

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

Farm Name: **Hohman HBP S 3H**

Operator Well No.: **627377**

LOCATION Elevation: **1494'**
District: **Proctor**
Latitude: **11,300 ft South of** 39° 42' 30"
Longitude: **10,00 ft West of** 80° 40' 00"

Quadrangle: **Wileyville**
County: **Wetzel**

Company: Chesapeake Appalachia, L.L.C.
P.O. Box 18496
OKC, OK 73154-0496

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill-Up Cu.Ft.
20"	40	40'	Driven
13 3/8"	1448'	1448'	1522 Cu. Ft.
9 5/8"	2783'	2783'	1198 Cu. Ft.
5 1/2"	12,473'	12,473'	1808 Cu. Ft.

Agent: Eric Gillespie
Inspector: David Scranage
Date Permit Issued: **6/4/2009**
Date Well work commenced: **3/27/2010**
Date Well Work completed: **8/2/2010**
Verbal Plugging Permission
Granted on / /
Rotary Cable Rig
Total Depth (ft): 12,480' TVD (ft): 7120'
Fresh Water Depth (ft): 438'
Salt Water Depth (ft.): **NA**
Is coal being mined in area (Yes No
Coal Depths (ft): 230' & 1280'
Was this well logged and plugged back?
Yes ___ No X if yes -
depth cement plug set _____'

Open Flow Data

1st Producing Formation Pay Zone Depth 7,398 ft to 12,341 ft

Gas: Initial Open Flow 3,371 Mcf/day Oil: Initial Open Flow bbl/day
Final Open Flow N/A Mcf/day Final Open Flow bbl/day
Time of Open Flow between Initial and Final Tests In hours
Line
Static Rock Pressure 4,628 psig after N/A hours

2nd Producing Formation Pay Zone Depth ft to ft

Gas: Initial Open Flow N/A Mcf/day Oil: Initial Open Flow bbl/day
Final Open Flow N/A Mcf/day Final Open Flow bbl/day
Time of Open Flow between Initial and Final Tests hours
Static Rock Pressure N/A psig after hours

3rd Producing Formation Pay Zone Depth ft to ft

Gas: Initial Open Flow N/A Mcf/day Oil: Initial Open Flow bbl/day
Final Open Flow N/A Mcf/day Final Open Flow bbl/day
Time of Open Flow between Initial and Final Tests hours
Static Rock Pressure N/A psig after hours

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Perforated Intervals

1 st Stage	Marcellus	50 holes from	12,039 ft to	12,341 ft
2 nd Stage	Marcellus	50 holes from	11,664 ft to	11,966 ft
3 rd Stage	Marcellus	50 holes from	11,289 ft to	11,591 ft
4 th Stage	Marcellus	50 holes from	10,914 ft to	11,216 ft
5 th Stage	Marcellus	50 holes from	10,539 ft to	10,841 ft
6 th Stage	Marcellus	50 holes from	10,160 ft to	10,466 ft
7 th Stage	Marcellus	50 holes from	9,787 ft to	10,091 ft
8 th Stage	Marcellus	50 holes from	8,898 ft to	9,195 ft
9 th Stage	Marcellus	50 holes from	8,523 ft to	8,823 ft
10 th Stage	Marcellus	50 holes from	8,148 ft to	8,450 ft
11 th Stage	Marcellus	50 holes from	7,768 ft to	8,075 ft
12 th Stage	Marcellus	50 holes from	7,398 ft to	7,700 ft

