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: Rhodes B Federal				
Type Test: [X] Initial [ ] Annual [ ] Special							Test Date: 11-3-95		Well No.: 2		
Completion Date: 10-30-95		Total Depth: 3150		Plug Back TD: 3135			Elevation: 2995		Unit Ltr. - Sec. - TWP - Rge.: K 26 26 37		
Csg. Size: 4½	Wt.: 11.6	d:	Set At: 3150	Perforations: From: 2925		To: 3098			County: Lea		
Tbg. Size: 2-3/8	Wt.: 4.7	d: 1.995	Set At: 2878	Perforations: From: OPEN		To: END			Pool: Rhodes		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: None					Formation: Yates 7R		
Producing Thru: Tbg	Reservoir Temp. °F: 91°@2878		Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2					Connection: Sid Richardson		
L: 2878	H: 2878	Gg: .699	% CO_2: 6.04	% N_2: 1.51		% H_2S: Trace	Prover:		Meter Run: 4"		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							600		600		24 Hour
1.	4	X	1.750	19		45	465		527		1 Hour
2.	4	X	1.750	20		48	430		521		1 Hour
3.	4	X	1.750	22		51	410		506		1 Hour
4.	4	X	1.750	22		54	385		500		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.							574
2.		MEASURED BY TOTAL FLOW METER					760
3.							1.059
4.							1.246
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.05	505	1.35	.991
2.	.05	508	1.35	.991
3.	.05	511	1.36	.992
4.	.05	514	1.37	.992
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: NONE Deg.
Specific Gravity Separator Gas: .699 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: *643 P.S.I.A. P.S.I.A.
Critical Temperature: *374 R R

P_c 613.2 P_c^2 376.0

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		540.2	291.8	84.2
2.		534.2	285.4	90.6
3.		519.2	269.6	106.4
4.		513.2	263.4	112.6
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.339$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.339$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.160$

Absolute Open Flow: 4,160 Mcfd @ 15.025 | Angle of Slope θ: 45 | Slope, n: 1.000

Remarks: *CORRECTED TO 6.04% CO2 & 1.51% N2
WELL PRODUCED .75 BBLS H20 DURING TEST

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