

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 11-18-74	
Company Caulkins Oil Company				Connection	
Pool Otero- Chacra				Formation Chacra	
Completion Date 11-2-74		Total Depth 4000'		Plug Back TD 4000'	
Elevation 6707 DF		Farm or Lease Name Breech D			
Cog. Size 4 1/2"	Wt. 12.6#	d 3.833	Set At 4000'	Perforations: From 3850 To 3950	
Tbg. Size 1 1/4"	Wt. 2.3#	d 1.380	Set At 3812	Perforations: From None To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 3812	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P _a		County Rio Arriba			
State New Mexico					
L 3812	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover				Meter Run	Taps Pipe

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.	
SI	10 Days						945		PKR	
1.							31		PKR	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 Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mscf/d
1	14,1605		43	1.000	1.000	1.000	609
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 _____ 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 915, 849				
NO.	P _t ²	P _w	P _r ²	P _c ² - P _w ²
1	1,849	195	38,034	877,815
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_r^2 - P_w^2} = \frac{1.04}{}$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{627}{}$$

$$(2) \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = \frac{1.0298}{}$$

Absolute Open Flow 627 Mscf @ 15.025	Angle of Slope 75	Slope, n _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By:
		Checked By: