

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operators Report of Well Work

Date: December 3, 2009  
API #: 4703906035

LOCATION

Farm Name: Blue Eagle Land Operators well name: AL-250 Elevation: 1159 GL  
7 1/2 Min. Quad Mammoth District: Elk County: Kanawha Latitude: 5420FTS 38-22-30 Longitude: 100FTW 81-17-30

COMPANY

Reed Gas, Inc.  
1314 Virginia Street East  
Charleston, WV 25301 Operator #: 41350

Agent: James W. Reed Jr.  
Inspector: Terry Urban  
Date Permit Issued: 8/23/07  
Date Well Work Commenced: 12/20/07  
Date Well Work Completed: 1/9/08  
Total Depth (feet): 5780

Csg & Tbg (in-OD)	Used in Drilling	Left in Well		
13-3/8	20	20		Ft
9-5/8	336	336		Ft
7.000	1857	1857		Ft
4-1/2	5744	5744		Ft
Tubing				Ft

Cement Data	
Sks (Lead/Tail)	Cement
Grout to surface	
102	To Surface
125	To Surface
150	

Verbal Plugging  
Date Permission Granted:

Fresh Water Depth (feet):  
Salt Water Depth (feet): 967  
Is coal being mined in area? No

OPEN FLOW DATA

1 <sup>st</sup> Producing formation:	<b>Marcellus</b>	Pay zone depth (ft): 5646   5742
Gas: Initial Open Flow: _____ Final Open Flow: _____ Time of open flow between initial and final tests: _____ hours Static rock pressure: _____	MCF/d Oil: _____ * See Remarks MCF/d	Initial Open Flow: _____ Bbl/d Final Open Flow: _____ Bbl/d
2 <sup>nd</sup> Producing formation:	<b>Rhinestreet</b>	Pay zone depth (ft) 5032   5532
Gas: Initial Open Flow: _____ Final Open Flow: _____ Time of open flow between initial and final tests: _____ hours Static rock pressure: _____	MCF/d Oil: _____ * See Remarks MCF/d	Initial Open Flow: _____ Bbl/d Final Open Flow: _____ Bbl/d
3 <sup>rd</sup> Producing formation:	<b>Huron</b>	Pay zone depth (ft): 2383   4513
Gas: Initial Open Flow: _____ Final Open Flow: _____ Time of open flow between initial and final tests: _____ hours Static rock pressure: _____	MCF/d Oil: _____ * See Remarks MCF/d	Initial Open Flow: _____ Bbl/d Final Open Flow: _____ Bbl/d
4 <sup>th</sup> Producing formation:	<b>L. Weir</b>	Pay zone depth (ft): 2156   2196
Gas: Initial Open Flow: _____ Final Open Flow: _____ Time of open flow between initial and final tests: _____ hours Static rock pressure: _____	MCF/d Oil: _____ * See Remarks MCF/d	Initial Open Flow: _____ Bbl/d Final Open Flow: _____ Bbl/d
5 <sup>th</sup> Producing formation:	<b>injun</b>	Pay zone depth (ft): 2002   2026
Gas: Initial Open Flow: _____ Final Open Flow: _____ Time of open flow between initial and final tests: _____ hours Static rock pressure: _____	MCF/d Oil: _____ * See Remarks MCF/d	Initial Open Flow: _____ Bbl/d Final Open Flow: _____ Bbl/d
6 <sup>th</sup> Producing formation:	<b>Lime</b>	Pay zone depth (ft) 1912   1975
Gas: Initial Open Flow: _____ Final Open Flow: _____ Time of open flow between initial and final tests: _____ hours Static rock pressure: _____	MCF/d Oil: _____ * See Remarks MCF/d	Initial Open Flow: _____ Bbl/d Final Open Flow: _____ Bbl/d

RECEIVED  
Office of Oil & Gas

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 GEOLOGIC RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: \_\_\_\_\_  
By: James W. Reed, Jr.  
Date: \_\_\_\_\_

WV Department of  
Environmental Protection  
01/27/2012

WR - 35  
Rev (5-01)

