NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 10-16-74

Company: Marathon Oil Company — Connection:

Pool: — Formation: Pictured Cliffs — Unit:

Completion Date: — Total Depth: — Plug Back TD: 3118 — Elevation: — Farm or Lease Name: Jicarilla

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4 3/4	16.0		3172	From 3018 To 3044	17
Tbg. Size	**Wt.**	**d**	**Set At**	**Perforations**	**Unit / Sec. / Twp. / Rge.**
2 3/8			2980	From To	H / 34 / 26N / 5W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single gas — Packer Set At: 2980 — County: Rio Arriba

Producing Thru: Tubing — Reservoir Temp. °F: @ — Mean Annual Temp. °F: — Baro. Press. – P_a: 12.0 — State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
						X		

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	Shut in				981		Pkr		
1.	2 x 3/4"				75	60	"		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		87	1.000	.9608		1039
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX _____

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P_c 993 P_c^2 986049

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		94	8836	977213
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0090$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0076$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1047$

NOV 14 1974

Absolute Open Flow 1047 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Tefteller, Inc.	N. Tefteller	P. T. Patterson