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:	08/30/2012	
API#:	47-091-00826	F-

TION: Elevation: 1464.00	Quadrangle: _	Quadrangle: Grafton			
District: Court House	County:Taylor				
Latitude: 7.225 Feet South of 39 Deg Longitude 6.100 Feet West of 80 Deg					
Longitude 6,100 Feet West of 80 De	g. <u>02</u> Mir	ı. <u>30</u> Se	c.		
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"	32'	32'	Sanded In	
Agent: Bob Williamson	8 5/8"	1111'	1111'	322	
Inspector: Bryan Harris	4 1/2"	4628'	4628'	234	
Date Permit Issued: WorkOver: 8-15-2005					
Date Well Work Commenced: 10/06/2005					
Date Well Work Completed: 10/11/2005					
Verbal Plugging:		(inc. terro year			
Date Permission granted on:			Oil & Gas		
Rotary Cable Rig			A / AB40	† 	
Total Vertical Depth (ft): 4659'		SEF	042012		
Total Measured Depth (ft): 4659'		NAME TO SERVE			
Fresh Water Depth (ft.): 105'	r., 5	VVV LANG. Tabbectarts vector	nai Projec	ion	
Salt Water Depth (ft.): N/A	Englis, U	W 12 12 V 30 5 V 40			
Is coal being mined in area (N/Y)? N					
Coal Depths (ft.): 101-105, 684-689, 855-860					
Void(s) encountered (N/Y) Depth(s) N					
EN FLOW DATA (If more than two producing format Producing formation Benson Pay Gas: Initial open flow 84 MCF/d Oil: Initial open	zone depth (ft)	4518-4519.5	ata on separate s	heet)	
Final open flow 174 MCF/d Final open flo	owBt	ol/d			
Time of open flow between initial and final tests					
Static rock Pressure 1300 psig (surface pressure) a	atterHou	rs			
	one depth (ft) 22				
Gas: Initial open flow 20 MCF/d Oil: Initial open					
Final open flow Not Taken MCF/d Final open flo	w Bb	ol/d			

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 complet

Date

08/31/2012

09/14/2012

Were core samples taken? YesNo_XX	Were cuttings caught during drilling? Yes	No XX
Were Electrical, Mechanical or Geophysical logs recorded o Cased Hole Bond Log from 2500' - 1600'.	n this well? If yes, please list_Allegheny GR/PPT/T	T
NOTE: IN THE AREA BELOW PUT THE FOL FRACTURING OR STIMULATING, PHYSICAL CHA DETAILED GEOLOGICAL RECORD OF THE TO COAL ENCOUNTERED BY THE WELLBORE FROM	ANGE, ETC. 2). THE WELL LOG WHICH IS A SYS OPS AND BOTTOMS OF ALL FORMATIONS, IN	STEMATIC
Perforated Intervals, Fracturing, or Stimulating:		
Short #2 (47-091-00826) Re-completion: Original Ber	ison perfs from 4518-4520 and TOC at 1748. Set I	Bridge Plug
at 2700' & perforate 4th SS from 2449' - 2521'. Frac with e	energized cross link with 500 gal 15% HCl, 330 sks of	20/40 Sand,
and 83,000 scf Nitrogen in 451 bbls treated fluid. Brea	k at 2884, avg. TP at 2405 psi. Treat at avg. rate of	21.2 bpm.
ISIP at 1947 psi.		
Plug Back Details Including Plug Type and Depth(s): CIBP	set at 2700' & drilled out to original TD (4600') after wo	rk-over frac.
Formations Encountered: Top Surface:	Depth / Bottom De	epth
See "Well Log" (pg. 2) on original Completion Fo	rm.	
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