WR-35 Rev (9-11)

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

| DATE: | 9/4/2012 | Ŋ. |
|-------|--------------|----|
| API#: | 47-033-05466 | |
| | | |

| ame: Lowe, Francis and Nancy | | No.: Wagner Ur | | |
|---|---|------------------|------------------|---------------------------|
| ΠΟΝ: Elevation: 1214' | _ Quadrangle: V | vest iminord | | |
| District: Union | County: Harris | on | | |
| Latitude: 8762' Feet South of 39 Deg. | | | | |
| Longitude 597' Feet West of 80 Deg | . <u>25</u> Min. | .00 Sec | • | |
| Company: Antero Resources Appalachian Corp | | | | |
| Address: 1625 17th Street | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
| Denver, CO 80202 | 20" 94# | 40' | 40' | 38 Cu. Ft. Class A |
| Agent: CT Corporation System | 13-3/8" 55# | 525' | 525' | 728 Cu. Ft. Class A |
| Inspector: Tristan Jenkins | 9-5/8" 36# | 2462' | 2462' | 1002 Cu. Ft. Class A |
| Date Permit Issued: 09/08/2010 | 5-1/2" 20# | 13,997' | 13,997' | 3464 Cu. Ft. Class H |
| Date Well Work Commenced: 1/12/2011 | | | | |
| Date Well Work Completed: 5/31/2011 | 2-3/8" 4.7# | 7183' | RE | CEIVED |
| Verbal Plugging: N/A | | | Office | of Oil & Ga |
| Date Permission granted on: N/A | | | 0.41 | |
| Rotary Cable Rig | | | SEI | 1 1 2012 |
| Total Vertical Depth (ft): 7050' TVD (deepest po | pint drilled) | | 180/176 | |
| Total Measured Depth (ft): 13,997' MD, 7050' TV | D (BHL) | | TO VICTORIA | partment d |
| Fresh Water Depth (ft.): *None available | *Due to air dril | ing, Antero wa | s unable to iden | ntal Prote |
| Salt Water Depth (ft.): 2494' | accurate fresh | water and coal | depths for repo | rting. |
| Is coal being mined in area (N/Y)? N |] | | | |
| Coal Depths (ft.): *None available | | | | |
| Void(s) encountered (N/Y) Depth(s) N, N/A | | | | |
| | | 1 1114 1 1 | | |
| EN FLOW DATA (If more than two producing formation Producing formation Pay | zone depth (ft) | | | neet) |
| Gas: Initial open flow MCF/d Oil: Initial open | | ` | • | |
| Final open flow 13,034 MCF/d Final open flo | | | | |
| Time of open flow between initial and final tests N/A | Hours | | | |
| static rock Pressure 3200 psig (surface pressure) a | fterHour | rs | | |
| Second producing formation Pay 20 | one depth (ft) | | | |
| Gas: Initial open flow MCF/d Oil: Initial open flow | - · · · · · · · · · · · · · · · · · · · | ol/d | | |
| | | 1/d | | |
| Final open flow MCF/d Final open flo | | | | |
| Final open flow MCF/d Final open flo Time of open flow between initial and final tests | Hours | | | |
| <u> </u> | | s | | |
| Time of open flow between initial and final tests | fter Hour | | nation submitted | on this documen |

| Were core samples taken? Yes | No_X | Were cuttings caught during drilling? YesNo_X |
|---|--|--|
| Were Electrical, Mechanical or Geop | physical logs recorded on this w | vell? If yes, please list Yes - Cement Bond Log/Gamma Ray/CCL Lo |
| This is a subsequent well. Antero only runs wireline logs | on the first well on a multi-pad (Wagner Unit 1H AP | 1# 47-033-05455). Please reference wireline logs submitted with Form WR-35 for Wagner Unit 11 |
| FRACTURING OR STIMULAT | ING, PHYSICAL CHANGE, ECORD OF THE TOPS AN | NG: 1). DETAILS OF PERFORATED INTERVAL ETC. 2). THE WELL LOG WHICH IS A SYSTEMATION ND BOTTOMS OF ALL FORMATIONS, INCLUDING FACE TO TOTAL DEPTH. |
| Perforated Intervals, Fracturing, or S | Stimulating: | |
| Perforations: 7308' - 13,930' N | MD | |
| Frac'd w/ 5,750 gals 15% HC | L Acid, 114,292 bbls Slick | Water carrying 471,100# 100 mesh, |
| 2,260,300# 40/70 and 1,343,8 | 300# 20/40 sand. | |
| | | |
| Plug Back Details Including Plug T | ype and Depth(s): N/A | |
| Formations Encountered: | Top Depth | / Bottom Depth |
| Surface: | | |
| **Sycamore | 6,204' | 6,669' |
| Tully | 6,670' | 6,791' |
| Hamilton | 6,792' | 6,871' |
| Marcellus | 6,872' | 7,050' TVD |
| | | The Comment of the Co |
| | *************************************** | this is a subsequent well, our logging started at the top of the Sycamore. Therefore the subsequent well, our logging started at the top of the Sycamore. Therefore the subsequent well, our logging started at the top of the Sycamore. Therefore the subsequent well, our logging started at the top of the Sycamore. |
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