

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 #: 47-051-01521

Farm name: Wayne - North Operator Well No.: 2H

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

District: Franklin County: Marshall
Latitude: 1555 Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 6635 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"		1147'	1046
Inspector: Bill Hendershot	9-5/8"		2535'	1077
Date Permit Issued: 1/13/2012	5-1/2"		12122'	3394
Date Well Work Commenced: 3/23/2012	2-3/8"		6478'	
Date Well Work Completed: 8/26/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,618'				
Total Measured Depth (ft): 12,124'				
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) 6618'
Gas: Initial open flow 1872 MCF/d Oil: Initial open flow 73 Bbl/d
Final open flow 2595 MCF/d Final open flow 168 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

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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

51-01521

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 _____
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

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51-01521

Fluid & Sand Volume Summary - Wayne #2H

Date	Stage	Perforated interval		Fluid Type	Frac Fluid	Pump Down	100 mesh	40/70 M	Total Sand	Avg Inj
		From ft	To ft							
7/16/2012	1	11939	12029	slk wtr	4018		47034	151607	198641	81
7/17/2012	2	11659	11869	slk wtr	7758	340	93968	297306	391274	81
7/19/2012	3	11359	11569	slk wtr	6798	362	94072	238672	332744	81
7/20/2012	4	11059	11269	slk wtr	6754	350	76087	276136	352223	80
7/21/2012	5	10759	10969	slk wtr	7195	310	93977	296968	390945	83
7/22/2012	6	10459	10669	slk wtr	6575	321	93953	208121	302074	83
7/23/2012	7	10159	10369	slk wtr	7591	287	94453	297124	391577	80
7/24/2012	8	9859	10069	slk wtr	8789	255	94830	282122	376952	80
7/25/2012	9	9559	9769	slk wtr	9268	214	93454	209103	302557	80
7/26/2012	10	9259	9469	slk wtr	8362	217	96516	234642	331158	80
7/27/2012	11	8959	9169	slk wtr	7688	211	94330	253129	347459	80
7/29/2012	12	8659	8869	slk wtr	6704	382	92564	124058	216622	81
7/30/2012	13	8359	8569	slk wtr	6704	159	94078	237198	331276	80
7/31/2012	14	8059	8269	slk wtr	7970	171	93569	298902	392471	81
8/1/2012	15	7759	7969	slk wtr	7962	117	93393	252542	345935	81
8/2/2012	16	7459	7669	slk wtr	7990	107	78846	307850	386696	81
8/3/2012	17	7159	7369	slk wtr	6858	83	78269	177391	255660	81
8/4/2012	18	6859	7069	slk wtr	7174	58	78873	259786	338659	81

Totals **132158** **3944** **1582266** **4402657** **5984923**

Water to Recover **136102 bbls**

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