

WR -35

Date: 10/6/2010
API # 47-097-03689

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

Farm Name: Dale Winfree 3H

Operator Well No.: 831580

LOCATION Elevation: 1961'
District: Banks
Latitude: 6350 ft South of 38° 50' 00"
Longitude: 5600 ft West of 80° 17' 30"

Quadrangle: Rock Cave
County: Upshur

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'	70'	70'	Driven
13 3/8"	602'	602'	670 CF
9 5/8"	1853'	1853'	814 CF
7"	7550'	7550'	632 CF
4 1/2' liner	11,446'	11,446'	483 CF

Agent: Eric Gillespie
Inspector: Bill Hatfield
Date Permit Issued: 11/12/2009
Date Well work commenced: 1/15/2010
Date Well Work completed: 9/23/2010
Verbal Plugging Permission
Granted on / /
Rotary Cable Rig
Total Depth (ft): 11,446' TVD (ft): 7214'
Fresh Water Depth (ft): 475'
Salt Water Depth (ft.): 1,161'
Is coal being mined in area (Yes No
Coal Depths (ft): None
Was this well logged and plugged back?
Yes ___ No ___ if yes -
depth cement plug set _____

RECEIVED
Office of Oil & Gas

JAN 17 2013

WV Department of
Environmental Protection

Open Flow Data

1st Producing Formation Pay Zone Depth 7,483 ft to 11,325 ft

Gas: Initial Open Flow 2,276 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 hours
Static Rock Pressure 3,246 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.

02/08/2013

Chesapeake Energy
Well No.: 831580

Perforated Intervals

1 st Stage	Marcellus	50 holes from	11,083 ft to	11,325 ft
2 nd Stage	Marcellus	50 holes from	10,783 ft to	11,025 ft
3 rd Stage	Marcellus	50 holes from	10,478 ft to	10,725 ft
4 th Stage	Marcellus	50 holes from	10,178 ft to	10,425 ft
5 th Stage	Marcellus	50 holes from	9,878 ft to	10,125 ft
6 th Stage	Marcellus	50 holes from	9,588 ft to	9,825 ft
7 th Stage	Marcellus	50 holes from	9,288 ft to	9,525 ft
8 th Stage	Marcellus	50 holes from	8,983 ft to	9,225 ft
9 th Stage	Marcellus	50 holes from	8,683 ft to	8,925 ft
10 th Stage	Marcellus	50 holes from	8,383 ft to	8,625 ft
11 th Stage	Marcellus	50 holes from	8,083 ft to	8,325 ft
12 th Stage	Marcellus	50 holes from	7,783 ft to	8,025 ft
13 th Stage	Marcellus	50 holes from	7,483 ft to	7,725 ft

Fracturing / Stimulation

1 st Stage	Type of Treatment Slickwater		
	Total Acid 5,000 Gal of 15% HCl		Breakdown Pressure 6,941 psi
	Average Rate 80 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 6,653 psi MTP 8,990 psi
	Total Fluid 7,104 bbl	Total Nitrogen 0 scf	Total Sand 82,023 lb of 100 mesh
			Total Sand 269,435 lb of 40/70
	ISIP 2,220 psi	5 min 0 psi	
2 nd Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 6,584 psi
	Average Rate 87 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 7,635 psi MTP 9,005 psi
	Total Fluid 8,961 bbl	Total Nitrogen 0 scf	Total Sand 80,481 lb of 100 mesh
			Total Sand 322,715 lb of 40/70
	ISIP 3,734 psi	5 min 2,908 psi	
3 rd Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,674 psi
	Average Rate 87 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 7,636 psi MTP 8,640 psi
	Total Fluid 9,218 bbl	Total Nitrogen 0 scf	Total Sand 80,306 lb of 100 mesh
			Total Sand 317,033 lb of 40/70
	ISIP 0 psi	5 min 2,932 psi	
4 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 8,019 psi
	Average Rate 83 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 7,634 psi MTP 9,120 psi
	Total Fluid 9,634 bbl	Total Nitrogen 0 scf	Total Sand 81,000 lb of 100 mesh
			Total Sand 322,136 lb of 40/70
	ISIP 3,526 psi	5 min 2,987 psi	
5 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 7,401 psi
	Average Rate 86 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 7,252 psi MTP 8,647 psi
	Total Fluid 8,724 bbl	Total Nitrogen 0 scf	Total Sand 80,718 lb of 100 mesh
			Total Sand 321,655 lb of 40/70
	ISIP 3,743 psi	5 min 3,138 psi	
6 th Stage	Type of Treatment Slickwater		
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 7,383 psi
	Average Rate 90 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 7,560 psi MTP 8,874 psi
	Total Fluid 8,725 bbl	Total Nitrogen 0 scf	Total Sand 80,307 lb of 100 mesh
			Total Sand 321,175 lb of 40/70
	ISIP 3,840 psi	5 min 3,173 psi	

02/08/2013

Leak Wellbore 3H

HORIZONTAL WELL (No pilot hole associated with this pad)				
Maximum TVD of wellbore:	7214 ft TVD @ 11446 ft MD			
Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS and SH	0	0	530	530
SS and SH	530	530	1556	1556
Big Lime	1556	1556	1600	1600
SS and SILTSTN	1600	1600	1767	1767
Big Injun	1767	1767	1810	1810
SS and SILTSTN	1810	1810	2590	2590
SILTSTN	2590	2590	3750	3750
SILTSTN and SS	3750	3750	5250	5250
SS and SH	5250	5250	5475	5475
SILTSTN and SH	5475	5475	6700	6670
SH and LS	6700	6670	7090	7052
Geneseo	7090	7052	7136	7085
Tully	7136	7085	7173	7109
Hamilton	7173	7109	7346	7193
Marcellus	7346	7193	7475	7230
Purcell	7475	7230		
End of Well			11446	7214