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: 12-28-79	
Company: Amoco Production Company	Connection: Gas Company of New Mexico			
Pool: Fulcher Kutz	Formation: Pictured Cliff		Unit	
Completion Date: 12-15-79	Total Depth: 2199	Plug Back TD: 2169	Elevation: 5888 GL	Farm or Lease Name: Day Gas Com "A"
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 2199	Perforations: From 1958 To 1996			Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 2001	Perforations: From open To ended			Unit: J / Sec.: 18 / Twp.: 28 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE	Packer Set At: NONE			County: San Juan
Producing Thru: TUBING	Reservoir Temp. °F:	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

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

	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	13 days					180		180		3 hrs
1.	2.375	.750				48		155		
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	12.365		60	1.000	.9608	1.005	716
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 192 P_c^2 36864

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		167	27889	8975
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.1074$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.3230$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2379$

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J. J. BARNETT	B. E. PACKRELL