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#:	47-103-02627

OCATION: Elevation: 805'	Quadrangle: Center Point County: Wetzel					
District: Grant						
Latitude: 39.50923 Feet South of 39 Deg	. <u>30 Mir</u>	n. 33.24 Sec	·.			
Longitude <u>-80.63561</u> Feet West of <u>80</u> Deg	g. ³⁸ Mir	n. 88.22 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"	795.55'	795.55'	732 cu. ft.		
Date Permit Issued: 01/28/2011	9 5/8"	3116.19'	3116.19'	790.6 cu. ft.		
Date Well Work Commenced: 03/23/2011	5 1/2"	11792.68'	11792.68'	3257.28 cu. ft.		
Date Well Work Completed: 09/19/2011						
Verbal Plugging:						
Date Permission granted on:						
Rotary Cable Rig						
Total Vertical Depth (ft): 6980'						
Total Measured Depth (ft): 12663'						
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 Gas: Initial open flow 2874 MCF/d Oil: Initial open flow Time of open flow between initial and final tests 168 Static rock Pressure 2463 psig (surface pressure) a	zone depth (ft) flow 0.5 B w 19.1 Bl Hours	7023' Bbl/d bl/d s	-	heet)		
· · · · · · · · · · · · · · · · · · ·			APR	9 6 2012		
Second producing formation Pay zo Gas: Initial open flow MCF/d Oil: Initial open flow	one depth (ft)	Bbl/d	WV OFFICE	lada furve		
Final open flow MCF/d Final open flo		bl/d				
Time of open flow between initial and final tests	Hours	s				
Static rock Pressurepsig (surface pressure) a	ifterHou	ırs				
the attachments and that, based on my inquiry of those indicate the information is true, accurate, and complete.	and am familia	r with the inform	nation submitted e for obtaining t	l on this documented information		
Kong Kong		3	E-12			
Signature			Date			

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 PERFORATE FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATION COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH. Perforated Intervals, Fracturing, or Stimulating: Please refer to attached perforation and fracture treatment report Plug Back Details Including Plug Type and Depth(s):	ED INTERVALS,
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Plug Back Details Including Plug Type and Depth(s):	
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Plug Back Details Including Plug Type and Depth(s):	
Formations Encountered: Top Depth / Botto Surface:	om 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 shale 2905'-6780' Devonian Shale	
355'-380' sand 1600'-1655' sand 6780'-6804' Hamilton	
380'-394' shale 1655'-1795' shale 6804'-6906' Tully	
394'-395' coal 1795'-1810' Little Lime 6906' Marcellus	
395'-415' shale 1810'-1835' Pencil Cave	
415'-430' sand 1835'-1885' Big Lime	
420' 460' abala 4005' 0005' D' 1 1	
450'-460' shale 1885'-2085' Big Injun 460'-520' sand 2085'-2465' shale	\$ 10000

APR 2 6 2012

WV GEOLOGICAL SURVEY MORE ANTOWN, NV

WVDNR 1104 Perf Spacing for 16 stages

Stage Length:

266'

Num Clusters:

4 to 5

Dist between Perfs:

67'

Perf length:

3'

16

Stages:

Start Depth:

11875

90@:

8021'

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WV CEOLOGICAL SURVEY MORCANTOWN, WV

								FT	PSI	PSI	ВРМ	BPM	bbls	lbs ·
		Plug Depth	Interval 1	Interval2	Interval 3	interval 4	Interval 5	Stage Length	Avg Treating Pressure	Max Pressure	Avg Rate	Max Rate	Fluid Vol	Total Sand
Stage		11875	11774'-11771'	11769'-11766'	11763'-11760'	11758'-11755'	11752'-11749'	157	8804	9150	58.5	63	4995	3400
Stage		11718	11687'-11684'	11620'-11617'	11553'-11550'	11486'-11483'		270	7477	7865	82.1	83	10089	427000
Stage		11448	11421'-11418'	11354'-11351	11287'-11284'	11220'-11217'		262	7777	8196	87.5	83.7	10178	427000
Stage		11186	11155'-11152'	11088'-11085'	11021'-11018'	10954'-10951'		266	7882	8642	72.8	80.1	13121	427000
Stage	5	10920	10889'-10886'	10822'-10819'	10755'-10752'	10688'-10685'		266	7626	7923	81.2	83.5	10132	427000
Stage	6	10654	10623'-10620'	10556'-10556'	10489'-10486'	10422'-10419'		266	7222	7923	83.5	87	10320	427000
Stage	7	10388	10357'-10354'	10290'-10287'	10223'-10220'	10156'-10153'		266	7269	8051	82.5	85.4	10160	427000
Stage		10122	10108'-10105'	10024'-10021'	9957'-9954'	9880'-9877'		276	8305	8494	64.7	79.4	7487	2000
Stage	9	9846	9825'-9822'	9758'-9755'	9691'-9688'	9624'-9621'		256	7514	8114	86	88.55	10077	427000
Stage	10	9590	9559'-9556'	9492'-9489'	9425'-9422'	9358'-9355'		262	7689	7961	85.4	86.7	9933	427000
Stage	11	9328	9293'-9290'	9226'-9223'	9159'-9156'	9092'-9089'		270	8303	8959	80.4	83.4	11096	427000
Stage	12	9058	9027'-9024'	8960'-8957'	8893'-8890'	8826'-8823'		266	7525	8123	84.9	86.9	9567	427000
Stage	13	8792	8761'-8758'	8694'-8691'	8627'-8624'	8560'-8557'		269	7416	7912	85.6	86	9599	427000
Stage	14	8523	8495'-8492'	8428'-8425'	8361'-8358'	8294'-8291'		263	7704	8377	83.7	86.8	9585	427000
Stage	15	8260	8229'-8226'	8162'-8159'	8095'-8092'	8028'-8025'		272	7034	7207	86	87	9598	427000
Stage	16	7988	7963'-7960'	7896'-7893'	7829'-7826'	7762'-7759'		266	6930	7351	85.5	85.7	9782	427000
								·					3,32	127000