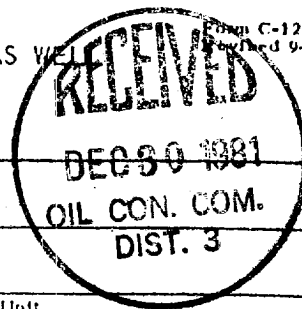


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 12-17-81		RECEIVED DEC 30 1981 OIL CON. COM. DIST. 3					
Company Amoco Production Company						Connection El Paso Natural Gas Company						Unit	
Pool Otero						Formation Chacara						Farm or Lease Name Jicarilla Contract 146	
Completion Date 10-14-81			Total Depth 5605		Plug Back TD 5562		Elevation 6883		Well No. 33				
Csg. Size 5.500		Wt. 14.00		d 5.012		Set At 5605		Perforations: From 4008 To 4036		Unit Sec. Twp. Rge. P 10 25N 5W			
Trg. Size 1.660		Wt. 2.30		d 1.380		Set At 4017		Perforations: From orange peel To perf sub		County Rio Arriba			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual						Packer Set At 4083		State New Mexico					
Producing Thru Tubing			Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		Meters Run				
L		H		G _g		% CO ₂		% N ₂		% H ₂ S			
Prover		Meter Run		Taps									

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		63	1.000	.9608	1.005	752
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 699		P _c ² 488601		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6088$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4285$	
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1074$		
1		430	184900	303701			
2							
3							
4							
5							

Absolute Open Flow 1074		Mcf/d @ 15.025		Angle of Slope θ _____		Slope, n 75	
Remarks: _____							

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