

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

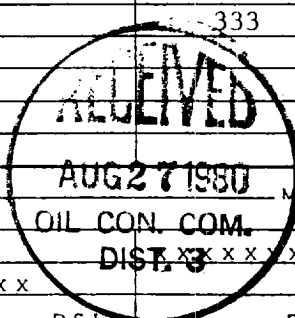
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-25-80			
Company Petroleum Corp. of Texas				Connection					
Pool Fulcher - Kutz				Formation Pictured Cliffs				Unit	
Completion Date 8-11-80		Total Depth 2086'		Plug Back TD 2052'		Elevation 5927' KB		Farm or Lease Name Kutz Government	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 2086'	Perforations: From 1912' To 1957'		Well No. 4-J			
Thq. Size 1.380	Wt. 2.40	d 1.380	Set At 1913'	Perforations: From Open To Ended		Unit B	Sec. 34	Twp. 28N	Rge. 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 60°C		Baro. Press. - P _a 12.0		State New Mexico	
L 1913	H 1913	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	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							175		175		7 days
1.	3/4" T.H.C.						15		145		3 hours
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		27	1.000	1.000		333
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										



P _c 187	P _c ² 34,969				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.3800$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8157$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		157	24,649	10,320		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 938$

Absolute Open Flow	938	Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.85
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Remarks:			
Approved By Commission:	Conducted By: Jerald Brooks	Calculated By:	Checked By: