

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR

RECEIVED
SEP 30 1983

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date SEP 30 1983				
Company Caulkins Oil Company					Connection Chacra				
Pool/Otero Chacra South Blanco Pictured Cliffs					Formation Pictured Cliffs				
Completion Date 9-21-83		Total Depth 6888'		Plug Back TD 6888'		Elevation 6146 GR		Farm or Lease Name Breech	
Csq. Size 5 1/2"	Wt. 17# 15.5	d 4.950	Set At 4.892	Perforations: From 2281' To 3323'		Well No. 307-M			
Thq. Size 1 1/4"	Wt. 2.33#	d 1.660	Set At 3300'	Perforations: From 3300' To		Unit Sec. Twp. Rge. 0 13 26N 7W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas Multiple					Packer Set At 3337'		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
L	H	G _g	% 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							661		642		7 Days
1.							63		564		3 Hours
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 O. Mcfd
1	14.1605		75	1.000	1.000	1.000	1,062
2.							PC 744
3.							Chacra 319
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	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 _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 673	P _c ² 452,929		
NO.	P ₁ ²	P _w	P ₁ ² - P _w ²
1		576	331,776
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_1^2 - P_w^2} = 3.74$ (2) $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 2.689$

AOF = Q $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 2,855$

Absolute Open Flow	2,855	Mcf/d @ 15.025	Angle of Slope @	75	Slope, n
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Remarks:	Commingle Order No. R-5648	1,999 for Pictured Cliffs
		856 for Chacra

Approved By Division	Conducted By:	Calculated By:	Checked By:
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