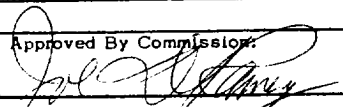


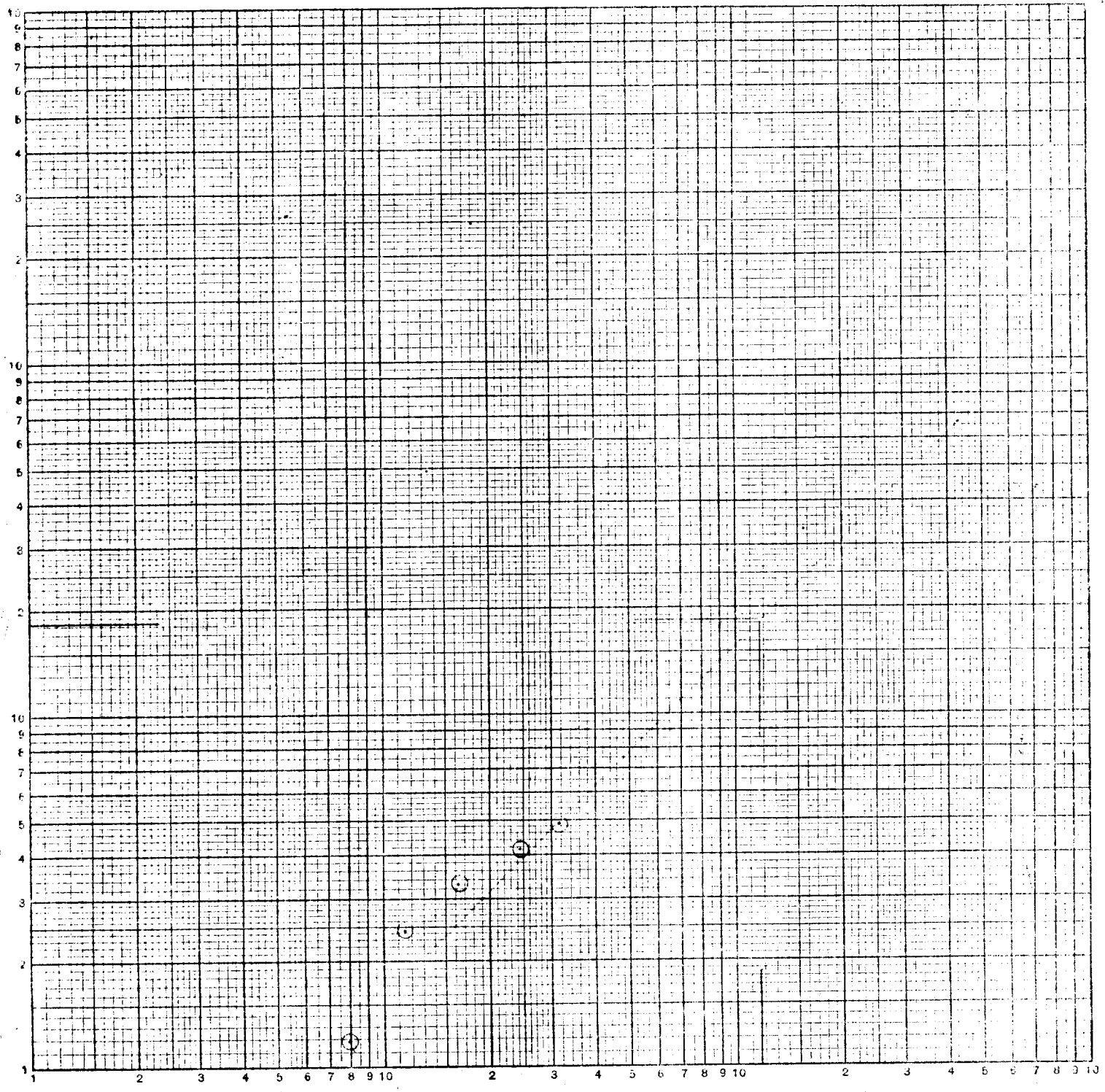
**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 12-4-69						
Company TEXACO INC.				Connection None							
Pool Oswado Morrow				Formation Morrow				Unit			
Completion Date 12-4-69		Total Depth 11550		Plug Back TD 11507		Elevation		Farm or Lease Name New Mexico St. "CU"			
Csg. Size 4.5	Wt. 13.5 & 11.60	d 1.60	Set At 11549	Perforations: From 11349 To 11372		Well No. #1					
Tbg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 10990	Perforations: From _____ To _____		Unit F	Sec. 31	Twp. 208	Rge. 36E		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 10990		County Lea				
Producing Thru Tubing		Reservoir Temp. °F 148 @ 10		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L 11349	H 11349	G _g 0.641	% CO ₂ 0.0	% N ₂ 0.0	% H ₂ S 0.0	Prover 2"	Meter Run	Taps			
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							3277				72 hrs.
1.	2"		0.250	41.7		60	2929	60			1 hr.
2.	2"		0.250	71.3		60	2889	60			1 hr.
3.	2"		0.375	41.5		60	2806	60			1 hr.
4.	2"		0.375	69.9		60	2632	60			1 hr.
5.	2"		0.500	45.5		60	2406	60			1 hr.
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	1.087		57.9	1.000	1.249	1.000	79				
2	1.087		84.5	1.000	1.249	1.000	115				
3	2.378		54.7	1.000	1.249	1.000	162				
4	2.378		83.1	1.000	1.249	1.000	247				
5	4.279		58.7	1.000	1.249	1.000	314				
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Dry Gas Mcf/bbl.						
1.	.08	520	1.40		A.P.I. Gravity of Liquid Hydrocarbons Dry _____ Deg.						
2.	.13	520	1.40		Specific Gravity Separator Gas 0.641 X X X X X X X X						
3.	.08	520	1.40		Specific Gravity Flowing Fluid X X X X X						
4.	.13	520	1.40		Critical Pressure 670 P.S.I.A. _____ P.S.I.A.						
5.	.08	520	1.40		Critical Temperature 372 _____ R						
P _c 3290.2		P _c 10825									
NO.	P _t ²	P _w	R _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____				
1		2985.7	8914	1911							
2		2899.2	8405	2420							
3		2726.8	7435	3390							
4		2582.1	6667	4158							
5		2435.4	5931	4894							
Absolute Open Flow 1180 MCF Mcfd @ 15.025					Angle of Slope θ 45°		Slope, n 1.000				
Remarks: Slope of 1.00 drawn through highest flow rate.											
Approved By Commission: 			Conducted By: REL			Calculated By: REL			Checked By:		

TEXACO INC.
State of New Mexico "CU" Comm. #1
Unit F Sec 31 20S 36E
Lea County
12-4-69

46 7400
MADE IN U.S.A.
LOGARITHMIC
3 X 3 CYCLES
KEUFFEL & ESSER CO.



Slope of 1.00 drawn through highest Flow Rate

ILLEGIBLE