

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 07 25 80									
Company AMOCO PRODUCTION CO.				Connection NORTHWEST PIPELINE CORP.											
Pool OTERO CHACRA				Formation CHACRA		Unit									
Completion Date 07 01 80		Total Depth 7800		Plug Back TD 4050		Elevation 6888GL									
Farm or Lease Name JICARILLA CONTRACT 148		Well No. 17		Unit I		Sec. Twp. Rge. 15 25N 5W									
Csg. Size 7.000		Wt. 23		d 6.366		Set At 7800									
Tbg. Size 2.875		Wt. 6.5		d 2.441		Set At 3988									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		County RIO ARRIBA									
Producing Thru TUBING		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a									
State NEW MEXICO		L		H		G _g									
%		CO ₂		%		H ₂ S									
Prover		Meter Run		Taps											
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow					
NO.	Prover Line Size	X	Orifice Size	Pross. p.s.i.g.	Diff. h _w	Temp. °F	Pross. p.s.i.g.	Temp. °F	Pross. p.s.i.g.	Temp. °F	Duration of Flow				
1	8 days						566		568		3 hrs				
1.	2.375		.750				48		166						
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		60	1.000	.9608	1.006	717								
2.															
3.															
4.															
5.															
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R										
1.															
2.															
3.															
4.															
5.															
P _c 580		P _c ² 336400													
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.1040}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.0770}$										
1		178	31684	304716											
2															
3															
4															
5															
AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{772}$					Absolute Open Flow 772 Mcfd @ 15.025			Angle of Slope θ		Slope, n .75					
Remarks:															
Approved By Commission				Conducted By JJB				Calculated By J J BARNETT				Checked By W L PETERSON			

