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OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date _____
Operator's Well No. #2
Farm Lydia Drainer
API No. 47 - 033 - 3078

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gasxx / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Productionxx / Underground Storage ___ / Deep ___ / Shallowxx /)

LOCATION: Elevation: 1342' Watershed Pigtail Run
District: Simpson County Harrison Quadrangle Brownston 7 1/2'

COMPANY PETROLEUM DEVELOPMENT CORPORATION

ADDRESS PO BOX 26, BRIDGEPORT, WV 26330

DESIGNATED AGENT STEVEN R. WILLIAMS

ADDRESS PO BOX 26, BRIDGEPORT, WV 26330

SURFACE OWNER Charles E. Compton

ADDRESS 1275 Stout St., Bridgeport, WV 26330

MINERAL RIGHTS OWNER Lydia Drainer c/o Norman Drainer

ADDRESS Rt 1, Flemington, WV 26347

OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey

ADDRESS Rt 2, Box 232-D Jane Lew, WV 26378

PERMIT ISSUED September 18, 1984

DRILLING COMMENCED October 5, 1984

DRILLING COMPLETED October 10, 1984

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	20'	20'	cement to surface
9 5/8			
8 5/8	1130'	1130'	250 sks
7			
5 1/2			
4 1/2	4604'	4604'	150 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet

Depth of completed well 4722 feet Rotary xx / Cable Tools _____

Water strata depth: Fresh 172 feet; Salt n/a feet

Coal seam depths: 150; 195; 289 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4553.5'-56.5' feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow n/a Bbl/d

Final open flow 972 Mcf/d Final open flow n/a Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 1650 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Gelled H2O frac w/N2 assist: perforated Benson with 13 shots (4553.5'-56.5'). Used 15,000# 80/100 sand, 40,000# 20/40 sand, 78,000 SCF of N2 and 500 gallons of acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
KB - GL			0	10	
sand, shale			10	1541	½" stream H2O @ 172'
blue monday			1541	1553	coal @ 150'; 195'; 289'
sand, shale			1553	1597	
big lime			1597	1687	gas check @ 1631'; no show
keener			1687	1698	
big injun			1698	1754	
sand, shale			1754	2052	gas check @ 1787'; no show
gantz			2052	2077	
sand, shale			2077	2081	
50 foot			2081	2128	gas check @ 2105'; 2/10 thru ½"w/H2O
sand, shale			2128	2209	
30 foot			2209	2224	
and, shale			2224	2323	
gordon			2323	2345	
sand, shale			2345	2364	
gordon stray			2364	2378	
sand, shale			2378	2450	gas check @ 2445'; 2/10 thru ½"w/H2O
4th sand			2450	2484	
sand, shale			2484	2497	
5th sand			2497	2525	
sand, shale			2525	2574	
lower 5th			2574	2612	
sand, shale			2612	3116	gas check @ 2664'; 2/10 thru ½"w/H2O
speechly			3116	3303	
sand, shale			3303	3420	
balltown			3420	3631	gas check @ 3539'; 2/10 thru ½"w/H2O
sand, shale			3631	3730	
bradford			3730	3840	
sand, shale			3840	4244	
riley			4244	4446	
sand, shale			4446	4544	gas check @ 4535'; no show
<u>benson</u>			4544	4564	
sand, shale			4564	4676 TD	logger
					gas check @ 4628'; no show
				4722 TD	driller

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By:

Date:

11/1/84

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including