

IV-35
(Rev 8-81)



RECORDED
JAN 7 - 1985
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date December 27, 1984
Operator's
Well No. #4
Farm Lyda Drainer
API No. 47 - 033 - 3081

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

WELL TYPE: Oil / Gas xx / Liquid Injection / Waste Disposal /
(If "Gas," Production xx / Underground Storage / Deep / Shallow xx /)

LOCATION: Elevation: 1342' Watershed Pigtail Run
District: Simpson County Harrison Quadrangle Brownton 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 Street, Bridgeport 26330
MINERAL RIGHTS OWNER Lyda Drainer, et al
ADDRESS c/o Norman Drainer, Rt1, Fleminton, WV 26347
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Casey ADDRESS Jane Lew, WV 26378
PERMIT ISSUED 8/14/84
DRILLING COMMENCED 12/5/84
DRILLING COMPLETED 12/13/84
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.	37	37	
13-10"	65	65	
9 5/8			
8 5/8	1134	1134	280 sks
7			
5 1/2			
4 1/2	4603	4603	400 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet
Depth of completed well 4642 feet Rotary xx / Cable Tools
Water strata depth: Fresh 10,27,474 feet; Salt n/a feet
Coal seam depths: 5,25,276,348,472,690 Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Benson Pay zone depth 4519-21 feet
Gas: Initial open flow Not Taken Mcf/d Oil: Initial open flow Bbl/d
Final open flow (660) Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1850 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

JAN 21 1985

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

Single stage gelled H2O frac

Perf Benson with 10 shots from 4519'-21', Used 15,000 lb. 80/100 sand, 40,000 lb. 20/40 sand, 77,800 scf of N2 and 578 bbl H2O.

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	fresh H2O; 10,27,474
sand, shale, redrock			10	1572	coal; 5,25,276,348,472,690
big lime			1572	1656	
big injun			1656	1746	gas check @ 1636, no show
sand, shale			1746	2072	
gantz			2072	2092	gas check @ 2010, no show
sand, shale			2092	2098	
50 foot			2098	2123	
sand, shale			2123	2223	
30 foot			2223	2373	gas check @ 2323, no show
sand, shale			2373	2396	
gordon stray			2396	2408	
sand, shale			2408	2421	
gordon			2421	2460	
sand, shale			2460	2476	
4th sand			2476	2506	
sand, shale			2506	2550	
5th sand			2550	2588	gas check @ 2571, no show
sand, shale			2588	2610	
lower 5th sand			2610	2624	
sand, shale			2624	3054	gas check @ 3021, no show
speechley			3054	3080	
sand, shale			3080	3566	
balltown			3566	3570	
sand, shale			3570	3700	
bradford			3700	3780	
sand, shale			3780	4310	
riley			4310	4316	gas check @ 4113, no show
sand, shale			4316	4508	gas check @ 4424, 22/10 -1" w/H2O
<u>benson</u>			4508	4536	
sand, shale			4536	4642 TD	driller
				4613 TD	logger
					gas check @ 4580, 32/10 -1" w/H2O

(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By:

St. R. Williams

Date:

December 28, 1984

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 coal, encountered in the drilling of a well."