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: S.R. Cooper "A"		
Type Test: [X] Initial [ ] Annual [ ] Special							Test Date: 5-25-95	Well No.: 1	
Completion Date: RE-5-25-95		Total Depth: 3300		Plug Back TD: 3272			Elevation:	Unit Ltr. - Sec. - TWP - Rge.: B 23 -24- 36	
Csg. Size: 5½	Wt.: 14 & 15.5#	d:	Set At: 3300	Perforations: From: 2776	To: 2805			County: Lea	
Tbg. Size: 2-7/8	Wt.: 6.5	d: 2.441	Set At: 2690	Perforations: From: OPEN	To: END			Pool: Jalmat	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2690'				Formation: Tansill-Yates	
Producing Thru: Tbg	Reservoir Temp. °F: 95°@2690'	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2				Connection: Sid Richardson	
L: 2690	H: 2690	Gg: .723	% CO_2: .18	% N_2: 21.6	% H_2S:	Prover:		Meter Run: 4.026	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						990		Pkr		24 Hours
1.	4	X 2.500	17	0.85	64	928		"		1 Hour
2.	4	X 2.500	21	3.65	61	830		"		1 Hour
3.	4	X 2.500	28	9.25	58	620		"		1 Hour
4.	4	X 2.500	28	9.25	58	462		"		1 Hour
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.	32.64	5.07	30.2	.9962	1.176	1.005	195
2.	32.64	11.17	34.2	.9990	1.176	1.005	431
3.	32.64	19.52	41.2	1.002	1.176	1.005	755
4.	32.64	19.52	41.2	1.002	1.176	1.005	755
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.04	524	1.54	.991
2.	.05	521	1.53	.991
3.	.06	518	1.52	.990
4.	.06	518	1.52	.990
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P. I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .723 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: *632 P.S.I.A. P.S.I.A.
Critical Temperature: *340 R R

P_c 1003.2 P_c^2 1006.4

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		941.3	886.0	120.4
2.		843.6	711.7	294.7
3.		635.0	403.2	603.2
4.		477.6	228.1	778.3
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.668$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.538$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.161$

Absolute Open Flow 1,161 Mcfd @ 15.025 | Angle of Slope θ 50 | Slope, n .8419

Remarks: *=Corrected to 21.6% N2

Approved By Division	Conducted By:	Calculated By:	Checked By:
	West-Test, Inc.	B.M.	B.M.