

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-14-82	
Company Ammex Petroleum, Inc.				Connection To Atmos.			
Pool West Reeves Queen				Formation		Unit	
Completion Date 3-22-82		Total Depth 4745'		Plug Back TD		Elevation 3933.3 Grd.	
Casing Size 8 5/8" 4 1/2"		Wt. 23# 11.7#		d 8.097 4.000		Set At 1030 4745	
Perforations: From 4441 To 4447.5		Perforations: From OPENENDED To		Well No. 2		Unit Sec. Twp. Rge. J 20 18S 35E	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At		County Lea	
Producing Thru Tubing		Reservoir Temp. °F 102° 4444		Mean Annual Temp. °F 60°		Baro. Press. - P _g 13.2	
L 4444		H 4444		G _g .8418		% CO ₂ 1.944	
				% N ₂ 31.892		% H ₂ S -0-	
				Prover 2"		Meter Run Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
SI							CHOKE
1.	2"	x	3/32	240		97°	1227
2.	2	x	3/16	250		90	810
3.	2	x	1/4	140		96	194
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	.1410		240	.9662	1.090	1.016	36.2
2	.6082		250	.9723	1.090	1.017	164
3	1.087		140	.9671	1.090	1.009	162
4							
5							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio T.S.T.M. Mcf/bbl.		
1	.39	557	1.60	.969	A.P.I. Gravity of Liquid Hydrocarbons Deg.		
2	.40	550	1.58	.967	Specific Gravity Separator Gas .8418 XXXXXXXXXX		
3	.23	556	1.60	.982	Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 618 P.S.I.A. P.S.I.A.		
5					Critical Temperature 348 R R		
P _c 1346.2 P _c ² 1812					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5908$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.28$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 210.4$		
1		1242.2	1543	269			
2		820.2	673	1139			
3		210.2	44	1768			
4							
5							
Absolute Open Flow 210.4 Mcfd @ 15.025					Angle of Slope θ 61° 46'		Slope, n .53712
Remarks:							
Approved By Commission:		Conducted By: W.S.		Calculated By: M.K.		Checked By: M.K.	

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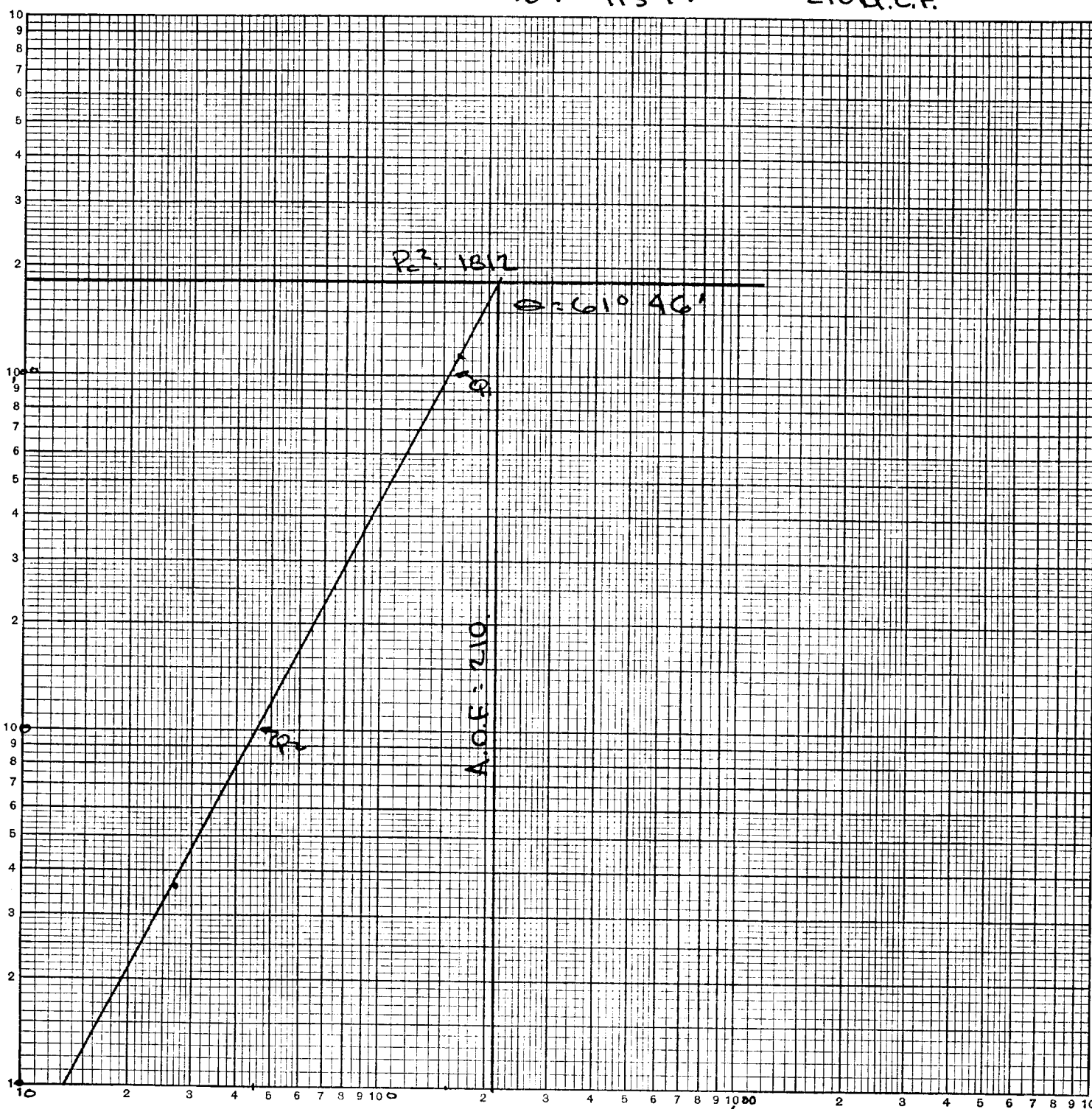
AUG 5 1982

O.C.D.
HOBBS OFFICE

$$164 \left(\frac{1812}{1139} \right)^{.53712} = 210 \text{ u.c.F.}$$

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

P₂-P₃



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