

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

Form C-122
Revised 10-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 5-14-73							
Company Petroleum Corp. of Texas			Connection Waiting on Pipeline								
Pool Fulcher Kutz			Formation Pictured Cliffs								
Completion Date 4-27-73		Total Depth 2191		Plug Back TD 2138	Elevation 6085 GL	Name of Lease Block Kutz Government					
Perforations From 2001 To 2072	Well No. 7-Y	Perforations From 2051 To -Open Ended	Unit L 3	Sec. 27N	Twp. 10W	Rge. 10W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County San Juan						
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2191	Mean Annual Temp. °F --	Baro. Press. - P _a 12.0		State New Mexico					
L 2051	H 2051	G _g 0.630	% CO ₂ --	% N ₂ --	% H ₂ S --	Prover --					
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.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1	3/4" T.C.						340		340		11 days
2							110	60	240		3 hrs
3											
4											
5											
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	12.3650		122	1.0000	0.9756	1.011	1,488				
2											
3											
4											
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lol.						
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2					Specific Gravity Separator Gas _____ X X X X X X X X X						
3					Specific Gravity Flowing Fluid _____ X X X X X						
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5					Critical Temperature _____ R _____ R						
NO.	P _r	P _w	R _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.0513$		(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.8416$				
1		252	63,504	60,400	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2,740$						
2											
3											
4											
5											
Absolute Open Flow				2,740 Mcfd @ 15.025		Angle of Slope θ		0.85			
Remarks:											
Approved By Commission:			Conducted By: Roy Jones			Calculated By: Ewell N. Walsh			Checked By:		

