OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						**Lease or Unit Name** KLEIN			
Type Test [X] Initial [ ] Annual [ ] Special						**Test Date** 05-24-94		**Well No.** 28	
Completion Date 05-13-94	Total Depth 7,549		TVD MD	**Plug Back TD** 7,533		**Elevation** 6,743		**Unit Letter - Sec. - TWN - RNG** M-33-26N-006W	
Csg. Size 4.500	**Wt.** 11	**d** 4.052	**Set At** 7,549	**Perforations:** From 5,115	To 5,224			**County** RIO ARRIBA	
Tbg. Size 2.375	**Wt.** 4.7	**d** 1.995	**Set At** 5,224	**Perforations:** From	To			**Pool** BLANCO	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL DK-MV				**Packer Set At** 3178				**Formation** MESAVERDE	
Prod Thru Tubing	**Resv Temp *F**	**Mean Ann T *F**		**Baro. Press. Pd** 12.20				**Connection**	
L	**H**	**Gg** 0.700	**% CO2** 0.000	**% N2** 0.000	**% H2S**	**Prover**		**Meter Run**	**Taps**

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	**Prover Line Size**	**X**	**Orfice Size**	**Press. p.s.i.g.**	**Diff. hw**	**Temp. F***	**Press. p.s.i.g.**	**Temp. F***	**Press. p.s.i.g.**	**Temp. F***	**Duration of Flow**
SI	2		0.750				605		605		S.I.
1.							115	60	115		1 Hour
2.							65	63	65		2 Hours
3.							50	63	50		3 Hours
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	**Coefficient (24 Hour)**	$\sqrt{h_w P_m}$	**Pressure Pm**	**Flow Temp. Factor Ft.**	**Gravity Factor Fg**	**Super Compress. Factor, Fpv**	**Rate of Flow Q, Mcfd**
1.	11.000		62.2	0.9971	1.1952	1.0000	815.43
2.							
3.							
4.							
5.							

NO.	**Pr**	**Temp. *R**	**Tr**	**Z**
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ **Mcf/bbl.**
API Gravity of Liquid Hydrocarbons _____ **Deg.**
Specific Gravity Separator Gas _____ XXXXXXXXXXXXXXXXXX
Specific Gravity Flowing Fluid XXXXXXX _____
Critical Pressure _____ **P.S.I.A** _____ **P.S.I.A**
Critical Temperature _____ **R** _____ **R**

Pc 617.20 **Pc2** 380,935.84

NO.	**Pt2**	**Pw**	**Pw2**	**Pc2 - Pw2**
1.		62.20	3,868.84	377,067.00
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2}$ = 1.0103 (2) $\left[\frac{Pc2}{Pc2 - Pw2}\right]^n$ = 1.0077

$AOF = Q\left[\frac{Pc2}{Pc2 - Pw2}\right]^n$ = 821.69

Absolute Open Flow 822 **Mcfd @ 15.025** | **Angle of Slope** _____ | **Slope, n** 0.75

Remarks: _____

Approved By Division	**Conducted By:**	**Calculated By:**	**Checked By:**
	JIM MOORING	TANYA ATCITTY	LARRY BYARS