NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8/27/80	
Company: Petroleum Corp. of Texas			Connection: None		
Pool: Fulcher-Kutz			Formation: Pictured Cliffs		Unit
Completion Date: 8/14/80	Total Depth: 2051'		Plug Back TD: 2023'	Elevation: 5924'KB	Farm or Lease Name: Kutz Government
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 2051			Perforations: From 1871' To 1917'		Well No.: 5-J
Tbg. Size: 1.380 / Wt.: 2.40 / d: 1.380 / Set At: 1882'			Perforations: From 1880' To 1882'		Unit: F / Sec.: 2 / Twp.: 27N / 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°	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
1822	1822							

	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
SI						230		230		7 days
1.	3/4" T.H.C.					20		150		3 hrs.
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		32	1,000	1,000		395
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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OIL CON. COM.
DIST. 3

P_c 242 P_c^2 58,564

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		162	26,244	32,320
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8120$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6574$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 655$

Absolute Open Flow 655 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jerold Brooks	Dewayne Blancett	