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

Form C-122
Revised 9-1-65

RECEIVED
DEC 30 1981
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 12-17-81	
Company: Amoco Production Company			Connection: El Paso Natural Gas Company		
Pool: Otero			Formation: Chacra		Unit:
Completion Date: 10-14-81	Total Depth: 5605		Plug Back TD: 5562	Elevation: 6883	Farm or Lease Name: Jicarilla Contract 146
Csg. Size: 5.500 / Wt.: 14.00 / d: 5.012 / Set At: 5605			Perforations: From 4008 To 4036		Well No.: 33
Tbg. Size: 1.660 / Wt.: 2.30 / d: 1.380 / Set At: 4017			Perforations: From orange peel To perf sub		Unit: P / Sec.: 10 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual			Packer Set At: 4083		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: θ		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	14 Days					686		687		
1.	2.375	.750				51		418		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	12.365		63	1.000	.9608	1.005	752
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 699 P_c^2 488601

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		430	184900	303701
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6088$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4285$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1074$

Absolute Open Flow 1074 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	