NEW MEXICO OIL CONSERVATION COMMISSION

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: 5-18-73	
Company: Petroleum Corp. of Texas		Connection: Waiting on Pipeline			
Pool: Fulcher Kutz		Formation: Pictured Cliffs		Unit	
Completion Date: 4-28-73	Total Depth: 2250	Plug Back TD: 2208	Elevation: 6034 GL	Farm or Lease Name: Kutz Government	
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090 / Set At: 2211		Perforations: From 2076 To 2130		Well No.: 8-Y	
Tbg. Size: 1.990 / Wt.: 2.76 / d: 1.610 / Set At: 2099		Perforations: From 2099 To -Open Ended		Unit: N / Sec.: 21 / 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 @ 2250	Mean Annual Temp. °F: --	Baro. Press. – P_a: 12.0	State: New Mexico	
L: 2099 / H: 2099 / Gg: 0.660	% CO_2: --	% N_2: --	% H_2S: --	Prover: --	Meter Run: -- / Taps: --

FLOW DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI						290		290		9 days
1.						25	60	180		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		37	1.0000	0.9535	1.0000	436
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 302 P_c^2 91,204

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		192	36,864	54,340
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6783$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5528$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 677$

RECEIVED
MAY 24 1973
OIL CON. COM.
DIST. 3

Absolute Open Flow 677 Mcfd @ 15.025 Angle of Slope θ _____ Slope n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Roy Jones	Ewell N. Walsh	