



WR-35

24-May-99

API # 47-

109-01816

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

Well Operator's Report of Well Work Reviewed \_\_\_\_\_

Farm Name: GA PACIFIC & TOLER, JOANN

Operator Well No.: RITTER 310

LOCATION: Elevation: 1,754.00      Quadrangle: GILBERT  
District: CLEAR FORK      County: WYOMING  
Latitude: 3750      Feet South of 37 DEG 37 MIN 30 SEC  
Longitude: 3200      Feet West of 81 DEG 45 MIN 0 SEC

Company: BLAZER ENERGY CORPORATION  
P.O. BOX 2347  
CHARLESTON, WV 25328

Agent: Richard Smeltzer

Inspector: OFIE HELMICK

Permit Issued:

Well work commenced: 7/21/99

Well work completed: 9/2/99

Verbal Plugging

Permission granted on: 05/26/99

Rotary Rig   X   Cable Rig \_\_\_\_\_

Total Depth 6216' feet

Fresh water depths (ft) 50', 432'

Salt water depths (ft) 726', 2482'

Is coal being mined in area? \_\_\_\_\_

Coal Depths (ft): 10', 110'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	30'	30'	GRTD
9-5/8"	629'	629'	260 FT <sup>3</sup>
7"	1999'	1999'	39 FT <sup>3</sup>
4-1/2"	6189'	6189'	409 FT <sup>3</sup>
2-3/8"		6023'	

RECEIVED  
Office of Oil & Gas  
Permitting

OCT 22 1999

W Division  
Environmental P.

OPEN FLOW DATA Rhinestreet, U. Shale/L. Huron, Berea

See Reverse

Producing formation Maxton, Ravenclyff

Pay Zone Depth (ft): \_\_\_\_\_

Gas: Initial open flow 84 MCF/d      Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow: 375 MCF/d      Final open flow: \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure 440 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: \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure \_\_\_\_\_ psig (surface pressure) 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

For: BLAZER ENERGY CORPORATION

By: Barbara A. Hubbard  
Date: 10-21-99

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**EASTERN STATES OIL & GAS, INC.**  
**WR-35 COMPLETION REPORT - Attachment**  
**Well Treatment Summary**

Well: W. M. Ritter 310

API# 47-109-01816

Date	08/12/99	08/12/99	08/12/99	08/23/99	08/23/99
Type Frac					
Acid, N <sub>2</sub> , Foam, Water	N <sup>2</sup>	N <sup>2</sup>	N <sup>2</sup>	75 Q Foam	75 Q Foam
Zone Treated	Rhinestreet	U. Shale/L. Huron	Berea	Maxton	Ravenclyff
# Perfs	27	34	20	20	19
From - To:	5903-6102	4206-5520	3904-3940	2456-2515	2084-2108
BD Pressure @ psi	3259	2969	3046	1320	3550
ATP psi	2795	2442	2667	2874	2622
Avg. Rate, B=B/M, S= SCF/M	49,557 S	50,487 S	50,874 S	20 B Foam	20 B Foam
Max. Treat Press psi	3433	2969	3888	3468	4219
ISIP psi	2500	2000	2200	750	150
Frac Gradient	.51	.48	.64	.73	.70
10 min S-I Pressure	2021	1586	1228	1951	1984
Material Volume					
Sand-sks				416	463
Water-bbl		2	1.5	201	194
SCF N <sub>2</sub>	402,192	1,112,209	799,819	257,607	299,970
Acid-gal	420 gal 7.5%	1200 gal 7.2%	588 gal 7.2%	1000 gal 15.2%	500 gal 15.2% & 500 gal 27%
NOTES:					

TOP	BASE	FORMATION	REMARKS
0	10	Sand, Shale, Slate	
10	13	Coal	
13	110	Sand	Damp @ 50'
110	122	Coal	
122	534	Sand Shale	1/2" stream @ 432'
534	775	Sand	1/4" stream @ 726'
775	845	Sand Shale	
845	898	Shale	
898	1040	Sand Shale	
1040	1130	Salt Sand	
1130	1142	Shale Break	
1142	1486	Sand	
1486	1509	Shale	
1509	1875	Salt Sand	
1875	1916	Sand Shale	GT @ 1906'=NS
1916	2051	Pride Shale	GT @ 2045'=NS
2051	2082	Shale	
2082	2110	Ravenclyff	
2110	2120	Shale	
2120	2124	Sand	
2124	2193	Shale	
2193	2239	Avis	GT @ 2232'=NS
2239	2451	Shale	GT @ 2450'=NS
2451	2638	Maxton	Damp @ 2482'
2638	2771	Shale	GT @ 2766'=84 mcfd
2771	2794	L. Maxton	
2794	2863	Shale	
2863	2944	L. Lime	

109 1816

2944	2975	Pencil Cave	GT @ 2955'=84 mcf
2975	3314	B. Lime	GT @ 3267'=84 mcf
3314	3880	Shale	GT @ 3392'=84 mcf, GT @ 3834'=59 mcf
3880	3901	Sunbury	
3901	3943	Berea	
3943	4194	Shale	GT @ 4055'=59 mcf
4194	4216	Siltstone	
4216	5376	Shale	GT @ 4400' & 4906'=59 mcf
5376	5522	L. Huron	GT @ 5409'=59 mcf
5522	5890	Shale	
5890	6198	Rhinestreet	GT @ 5915'=59 mcf00
6198	6216	Onondaga	

WYO 1816

NOV 1 1999