

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 #: 47-95-02033

Farm name: Anne Spencer Operator Well No.: 1112

LOCATION: Elevation: 703' Quadrangle: Paden City

District: Ellsworth County: Tyler
Latitude: 14,711 Feet South of 39 Deg. 30 Min. 04.59 Sec.
Longitude 9,073 Feet West of 80 Deg. 54 Min. 25.79 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: <u>Kimberly Arnold</u>	<u>20"</u>	<u>40'</u>	<u>40'</u>	
Inspector: <u>Joe Taylor</u>	<u>13 3/8"</u>	<u>444'</u>	<u>444'</u>	<u>438 cu. ft.</u>
Date Permit Issued: <u>7/19/2011</u>	<u>9 5/8"</u>	<u>1972'</u>	<u>1972'</u>	<u>789 cu. ft.</u>
Date Well Work Commenced: <u>11/11/11</u>	<u>5 1/2"</u>	<u>11015'</u>	<u>11013'</u>	<u>3193 cu. ft.</u>
Date Well Work Completed: <u>11/09/12</u>	<u>2 3/8"</u>			
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>5996.5' pb TVD</u>	<u>6215</u>			
Total Measured Depth (ft): <u>11062'</u>				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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

Producing formation Marcellus Shale Pay zone depth (ft) 6020
Gas: Initial open flow 850 MCF/d Oil: Initial open flow 2.19 Bbl/d
Final open flow 4246 MCF/d Final open flow 9.10 Bbl/d
Time of open flow between initial and final tests 359 Hours
Static rock Pressure 700 psig (surface pressure) after 359 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]
Signature

1/9/2013
Date

95.02033

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):

<u>Formations Encountered:</u> <u>Surface:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
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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	6215
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	

Spencer #1112
Perf Spacing for 17 Stages

95-0 2033

Stage Length: 250
 Number of Clusters: 4
 Dist. Between Perfs: 61'
 Perf Length: 3'
 Stages: 17
 Start Depth: 10917'
 90 @: 6904

						FT	PSI	PSI	BPM	BPM	bbls	lbs
	Plug Depth	Interval 1	Interval 2	Interval 3	Interval 4	Stage Length	Avg Treating Pressure	Max Pressure	Avg Rate	Max Rate	Fluid Volume	Total Sand
Stage 1	10917	10881'-10884'	10813'-10816'	10799'-10782'		195	7465	8471	53	55	2459	5200
Stage 2	10722	10697'-10694'	10633'-10630'	10569'-10566'	10505'-10502'	250	7114	8142	76	82	8495	440000
Stage 3	10472	10442'-10439'	10378'-10375'	10314'-10311'	10250'-10247'	260	8272	8972	61	69	2571	2500
Stage 4	10212	10187'-10184'	10123'-10120'	10059'-10056'	9995'-9992'	260	6708	8653	70	81	6139	138500
Stage 5	9952	9932'-9929'	9868'-9865'	9804'-9801'	8704'-9737'	245	6746	7486	73	76	8674	440000
Stage 6	9707	9677'-9674'	9613'-9610'	9549'-9546'	9458'-9482'	255	6647	6939	76	81	8577	440000
Stage 7	9452	9422'-9419'	9358'-9355'	9249'-9291'	9230'-9227'	255	6454	6948	75	81	8593	440000
Stage 8	9197	9167'-9164'	9103'-9100'	9039'-9036'	8975'-8972'	267	6551	6931	76	82	8497	440000
Stage 9	8930	8912'-8909'	8848'-8845'	8784'-8781'	8720'-8717'	248	6681	7096	71	75	8623	440000
Stage 10	8682	8657'-8654'	8593'-8590'	8529'-8526'	8465'-8462'	250	6437	7096	74	76	9705	440000
Stage 11	8432	8402'-8399'	8338'-8335'	8274'-8271'	8210'-8207'	255	6396	7134	75	80	8728	440000
Stage 12	8177	8147'-8144'	8083'-8080'	8019'-8016'	7955'-7952'	255	6158	6398	79	82	8610	440000
Stage 13	7922	7892'-7889'	7828'-7825'	7764'-7761'	7700'-7697'	255	6305	6554	79	82	8458	440000
Stage 14	7667	7637'-7634'	7573'-7570'	7509'-7506'	7445'-7442'	255	6125	6477	77	80	8382	440000
Stage 15	7412	7382'-7379'	7318'-7315'	7254'-7251'	7190'-7187'	247	6095	6603	75	80	8602	440000
Stage 16	7165	7148'-7145'	7063'-7060'	6999'-6996'	6935'-6932'	263	6173	6710	77	81	8626	440000
Stage 17	6902	6872'-6869'	6808'-6805'	6744'-6741'	6680'-6677'	6902	5841	6233	78	81	8478	440000