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:	May 21, 2013				
API #:	47-077-00574				

District: Union Cor Latitude: 4220 Feet South of 39 Deg. 17 Longitude 1370 Feet West of 79 Deg. 32 Company: Gastar Exploration USA, Inc	adrangle: A unty: Presto Min. Min. sing & bing	on 30 Sec.		
Latitude: 4220 Feet South of 39 Deg. 17 Longitude 1370 Feet West of 79 Deg. 32 Company: Gastar Exploration USA, Inc Address: 229 West Main St, Suite 301 Ca	Min. Min. sing & bing	30 Sec. 30 Sec. Used in		
Latitude: 4220 Feet South of 39 Deg. 17 Longitude 1370 Feet West of 79 Deg. 32 Company: Gastar Exploration USA, Inc Address: 229 West Main St, Suite 301 Ca Tu	Min. Min. sing & bing	30 Sec. 30 Sec. Used in		
Company: Gastar Exploration USA, Inc Address: 229 West Main St, Suite 301 Ca Tu	sing & bing	Used in		
Address: 229 West Main St, Suite 301 Ca	bing		Left in well	
Address: 229 West Main St, Suite 301 Tu	bing		Left in well	
Clarksburg, WV 26301		8		Cement fill up Cu. Ft.
	20"		59'	Sanded
Agent: Michael McCown	13 3/8"		529'	430 sks
Inspector: Sam Ward	9 5/8"		2137'	680 sks
Date Permit Issued: 4/15/11	5 1/2"		7752'	1315 sks
Date Well Work Commenced: 6/14/11	2 3/8"		4512'	
Date Well Work Completed: 8/19/11				
Verbal Plugging:				
Date Permission granted on:			-850-11	
Rotary Cable Rig 🗸			RECEIV	
Total Vertical Depth (ft): 4708'		U	fice of Oil	& Gas
Total Measured Depth (ft): 7779'			MAY 2 2 2	การ
Fresh Water Depth (ft.): 60'				313
Salt Water Depth (ft.): 1600'	3	W	V Departn	nent of
Is coal being mined in area (N/Y)? No			onmental	
Coal Depths (ft.): none reported				
Void(s) encountered (N/Y) Depth(s) No				

Signature

05/24/2013

17.00574

Were core samples taken? Yes_X	No Were o	cuttings caught during drilling? Yes_X_No
Were Electrical, Mechanical or Geophy Compensated Z-Densilog, Compensated Neutron Log	sical logs recorded on this well? If	yes, please list_Gamma Ray, Caliber Log,
FRACTURING OR STIMULATING	G, PHYSICAL CHANGE, ETC. 2 ORD OF THE TOPS AND BO	1). DETAILS OF PERFORATED INTERVALS, 2). THE WELL LOG WHICH IS A SYSTEMATIC DITTOMS OF ALL FORMATIONS, INCLUDING TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stim	ulating:	
See attached page		
occ attached page		
70		
Plug Back Details Including Plug Type	and Depth(s):	
Formations Encountered: Surface:	Top Depth	/ Bottom Depth
Benson	45	55
Sherr	934	2150
Rhinestreet	2150	2932
Elk	2932	3100
Geneseo Tully	4518	4566
	4566	4578
Hamilton	4578	4861
Marcellus	4861	4976
Onondaga	4976	none reported

Fluid & Sand Volume Summary - Hickory Ridge #2H

<u>Date</u>	Stage	Perforate	d interval	Fluid Type	Frac Fluid	Pump	100 mesh	40/70 M	Total Sand	Avg Inj
		From	To			<u>Down</u>				
		ft	ft		bbls	bbls	lbs	lbs	lbs	BPM
8/10/2011	1	7475	7685	slk wtr	9116	0	88904	293916	382820	86
8/10/2011	2	7200	7410	slk wtr	7953	396	87435	288527	375962	86
8/11/2011	3	6945	7135	slk wtr	5144	152	90284	285713	375997	86
8/11/2011	4	6650	6820	slk wtr	5292	135	88110	299028	387138	87
8/12/2011	5	6375	6585	slk wtr	5482	136	91005	291776	382781	87
8/12/2011	6	6100	6310	slk wtr	4182	90	89347	245152	334499	85
8/13/2011	7	5825	6035	slk wtr	8512	70	88420	286581	375001	87
8/13/2011	8	5550	5760	slk wtr	8933	52	88460	268181	356641	86
8/14/2011	9	5275	5485	slk wtr	8657	46	88180	286362	374542	87
8/14/2011	10	4948	5210	slk wtr	8733	83	89537	290885	380422	87

Totals 72004 1160 889682 2836121 3725803

Water to Recover 73164 bbls