

**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 5-27-77					
Company Dave M. Thomas, Jr.				Connection Waiting on Pipeline						
Pool Ballard P. C.				Formation Pictured Cliffs				Unit		
Completion Date 5-13-77			Total Depth 3365		Plug Back TD 3325		Elevation 7442'KB		Farm or Lease Name Chacon Jicarilla	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3,362	Perforations: From 3188 To 3212				Well No. 6		
Thq. Size 1.660	Wt. 2.40	d 1.380	Set At 3,196	Perforations: From Open To Ended				Unit Sec. Twp. Rge. E 16 23N 3W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None			County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 96 @ 3365		Mean Annual Temp. °F --		Baro. Press. - P _a 12.0		State New Mexico		
L 3196	H --	G _g 0.600	% CO ₂ --	% N ₂ --	% H ₂ S --	Prover --	Meter Run --	Taps --		

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							755		765		8 days
1.	3/4" THC						140		435		
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	12.3656		152	1.0000	1.0000	1.0000	1,879
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX			
3.					Specific Gravity Flowing Fluid _____ XXXXXX			
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
5.					Critical Temperature _____ R _____ R			

P _c 777 P _c ² 603,729				
NO.	P _t ²	F _w	P _w ²	P _c ² - P _w ²
1		447	199,809	403,920
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.4946}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.4072}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2,644}$

Absolute Open Flow 2,644 Mcfd @ 15.025		Angle of Slope 0.85
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Remarks:			

Approved By Commission:	Conducted By: Roger McCown	Calculated By: Ewell N. Walsh	Checked By:
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