

WR-3 RECEIVED
Office of Oil & Gas
UIC Section
APR 21 1999
WV Division of
Environmental Protection

08-Apr-98
API # 47- 1-02748

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed AS

Well Operator's Report of Well Work

Farm name: BECKWITH LUMBER CO. Operator Well No.: EMPIRE BANK 2

LOCATION: Elevation: 1,484.00 Quadrangle: BROWNTON

District: PLEASANT County: BARBOUR
Latitude: 10550 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 4100 Feet West of 80 Deg. 10 Min. 0 Sec.

Company: PETROLEUM DEVELOPMENT COR
103 E. MAIN ST. - P.O. BOX 26
BRIDGEPORT, WV 26330-0026

Agent: ERIC R. STEARNS

Inspector: PHILLIP TRACY
Permit Issued: 04/09/98
Well work Commenced: 03/17/99
Well work Completed: 03/22/99
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 4891'
Fresh water depths (ft) _____
16; 46
Salt water depths (ft) _____
n/a
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 163-168

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	17'	17'	
11 3/4"	30'	30'	
8 5/8"	1145'	1145'	278 sks
4 1/2"	4796'	4796'	540 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4647-4649
Gas: Initial open flow ns MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 333 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 850 psig (surface pressure) after 72 Hours

Second producing formation 4th Sand Pay zone depth (ft) 2609-2615
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow co-mingled 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

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.

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For: Eric R. Stearns
PETROLEUM DEVELOPMENT CORPORATION

By: Eric R. Stearns
Date: April 15, 1999

BAR 2748

MAY 10 1999

EMPIRE BANK #2
47-001-2748

FORMATION	PERFORATIONS	BBL WATER	20/40 SAND	SCF N2	AIR BPM
BENSON	11 (4647' - 4649')	271	30,900	20,625	20
4TH SAND	18 (2609' - 2615')	385	49,800	26,700	24

FORMATION	W E L L		REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
	TOP FEET	L O G BOTTOM FEET	
KB - GL	0	10	
sand, shale, RR	10	1670	1" water @16'
Little Lime	1670	1690	1/4" water @46'
sand, shale	1690	1724	
Big Lime	1724	1784	Coal @ 163' - 168'
sand, shale	1784	1788	
Keener	1788	1846	
sand, shale	1846	1848	gas chk @ 1914' No Show
Big Injun	1848	1900	gas chk @ 2125' No Show
sand, shale	1900	2052	gas chk @ 2320' No Show
Weir	2052	2102	gas chk @ 2506' No Show
sand, shale	2102	2125	gas chk @ 2660' No Show
Gantz	2125	2136	gas chk @ 2817' No Show
sand, shale	2136	2164	gas chk @ 3096' No Show
50 ft	2164	2238	gas chk @ 3594' No Show
sand, shale	2238	2242	gas chk @ 4003' No Show
30 ft	2242	2280	gas chk @ 4410' No Show
sand, shale	2280	2354	gas chk @ 4692' No Show
Gordon	2354	2400	gas chk @ TD No Show
sand, shale	2400	2488	
4th	2488	2640	
sand, shale	2640	2675	
5th	2675	2724	
sand, shale	2724	2742	
Bayard	2742	2750	
sand, shale	2750	2920	
Elizabeth	2920	2962	
sand, shale	2962	2990	
Speechley	2990	3385	
sand, shale	3385	3400	
Balltown	3400	3750	
sand, shale	3750	3832	
Bradford	3832	4000	
sand, shale	4000	4200	
Riley	4200	4500	
sand, shale	4500	4632	
Benson	4632	4691	
sand, shale	4691	4877	Drillers TD
		4891	Logger TD