/

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: STATE COM	
Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 09-28-93	Well No.: 1R
Completion Date: 10-01-93	Total Depth: 5,896 TVD MD	Plug Back TD	Elevation: 6,270 / Unit Letter - Sec. - TWN - RNG: H-16-030N-007W
Csg. Size: 4.500 / Wt.: 11 / d: K-55 / Set At: 5,896	Perforations: From 4,003 To 5,748		County: RIO ARRIBA
Tbg. Size: 2.375 / Wt.: 4.7 / d: J-55 / Set At: 5,596	Perforations: From To		Pool: BLANCO
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE	Packer Set At: None		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

NO.	Prover Line Size (Flow Data)	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. F°	Tubing Press. p.s.i.g.	Tubing Temp. F°	Casing Press. p.s.i.g.	Casing Temp. F°	Duration of Flow
SI	2 X 6		0.750				492		589		S.I.
1.							190	69	498		1 Hour
2.							184	70	487		2 Hours
3.							172	70	478		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		184.2	0.9905	1.1952	1.0000	2,398.80
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 601.20 Pc2 361,441.44

NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		490.20	240,296.04	121,145.40
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2}$ = 2.9835

(2) $\left[\frac{Pc2}{Pc2 - Pw2}\right]^n$ = 2.2701

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2}\right]^n$ = 5,445.56

Absolute Open Flow 5,446 Mcfd @ 15.025 | Angle of Slope ______ | Slope, n 0.75

Remarks:

Approved By Division	Conducted By:	Calculated By: SUSAN DOLAN	Checked By: DEAN LINGO

RECEIVED
JAN 28 1994
OIL CON. DIV
DIST 3