

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

Form O-122
Revised 1-1-68

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-14-73	
Company Petroleum Corp. of Texas				Connection Waiting on Pipeline			
Field Fulcher Kutz P. C.				Formation Pictured Cliffs			
Completion Date 4-27-73		Total Length 2130'		Plug Back TD 2047'		Elevation 5990 GL	
Well ID 4.500		WT. 9.50		ID 4.090		Set At 2109	
Perforations: From 1941 To 2008		Perforations: From 1983 - Open Ended		Kutz Government		6-Y	
Tub. Size 1.990		WT. 2.76		ID 1.610		Set At 1983	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None		County San Juan		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2114		Mean Annual Temp. °F --		Baro. Press. - P _a 12.0	
L 1983		H 1983		G _g 0.620		% CO ₂ % N ₂ % H ₂ S Prover Meter Run Temp.	
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.
1.	3/4" T. C.						
2.							
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 _{py}	Rate of Flow Q, Mcfd
1	12.3650		72	1.0000	0.9837	1.0000	876
2							
3							
4							
5							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2					Specific Gravity Separator Gas _____ XXXXXXXXXX		
3					Specific Gravity Flowing Fluid _____ XXXXX		
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5					Critical Temperature _____ R _____ R		
P _c	312	P _c ²	97,344		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.8765$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.4538$		
1		252	63,504	33,840	AOE = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,150$		
2							
3							
4							
5							
Absolute Open Flow				2,150	Mcf/d @ 15.025		Angle of Slope @
Remarks:							
Approved By Commission:		Conducted By: Roy Jones		Calculated By: Ewell N. Walsh		Checked By:	

