

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT, ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/6/74	
Company Inexco Oil Company				Connection None		
Pool Catclaw Draw				Formation Morrow		Unit
Completion Date 8/7/74 9-6-74		Total Depth 11,010		Plug Back TD 10,976		Elevation 3360 KB
Csg. Size 5 1/2		Wt. 17.02		d 4.092		Set At 11010
Thg. Size 2 3/3		Wt. 5.807		d 1.057		Set At 10,650
Perforations: From 10,746 To 10,867				Well No. 1		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 10,600		County Eddy
Producing Thru Tubing		Reservoir Temp. °F 170 11,000		Mean Annual Temp. °F 60		State New Mexico
L 10,650		H 10,650		Gg 0.623		% CO ₂ 4.06%
				% N ₂ 0.3%		% H ₂ S ---
				Prover ---		Meter Run 4"
						Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							3167	70	11/64		159
1.	4	x	1.5	200	86	103	2500	76	11/64		2.9
2.	4	x	1.5	200	51	103	2500	80	9/64		0.75
3.	4	x	1.5	185	28	113	2507	60	8/64		0.75
4.	4	x	1.5	180	8	110	2500	80	6/64		0.75
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	10.84	135.41	213.2	.9510	1.267	1.014	1012
2	10.84	104.27	213.2	.9560	1.267	1.013	1323
3	10.84	74.50	193.2	.9525	1.267	1.012	926
4	10.84	39.31	193.2	.9551	1.267	1.012	522
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.	0.31	563	1.57	.973	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.	0.31	563	1.53	.974	Specific Gravity Separator Gas 0.673 XXXXXXXXXX	
3.	0.29	573	1.60	.977	Specific Gravity Flowing Fluid XXXXXX	
4.	0.20	570	1.57	.977	Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.	3100.2	10113.7			Critical Temperature 303 °R _____ °R	

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	2545.6	6454.5	3653.8	2.764	2.764
2	2697.5	7275.5	4537.2		
3	2827.5	7555.0	4710.7		
4	2975.2	8351.8	5351.9		
5					

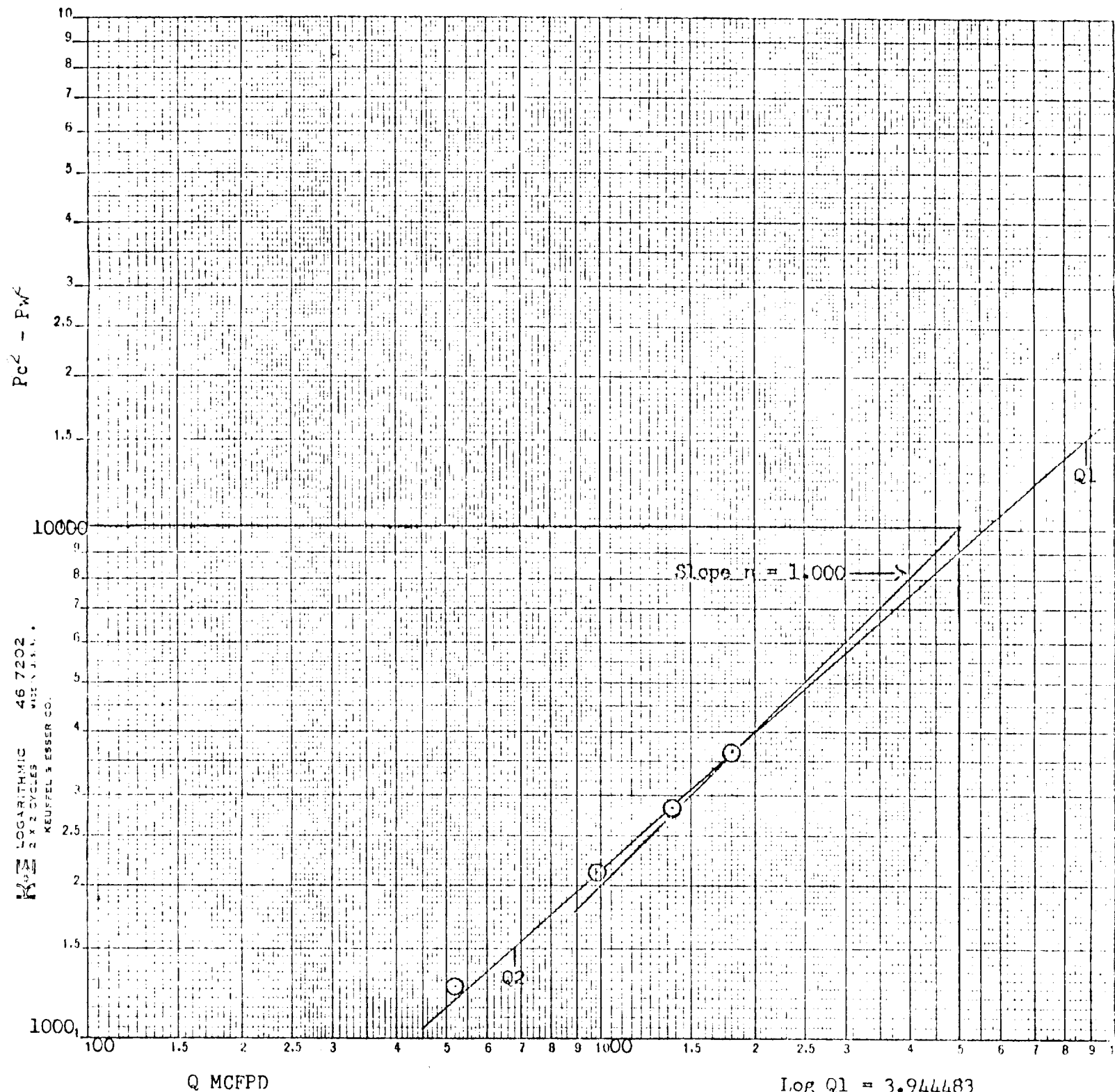
AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ **5009**

Absolute Open Flow 5009 Mcfd @ 15.025		Angle of Slope 45°	Slope, n 1.000
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Remarks: **UNOFFICIAL TEST. OFFICIAL TEST TO BE TAKEN & WITNESSED AFTER PRODUCTION EQUIPMENT INSTALLED AND PIPELINE CONNECTION MADE.**

Approved By Commission:	Conducted By: <i>[Signature]</i>	Calculated By: <i>[Signature]</i>	Checked By: <i>[Signature]</i>
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Inexco Oil Company
 Inexco Federal 17 No. 1
 Unit K, Sec. 17, T21S, R26E
 Eddy County, New Mexico
 September 6, 1974



Log Q1 = 3.944483
 Log Q2 = 2.832509
 n = 1.111974