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: 7/5/78	
Company: Petroleum corporation Of Texas			Connection: Waiting on Pipeline		
Pool: Fulcher Kutz P.C.			Formation: Pictured Cliffs		Unit
Completion Date: 6/23/78	Total Depth: 2090'		Plug Back TD: 2002'	Elevation: 5812'KB	Farm or Lease Name: Day "H"
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 2035			Perforations: From 1937 To 1972		Well No.: 2-R
Tbg. Size: 1.380 / Wt.: 2.40 / d: 1.380 / Set At: 1932			Perforations: From 1929 To 1932		Unit: A / Sec.: 17 / Twp.: 28N / 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 @ 2090	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
1929	1929	0.600	--	--	--	--	--	--

	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					220		220		8 da.
1.					35	60	180		
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		47	1.0000	1.0000	1.0000	581
2.							
3.							
4.							
5.							

NO.	P_t	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

P_c 232 P_c^2 53,824

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		192	36,864	16,960
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.1735$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.6688$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,551$

Absolute Open Flow 1,551 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jerold Brooks	Ewell N. Walsh	