

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: April 11, 2013
API #: 47-051-01523

Farm name: Wayne - South Operator Well No.: 4H

LOCATION: Elevation: 1354' Quadrangle: New Martinsville 7.5'

District: Franklin County: Marshall
Latitude: 1580 Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 6605 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 Street, Suite 301 Clarksburg, WV 26301 | 20" | | 110' | CTS |
| Agent: Michael McCown | 13-3/8" | | 1145' | 994 |
| Inspector: Bill Hendershot | 9-5/8" | | 2527' | 1071 |
| Date Permit Issued: 1/13/2012 | 5-1/2" | | 12244' | 3428 |
| Date Well Work Commenced: 4/20/2012 | 2-3/8" | | 6544' | |
| Date Well Work Completed: 8/26/2012 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 6,612' | | | | |
| Total Measured Depth (ft): 12,270' | | | | |
| Fresh Water Depth (ft.): 60' | | | | |
| Salt Water Depth (ft.): 1600' | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 890-910; 1031-1041 | | | | |
| Void(s) encountered (N/Y) Depth(s) N | | | | |

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

Producing formation Marcellus Pay zone depth (ft) 6612'
Gas: Initial open flow 1848 MCF/d Oil: Initial open flow 100 Bbl/d
Final open flow 2904 MCF/d Final open flow 212 Bbl/d
Time of open flow between initial and final tests 216 Hours
Static rock Pressure 1800 psig (surface pressure) after 216 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

Received
Office of Oil & Gas

APR 12 2013

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

4-11-13
Date

06/14/2013

51-01523

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list _____
GR, Mudlog, Acousti, Density, Induction, Mech. Prop.& XMAC

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 page:

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

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

SEWICKLEY COAL: 890 - 910

GENESEO: 6750 - 6797

PITTSBURGH COAL: 1031 - 1041

TULLY: 6797 - 6872

MAXTON: 2009 - 2059

HAMILTON: 6872 - 6921

BIG LIME: 2082 - 2112

MARCELLUS: 6921 - 6974

BIG INJUN: 2122

ONONDAGA: 6974 - n/a (TD'd before base)

BASE OF BIG INJUN: 2256

WEIR: 2441 - 2611

BEREA: 2629 - 2869

GORDON: 2964 - 2994

BENSON: 3668 - 3678

JAVA: 5291 - 5611

RHINESTREET: 6137 - 6473

CASHAQUA: 6473 - 6605

MIDDLESEX: 6605 - 6639

WEST RIVER: 6639 - 6750

Received
Office of Oil & Gas

APR 12 2013

06/14/2013

57-01523

Fluid & Sand Volume Summary - Wayne #4H

| <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</u> | <u>Avg Inj</u> |
|-------------|--------------|----------------------------|-----------|-------------------|-------------------|-------------|-----------------|----------------|---|----------------|
| | | <u>From</u> | <u>To</u> | | | | | | | |
| | | ft | ft | | bbls | bbls | lbs | lbs | Received Oil Sands Gas bbls | BPM |
| 7/16/2012 | 1 | 12066 | 12156 | slk wtr | 4100 | | 48043 | 149031 | 190074 | 83 |
| 7/17/2012 | 2 | 11786 | 11996 | slk wtr | 7236 | 397 | 94110 | 283734 | 378844 | 82 |
| 7/19/2012 | 3 | 11486 | 11696 | slk wtr | 7408 | 721 | 93905 | 296065 | 389970 | 81 |
| 7/20/2012 | 4 | 11186 | 11396 | slk wtr | 7699 | 371 | 94048 | 310250 | 404298 | 81 |
| 7/21/2012 | 5 | 10886 | 11096 | slk wtr | 7352 | 326 | 95069 | 292209 | 387278 | 82 |
| 7/22/2012 | 6 | 10586 | 10796 | slk wtr | 7328 | 309 | 94005 | 278441 | 372446 | 81 |
| 7/23/2012 | 7 | 10286 | 10496 | slk wtr | 7018 | 288 | 93834 | 271760 | 365594 | 81 |
| 7/24/2012 | 8 | 9986 | 10196 | slk wtr | 7885 | 264 | 95096 | 299187 | 394283 | 81 |
| 7/25/2012 | 9 | 9686 | 9896 | slk wtr | 8841 | 212 | 95200 | 281974 | 377174 | 80 |
| 7/28/2012 | 10 | 9386 | 9596 | slk wtr | 7303 | 230 | 94520 | 134656 | 229176 | 80 |
| 7/29/2012 | 11 | 9086 | 9296 | slk wtr | 7300 | 201 | 94740 | 283847 | 378587 | 80 |
| 7/30/2012 | 12 | 8786 | 8996 | slk wtr | 7094 | 206 | 93484 | 297057 | 390541 | 80 |
| 7/31/2012 | 13 | 8486 | 8696 | slk wtr | 6694 | 153 | 94187 | 205027 | 299214 | 80 |
| 8/4/2012 | 14 | 8186 | 8396 | slk wtr | 6616 | 151 | 78884 | 124913 | 203797 | 80 |
| 8/5/2012 | 15 | 7886 | 8096 | slk wtr | 6969 | 121 | 79200 | 207608 | 286808 | 81 |
| 8/5/2012 | 16 | 7586 | 7796 | slk wtr | 5887 | 87 | 80251 | 85627 | 165878 | 81 |
| 8/6/2012 | 17 | 7286 | 7496 | slk wtr | 6931 | 73 | 79346 | 202986 | 282332 | 81 |
| 8/6/2012 | 18 | 7006 | 7196 | slk wtr | 6978 | 52 | 79746 | 221686 | 301432 | 80 |

Totals

126639

4162

1577668

4226058

5803726

Water to Recover

130801 bbls

APR 12 2013