

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 3-4-75							
Company Marathon Oil Company				Connection NC							
Pool				Formation Pictured Cliffs							
Completion Date		Total Depth		Plug Back TD 6525 GL							
Csg. Size 4.5		Set At 7494		Perforations: From 2968 To 2990							
Tbg. Size 2.375		Set At		Perforations: From 7120 To							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas				Packer Set At 7120							
Producing Thru Casing		Reservoir Temp. °F @		Baro. Press. - P _a 12.0							
L		H		Cg							
				% CO ₂							
				% N ₂							
				% H ₂ S							
				Prover							
				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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	2-25-75						905 Pkr		861		3 hrs.
2.	2	x	3/4				905 Pkr	60	108		
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 _{pv}	Rate of Flow Q, Mcfd				
1.	12.3650		120	1.000	.9608	1.012	1447				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1.											
2.											
3.											
4.											
5.											
P _c 873 P _c ² 762129					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0193$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0144$						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1468$						
1.	14400			747729							
2.											
3.											
4.											
5.											
Absolute Open Flow 1468 Mcfd @ 15.0%					Angle of Slope @		Slope, n .85				
Remarks:											
Approved By Commission:		Conducted By: Tefteller, Inc.		Calculated By: N. Tefteller		Checked By: <i>D. Patterson</i>					