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: 6/28/2013
API #: 47-051-01438

Farm name: Corley Operator Well No.: 4H

LOCATION: Elevation: 1272' Quadrangle: Powhatan Point 7.5'

District: Franklin County: Marshall
Latitude: 14,150 Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 3,730 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Gastar Exploration USA, Inc

Address: 229 West Main St, Suite 301	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Clarksburg, WV 26301	20"		40'	Sanded
Agent: Michael McCown	13 3/8"		1056'	947 ft^3
Inspector: Bill Hendershot	9 5/8"		2509'	960 ft^3
Date Permit Issued: 4-5-2011	5 1/2"		11388'	3036 ft^3
Date Well Work Commenced: 7-6-2011	2 3/8"		6647'	
Date Well Work Completed: 11-15-2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☐ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 6627'				
Total Measured Depth (ft): 11,388'				
Fresh Water Depth (ft.): 60'				
Salt Water Depth (ft.): 1600'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): Refer to page 2				
Void(s) encountered (N/Y) Depth(s) No				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7033' to 11,343'
Gas: Initial open flow 888 MCF/d Oil: Initial open flow 5 Bbl/d
Final open flow 1560 MCF/d Final open flow 23 Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure _____ 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.

6-29-13

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:

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

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sewickley:	Top:885, Base: 905	Java:	5378, 5698
Pittsburgh coal:	1061, 1071	Rhinestreet:	6190, 6500
Maxton:	1980, 2030	Cashaqua:	6547, 6692
Big Lime:	2043, 2073	Middlesex:	6642, 6662
Big Injun:	2079	West River:	6664, 6724
Base of Big Injun:	2223	Geneseo:	6726, 6744
Weir:	2397, 2567	Tully:	6740, 6775
Berea:	2581, 2821	Hamilton:	6786, 6836
Gordon:	2855, 2885	Marcellus:	6835, 6888
Benson:	3617, 3627		

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Fluid & Sand Volume Summary - Corley #4H

Date	Stage	Perforated interval From ft	Perforated interval To ft	Fluid Type	Frac Fluid bbls	Pump Down bbls	100 mesh lbs	40/70 M lbs	Total Sand lbs	Avg Inj BPM
10/19/2011	1	11113	11323	slk wtr	8939	0	88571	292383	380954	85
10/19/2011	2	10813	11023	slk wtr	8815	266	89574	285446	375020	85
10/20/2011	3	10513	10723	slk wtr	8847	237	88315	288318	376633	85
10/20/2011	4	10213	10423	slk wtr	8848	306	88627	288332	376959	85
10/21/2011	5	9913	10123	slk wtr	8734	238	88247	289677	377924	85
10/21/2011	6	9613	9823	slk wtr	8978	215	84432	293001	377433	86
10/21/2011	7	9313	9523	slk wtr	8598	182	88283	287421	375704	85
10/22/2011	8	9013	9223	slk wtr	8662	168	88525	290539	379064	85
10/22/2011	9	8713	8923	slk wtr	9096	138	88028	287288	375316	85
10/23/2011	10	8413	8623	slk wtr	9090	110	88356	285669	374025	85
10/23/2011	11	8113	8323	slk wtr	8766	93	88260	286423	374683	86
10/24/2011	12	7813	8023	slk wtr	8786	119	89105	289987	379092	87
10/24/2011	13	7513	7723	slk wtr	8727	57	89050	294917	383967	85
10/25/2011	14	7213	7423	slk wtr	8687	53	88734	287291	376025	86
10/25/2011	15	7033	7123	slk wtr	8829	53	89217	292215	381432	86
	Totals				**132402**	**2235**	**1325324**	**4338907**	**5664231**	

Water to Recover **134637** **bbls**

02/28/2014