

WR-35
Rev (5-01)

DATE: 1-13-2010
API #: 47-091-01104

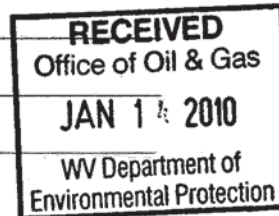
State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Patriot Mining Company Operator Well No.: Coal Train 18

LOCATION: Elevation: 1257' Quadrangle: Grafton

District: Court House County: Taylor
Latitude: 39 Feet South of 17 Deg. 30 Min. Sec.
Longitude: 80 Feet West of 05 Deg. 00 Min. Sec.



Company: Petroleum Development Corp.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 120 Genesis Blvd.	13-3/8"	31'		
Bridgeport, WV 26330	7"	1266	1266	185 SKS
Agent: Alan H. Smith	4-1/2	4341	4341	205
Inspector: Bill Hatfield				
Date Permit Issued: 05/28/2008				
Date Well Work Commenced: 06/23/2008				
Date Well Work Completed: 07/10/2008				
Verbal Plugging:				
Date Permission granted on:				
Rotary x Cable Rig				
Total Depth (feet): 4830'				
Fresh Water Depth (ft.): 125', 160'				
Salt Water Depth (ft.): None reported				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Riley Pay zone depth (ft) 4207-4251
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 500 psig (surface pressure) after 24 Hours

Second producing formation Big Injun Pay zone depth (ft) 1675-1684
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 249 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 500 psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signature

1/13/2010
Date

91-01104

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator Petroleum Development Corp. 308153 Taylor Court House Grafton
Operator ID County District Quadrangle

2) Operator's Well Number: Coaltrain 18 3) Elevation: 1257'

4) Well Type: (a) Oil _____ or Gas X
 (b) If Gas: Production X / Underground Storage _____
 Deep _____ / Shallow X

5) Proposed Target Formation(s): Benson

6) Proposed Total Depth: 5000 Feet

7) Approximate fresh water strata depths: 125, 160

8) Approximate salt water depths: None reported

9) Approximate coal seam depths: 325, 965

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work Drill and stimulate new well.

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	9 5/8"	H-40	42#	30'	--	surface
Fresh Water						
Coal						
Intermediate	7"	H-40	16.6#	1245'	1245'	surface
Production	4 1/2"	J-55	10.5#	5000'	5000'	275 sks
Tubing						
Liners						

Packers: Kind _____
 Sizes _____
 Depths Set _____

CR 13339
650

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 Office of Oil & Gas
 MAY 09 2008
 WV Department of
 Environmental Protection