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:	02/07/2013	
API #:	47-033-03929	F

m name: HWV Incorporated	_ Operator Wel	l No.: Ryan 2			
CATION: Elevation: 1186' GL	Quadrangle: _	Rosemont			
District: Simpson	County: Har	County: Harrison			
Latitude: 12,110 Feet South of 39 Deg	g. <u>20</u> Min	00Sec.			
Longitude 10,920 Feet West of 80 De	g. <u>10</u> Min	Sec.	•		
Company: Petroleum Development Corporation					
Address: 120 Genesis Boulevard	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
Bridgeport, WV 26330	11 3/4"	22'	22'	Sanded In	
Agent: Bob Williamson	8 5/8"	970'	970'	353	
Inspector: Tristan Jenkins	4 1/2"	2432'	2432'	485	
Date Permit Issued: 06/19/2008					
Date Well Work Commenced: 08/15/2008					
Date Well Work Completed: 08/18/2008					
Verbal Plugging:			Fin Fig. (n)		
Date Permission granted on:			MEC	EIVED	_
Rotary Cable Rig V			Onice of	Oll & Gas	4
Total Vertical Depth (ft): 4231'			FER 2	8 2013	
Total Measured Depth (ft): 4231'			·	02010	
Fresh Water Depth (ft.): 9', 206'			WV Depa	rtment of	
Salt Water Depth (ft.): None		En	Vironmen	al Protection	on
Is coal being mined in area (N/Y)? N					
Coal Depths (ft.): 69-73', 206-211'					
Void(s) encountered (N/Y) Depth(s) N					
Gas: Initial open flow N/T MCF/d Oil: Initial open	y zone depth (ft)_ flowB owBbHours	1729 bl/d bl/d	ita on separate sh	ncet)	
Second producing formationPay a Gas: Initial open flowMCF/d Oil: Initial open Final open flowMCF/d Final open flow Time of open flow between initial and final tests Static rock Pressurepsig (surface pressure)	flow B	bl/d ol/d s			
ertify under penalty of law that I have personally examine the attachments and that, based on my inquiry of those in the information is true, accurate, and complete.					
Tille		02/	07/2013		
Signature			Date	03/08/2	201

Were core samples taken? YesNo_XX	Were cutting	s caught during drilling? Yes	sNo_XX
Were Electrical, Mechanical or Geophysical logs recorded of			
NOTE: IN THE AREA BELOW PUT THE FOI FRACTURING OR STIMULATING, PHYSICAL CH DETAILED GEOLOGICAL RECORD OF THE TO COAL ENCOUNTERED BY THE WELLBORE FROM	ANGE, ETC. 2). TH OPS AND BOTTOM	E WELL LOG WHICH IS MS OF ALL FORMATION	S A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimulating: 08/15/2008: MIRU BJ Services and Superior. Set 8	I Tools retrievable	la plug @ 1800' Prassu	re tested casing
to 3475 psig. Perforated the 50 FOOT formation: 19			······································
MIRU. Broke the 50 FOOT formation. Formation broke at			
40,000 lbs of 30/50 Sand, 27.9 bbl of flush. Stage sand at 1		**************************************	
Shut down, ISIP - 1362 psi, 5 min SIP - 1110 ps			
Plug Back Details Including Plug Type and Depth(s):			
	p Depth	/ Bo	ttom Depth
Surface:			
See "Well Log" from original completion of this v	vall (47-033-0395	20)	
See Well Log Horr Original Completion of this V	Veii (47-055-0592	.5).	