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: 10/16/2012
API #: 47-033-03978 F

Farm name: Long, William & Wanda Operator Well No.: Davis #1

LOCATION: Elevation: 1037' GL - 1047' KB Quadrangle: Mount Clare 7.5

District: Clark County: Harrison
Latitude: 2,650 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 4,190 Feet West of 80 Deg. 17 Min. 30 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"	37'	0'	----
Agent: Bob Williamson	8 5/8"	976'	976'	307
Inspector:	4 1/2"	4421'	4421'	453
Date Permit Issued:				
Date Well Work Commenced: 11/20/2008				
Date Well Work Completed: 11/25/2008				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☐ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 4444'				
Total Measured Depth (ft): 4444'				
Fresh Water Depth (ft.): 50, 115				
Salt Water Depth (ft.): 843				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None Reported				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation 5th Sand Pay zone depth (ft) 2422
Gas: Initial open flow 237 MCF/d Oil: Initial open flow ---- Bbl/d
Final open flow 64 MCF/d Final open flow ---- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure 320 psig (surface pressure) after 24 Hours

Second producing formation_____ Pay zone depth (ft)_____
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_____psig (surface pressure) after _____Hours

OCT 17 2012

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and 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 complete.

Signature

10/16/2012
Date

10/19/2012

Were core samples taken? Yes_____ No XX Were cuttings caught during drilling? Yes_____ No XX

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 PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

11/20/2008: MIRU Weatherford Services and Key Wireline. Ran Gamma/CCL log for correlation. Set a BJ Tools retrievable frac plug @ 2460'. Perforated the 5th SAND formation: 12 (2422-28). Formation broke at 2185#.Gel frac formation. Start 82 bbl pad,254 bbls treating fluid, 37,647 lbsof 30/50 Sand, 41 bbl of flush. Stage sand at 1# ppg increments from 1# - 4# ppg. MTP – 2564 psi, ATP – 2320 psi. Shut down, ISIP – 1859 psi, 5 min SIP – 1576 psi. RDMO

Plug Back Details Including Plug Type and Depth(s): Retrievable frac plug set at 2460', retrieved after job & cleaned to TD at 4320'.

Formations Encountered: Top Depth / Bottom Depth
Surface:

See attached original 47-033-03978 Pg. 2 "Well Log" from WR-35.

10/19/2012

Davis #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Benson	16(4294-4298)	10	450	500	62

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	1245	1/2" stream H2O @ 50'
Little Lime	1245	1262	1" stream H2O @ 115'
sand, shale	1262	1301	Coal 482-484
Big Lime	1301	1376	
Big Injun	1376	1460	
sand, shale	1460	1783	gas chk @ 1502' No Show
50 ft	1783	1832	gas chk @ 1749' 2/10-1" H2O
sand, shale	1832	1857	
30 ft	1857	1894	
sand, shale	1894	1920	
3rd	1920	1952	
sand, shale	1952	1970	
Gordon	1970	1992	
sand, shale	1992	2142	gas chk @ 2030' 2/10-1" H2O
4th	2142	2235	
sand, shale	2235	2280	
5th	2280	2312	
sand, shale	2312	2718	
Speechley	2718	3057	gas chk @ 2374' 8/10-1" H2O
sand, shale	3057	3101	
Balltown	3101	3395	gas chk @ 3117' 6/10-1" H2O
sand, shale	3395	3541	gas chk @ 3425' 6/10-1" H2O
Bradford	3541	3631	
sand, shale	3631	4111	gas chk @ 3828' 4/10-1" H2O
Riley	4111	4150	
sand, shale	4150	4284	gas chk @ 4263' 8/10-1" H2O
Benson	4284	4330	gas chk @ 4325' 8/10-2" H2O
sand, shale	4330	4449	
	4449	4449	Driller TD 8/10-2" H2O
			DC's 6/10-2" H2O
		4438	Logger TD