

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

DATE: June 17, 2013
API #: 47-51-01503

Farm name: Accettolo, Patricia & Louis Operator Well No.: Accettolo 2H

LOCATION: Elevation: 1296' Quadrangle: New Martinsville 7.5'

District: Franklin County: Marshall
Latitude: 2,085 Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 520 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: Gastar Exploration USA, Inc

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| 229 West Main St, Suite 301 Clarksburg, WV 26301 | 20" | | 40' | Sanded |
| Agent: Michael McCown | 13 3/8" | | 1146' | 1052 ft^3 |
| Inspector: Bill Hendershot | 9 5/8" | | 257' | 882 ft^3 |
| Date Permit Issued: 10-5-11 | 5 1/2" | | 11318' | 3018 ft^3 |
| Date Well Work Commenced: 12-6-12 | 2 3/8" | | 6378' | |
| Date Well Work Completed: 6-03-12 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 6557' | | | | |
| Total Measured Depth (ft): 11,319' | | | | |
| Fresh Water Depth (ft.): 60' | | | | |
| Salt Water Depth (ft.): 1600' | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 898-918; 1077-1087 | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

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

Producing formation Marcellus Pay zone depth (ft) 6557
Gas: Initial open flow 1440 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1671 MCF/d Final open flow 8 Bbl/d
Time of open flow between initial and final tests 96 Hours
Static rock Pressure 1105 psig (surface pressure) after 96 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

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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.

[Signature]
Signature

6-17-13
Date

02/28/2014

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

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

Gamma Ray Log

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:

See Attached Sheet

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface:

| | | | |
|--------------------|---------------------|--------------|-----------------------|
| Sewickley: | Top: 898, Base: 918 | Java: | Top: 5200, Base: 5520 |
| Pittsburgh coal: | 1077, 1087 | Rhinestreet: | 5938, 6328 |
| Maxton: | 1971, 2021 | Cashaqua: | 6328, 6436 |
| Big Lime: | 2040, 2070 | Middlesex: | 6436, 6472 |
| Big Injun: | 2079 | West River: | 6472, 6566 |
| Base of Big Injun: | 2180 | Geneseo: | 6566, 6603 |
| Weir: | 2418, 2588 | Tully: | 6603, 6689 |
| Berea: | 2597, 2837 | Hamilton: | 6689, 6808 |
| Gordon: | 2903, 2933 | Marcellus: | 6808, 6862 |
| Benson: | 3600, 3610 | Onondaga: | 6862 / none reported |

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Fluid & Sand Volume Summary - Accettolo #2H

| <u>Date</u> | <u>Stage</u> | <u>Perforated interval</u> | | <u>Fluid Type</u> | <u>Frac Fluid</u> | <u>Pump</u> | <u>100 mesh</u> | <u>40/70 M</u> | <u>Total Sand</u> | <u>Avg Inj</u> |
|---------------|--------------|----------------------------|-----------|-------------------|-------------------|---------------|-----------------|----------------|-------------------|--------------------------------|
| | | <u>From</u> | <u>To</u> | | | | | | | |
| 4/26/2012 | 1 | 11169 | 11259 | slk wtr | 3992 | 0 | 47037 | 151553 | 198590 | 82 |
| 4/28/2012 | 2 | 10894 | 11104 | slk wtr | 7508 | 288 | 92989 | 300740 | 393729 | 81 |
| 4/29/2012 | 3 | 10594 | 10804 | slk wtr | 7184 | 256 | 94011 | 298591 | 392602 | 83 |
| 5/3/2012 | 4 | 10294 | 10504 | slk wtr | 7446 | 233 | 94117 | 300494 | 394611 | 86 |
| 5/4/2012 | 5 | 9994 | 10204 | slk wtr | 7700 | 204 | 93806 | 297207 | 391013 | 82 |
| 5/5/2012 | 6 | 9694 | 9904 | slk wtr | 7495 | 229 | 94689 | 298212 | 392901 | 83 |
| 5/6/2012 | 7 | 9394 | 9604 | slk wtr | 7410 | 196 | 94048 | 298134 | 392182 | 82 |
| 5/7/2012 | 8 | 9094 | 9304 | slk wtr | 7634 | 160 | 93788 | 299932 | 393720 | 83 |
| 5/8/2012 | 9 | 8794 | 9004 | slk wtr | 6089 | 179 | 91075 | 290812 | 381887 | 84 |
| 5/9/2012 | 10 | 8494 | 8704 | slk wtr | 6552 | 300 | 91821 | 297212 | 389033 | 83 |
| 5/10/2012 | 11 | 8194 | 8404 | slk wtr | 6422 | 131 | 91889 | 293376 | 385265 | 84 |
| 5/14/2012 | 12 | 7894 | 8104 | slk wtr | 6626 | 100 | 87212 | 304743 | 391955 | 83 |
| 5/15/2012 | 13 | 7594 | 7804 | slk wtr | 6162 | 77 | 90645 | 300376 | 391021 | 83 |
| 5/16/2012 | 14 | 7294 | 7504 | slk wtr | 5690 | 56 | 93203 | 298602 | 391805 | 83 |
| 5/17/2012 | 15 | 6994 | 7207 | slk wtr | 6163 | 45 | 91975 | 298882 | 390857 | 84 |
| Totals | | | | | | 100073 | 1342305 | 4328866 | 5671171 | |
| | | | | | | | | | | <u>Water to Recover</u> |
| | | | | | | | | | | <u>102527 bbls</u> |