

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-2-73				
Company AMOCO PRODUCTION COMPANY					Connection El Paso Natural Gas Company				
Pool Ballard					Formation Pictured Cliffs				
Completion Date 6-24-73			Total Depth 2961'		Plug Back TD 2926'		Elevation 7343' GL		Farm or Lease Name Jicarilla Tribal 358
Csg. Size 4.500"	Wt. 9.5#	d 4.090	Set At 2961'	Perforations: From 2781' To 2827'			Well No. 4		
Tbg. Size 1.660"	Wt. 2.3#	d 1.380	Set At 2821'	Perforations: From Open To Ended			Unit Sec. Twp. Rge. J 6 22N 2W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None			County Sandoval	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line X Size 8 days	Line X Size 0.750	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI						660		662	
1.	2"	0.750				86	60° est	543	60° est
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		98	1.000	.9258	1.011	1134
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.
5.					Critical Temperature _____ R

P _c 674	P _c ² 454,276	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{3.1061}}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{2.6220}}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	555	308025	146251
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{2973}}$

Absolute Open Flow 2973 Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n .85
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Remarks: _____

Approved By Commission:	Conducted By: J. F. Ellledge	Calculated By: J. A. Pope	Checked By: J. W. Calvin
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