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

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OIL CON. DIV.
DIST. 3

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 12-1-81

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						**Lease or Unit Name** San Juan 28-6 Unit		
Type Test [X] Initial [ ] Annual [ ] Special						**Test Date** 02-21-95	**Well No.** 99M	
Completion Date 01-26-95	Total Depth 7,765	TVD MD	**Plug Back TD**			**Elevation** 6,500	**Unit Letter - Sec. - TWN - RNG** F-24-028N-06W	
Csg. Size 4.500	**Wt.** 11.6	**d** 4.000	**Set At** 7,764	**Perforations:** From 7,566		To 7,744	**County** RIO ARRIBA	
Tbg. Size 2.375	**Wt.** 4.7	**d** 1.995	**Set At** 7,728	**Perforations:** From		To	**Pool** BASIN	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - DK/MV				**Packer Set At** 5967			**Formation** DAKOTA	
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				1463		655		S.I.
1.							139	38	590		1 Hour
2.							121	38	561		2 Hours
3.							111	39	539		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		123.2	1.0208	1.1952	1.0000	1,653.53
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 667.20 **Pc2** 445,155.84

NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		551.20	303,821.44	141,334.40
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 3.1497$ (2) $\left[\frac{Pc2}{Pc2 - Pw2}\right]^n = 2.3643$

$AOF = Q\left[\frac{Pc2}{Pc2 - Pw2}\right]^n = 3,909.40$

Absolute Open Flow 3,909 **Mcfd @ 15.025** **Angle of Slope** _____ **Slope, n** 0.75

Remarks:

Approved By Division	Conducted By:	Calculated By:	Checked By:
	MICK FERRARI	TANYA ATCITTY	LARY BYARS