

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 6-23-1969	
Company Colonial Production Company				Connection Waiting on Pipeline	
Pool Ballard P. C.				Formation Pictured Cliffs	
Completion Date 6-13-69		Total Depth 3007		Elevation 7292 KB	
Csg. Size 4.50		Wt. 9.50		Set At 3016	
Tbg. Size 1.250		Wt. 2.40		Set At 2909	
Perforations: From 2896 To 2915		Perforations: From 2906 To 2909		Well No. 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 100-3000		Mean Annual Temp. °F Baro. Press. - P _g	
L		H		Cg 0.650 Est.	
				% 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
1.	3/4" T.C. Choke					52	586		586		7 days
2.							54		296		3 hrs.
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	12.3560		66	1.0078	0.9608		790
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1								XXXXXX		
2.										
3.										
4.										
5.										

P _c 598	P _c ² 357,604	
NO.	P _t ²	P _w
1		308
2		94,864
3		262,740
4		
5		

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.3610$

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.027$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.3000$

Absolute Open Flow	1,027	Mcfd @ 15.025	Angle of Slope @	Slope, n 0.85
Remarks:				

Approved By Commission:	Conducted By: David L. Collis Wayne Smith	Calculated By: Ewell N. Walsh	Checked By:
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