

WR-35

Date April 11, 2013  
API # 47 - 109 - 01811

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

Farm Name: Ritter Lumber Operator Well No.: Ritter 319 (216151)

LOCATION: Elevation: 1218' Quadrangle: Baileysville  
District: Baileysville County: Wyoming  
Latitude: 13,420' feet South of 37° DEG. 37' MIN. 30" SEC.  
Longitude: 8,640' feet West of 81° DEG. 37' MIN. 30" SEC.

Company: EQT Production Co  
1710 Pennsylvania Ave  
Charleston, WV 25302

Agent: Rex C. Ray  
Inspector: Ofie Helmick  
Permit Issued: \_\_\_\_\_  
Well Work Commenced: October 18, 1999  
Well Work Completed: October 23, 1999  
Verbal Plugging: \_\_\_\_\_  
Permission granted on:  
Rotary X Cable \_\_\_\_\_  
Total Depth (feet) 1,528'  
Fresh Water Depths (ft) 68', 165', 655'  
Salt Water Depths (ft) none reported  
Is coal being mined in area (Y / N) ? \_\_\_\_\_  
Coal Depths (ft) 25'-27', 220'-224', 818'-822', 842'-846'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	34'	34'	
9 5/8"	351'	351'	125 sx
7"	1220'	1220'	C.T.S.
4 1/2"		1361	
<b>RECEIVED</b> <b>Office of Oil &amp; Gas</b> <b>MAY 16 2013</b>			

WV Department of  
Environmental Protection

OPEN FLOW DATA

Producing Formation Ravencliff  
Gas: Initial Open Flow \_\_\_\_\_ MCF/d  
Final Open Flow \_\_\_\_\_ MCF/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig surface pressure after \_\_\_\_\_ Hours

Pay Zone  
Depth (ft) 1362' - 1420'  
Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
Final Open Flow \_\_\_\_\_ Bbl/d

Second Producing Formation \_\_\_\_\_  
Gas: Initial Open Flow \_\_\_\_\_ MCF/d  
Final Open Flow \_\_\_\_\_ MCF/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig surface pressure after \_\_\_\_\_ Hours

Pay Zone  
Depth (ft) \_\_\_\_\_  
Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
Final Open Flow \_\_\_\_\_ Bbl/d

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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: EQT Production Company

By: Victoria Dugg  
Date: Lead man 04

47-109-01811

Ritter 319

FORMATION	TOP	BOTTOM	REMARKS
Sand		23	
Shale	23	25	
Coal	25	27	
Shale Sand	27	44	
Sandy Shale	44	98	
Sand	98	180	
Sandy Shale	180	220	
Coal	220	224	
White Sand & Shale	224	302	
Salt Sand	302	445	
Sandy Shale	445	458	
Sand	458	497	
Sandy Shale	497	638	
Sand	638	818	
Coal	818	822	
Sand	822	842	
Coal	842	846	
Sand	846	1080	
Shale, Sand RR	1080	1135	
Sand	1135	1186	
Shale	1186	1191	
Sand	1191	1210	
Shale	1210	1360	
Sand	1360	1433	
Big Lime	1433	1500	
Shale	1500	1528	

Frac 11/4/1999

Slick water frac

BD Pressure 1436 psi F.G. 1.4 ATP 1984 psi Final ISIP 1323 psi  
Avg Rate 20.4 B/m Pumped 14,500 gal 330 gal H<sub>2</sub>O

05/17/2013