

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-81

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.										Lease or Unit Name [REDACTED]									
Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 12-28-93									
Completion Date 12-12-93										Well No. [REDACTED]									
Total Depth 8,455										Elevation 7,087									
TVI MD										Plug Back TD 6,455									
Csg. Size 7.000										Perforations: From 3,757 To 3,823									
Wt. 20										County RIO ARRIBA									
d K-55										Pool TAPACITO/BLANCO									
Set At 4,150										Formation PICTURED CLIFFS/MESA VERDE									
Tbg. Size 2 3/8"										Packer Set At None									
Wt. 47										Baro. Press. Pd 12.20									
d J-55										Connection									
Set At 6,455										Meter Run									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple COMMINGLE										Taps									
Prod Thru Tubing										Resv Temp °F									
Mean Ann T °F										Gg 0.700									
L										% CO2 0.000									
H										% N2 0.000									
										% H2S									
										Prover									

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°	Duration of Flow				
1.	2 X 6		0.750				830		927		S.I.				
2.							245	57	840		1 Hour				
3.							240	56	800		2 Hours				
4.							229	56	770		3 Hours				
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		241.2	1.0039	1.1852	1.0000	3,183.46
2.							
3.							
4.							
5.							

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	API Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Method	Deg.
1.											XXXXXXXX	XXXXXXXXXXXXXXXXXXXX
2.											P.S.I.A	P.S.I.A
3.											R	R
4.												
5.												

NO.	Pc	Pc2	Pw	Pw2	Pc2 - Pw2
1.	939.20	882.096.64	782.20	611,836.84	270,259.80
2.					
3.					
4.					
5.					

(1) $\frac{Pc2}{Pc2 - Pw2} = 3.2639$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 7,730.36$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2.4283$

Absolute Open Flow	7,730	Mcfd @ 15.025	Angle of Skips	Slope, n	0.75
Remarks:					

Approved By Division	Conducted By: BURL APPEGATE	Calculated By: SUSAN DOLAN	Checked By: BRUCE VOILES
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RECEIVED
JAN 03 1994
OIL CON. DIV.
DIST. 3