing or tubing cemented during rework, and no casing or tubing pulled during rework.

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							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 6151 Loggers TD (ft) \_\_\_\_\_  
 Deepest formation penetrated Helderberg Plug back to (ft) N/A  
 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 \_\_\_\_\_  
N/A

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_  
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WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_ NOV 20 2017

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_  
 WV Department of Environmental Protection



