

WR-35

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date _____
Operator's Well No. _____ #1
Farm LINDA WALDMAN
API No. 47 - 001 - 2330

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: 1458' Watershed BARTLETT RUN
District: PLEASANT County BARBOUR 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 MILTON KAUFMAN

ADDRESS PO BOX 5606, ASHLAND, KY 41205

MINERAL RIGHTS OWNER MICHAEL STEIN, TRUSTEE FOR LINDA WALDMAN & ROBERT STEIN

ADDRESS 318 VIA LINDA, PALM BEACH, FL 33480

OIL AND GAS INSPECTOR FOR THIS WORK

PHILLIP TRACY ADDRESS PO BOX 2536 ELKINS, WV 26241

PERMIT ISSUED MAR. 25, 1987

DRILLING COMMENCED MAR. 31, 1987

DRILLING COMPLETED APR. 5, 1987

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"	30'		
9 5/8			
8 5/8	1231'	1231'	270 sks.
7			
5 1/2			
4 1/2	4742'	4742'	480 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5000 feet

Depth of completed well 4785 feet Rotary xx / Cable Tools _____

Water strata depth: Fresh 50 feet; Salt none feet

Coal seam depths: 115-120; 980-985 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation BENSON Pay zone depth 4641-44 feet

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

Final open flow 1555 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 1025 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation BAYARD Pay zone depth 2741-44 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

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(Continue on reverse side)

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

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	<u>BENSON</u>	13 (4641 - 4644)	100	500	500	67
595 BBLs SAND LADEN FLUID						
2ND	<u>BAYARD</u>	13 (2741 - 2744)	100	500	500	68
592 BBLs SAND LADEN FLUID						

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, RR			10	1654	1/4" stream fresh H2O @ 50'
Little Lime			1654	1662	coal 115' - 120'
sand, shale			1662	1712	980' - 985'
Big Lime			1712	1821	
Big Injun			1821	1879	
sand, shale			1879	2162	gas check @ 1938' no show
Gantz			2162	2180	
sand, shale			2180	2210	
50 ft			2210	2260	
30 ft			2260	2294	
sand, shale			2294	2320	
Gordon			2320	2363	gas check @ 2360' order
sand, shale			2363	2602	
4th			2602	2635	gas check @ 2615' no show
sand, shale			2635	2677	
5th			2677	2714	
sand, shale			2714	2737	
Bayard			2737	2762	
sand, shale			2762	3198	gas check @ 2767' 200/10 - 2" H2O
Speechley			3198	3314	gas check @ 2798' 30/10 - 2" merc
sand, shale			3314	3500	gas check @ 3016' 15/10 - 2" merc
Balltown			3500	3732	gas check @ 3325' 20/10 - 2" merc
sand, shale			3732	3830	gas check @ 3661' 8/10 - 2" merc
Bradford			3830	3938	
sand, shale			3938	4290	gas check @ 4000' 8/10 - 2" merc
Riley			4290	4390	
sand, shale			4390	4630	
Benson			4630	4680	gas check @ 4646' 6/10 - 2" merc
sand, shale			4680	4785	Driller TD @ DC 4/10 - 2" merc
				4772	Logger TD

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(Attach separate sheets as necessary)

PETROLEUM DEVELOPMENT CORP.
Well Operator
By: [Signature]
Date: 4/21/87

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."