

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 9-7-76	
Company Cauldine Oil Company				Connection			
Pool Otero-Chacara				Formation Chacara		Unit	
Completion Date 8-31-76		Total Depth 3480		Plug Back TD 3480		Elevation 6204	
Farm or Lease Name Breech							
Csg. Size 4 1/2"	Wt. 12.6	d 3833	Set At 3480	Perforations: From 3368 To 3470		Well No. 298	
Tub. Size 1 1/4"	Wt. 2.3	d 1,380	Set At 3450	Perforations: From 3450 To		Unit Sec. Twp. Rge. F 18 26N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 2540		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% 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	7 Days						895		PKR		
1.							21		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, Mcfd
1	14.1605		33	1.000	1.000	1.000	467
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 _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 907	P _c 2822.649			
NO.	P _r ²	P _w ²	R _w ²	P _r ² - R _w ²
1	1,089	146	21,331	801,318
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_r^2 - R_w^2} = 1.03$

AOF = Q $\left[\frac{R_r^2}{P_r^2 - R_w^2} \right]^n = 477$

(2) $\left[\frac{R_r^2}{P_r^2 - R_w^2} \right]^n = 1.0224$

477

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope @ _____

RECEIVED

SEP 13 1976

OIL CON. COM.

DIST-3

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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