

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

DATE: 1/11/2013
API #: 47-033-05595

RECEIVED

Farm name: Tracey, Lloyd L. and Mary Operator Well No.: Filtro Unit 1H

LOCATION: Elevation: 1304' Quadrangle: Wolf Summit

JAN 14 2013

District: Coal County: Harrison
Latitude: 986 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 10,862 Feet West of 80 Deg. 25 Min. 00 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Company: Antero Resources Appalachian Corp

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| 1625 17th Street Denver, CO 80202 | 20" 94# | 40' | 40' | 38 Cu. Ft. Class A |
| Agent: CT Corporation System | 13-3/8" 54.5# | 227' | 227' | 1648 Cu. Ft. Class A |
| Inspector: Tristan Jenkins | 9-5/8" 36# | 2556' | 2556' | 1045 Cu. Ft. Class A |
| Date Permit Issued: 01/17/2012 | 5-1/2" 20# | 13,985' | 13,985' | 3436 Cu. Ft. Class H |
| Date Well Work Commenced: 01/18/2012 | | | | |
| Date Well Work Completed: 04/02/2012 | 2-3/8" 4.7 | 7281' | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 7,281' TVD | | | | |
| Total Measured Depth (ft): 13,985' MD, 7,230' TVD (BHL) | | | | |
| Fresh Water Depth (ft.): 50' | | | | |
| Salt Water Depth (ft.): 685', 917' | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 147' | | | | |
| Void(s) encountered (N/Y) Depth(s) N, N/A | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,110' TVD (Top)

Gas: Initial open flow ----- MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 6,901 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after ----- Hours

Second producing formation ----- Pay zone depth (ft) -----

Gas: Initial open flow ----- MCF/d Oil: Initial open flow ----- Bbl/d

Final open flow ----- MCF/d Final open flow ----- Bbl/d

Time of open flow between initial and final tests ----- Hours

Static rock Pressure ----- psig (surface pressure) after ----- Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Shawna Redi
Signature

1/11/13
Date

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Garrard Unit 1H API# 47-633-95429). Please reference wireline logs submitted with Form WFR-35 for Garrard Unit 1H.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7382' - 13,919' MD (1,368 holes)

Frac'd w/ 10,000 gals 15% HCL Acid, 143,272 bbls Slick Water carrying 690,632# 100 mesh, 3,195,167# 40/70 and 2,173,270# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

| <u>Formations Encountered:</u> <u>Surface:</u> | <u>Top Depth</u> | <u>Bottom Depth</u> |
|---|------------------|---------------------|
| Big Lime est. | 1,551' | 1,613' |
| Big Injun est. | 1,614' | 1,983' |
| Gantz Sand est. | 1,984' | 2,069' |
| Fifty Foot Sandstone est. | 2,070' | 2,269' |
| Gordon est. | 2,270' | 2,507' |
| Fifth Sandstone est. | 2,508' | 3,225' |
| Speechley est. | 3,226' | 3,440' |
| Balltown est. | 3,441' | 3,917' |
| Bradford est. | 3,918' | 4,559' |
| Benson est. | 4,560' | 4,886' |
| Alexander est. | 4,887' | 5,137' |
| Elk est. | 5,138' | 6,413' |
| Sycamore | 6,414' | 6,690' |
| Sonyea | 6,691' | 6,691' |
| Middlesex | 6,692' | 6,830' |
| Genundewa | 6,831' | 6,866' |
| Burket | 6,867' | 6,891' |
| Tully | 6,892' | 7,024' |
| Hamilton | 7,025' | 7,109' |
| Marcellus | 7,110' | 7,281' TVD |

WELL NAME: Fittro 1H

API #: 47-033-05595

List of Additives Used for Fracturing Or Stimulating Well

| ADDITIVES | CHEMICAL ABSTRACT SERVICE NUMBER (CAS #) |
|---|---|
| ALPHA 1427 | Mixture |
| Glucaldehyde | 111-30-8 |
| Quaternary Ammonium Chloride | 7173-51-5 |
| Alkyl (C12-16) Dimethylbenzylammonium Chloride | 68424-85-1 |
| Ethanol | 64-17-5 |
| Water | 7732-18-5 |
| CL-14 | Mixture |
| Methanol | 67-56-1 |
| Polyoxyalkylenes | 25322-68-3 |
| Fatty Acids | 61790-12-3 |
| Propargyl Alcohol | 107-19-7 |
| Olefin | 64743-02-8 |
| Ferrotrol (Citric Acid) | 77-92-9 |
| FRW-18 (Petroleum Distillate hydrotreated) | 64742-47-8 |
| GBW-5 (Ammonium Persulfate) | 7727-54-0 |
| GW-3LDF | Mixture |
| Guar Gum | 9000-30-0 |
| Petroleum distillate hydrotreated | 64742-47-8 |
| Silica, Crystalline Quartz | 14808-60-7 |
| Paraffinic Petroleum Distillate | 64742-55-8 |
| 1-Butoxy-2-Propanol | 5131-66-8 |
| Isotridecanol, Ethoxylated | 9043-30-5 |
| HCL (Hydrochloric Acid) | 7647-01-0 |
| Scaletrol 720 | Mixture |
| Ethylene Glycol | 107-21-1 |
| Calcium chloride, anhydrous | 10043-52-4 |