

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: January 9, 2013
API #: 47-95-02035

Farm name: Anne Spencer Operator Well No.: 1114

LOCATION: Elevation: 703' Quadrangle: Paden City

District: Ellsworth County: Tyler
Latitude: 14,711 Feet South of 39 Deg. 30 Min. 04.59 Sec.
Longitude 9,104 Feet West of 80 Deg. 54 Min. 28.19 Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Triad Hunter, LLC				
P.O. Box 430, Reno, Ohio 45773				
Agent: Kimberly Arnold	20"	40'	40'	
Inspector: Joe Taylor	13 3/8"	443'	443'	444 cu. ft.
Date Permit Issued: 6/21/2011	9 5/8"	2005'	2005'	833 cu. ft.
Date Well Work Commenced: 1/11/12	5 1/2"	11420'	11336'	3050 cu. ft.
Date Well Work Completed: 11/13/12	2 3/8"			
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6029'				
Total Measured Depth (ft): 10566'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s) None				

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

Producing formation Marcellus Shale Pay zone depth (ft) 6030
Gas: Initial open flow 1200 MCF/d Oil: Initial open flow 35.18 Bbl/d
Final open flow 4136 MCF/d Final open flow 7.32 Bbl/d
Time of open flow between initial and final tests 359 Hours
Static rock Pressure 720 psig (surface pressure) after 353 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

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.


Signature

1/9/2013
Date

03/15/2013

Were core samples taken? Yes _____ No _____

Were cuttings caught during drilling? Yes _____ No _____

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

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:

Please see attached sheet.

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

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface:

0'- 376' shale	2012'-2107' Weir	6014'-6068' Marcellus
376'- 426' siltstone and shale	2107'-2132' shale and siltstone	6068'-TD Onondaga
426'- 886' shale and siltstone	2132'-2136' Berea	
886'-923' sandstone	2136'-2609' shale and siltstone	
923'-960' shale, trace siltstone	2609'-2626' Fifth Sand	
960'-1092' 1st Salt Sand	2626'-3141' shale trace siltstone	
1092'-1146' shale	3141'-3189' 1st Warren	
1146'-1183' 2nd Salt Sand	3189'-4504' shale silstone	
1183'-1394' shale and siltstone	4504'-4540' Riley	
1394'-1428' 3rd Salt Sand	4540'-4650' Base of Huron Shale	
1428'-1552' shale and siltstone	4650'-5284' Angola	
1552'-1644' Greenbrier Lime	5384'-5716' Java	
1644'-1650' shale	5716'-5883' Middlesex	
1650'-1821' Big Injun	5883'-5990' Geneseo	
1821'-2012' shale, trace siltstone	5990'-6014' Tully Lime	

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Spencer #1114
Perf Spacing for 19 Stages

Stage Length: 250'
 Number of Clusters: 4
 Dist. Between Perfs: 60'
 Perf Length: 3'
 Stages: 19
 Start Depth: 11255'
 90 @: 6049'

							FT	PSI	PSI	BPM	BPM	bbls	lbs
	Plug Depth	Interval 1	Interval 2	Interval 3	Interval 4	Interval 5	Stage Length	Avg Treating Pressure	Max Pressure	Avg Rate	Max Rate	Fluid Volume	Total Sand
Stage 1	11255	11228'-11225'	11194'-11191'	11160'-11157'	11126'-11123'	11089'-11086'	200	7813	8769	69	81.5	3367	6200
Stage 2	11055	11026'-11023'	10963'-10960'	10900'-10897'	10837'-10834'		250	6572	7502	77	80.5	8959	440000
Stage 3	10805	10776'-10773'	10713'-10710'	10650'-10647'	10587'-10584'		250	6490	6920	75	80	8874	440000
Stage 4	10555	10526'-10523'	10463'-10460'	10400'-10397'	10337'-10334'		250	6660	7379	78	82	8660	440000
Stage 5	10305	10276'-10273'	10213'-10210'	10150'-10147'	10087'-10084'		250	7029	7999	76	81	7215	264000
Stage 6	10055	10026'-10023'	9963'-9960'	9900'-9897'	9837'-9834'		250	6682	7101	78.4	81	9200	440000
Stage 7	9805	9776'-9773'	9713'-9710'	9650'-9647'	9587'-9584'		255	6786	7585	79	82	8809	440000
Stage 8	9550	9526'-9523'	9463'-9460'	9400'-9367'	9337'-9334'		250	6380	6598	78	82	9331	440000
Stage 9	9300	9276'-9273'	9213'-9310'	9150'-9147'	9087'-9084'		243	6752	7349	75	80	8399	440000
Stage 10	9057	9026'-9023'	8963'-8960'	8900'-8897'	8837'-8834'		252	6663	7363	70	77	8462	440000
Stage 11	8805	8776'-8773'	8713'-8710'	8650'-8647'	8587'-8584'		250	6620	7259	74	81	8459	440000
Stage 12	8555	8526'-8523'	8463'-8460'	8400'-8397'	8337'-8334'		250	6650	7700	79	82	8754	440000
Stage 13	8305	8276'-8273'	8213'-8210'	8150'-8147'	8087'-8084'		252	6237	7426	65	81	9988	440000
Stage 14	8053	8026'-8023'	7963'-7960'	7900'-7897'	7837'-7834'		248	6296	7039	77	81	8698	440000
Stage 15	7805	7776'-7773'	7713'-7710'	7650'-7647'	7587'-7584'		250	6461	7469	73	80	8547	440000
Stage 16	7555	7526'-7523'	7463'-7460'	7400'-7397'	7337'-7334'		250	6448	6925	69	77	9704	440000
Stage 17	7305	7276'-7273'	7213'-7210'	7150'-7147'	7087'-7084'		250	6313	6709	70	81	8559	440000
Stage 18	7055	7026'-7023'	6963'-6960'	6900'-6897'	6837'-6834'		250	6193	7245	77	80	8521	440000
Stage 19	6805	6776'-6773'	7713'-7710'	6650'-6647'	6587'-6584'		6805	5942	6568	78	80	10160	647300