

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-6-69	
Company Jerome P. McHugh				Connection			
Pool Ballard				Formation Pictured Cliffs			
Completion Date 5-26-69		Total Depth 2325		Plug Back TD		Elevation 6513	
Csg. Size 4 1/2	Wt. 9.5	d	Set At 2324	Perforations: From 2220 To 2262		Well No. 5	
Tbg. Size 1 1/4	Wt. 2.4	d	Set At 2284	Perforations: From open ended To		Unit Sec. Twp. Rge. D 20 25N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - G.S.				Packer Set At		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g 0.630	% 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.	
1.							520		522	
2.										
3.	2		5/8	29		61			159	3 hrs
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, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.	8.5417		41	9990	9759	1.000	341
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>X X X X X X X X</td>	X X X X X X X X
3.					Specific Gravity Flowing Fluid <td>X X X X X</td>	X X X X X
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P _c ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.						
2.						
3.		171	29241	255,915		
4.						
5.						

Absolute Open Flow **374** Mcfd @ 15.025 Angle of Slope **0.85** Slope, n **0.85**
 Remarks: **light spray water**

Approved By Commission:	Conducted By: Dunja	Calculated By:
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