

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



Farm name: GLOVER, KENNETH & GENIEVA Operator Well No.: SAMUEL MCMILLEN NO. 6

LOCATION: Elevation: 1,175' Quadrangle: CENTERPOINT 7.5'

District: MCELROY County: TYLER
Latitude: 4,695 Feet south of 39 Deg 27 Min 30 Sec.
Longitude: 5,405 Feet west of 80 Deg 40 Min 0 Sec.

Company Address:	HG Energy 5260 DuPont Road Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Joe Taylor				
Date Permit Issued:	10/16/2012				
Date Well Work Commenced:	11/15/2012				
Date Well Work Completed:	01/24/2013				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	1159'	1159'	250 sks
Total vertical Depth (ft):	3248'				
Total Measured Depth (ft):	3644'				
Fresh Water Depth (ft):	360'	4 1/2"	3577'	3577'	230 sks
Salt Water Depth (ft):	1300'				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft):	975'-984'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA

* Waterflood Producer

This well drilled directionally NE 67.7° a distance of 973'. 3377'-3385'
Pay zone depth (ft) 3411'-3416'

Producing formation Gordon

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

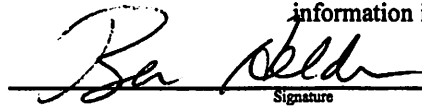
Second producing formation Pay zone depth (ft)

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

001-12-2013

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 and data, I believe that the information is true, accurate, and complete.


Signature

2/1/13
Date

08/16/2013

WV Dept. of Environmental Protection

Were core samples taken? No

Were cuttings caught during drilling? No 95-02055

Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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.

Treatment : Treated perms 3377'-3385', 3387'-3395', & 3411'-3416' w/ 750 gals 15% HCL , 298 bbls cross linked gel, and 20,000# 20/40 sand.

Well Log : All depths are measured relative to KB (8' AGL).

Shale w/ sand streaks	0	-	975
Coal	975	-	984
Shale w/ sand streaks	984	-	1508
Sand	1508	-	1560
shale	1560	-	1598
sand	1598	-	1641
shale	1641	-	1658
sand	1658	-	1714
shale	1714	-	1837
sand	1837	-	1862
shale	1862	-	1876
sand	1876	-	1912
shale	1912	-	2222
sand	2222	-	2245
shale	2245	-	2252
sand	2252	-	2298
Big Lime	2298	-	2368
Big Injun	2368	-	2564
shale	2564	-	3335
Gordon stray	3335	-	3354
Gordon	3354	-	3396
shale	3396	-	3400
sand	3400	-	3406
shale	3406	-	3410
sand	3410	-	3418
shale	3418	-	3644
TD	3644		
T.D. -Logger	3633	KB	
T.D. -Driller	3644	KB	

08/16/2013