

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 3-4-75	
Company Marathon Oil Company			Connection NC		
Pool			Formation Pictured Cliffs		Unit
Completion Date		Total Depth		Plug Back TD	Elevation 6525 GL
Farm or Lease Name Jicarilla Apache					
Csg. Size 4.5	Wt.	d	Set At 7494	Perforations: From 2968 To 2990	
Tbg. Size 2.375	Wt.	d	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		Mean Annual Temp. °F	
Baro. Press. - P _a 12.0		County Rio Arriba			
State New Mexico		City			
L	H	G _g	% 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.	
SI	2-25-75						905 Pkr		861	
1.	2	X	3/4				905 Pkr	60	108	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 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 _f	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 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 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
1	14400			747729
2				
3				
4				
5				

Absolute Open Flow <u>1468</u> Mcfd @ 15.025		Angle of Slope <u>APR 14 1975</u>		Slope, n <u>.85</u>
Remarks: _____				
Approved By Commission:	Conducted By: Teffeller, Inc.	Calculated By: N. Teffeller	Checked By: <i>P. A. Patterson</i>	

