Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator				Lease or Unit Name		
Meridian Oil, Inc.				Rhodes "A"		
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-8-95	Well No.: 4	
Completion Date: 6-6-95	Total Depth: 3250	Plug Back TD: 3220'		Elevation: 2986'	Unit Ltr. - Sec. - TWP - Rge.: I 22 26 37	
Csg. Size: 4½	Wt.: 11.6	d: 4.00	Set At: 3250	Perforations: From: 2936 To: 3157	County: Lea	
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 2911	Perforations: From: To:	Pool: Rhodes Gas	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: None	Formation: Yates 7 River	
Producing Thru: Tbg	Reservoir Temp. °F	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2	Connection: Vented	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2911	2911	.759	.78	1.67		2"		

	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
SI						721		736		24 Hours
1.	2	x 1.500	15		48	685		720		30 Min.
2.	2	x 1.500	25		48	648		710		" "
3.	2	x 1.500	35		46	600		695		" "
4.	2	x 1.500	48		50	523		679		" "
5.	2	x 1.500	60		57	441		663		" "

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, F pv.	Rate of Flow Q, Mcfd
1.	42.11		28.2	1.012	1.148	1.005	1.387
2.	42.11		38.2	1.012	1.148	1.005	1.878
3.	42.11		48.2	1.014	1.148	1.006	2.377
4.	42.11		61.2	1.010	1.148	1.005	3.003
5.	42.11		73.2	1.000	1.148	1.012	3.581

NO.	P_r	Temp. °R	T_r	Z
1.	.04	508	1.24	.990
2.	.05	508	1.24	.990
3.	.07	506	1.24	.988
4.	.09	510	1.25	.990
5.	.10	517	1.26	.976

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .759 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 667 P.S.I.A. P.S.I.A.
Critical Temperature: 408 R R

P_c 749.2 P_c^2 561.3

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		733.2	537.6	23.7
2.		723.2	523.0	38.3
3.		708.2	501.5	59.8
4.		692.2	479.1	82.2
5.		676.2	457.2	104.1

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.392$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.889$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 10.345$

Absolute Open Flow: 10,345 Mcfd @ 15.025 | Angle of Slope θ: 58.0 | Slope, n: .6296

Remarks:
NO FLUID PRODUCED DURING TEST

Approved By Division	Conducted By:	Calculated By:	Checked By:
	WEST-TEST, INC.	B.M.	B.M.