Fracturing / Stimulation

1 st Stage	Type of Treatment Slickwater			
	Total Acid 5,000 Gal of 15% HCl		Breakdown Pressure 5,303 psi	
	Average Rate 85 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 7,546 psi MTP 8,653 psi	
	Total Fluid 11,448 bbl	Total Nitrogen 0 scf	Total Sand 151,000 lb of 100 mesh	
			Total Sand 383,000 lb of 40/70	
	ISIP 4,313 psi	5 min 3,660 psi		
2 nd Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,644 psi	
	Average Rate 88 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,868 psi MTP 8,136 psi	
	Total Fluid 10,458 bbl	Total Nitrogen 0 scf	Total Sand 140,880 lb of 100 mesh	
			Total Sand 344,174 lb of 40/70	
	ISIP 4,286 psi	5 min 3,529 psi		
3 rd Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,525 psi	
	Average Rate 87 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,846 psi MTP 8,702 psi	
	Total Fluid 10,642 bbl	Total Nitrogen 0 scf	Total Sand 138,318 lb of 100 mesh	
			Total Sand 346,971 lb of 40/70	
	ISIP 4,595 psi	5 min 3,675 psi		
4 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,745 psi	
	Average Rate 87 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,648 psi MTP 8,800 psi	
	Total Fluid 10,604 bbl	Total Nitrogen 0 scf	Total Sand 143,777 lb of 100 mesh	
			Total Sand 338,382 lb of 40/70	
	ISIP 4,621 psi	5 min 3,658 psi		
5 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,870 psi	
	Average Rate 79 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,649 psi MTP 8,946 psi	
	Total Fluid 11,294 bbl	Total Nitrogen 0 scf	Total Sand 144,134 lb of 100 mesh	
			Total Sand 342,237 lb of 40/70	
	ISIP 4,485 psi	5 min 3,540 psi		
6 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,814 psi	
	Average Rate 81 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,576 psi MTP 8,890 psi	
	Total Fluid 10,232 bbl	Total Nitrogen 0 scf	Total Sand 145,404 lb of 100 mesh	
			Total Sand 341,961 lb of 40/70	
	ISIP 4,405 psi	5 min 3,622 psi		
7 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,863 psi	
	Average Rate 84 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,777 psi MTP 8,450 psi	
	Total Fluid 10,165 bbl	Total Nitrogen 0 scf	Total Sand 142,809 lb of 100 mesh	
			Total Sand 340,487 lb of 40/70	
	ISIP 4,317 psi	5 min 3,577 psi		

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8 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl	Breakdown Pressure 5,829 psi	
	Average Rate 89 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 6,910 psi	MTP 8,527 psi
	Total Fluid 10,038 bbl	Total Nitrogen 0 scf	Total Sand 142,242 lb of 100 mesh
			Total Sand 341,070 lb of 40/70
	ISIP 4,210 psi	5 min 3,522 psi	
9 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl	Breakdown Pressure 6,127 psi	
	Average Rate 90 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 6,787 psi	MTP 8,462 psi
	Total Fluid 9,886 bbl	Total Nitrogen 0 scf	Total Sand 139,660 lb of 100 mesh
			Total Sand 337,904 lb of 40/70
	ISIP 4,558 psi	5 min 3,503 psi	
10 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl	Breakdown Pressure 6,025 psi	
	Average Rate 79 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 6,610 psi	MTP 8,235 psi
	Total Fluid 11,284 bbl	Total Nitrogen 0 scf	Total Sand 140,683 lb of 100 mesh
			Total Sand 342,468 lb of 40/70
	ISIP 4,668 psi	5 min 3,573 psi	
11 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl	Breakdown Pressure 6,408 psi	
	Average Rate 80 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 7,119 psi	MTP 8,085 psi
	Total Fluid 12,648 bbl	Total Nitrogen 0 scf	Total Sand 153,728 lb of 100 mesh
			Total Sand 339,972 lb of 40/70
	ISIP 4,275 psi	5 min 3,383 psi	
12 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl	Breakdown Pressure 5,840 psi	
	Average Rate 88 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 6,984 psi	MTP 8,785 psi
	Total Fluid 10,231 bbl	Total Nitrogen 0 scf	Total Sand 156,243 lb of 100 mesh
			Total Sand 347,361 lb of 40/70
	ISIP 4,722 psi	5 min 3,428 psi	