Date: December 3, 2009  
API #: 4703906035

Reed Gas, Inc.  
1314 Virginia Street East  
Charleston, WV 25301

Farm Name: Blue Eagle Land

Well Name: AL-250 Elevation: 1159

**GEOLOGICAL RECORD**

Formation	Top	Base
Sand & Shale	Surface	832
Eagle Shale	832	836
Sand & Shale	832	910
Rosedale Sd.	910	945
Sand & Shale	945	1085
Salt Sd.	1085	1452
Sand & Shale	1452	1742
Maxon Sd.	1742	1793
Sand & Shale	1793	1798
Little Lime	1798	1832
Sand & Shale	1832	1832
Pencil Cave	1832	1847
Greenbrier Ls.	1847	2015
Big Injun Sd.	2015	2032
Sand & Shale	2032	2075

Formation	Top	Base
Weir Sd.	2075	2200
Sand & Shale	2200	2432
Coffee Sh.	2432	2450
Devonian Shale	2450	4105
Lower Huron Shale	4105	4515
Sand & Shale	4515	4975
Rhinestreet Sh	4975	5535
Hamilton Sh.	5535	5700
Marcellus Shale	5700	5758
Onondaga Ls	5758	TD

**COMPLETION RECORD**

Contractor: Universal	
Date: 17-Nov-08	
<b>Stage 1</b>	
Formation	Marcellus
Type	Nitrogen
Casing (in)	4.500
Top Perf Interval	5646
Base Perf Interval	5742
Perf Count	47
Breakdown (psi)	3593
Ave Treat (psi)	4100
Water (Bbl)	
Rate (bpm)	
Total Sand (lbs)	
Conc.(lb/gal)	
Nitrogen (Mscf)	600
Rate (Mscf/min)	30

Contractor: Universal	
Date: 17-Nov-08	
<b>Stage 2</b>	
Formation	Rhinestreet
Type	Nitrogen
Casing (in)	4.500
Top Perf Interval	5032
Base Perf Interval	5532
Perf Count	38
Breakdown (psi)	2425
Ave Treat (psi)	3075
Water (Bbl)	
Rate (bpm)	
Total Sand (lbs)	
Conc.(lb/gal)	
Nitrogen (Mscf)	1000
Rate (Mscf/min)	58

Contractor: Universal	
Date: 17-Nov-08	
<b>Stage 3</b>	
Formation	Huron
Type	Nitrogen
Casing (in)	4.500
Top Perf Interval	2383
Base Perf Interval	4513
Perf Count	50
Breakdown (psi)	2610
Ave Treat (psi)	2700
Water (Bbl)	
Rate (bpm)	
Total Sand (lbs)	
Conc.(lb/gal)	
Nitrogen (Mscf)	1000
Rate (Mscf/min)	57

Contractor: Universal	
Date: 17-Nov-08	
<b>Stage 4</b>	
Formation	L. Weir
Type	70 QFoam
Casing (in)	4.500
Top Perf Interval	2156
Base Perf Interval	2196
Perf Count	21
Breakdown (psi)	2560
Ave Treat (psi)	3500
Water (Bbl)	279
Ave Rate (bpm)	21
Total Sand (lbs)	200
Conc.(lb/gal)	
Nitrogen (Mscf)	419
Rate (Mscf/min)	

Contractor: Universal	
Date: 17-Nov-08	
<b>Stage 5</b>	
Formation	Injun
Type	75Q Foam
Casing (in)	4.500
Top Perf Interval	2002
Base Perf Interval	2026
Perf Count	28
Breakdown (psi)	200
Water (Bbl)	157
Ave Treat (psi)	3050
Ave Rate (bpm)	30
Total Sand (lbs)	300
Conc.(lb/gal)	
Nitrogen (Mscf)	342
Rate (Mscf/min)	

Contractor: Universal	
Date: 17-Nov-08	
<b>Stage 6</b>	
Formation	Lime
Type	Acid
Casing (in)	4.500
Top Perf Interval	1912
Base Perf Interval	1975
Perf Count	10
Breakdown (psi)	4500
Water (Bbl)	40
Ave Treat (psi)	2700
Ave Rate (bpm)	8
Total Sand (lbs)	
15% Acid (gal)	1550
Nitrogen (Mscf)	
Rate (Mscf/min)	

**Remarks**

\*Comingled  
FOF: 540m/d  
IRP: 600#  
TIL: 03/19/08