

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2013-02-28
API #: 470450144501

45-01415 PP/FRAC

Farm name: Cole & Crane Trust Operator Well No.: 507550

LOCATION: Elevation: 1,259 Quadrangle: PANTHER

District: COLE, ALBERT H. County: Logan, WV
Latitude: 37.737960533 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude -81.938661785 Feet West of _____ Deg. _____ Min. _____ Sec.

Company: EQT Production Company

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	13-3/8"	35'	35'	Grtd
Agent: Rex Cecil Ray	9-5/8"	406'	406'	229
Inspector:	7	2416'	2416'	415
Date Permit Issued: 2008-07-29	4-1/2	5503	5203	367
Date Well Work Commenced: 2009-03-28				
Date Well Work Completed: 2009-04-12				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 4,650				
Total Measured Depth (ft): 8,350				
Fresh Water Depth (ft.): 52, 74, 184, 309				
Salt Water Depth (ft.): 671,946, 1844, 1997, 2241				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 115 and 175				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Lower Huron Pay zone depth (ft) 4,267

Gas: Initial open flow 1315 MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 1039 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 1002 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

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Environmental Protection

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

Mike Butcher
Signature

2013-02-28
Date

03/15/2013

Were core samples taken? Yes _____ No **X**

Were cuttings caught during drilling? Yes **X** No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

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.

Perforated Intervals, Fracturing, or Stimulating:

See Attachment

Plug Back Details Including Plug Type and Depth(s):

N/A

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth

Surface:

Sand & Shale / 0 / 115 / 115 -- Coal / 115 / 119 / 4 -- Sand & Shale / 119 / 175 / 56

Coal / 175 / 179 / 4 -- Sand & Shale / 179 / 880 / 701 -- Lee Sands / 880 / 1665 / 785 -- Pennington Group / 1665 / 2362 / 686

Little Lime / 2362 / 2405 / 43 -- Pencil Cave Shale / 2405 / 2425 / 20 -- Big Lime / 2425 / 2650 / 212

Big Injun Sand / 2650 / 2754 / 104 -- Weir Sand / 2754 / 2885 / 131 -- Base Weir / 2885 / 3209 / 324

Sunbury / 3209 / 3237 / 28 -- Berea Sand / 3237 / 3255 / 18 -- Upper Devonian / 3255 / 4267 / 1012

Lower Huron Shale / 4267 / 4651 / 384 -- Java Shale / 4651 / 4781 / 130 -- Angola Shale / 4781 / 4985 / 204

Rhinstreet Shale / 4985

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type				
1	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	7319 - 7519		4,811.00	6,127.00	5 Min:	
					10 Min:	
					15 Min:	
Avg Rate	Max Press PSI	ISIP		Frac Gradient		
98,976.00	6,299.00					
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
		1,002,092.00				
Stage	Formation	Frac Type				
2	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	7033 - 7319		3,904.00	5,945.00	5 Min:	
					10 Min:	
					15 Min:	
Avg Rate	Max Press PSI	ISIP		Frac Gradient		
102,573.00	6,003.00					
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	7.10	1,003,421.00				
Stage	Formation	Frac Type				
3	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	6792 - 7033		3,861.00	5,742.00	5 Min:	
					10 Min:	
					15 Min:	
Avg Rate	Max Press PSI	ISIP		Frac Gradient		
104,760.00	5,768.00					
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.30	1,002,898.00				

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Stage	Formation	Frac Type				
4	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	6507 - 6792		3,596.00	5,419.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
103,353.00	5,534.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.70	1,003,655.00				
Stage	Formation	Frac Type				
5	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	6221 - 6507		3,649.00	5,648.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
105,667.00	5,683.00	3,691.00			15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.40	1,004,707.00				
Stage	Formation	Frac Type				
6	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	5980 - 6221		3,690.00	5,498.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
105,092.00	5,587.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	6.50	1,002,328.00				

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Stage	Formation	Frac Type				
7	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	5695 - 5980		3,701.00	5,415.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
104,916.00	5,444.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.60	1,004,067.00				
Stage	Formation	Frac Type				
8	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	5409 - 5695		3,738.00	5,301.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
102,628.00	5,355.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.40	1,002,652.00				
Stage	Formation	Frac Type				
9	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	5168 - 5409		3,645.00	5,245.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
105,140.00	5,279.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.90	1,004,821.00				

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Stage	Formation	Frac Type				
10	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	4883 - 5168		3,653.00	5,059.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
104,167.00	5,180.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	5.30	1,002,532.00				
Stage	Formation	Frac Type				
11	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	4598 - 4883		3,557.00	4,851.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
103,129.00	4,879.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	6.30	1,002,058.00				
Stage	Formation	Frac Type				
12	LOWER HURON	N ²				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/19/2010	4356 - 4598		3,632.00	5,164.00	5 Min:	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
103,911.00	5,316.00				15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
	2.70	1,002,473.00				

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Stage	Formation	Frac Type			
13	LOWER HURON	N ²			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/19/2010	4071 - 4356		3,426.00	4,602.00	5 Min:
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:
102,558.00	4,629.00	2,985.00			15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
	5.50	1,002,891.00			
Stage	Formation	Frac Type			
14	BIG LIME	N ²			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/15/2010	2321 - 2331		5,949.00	3,687.00	5 Min: 2657
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:
29,160.00	3,995.00	3,182.00	1.46		15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
647,240.00	229.96	570,976.00	2.00		