



**Jackie M. Scholar**  
Regulatory Reporting Coordinator

January 15, 2018

**CERTIFIED MAIL: 7016 0340 0000 4903 5464**

WV DEP  
Office of Oil and Gas  
601 – 57<sup>th</sup> Street  
Charleston, WV 25304

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JAN 18 2018

WV Department of  
Environmental Protection

RE: Well Operator's Report of Well Work WR-35  
**Taylor C 7H**

Dear Sir/Madam,

Enclosed here within please find one (1) Well Operator's Report of Well Work WR-35 and one (1) copy of the Directional Survey for **Taylor C 7H, (API 47-051-01805)**. The Taylor C 7H was not drilled to TD therefore no FracFocus or As Drilled Plat are attached.

If you have any questions, please contact me at (412) 865-3422. Thank you.

Sincerely,  
Chevron Appalachia, LLC

Jackie M. Scholar

Enclosures

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

API 47-051-01805 County Marshall District Clay  
Quad Glen Easton Pad Name Taylor C Field/Pool Name \_\_\_\_\_  
Farm name Williams Ohio Valley Midstream LLC Well Number Taylor C 7H  
Operator (as registered with the OOG) 49449935  
Address 700 Cherrington Parkway City Coraopolis State PA Zip 15108

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As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4411357.60 Easting 525892.69  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing \_\_\_\_\_ Easting \_\_\_\_\_

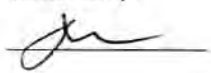
Elevation (ft) 1257' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary 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)  
Barite, fluid loss, emulsifiers, rheological control

Date permit issued 3/31/2015 Date drilling commenced 8/22/2015 Date drilling ceased 12/27/2017  
Date completion activities began n/a Date completion activities ceased n/a  
Verbal plugging (Y/N) Y Date permission granted 1/16/2018 Granted by James Nicholson

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 765' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2248' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 800' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) Y

Reviewed by:  


Reviewed

2/8/18

03/02/2018

API 47- 051 - 01805 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 7H

| CASING STRINGS            | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft   | Basket Depth(s) | Did cement circulate (Y/ N)<br>* Provide details below* |
|---------------------------|-----------|-------------|-------|-------------|---------------|-----------------|---|
| Conductor                 | 26"       | 20"         | 76'   | N           |               | N/A             | Y   |
| Surface                   | 17 1/2"   | 13 3/8      | 542'  | N           | J-55 / 54.50# | N/A             | N   |
| Coal                      |           |             |       |             |               |                 |   |
| Intermediate 1            |           |             |       |             |               |                 |   |
| Intermediate 2            |           |             |       |             |               |                 |   |
| Intermediate 3            |           |             |       |             |               |                 |   |
| Production                |           |             |       |             |               |                 |   |
| Tubing                    |           |             |       |             |               |                 |   |
| Packer type and depth set |           |             |       |             |               |                 |   |

Comment Details Primary cement job on 13-3/8" casing no returns were seen during the job. CBL was ran and determined Top of Cement to be at 200'. BEP Inspector Jim Nicholson gave approval to cement remainder of annulus with pour string from surface  
Utilized same Class A cement from 13-3/8" surface cement job. Pumped 34 bbbls (191 ft3) with 5 bbbls returned to surface

| 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) |
|----------------|----------------------|-----------------|-----------------|-------------|------------------------------|---------------------------|-----------------|-----------|
|                |                      |                 | Bulk Cement     | Bulk Cement |                              |                           |                 |           |
| Conductor      | Type 1               |                 |                 |             |                              |                           |                 |           |
| Surface        | Class A              | 444             | 15.6            | 1.2         | 528                          | Surface                   | 8               |           |
| Coal           |                      |                 |                 |             |                              |                           |                 |           |
| Intermediate 1 |                      |                 |                 |             |                              |                           |                 |           |
| Intermediate 2 |                      |                 |                 |             |                              |                           |                 |           |
| Intermediate 3 |                      |                 |                 |             |                              |                           |                 |           |
| Production     |                      |                 |                 |             |                              |                           |                 |           |
| Tubing         |                      |                 |                 |             |                              |                           |                 |           |

Drillers TD (ft) 2,273' Loggers TD (ft) 2,273'

Deepest formation penetrated Squaw Plug back to (ft) 465'

Plug back procedure Air rig drill to 2,273' and unable to run 9-5/8" casing. 7H Temporarily abandoned until fluid rig arrive. Fluid rig attempt to cleanout to 2,273' and become stuck multiple times  
Decision made to pump cement plug (2 000 - 950) and side track. Side track to 1,977 and 58 trip. Pipe stuck at 1217' unable to free, run free point and back off at 938' 250' of BHA (prof in hole). Attempt to fix with jars, no success. Pump 444 cement plug from top of fish to 465'. Set CBLP at 465'

