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 [x] Special			Test Date: 9-11-82	
Company: Amoco Production Company	Connection: El Paso Natural Gas Company			Unit
Pool: Otero	Formation: Chacra			
Completion Date: 8-17-82	Total Depth: 3982	Plug Back TD: 3933	Elevation: 6459 GL	Farm or Lease Name: Jicarilla Contract 155
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 3982		Perforations: From 3710 To 3824		Well No.: 31
Tbg. Size: 2-1/16 / Wt.: 3.25 / d: 1.751 / Set At: 3832		Perforations: From open To ended		Unit: H / Sec.: 29 / Twp.: 26 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual		Packer Set At: 3919		County: Rio Arriba
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	14 Days					874		x		
1.	2.375	.750				57		x		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		69	1.000	.9608	1.006	825
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 886 P_c^2 784996

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		70	4900	780096
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0063$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0047$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 829$

Absolute Open Flow 829 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	