

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 2-20-73	
Company AMOCO PRODUCTION COMPANY				Connection	
Pool Otero				Formation Chacra	
Completion Date 2-6-73		Total Depth 5180		Plug Back TD 5141	
				Elevation KB 6415	
Farm or Lease Name Jicarilla Contract 155					
Csg. Size 5-1/2"	Wt. 14#	d 5.012	Set At 5180	Perforations: From 3496 To 3512	
Well No. 24					
Tbg. Size 1-1/4"	Wt. 2.4#	d 1.660	Set At 3514	Perforations: From 3496 To 3512	
Unit Sec. Twp. Rge. M 31 26N 5W					
Type Well - Single - Brodenhead - G.G. or G.O. Multiple G.G.				Packer Set At 4733	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico	
L 3514	H 3514	Gg .65	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	X	Size Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	14 Days						833		
1.	2-Inch		.750				101		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	12.3650		113	1.000	.9608	1.011	1357
2.							
3.							
4.							
5.							

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

P _c 845	P _c ² 714,025	
NO.	P _r ²	P _w ²
1	493	243,049
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.5161}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1854}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.3662}$

Absolute Open Flow 1854	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:			

Approved By: T. M. Oliver	Conducted By: J. A. Pope	Calculated By: J. Arnold Snell	Checked By:
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