

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 9-8-76	
Company Cauldins Oil Company				Connection	
Pool Otero-Chacara				Formation Chacara	
Completion Date 8-11-76		Total Depth 3700		Plug Back TD 3690	
Elevation 6554		Farm or Lease Name Broach			
Csg. Size 1 1/2"	Wt. 10.5	d 1.000	Set At 3690	Perforations: From 3550 To 3650	
Well No. 330					
Tbg. Size 1 1/4"	Wt. 2.3	d 1.300	Set At 3535	Perforations: From 3535 To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 2731	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F @		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						1080		PKC		
1.							41		PKC		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	14.1635		53	1.000	1.000	1.000	750
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 _____ 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

P _c 2072	P _c ² 4,294,084				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.02$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0149$
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²		
1	4,294,084	162	26,140	4,267,944		
2.						
3.						
4.						
5.						

Absolute Open Flow	761	Mcfd @ 15.025	Angle of Slope @	75
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Remarks:

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