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:	March 8, 2012	
API#:	47-095-02021	

ΓΙΟΝ: Elevation: ^{767'}	Quadrangle: Shirley								
District: McElroy Latitude: 39.424081 Feet South of 39 Deg.	County: Tyler Min.	29.69 Sec.							
Longitude 80.80935 Feet West of 80 Deg.									
Company: Triad Hunter, LLC			T C 1 11	G ten					
Address: P.O. Box 430	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.					
Reno, Ohio 45773									
Agent: Kimberly Arnold	20"	80'	80'						
Inspector: Joe Taylor	13 3/8"	442.1'	442.1'	402 cu. ft.					
Date Permit Issued: 05/04/2011	9 5/8"	2783.47"	2783.47'	1292 cu. ft.					
Date Well Work Commenced: 09/03/2011	5 1/2"	12130.18'	12130.18	3361.15 cu. ft.					
Date Well Work Completed: 12/18/2011									
Verbal Plugging:									
Date Permission granted on:									
Rotary Cable Rig									
Total Vertical Depth (ft): 6370'									
Total Measured Depth (ft): 12150'									
Fresh Water Depth (ft.):									
Salt Water Depth (ft.):									
Is coal being mined in area (N/Y)? No									
Coal Depths (ft.): 740-741, 1056-1057, 1156-1160, 1202-1204, 1218-1220, 1245-1245	1358'-1360', 1515'-1518'								
Void(s) encountered (N/Y) Depth(s) None									
		ما المسالة الم	to ou compute s	shoot)					
EN FLOW DATA (If more than two producing formation Producing formation Marcellus Shale Pay 2	ons piease includ zone depth (ft) 6		a on separate s: معادیکا	ngeet)					
Gas: Initial open flow 1416 MCF/d Oil: Initial open fl	low 103.22 BI	ol/d		An action					
Final open flow 7883 MCF/d Final open flow	y <u>415</u> Bb	1/d							
Time of open flow between initial and final tests 439	Hours		2	en e					
Static rock Pressure 2437 psig (surface pressure) af	iter 439 Hou	rs	5 5 ve	14,40 2010					
Second producing formation Pay zo	ne depth (ft)	7							
Gas: Initial open flow MCF/d Oil: Initial open fl		bl/d	••						
Final open flow MCF/d Final open flow		ı/d	" · · ·						
Time of open flow between initial and final tests	Hours			in the same					
Static rock Pressurepsig (surface pressure) at	fterHou	rs							
y under penalty of law that I have personally examined	and am familiar	with the inform	nation submitte	d on this documer					
attachments and that, based on my inquiry of those indi-	viduals immedia	ately responsibl	e for obtaining	the information I					
e information is true, accurate, and complete.	4								
2 12-		٠ - ي	t-17.						
Signature			Date						

NOTE: IN THE AREA B	ELOW PUT THE FOLLOWING: 1). I	please list DETAILS OF PERFORATED INTERVALS THE WELL LOG WHICH IS A SYSTEMATIO
	RECORD OF THE TOPS AND BOTTO THE WELLBORE FROM SURFACE TO	OMS OF ALL FORMATIONS, INCLUDING FOTAL DEPTH.
Perforated Intervals, Fracturing,	or Stimulating:	
Please refer to attached pe	erforation and fracture treatment repo	rt.
Plug Back Details Including Plu	g Type and Depth(s):	
	MACINET AND	and the state of t
Formations Encountered: Surface:	Top Depth	/ Bottom Depth
Surface.		
0'-400' sand and shale	1204'-1218' shale	1880'-2035' shale
400'-410' shale	1218'-1220' coal	2035'-2313' sand/shale/siltstone
410'-430' silty shale	1220'-1245' shale	2313'-2315' Berea
430'-740' shale	1245'-1248' coal	2315'-2753' Fifth Sand
740'-741' coal	1248'-1358' shale	2753'-3230' Shale
741'-945' shale	1358'-1360' coal	3230'-3270' Warren
945'-985' sand	1360'-1515' shale and sand	3270'-4397' Shale
985'-1055' shale	1515'-1518' coal	4397'-4429' Riley
1055'-1057' coal	1518'-1520' shale	4426'-4484' Shale
1057'-1115' shale	1520'-1585' Maxton	4484'-4486' Benson
1115'- 1155' sand	1585'-1605' shale	4486'-6296' Shale
1155'-1159' shale	1605'-1625' Little Lime	6296'-6335' Hamilton
1159'-1160' coal	1625'-1635' Pencil Cave	6335'-6378' Tully
1160'-1202' shale	1635'-1720' Big Lime	6378' Marcellus
1202'-1204' coal	1720'-1881' Big Injun	
		California Cal
		APA DE SEDE

