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: Meridian Oil Inc.						Lease or Unit Name: Linebery "B" Federal			
Type Test: [X] Initial [ ] Annual [ ] Special						Test Date: 6-12-95		Well No.: 1	
Completion Date: 6-8-95		Total Depth: 3250		Plug Back TD: 3182		Elevation:		Unit Ltr. - Sec. - TWP - Rge.: B 26 26 37	
Csg. Size: 4½	Wt.: 11.6	d: 4.000	Set At: 3250	Perforations: From: 2917	To: 3121			County: Lea	
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 2886	Perforations: From:	To:			Pool: Rhodes	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: None				Formation: Yates	
Producing Thru: Tbg.	Reservoir Temp. °F	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2				Connection: Vented	
L: 2886	H: 2886	Gg: .678	% CO_2: .47	% N_2: 5.75	% H_2S:	Prover:		Meter Run: 3.068	Taps: Flg

	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						360		358		24 Hours
1.	3	X 1.000	30	10.00	60	337		337		1 Hour
2.	3	x 1.000	30	21.00	60	324		324		1 Hour
3.	3	x 1.000	30	40.00	60	310		310		1 Hour
4.	3	x 1.000	30	59.00	60	292		294		1 Hour
5.	3	x 1.000	30	78.00	60	280		282		1 Hour

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.	4.789	20.79	43.2	1.000	1.214	1.004	121
2.	4.789	30.12	43.2	1.000	1.214	1.004	176
3.	4.789	41.57	43.2	1.000	1.214	1.004	243
4.	4.789	50.49	43.2	1.000	1.214	1.004	295
5.	4.789	58.05	43.2	1.000	1.214	1.004	339

NO.	P_r	Temp. °R	T_r	Z
1.	.06	520	1.37	.993
2.	.06	520	1.37	.993
3.	.06	520	1.37	.993
4.	.06	520	1.37	.993
5.	.06	520	1.37	.993

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .678 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: *660 P.S.I.A. P.S.I.A.
Critical Temperature: *378 R R

P_c 373.2 P_c^2 139.3

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		350.2	122.6	16.7
2.		337.2	113.7	25.6
3.		323.2	104.5	34.8
4.		307.2	94.4	44.9
5.		295.2	87.1	52.2

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.669$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.487$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .843$

Absolute Open Flow: 843 Mcfd @ 15.025 | Angle of Slope θ: 47.2 | Slope, n: .928

Remarks: * = CORRECTED TO 5.75% N2

NO FLUID PRODUCED DURING TEST

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