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

State of New Mexico
Energy, Minerals and Natural Resources Depar[illegible]t

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: MERIDIAN OIL INC.					Lease or Unit Name: LATE THOMAS		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 4-13-94	Well No.: 4	
Completion Date: 4-9-94	Total Depth: 3250		Plug Back TD: 3202		Elevation: 3255.7 GR.	Unit Ltr. - Sec. - TWP - Rge.: 17 - 24- 37	
Csg. Size: 4½	Wt.: 10#	d: 4.052	Set At: 3250	Perforations: From: 2886 To: 3062		County: LEA	
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 2920	Perforations: From: To:		Pool: JALMAT	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE				Packer Set At: NONE		Formation: YATES 7 RIVERS	
Producing Thru: TBG	Reservoir Temp. °F	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2		Connection: VENTED	
L: 2886	H: 2886	Gg: .779	% CO_2: 9.80	% N_2: 2.16	% H_2S	Prover: 2"	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
SI					121		121		24 HRS
1.	2 X .750	5.0		101	113		118		30 MIN.
2.	2 X .750	10.0		99	106		115		" "
3.	2 X .750	16.0		92	95		105		" "
4.	2 X .750	22.0		90	86		99		" "
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, F pv.	Rate of Flow Q, Mcfd
1.	9.453		18.2	.9628	1.133	1.005	189
2.	9.453		23.2	.9645	1.133	1.005	241
3.	9.453		29.2	.9706	1.133	1.005	305
4.	9.453		35.2	.9723	1.133	1.005	368
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.02	561	1.42	.991
2.	.03	559	1.42	.991
3.	.04	552	1.40	.991
4.	.05	550	1.39	.991
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P. I Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .779 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: * 702 P.S.I.A. ____ P.S.I.A.
Critical Temperature: *393 R ____ R

P_c 134.2 P_c^2 18.0

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		131.2	17.2	.8
2.		128.2	16.4	1.6
3.		118.2	14.0	4.0
4.		112.2	12.6	5.4
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 22.500$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.729$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .894$

Absolute Open Flow: 894 Mcfd @ 15.025 | Angle of Slope θ: 63.5 | Slope, n: .499

Remarks: NO FLUID PRODUCED DURING TEST

* = CORRECTED TO 9.80% CO2 & 2.16% N2

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

JC