

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- 19 - 75	
Company T O C				Connection			
Pool Mesa Verde				Formation Blanco Mesa Verde		Unit C	
Completion Date 9-10-75		Total Depth 5250		Plug Back TD		Elevation	
Casing Size 4 1/2"		Wt. 10.5		Set At 5248		Perforations: From To	
Tubing Size 2 3/8"		Wt.		Set At 5068'		Perforations: From 3441 To 5093	
Type Well - Single - Freedomhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		Prover	
				% CO ₂		% H ₂ S	
						Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	24,750			199		70	3 hr
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 F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	11		211	.9905	1.213	1.022	2850
2							
3							
4							
5							
NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R		
1	13103	530	1.3766	.958	XXXXXX O.S.I.A. R		
2							
3							
4							
5							
$P_c = 667$ $P_c^2 = 444889$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.1678$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.4275$		
NO.	P _c ²	P _w ²	R _w ²	P _c ² - R _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 9768$		
1	44521	599	35880	86088			
2							
3							
4							
5							
Absolute Open Flow					Mcf/d @ 15.025		Slope, n
9768							75
Remarks:							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	