Perf Spacing for 18 stages Everett Weese 1107

Stage Length:
Num Clusters:
Dist between Perfs:
Perf length:
Stages:
Start Depth:
90 @:

292'
4 to 5
73'
3'
18
12135'

Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage	Stage			
18	17	16	15	14	13	12	11	10	9	∞	7	6	5	4	S	2	1			
7121	7413	7705	7997	8289	8581	8873	9165	9457	9749	10041	10333	10625	10917	11209	11501	11793	12135	Plug Depth		***
7086'-7083'	7378'-7375'	7670'-7667'	7962'-7959'	8254'-8251'	8546'-8543'	8838'-8835'	9130'-9127'	9422'-9419'	9714'-9711'	10006'-10003'	10298'-10295	10590'-10587	10882'-10879	11174'-11171	11466'-11463	11758'-11755'	11899'-11896'	Interval 1		
7013'-7010'	7305'-7302'	7597'-7594'	7889'-7886'	8181'-8178'	8473'-8470'	8765'-8762'	9057'-9054'	9349'-9346'	9641'-9638'	9933'-9930'	10298'-10295' 10225'-10222	10517'-10514	10809'-10806	11101'-11098	11393'-11390	11685'-11682'	11889'-11886	Interval2		
6940'-6937'	7232'-7229'	7524'-7521'	7816'-7813'	8108'-8105'	8400'-8397'	8692'-8689'	8984'-8981'	9276'-9273'	9568'-9565'	9860'-9857'	10152'-10149'	10590'-10587' 10517'-10514' 10444'-10441' 10371'-10368	10882'-10879' 10809'-10806' 10736'-10733' 10663'-10660	11028'-11025	11466'-11463' 11393'-11390' 11320'-11317'	11612'-11609'	11869'-11866	Interval 3		
6867'-6864'	7159'-7156'	7451'-7448'	7743'-7740'	8035'-8032'	8327'-8324'	8619'-8616'	8911'-8908'	9203'-9200'	9495'-9592'	9787'-9784'	10078'-10076	10371'-10368'	10663'-10660	11174'-11171' 11101'-11098' 11028'-11025' 10955'-10952'	11247'-11244'	11539'-11536	11849'-11846' 11833'-118	Interval 4		
and the second		THE PARTY OF THE P											The state of the s				11833'-11830'	Interval 5		
292	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292	342	Stage Length	FT	
6736	6270		6861	6997	7077	7070	7167	7338	7295	7442	7360	7687	7388	7615	7603	7375	7593	Avg Treating Pressure	lSd	
7908	8197	8126	8077	8549	8637	8624	8547	8638	8140	8400	8102	7876	8134	7650	8265	7671	7900	Max Pressure	PSI	
79.3	80.9	79.5	80.3	82.5	82.4	82.5	84.6	83.4	87.2	84.4	81.7	79.6	82.6	84.3	85.1	81.6	80	Avg Rate	вРМ	
82.7	83.7	82.8	82.7	84.9	84.7	84.4	80.6	87.4	88.3	86	83.6	84.2	84.8	85.6	86.9	84.2	85	Max Rate	вРМ	
8097	8220	8151	8075	8174	7888	7836	8146	7753	7230	8254	8222	8206	8325	7909	8430	8580	11420	Fluid Vol	bbls	
427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	427000	4178	427000	Total Sand	lbs	