

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: JUNKINS, EARL & BELVA Operator Well No.: HIRAM LYNCH 210
 LOCATION: Elevation: 998' Quadrangle: WOLF SUMMIT 7.5'
 District: TEN MILE County: HARRISON
 Latitude: 2,025 Feet south of 39 Deg 17 Min 30 Sec.
 Longitude: 7,900 Feet west of 80 Deg 27 Min 30 Sec.

Company: HG Energy LLC
 5260 Dupont Rd
 Parkersburg, WV 26101
 Agent: Michael Kirsch
 Inspector: TRISTAN JENKINS
 Permit Issued: 03/12/12
 Well work Commenced: 03/15/12
 Well work Completed: 03/19/12
 Verbal plugging permission granted on:
 Rotary X Cable _____ Rig _____
 Total Depth (feet) 2750'
 Fresh water depths (ft) N/A
 Salt water depths (ft) N/A
 Is coal being mined in area (Y/N) N
 Coal Depths (ft): 246'-253'

Casing Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	353'	353'	85 sks
4 1/2"	2696.4'	2696.4'	150 sks
2 3/8"	2562'	2562'	not

OPEN FLOW DATA * WATERFLOOD INJECTOR

Producing formation Fifth Sand Pay zone depth (ft) 2585'-2596'
 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

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.

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For: HG Energy LLC
 By: [Signature]
 Date: 7/31/13

Treatment : No additional treatment. Installed 2 3/8" tubing on Baker Lock Set packer @ 2562'
 Converted well to injection

Well Log :

0	213	Sand and Shale
213	240	Sand
240	246	Shale
246	253	Coal
253	325	Shale
325	370	Sand
370	678	Shale
678	700	Sand
700	768	Shale
768	196	Sand
196	855	Shale
855	900	Sand
900	943	Shale
943	1035	Sand
1035	1169	Shale
1169	1216	Sand
1216	1273	Shale
1273	1284	Sand
1284	1478	Shale
1478	1498	Sand
1498	1534	Shale
1534	1548	Sand
1548	1562	Shale
1562	1584	Sand
1584	1598	Shale
1598	1690	Big Lime
1690	1745	Big Injun
1745	2198	Shale
2198	2182	Sand
2182	2260	Shale
2260	2434	Sand
2434	2581	Shale
2581	2597	Sand
2597	2750	Shale
2750		TD

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