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 w/ stop collar & (1) per jt over coupling to surface

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

API 47- 051 - 01805 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 7H

PERFORATION RECORD

| Stage No | Perforation date | Perforated from MD ft | Perforated to MD ft | Number of Perforations | Formation(s) |
|----------|------------------|-----------------------|---------------------|------------------------|--------------|
|          | n/a              |                       |                     |                        |              |
|          |                  |                       |                     |                        |              |
|          |                  |                       |                     |                        |              |
|          |                  |                       |                     |                        |              |
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|          |                  |                       |                     |                        |              |
|          |                  |                       |                     |                        |              |

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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| 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) |
|----------|-------------------|---------------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
|          | n/a               |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
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|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
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|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |
|          |                   |                     |                              |                              |            |                          |                        |                                  |

Please insert additional pages as applicable.

API 47- 051 - 01805 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 7H

| PRODUCING FORMATION(S) | DEPTHS |    |
|------------------------|--------|----|
|                        | TVD    | 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/<br>FORMATION | TOP                     | BOTTOM             | TOP               | BOTTOM            | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND<br>TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC) |
|-------------------------|-------------------------|--------------------|-------------------|-------------------|--|
|                         | DEPTH IN FT<br>NAME TVD | DEPTH IN FT<br>TVD | DEPTH IN FT<br>MD | DEPTH IN FT<br>MD |  |
|                         | 0                       |                    | 0                 |                   |  |
| Dunkard                 | 0                       | 475'               | 0                 | 475'              |  |
| Waynesburg Coal         | 475                     | 800'               | 475               | 800'              |  |
| Pittsburgh Coal         | 800'                    | 806'               | 800'              | 806'              |  |
| Conemaugh               | 806'                    | 1289'              | 806'              | 1289'             | Observed Red Rock in cuttings 950'-1000'   |
| Allegheny               | 1289'                   | 1499'              | 1289'             | 1499'             |  |
| Pottsville              | 1499'                   | 1739'              | 1499'             | 1739'             | Connection gas 600-1000 Units  |
| Mauch Chunk             | 1739'                   | 1846'              | 1739'             | 1846'             |  |
| Big Lime                | 1846'                   | 1934'              | 1846'             | 1934'             |  |
| Burgoon                 | 1934'                   | 2154'              | 1934'             | 2154'             | Hole produced 300 BBLS of water @ 2098'  |
| Squaw                   | 2154'                   | 2273'              | 2154'             | 2273'             | Hole produced 200 BBLS of water @ 2248'  |
|                         |                         |                    |                   |                   |  |
|                         |                         |                    |                   |                   |  |

Please insert additional pages as applicable.

Drilling Contractor SEE ATTACHED  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Logging Company n/a  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Cementing Company SEE ATTACHED  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Stimulating Company n/a  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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Please insert additional pages as applicable.

Completed by Jackie M. Schlar Telephone 412-865-3422  
 Signature  Title Regulatory Compliance Team Lead Date 1/16/2018

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

|                   |   |                          |
|-------------------|---|--------------------------|
| API: 47-051-01805 | Farm Name: Williams Ohio Valley Midstream LLC | Well Number: Taylor C 7H |
|-------------------|---|--------------------------|

| DRILLING CONTRACTORS                        |   |   |
|---|---|---|
| Driller                                     | Driller                                     | Driller                                     |
| Name<br>Rocky Mountain Drilling             | Name<br>Highlands Drilling LLC              | Name<br>Precision Drilling Holdings Company |
| Address<br>185 North Vernal Avenue, Suite 2 | Address<br>900 Virginia Street East         | Address<br>10350 Richmond Avenue, Suite 700 |
| City - State - Zip<br>Vernal, UT 84078      | City - State - Zip<br>Charlestown, WV 25301 | City - State - Zip<br>Houston, TX 77042     |

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|                   |   |                          |
|-------------------|---|--------------------------|
| API: 47-051-01805 | Farm Name: Williams Ohio Valley Midstream LLC | Well Number: Taylor C 7H |
|-------------------|---|--------------------------|

| CEMENTING CONTRACTORS                   |   |                    |
|---|---|--------------------|
| Name<br>Baker Hughes                    | Name<br>BJ Services                       | Name               |
| Address<br>5373 West Alabama, Suite 300 | Address<br>3415 Millinnium Boulevard SE   | Address            |
| City - State - Zip<br>Houston, TX 77056 | City - State - Zip<br>Massillon, OH 44646 | City - State - Zip |

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