

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 8-4-73	
Company AMOCO PRODUCTION COMPANY				Connection None	
Pool Ballard				Formation Pictured Cliffs EIT	
Completion Date 7-27-73		Total Depth 2860		Plug Back TD 2812	
Elevation 7268		Farm or Lease Name Jicarilla Tribal 358			
Csg. Size 4.500	Wt. 9.500	d 4.090	Set At 2857	Perforations: From 2657 To 2710	
Thg. Size 1.660	Wt. 2.4	d 1.380	Set At 2643	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing				Reservoir Temp. °F #	
Mean Annual Temp. °F				Baro. Press. - P _a	
State New Mexico				County Sandoval	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	8 Days					694		694	
1.	2-Inch					92		218	3 Hrs.
2.									
3.	Well Test with Back Pressure and Separator								
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							
2	Gas measured with Pitot Tube						
3							
4	15" water						
5							456

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

P _c 706	P _c ² 498436				
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1187$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 502$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1000$

Absolute Open Flow 502	Mcf/d @ 15.025	Angle of Slope 50	Slope, n .85
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Remarks:

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