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 #:	47-103-02625

OCATION: Elevation: 805'	_ Quadrangle: Center Point						
District: Grant	County: Wetzel						
Latitude: 39.504472 Feet South of 39 Deg.	30 Min						
Longitude <u>-80.6356</u> Feet West of <u>80</u> Deg.	Mir	. 14.90 Sec	•				
Company: Triad Hunter, LLC							
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"	44'	44'				
Inspector: David Scranage	13 3/8"	793.8'	793.8'	719.8 cu. ft.			
Date Permit Issued: 01/20/2011	9 5/8"	3140.55'	3140.55'	1174.1 cu. ft.			
Date Well Work Commenced: 03/04/2011	5 1/2"	13182.26'	13182.26'	3293.28 cu. ft.			
Date Well Work Completed: 09/16/2011							
Verbal Plugging:							
Date Permission granted on:							
Rotary Cable Rig							
Total Vertical Depth (ft): 6914'							
Total Measured Depth (ft): 12517'							
Fresh Water Depth (ft.):							
Salt Water Depth (ft.):							
Is coal being mined in area (N/Y)? No							
Coal Depths (ft.): 225'-340', 380'-394', 590'-598'							
Void(s) encountered (N/Y) Depth(s) None							
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Shale Pay 2 Gas: Initial open flow 3.8 M MCF/d Oil: Initial open flow Final open flow 4.93 M MCF/d Final open flow Time of open flow between initial and final tests 117 Static rock Pressure 2879 psig (surface pressure) af	zone depth (ft) low 0 B v 59 Bl Hours	6820' bl/d bl/d	•	heet)			
Second producing formation Pay 201			APR 9	J 2012			
Gas: Initial open flowMCF/d Oil: Initial open fl	ne depth (ft) low B	bl/d	WVerdige	The Summer			
Final open flow MCF/d Final open flow	vBt	ol/d	house, a	Mark Suggrapy			
Time of open flow between initial and final tests							
Static rock Pressurepsig (surface pressure) af	terHou	rs					
ertify under penalty of law that I have personally examined a	and am familia	with the inform	ation submitted	on this document			
the attachments and that, based on my inquiry of those indivit the information is true, accurate, and complete.	viduals immedi	ately responsible	e for obtaining the	he information I be			
1 Con V G m		3-3	-17_	,			

Were core samples taken?	Yes No	Were cuttings caught during drilling? Yes X No
Were Electrical, Mechanica	l or Geophysical logs recorded o	on this well? If yes, please list
FRACTURING OR STIN DETAILED GEOLOGIC	IULATING, PHYSICAL CHA CAL RECORD OF THE TO	LLOWING: 1). DETAILS OF PERFORATED INTERVALS, ANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC PPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING A SURFACE TO TOTAL DEPTH.
Perforated Intervals, Fractur	ing, or Stimulating:	
Dlease refer to attached	d perforation and fracture	trootmont was all
riease reier to attached	perioration and fracture	treatment report
Plug Back Details Including	Plug Type and Depth(s):	
Formations Encountered: Surface:	Top	Depth / Bottom Depth
0'-35' sand	520'-580' shale	2465'-2470' Berea
35'-50' shale	580'-590' sand	2470'-2650' shale
50'-65' sand	590'-598' shale	2650'-2710' Gordon
65'-185' shale	598'-601' coal	2710'-2805' shale
185'-225' sand	601'-700' shale	2805'-2815' Fourth Sd
225'-340' shale	700'-760' sand	2815'-2900' Shale
340'-343' coal	760'-960' shale	2900'-2905' Fifth Sd
343'-355' shale	960'-1600' sand and sh	pale 2905'-6759' Devonian Shale
355'-380' sand	1600'-1655' sand	6759'-6783' Hamilton
380'-394' shale	1655'-1795' shale	6783'-6874' Tully
394'-395' coal	1795'-1810' Little Lime	6874' Marcellus
395'-415' shale	1810'-1835' Pencil Cave	9
415'-430' sand	1835'-1885' Big Lime	•
430'-460' shale	1885'-2085' Big Injun	The second secon
160'-520' sand	2085'-2465' shale	The second secon

APRICO 2012 WV GELACOL CAL SURVEY MOROALTOLINA

WVDNR 1102 Perf Spacing for 16 stages

Stage Length: 310

Num Clusters: 4 to 5

Dist between Perfs: 41'-77'

Perf length: 3'

Stages: 16

Start Depth: 12460

90 @: 7597'



		Disco Do 11						FT	PSI	PSI	BPM	ВРМ	bbls	lbs
Chana		Plug Depth		Interval2	Interval 3	Interval 4	Interval 5	Stage Length	Avg Treating Pressure	Max Pressure	Avg Rate	Max Rate	Fluid Vol	Total Sand
Stage		12460	12426'-12423'	12377'-12374'	12314'-12311'	12251'-12248'	12188'-12185'	316	7463	7731	78.6	84.5	10152	431400
Stage		12144	12112'-12109'	12035'-12032'	11958'-11955'	11881'-11878'		304	7643	8635	81.3	83.3	10162	427000
Stage	3	11840	11802'-11799'	11725'-11722'	11648'-11645'	11571'-11568'		310	7616	8113	80.1	84.1		
Stage	4	11530	11492'-11489'	11415'-11412'	11338'-11335'	11261'-11258'		310	7552	8040	83.8	85.2	10087	427000
Stage	5	11220	11182'-11179'	11105'-11102'	11028'-11025'	10951'-10948		310	7466	8159	79.5		10024	427000
Stage	6	10910	10872'-10869'	10795'-10792'	10718'-10715'	10641'-10638'		310	7403	7623		84	40432	427000
Stage	7	10600	10562'-10559'	10845'-10482'	10408'-10405'	10331'-10328'		310	7403		83.9	84.7	9960	427200
Stage	8	10290	10252'-10249'	10175'-10172'	10098'-10095'	10021'-10018'		305		7785	82.2	85.2	9684	426800
Stage	9	9985	9942'9939'	9865'-9862'	9788'-9785'	9711'-9708'			7760	8611	81.3	84	11242	426500
Stage	10	9670	9632'-9626'	9555'-9552'	9478'-9475'	7401'-9398'		315	7519	7909	82.4	83.2	9934	427200
Stage	11	9368	9322'-9319'	8245'-9242'	9168'-9165'			302	7303	7579	83.3	84.4	10069	427100
Stage	12	9050	9012'-9009'	8935'-8932'		9091'-9088'		318	7180	7469	85.3	86.3	9970	427000
Stage	13	8740			8858'-8855'	8778'-8781'		310	7110	7481	84.2	86.3	10121	427000
	14		8702'-8699'	8625'-8622'	8548'-8545'	8471'-8468'		400	7281	7591	84.1	87.1	9899	427400
Stage		8340	8392'-8389'	8315'-8312'	8238'-8235'	8261'-8158'		220	7415	7900	83.2	86	10057	427100
Stage	15	8120	8082'-8079'	8005'-8002'	7928'-7925'	7851'-7848'		310	7203	7608	83.9	84.7	9997	427000
Stage	16	7810	7772'-7769'	7695'-7692'	7618'-7615'	7541'-7538'		310	7231	6969	83.6	85.3	9827	427000