

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

Well Operator's Report of Well Work

Farm name: MILLER, ISRAEL-ESTATE

Operator Well No.: ISRAEL MILLER 7

LOCATION: Elevation: 1,150'

Quadrangle: PINE GROVE 7.5'

District: GREEN

County: WETZEL

Latitude: 9,750 Feet south of

39 Deg 32 Min 30 Sec.

Longitude: 9,350 Feet west of

80 Deg 40 Min 0 Sec.

Company: H G ENERGY LLC
5260 Dupont Rd
Parkersburg, WV 26101

Agent: MICHAEL KIRSCH

Inspector: DEREK HAUGHT

Permit Issued: 09/18/12

Well work Commenced: 03/07/13

Well work Completed: 03/13/13

Verbal plugging

permission granted on:

Rotary X Cable _____ Rig _____

Total Depth (feet) 3260'

Fresh water depths (ft) N/A

Salt water depths (ft) 1500'

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

Casing Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	417'	417'	100 sks
4 1/2"	3150.8'	3150.8'	150 sks

OPEN FLOW DATA * WATER INJECTION WELL

Producing formation Gordon Pay zone depth (ft) 2975'2981', 2984'-2986'

Gas: Initial open flow * MCF/d Oil: Initial open flow NOV 18 2013 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
Office of Oil and Gas
NOV 18 2013
WV Department of Environmental Protection

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.

For: H G ENERGY LLC

By: [Signature]

Date: 11/13/13

01/03/2014

Treatment :

Treated perfs (2975'-2981', 2984'-2986') w/ 250 gals. 15% HCl,
317 bbls cross linked gel, and 18,000 # 30/50 sand.

converted to water inejection

Well Log :

0	723	Sand and Shale
723	770	Sand
770	880	Shale
880	894	Sand
894	976	Shale
976	986	Sand
986	995	Shale
995	1018	Sand
1018	1076	Shale
1076	1100	Sand
1100	1386	Shale
1386	1436	Sand
1436	1443	Shale
1443	1466	Sand
1466	1488	Shale
1488	1517	Sand
1517	1628	Shale
1628	1666	Sand
1666	1710	Shale
1710	1729	Sand
1729	1769	Shale
1769	1814	Sand
1814	1876	Shale
1876	1944	Sand
1944	2052	Shale
2052	2078	Sand
2078	2093	Shale
2093	2106	Sand
2106	2166	Big Lime
2166	2368	Big Injun
2368	2940	Shale
2940	2958	Gordon Stray
2958	2971	Shale
2971	2986	Gordon
2986	2990	Shale
2990	2998	Sand
2998	3261	Shale
3261		TD