

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

**RECEIVED
SEP - 8 1994**

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS
DIST. 3**

Operator Meridian Oil, Inc.					Lease or Unit Name SHARP										
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 08-25-94			Well No. 1							
Completion Date 08-18-94		Total Depth 4 810		TVD MD		Plug Back TD		Elevation 5,774		Unit Letter - Sec. - TWN - RNG D-18-028N-008W					
Csg. Size 4 500	Wt. 11	d 4.052	Set At 4,840	Perforations: From 3,137 To 3,276				County SAN JUAN							
Tbg. Size 2.375	Wt. 4 7	d 1.995	Set At 4,755	Perforations: From To				Pool OTERO / BLANCO							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple COMMINGLED					Packer Set At					Formation CHACRA / 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		Duration of Flow				
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. F*	Press. p.s.i.g.	Temp. F*	Press. p.s.i.g.	Temp. F*					
SI	2		0.750				380		632		S.I.				
1.							179	60	557		1 Hour				
2.							170	60	540		2 Hours				
3.							165	60	525		3 Hours				
4.															
5.															
RATE OF FLOW CALCULATIONS															
NO.	Coefficient (24 Hour)	$\sqrt{hw P_m}$	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd								
1.	11.000		177.2	1.0000	1.1952	1.0000	2,329.74								
2.															
3.															
4.															
5.															
NO.	Pr	Temp. *R	Tr	Z	Gas Liquid Hydrocarbon Ratio			Mc/ft/bbl. Deg.							
1.					API Gravity of Liquid Hydrocarbons			XXXXXXXXXXXXXXXXXXXX							
2.					Specific Gravity Separator Gas			XXXXXXXX							
3.					Specific Gravity Flowing Fluid			P.S.I.A							
4.					Critical Pressure			R							
5.					Critical Temperature			R							
Pc 644.20		Pc2 414,993.64													
NO.	Pt2	Pw	Pw2	Pc2 - Pw2	$(1) \frac{Pc2}{Pc2 - Pw2} = \frac{3,2829}{\quad} \quad (2) \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = \frac{2,4389}{\quad}$ $AOF = Q \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = \frac{5,682.02}{\quad}$										
1.		537.20	288,583.84	126,409.80											
2.															
3.															
4.															
5.															
Absolute Open Flow					5,682 Mcfd @ 15.025			Angle of Slope		Slope, n 0.75					
Remarks:															
Approved By Division				Conducted By: JOE GOLDING				Calculated By: TANYA ATCITY				Checked By: LARY BYARS			