

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 11-13-74	
Company Caulkins Oil Company				Connection		
Pool Otero Chacra				Formation Chacra		Unit
Completion Date 11-5-74		Total Depth 3775'		Plug Back TD 3775'		Elevation 6572 Gr.
Form or Lease Name Breech		Well No. 368				
Des. Size 4 1/2"	Wt. 12.6#	d 3.833	Set At 3775	Perforations: From 3575 To 3676		Unit I
Thg. Size 1 1/4"	Wt. 2.3#	d 1.380	Set At 3536	Perforations: From None To		Sec. 23
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Baro. Press. - P_a 3536		Trp. 26N
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Rye. 7W
County Rio Arriba		State New Mexico				
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run						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.	Temp. °F	
SI	8 Days						982		PKR		
1.							62		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 F_t	Gravity Factor F_g	Super Compress. Factor, F_{sc}	Date of Flow O, Mold
1	14.1605		74	1.000	1.000	1.000	1048
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/mol.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P_c^2	P_w^2	R_w^2	$P_c^2 - R_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.13}$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{1.0959}$
1	5,476	340	115,966	872,070		
2						
3						
4						
5						

Absolute Open Flow 1149				Mold @ 15.025	Angle of Slope θ	Slope, n 75
Remarks:						
Approved By Commission:		Conducted By:		Calculated By:		Checked By: