

MULTIPOINT BACK PRESSURE TEST

Test Type ;	INITIAL	State:	KANSAS	Test Date:	08/24/99
Company ;	PELICAN OIL & GAS	Lease ;	RATH	Well No. ;	1
County ;	CHEYENNE	Location ;	SWSW/4 Sec 23 T2S R42W	Acres ;	160
Field;	EURIKA	Reservoir ;	Niobrara	Pipeline Conn.	
Completion Date ;		PBTD ;	1763	Packer Set ;	N/A
Casing Size ;	4 1/2" Wt. ; 10.5#	Set @ ;		Perfs. ;	1626-1646
Tubing Size ;	None Wt. ;	Set @ ;		Perfs ;	
Type of Completion ;	Single Gas	Type Fluid Prod ;	None		
Producing Thru ;	Casing	Reservoir Temp. F ;	--	Bar. Press. ;	13 PSI
Gas Gravity ;	.6 (est)	% CO2 ;	-- % N2 ; --	Liquid API Grav.	N/A
Vertical Depth ;	1830	Type Meter Conn. ;	None	Prover Size ;	2"

Remarks: Used 2" critical flow prover & dead weight tester.

Orifice Size 64th in.	Rate No.	Orifice Size in.	Prover Press. psig	Flowing Temp. deg. F	Casing Wellhead Pressure		Shut-in Hrs.:	Liquid Prod. bbbls.
					psig	psia		
	Shut-in	blank	205	--	205	218	0	0
7	1	7/64	196	80	196	209	1	0
9	2	9/64	189	80	189	202	1	0
12	3	3/16	165	79	165	178	1	0
13	4	13/64	150	79	150	163	1	0
11	5	11/64	54	84	54	67	24	0

RATE OF FLOW CALCULATIONS

Rate No.	Coefficient mcf/d	Prover Press. psia	Gravity Factor Fg	Temp. Factor Ft	Deviation Factor Fpv	Rate of Flow Q mcf/d
1	0.1917	209	1.291	0.9813	1.0139	51
2	0.3271	202	1.291	0.9813	1.0134	85
3	0.6237	178	1.291	0.9822	1.0118	142
4	0.7373	163	1.291	0.9822	1.0108	154
5	0.5000	67	1.291	0.9777	1.0044	42

PRESSURE CALCULATIONS

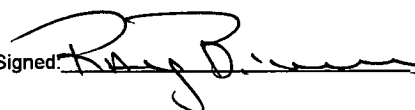
Rate No.	Pc psia	Pw psia	Pc^2 /1000	Pw^2 /1000	Pc^2-Pw^2 /1000	Q mcf/d	Shut-in %
1	218	209	47.5	43.7	3.8	51	95.61
2	218	202	47.5	40.8	6.7	85	92.20
3	218	178	47.5	31.7	15.8	142	80.49
4	218	163	47.5	26.6	21.0	154	73.17
5	218	67	47.5	4.5	43.0	42	26.34

INDICATED WELLHEAD OPEN FLOW = 45.24 Mcfd "n" = 0.66

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the 26th day of August, 1999.

Ray Bivens For J-W Operating Co.

Signed:  Title: Field Representative

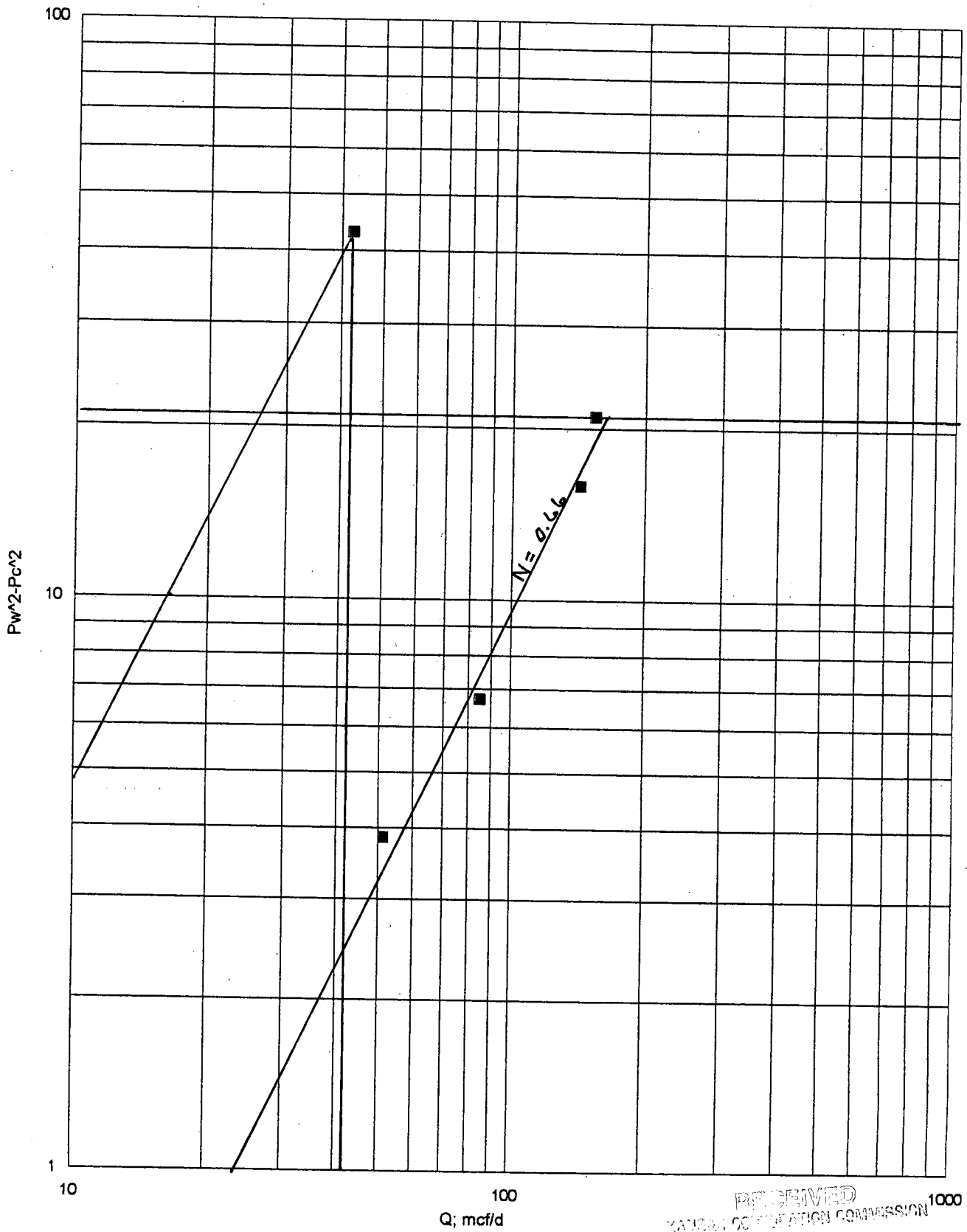
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CONSERVATION DIVISION
WICHITA, KS

Multi-Point Back Pressure Test

RATH 4 ONE



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WICHITA, KC