

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 2-8-73				
Company AMOCO PRODUCTION COMPANY					Connection				
Pool Otero Chacra					Formation Chacra				
Completion Date 2-1-73		Total Depth 5230		Plug Back TD 5196		Elevation KB 6507		Farm or Lease Name Jicarilla Contract 155	
Csg. Size 5-1/2"	Wt. 14#	d 5.012	Set At 5230	Perforations: From 3640 To 3660		Well No. 23			
Tbg. Size 1-1/4"	Wt. 2.4 #	d 1.660	Set At 3653	Perforations: From None To		Unit Sec. Twp. Rge. N 32 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G.					Packer Set At 4908		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 3653	H 3653	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 Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days					814		812	
1.	2-Inch	.750				65		361	60°
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	12.3650		77	1.080	.9608	1.011	925
2.							
3.							
4.							
5.							

NO.	P _t	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></td>	
3.					Specific Gravity Flowing Fluid <td></td>	
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	826	373	682,276	139,129	543,147
2.					
3.					
4.					
5.					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2561$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1864$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.097$$

Absolute Open Flow 1097		Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved by: _____	Conducted By: T. M. Oliver	Calculated By: J.A. Pope/P.C. Ellison	Checked By: J. Arnold Snell
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