

**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 XXXXXXXXXX							
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-14-93							
Completion Date 11-16-93						Total Depth 6,350		TVD MD		Plug Back TD 6,303		Elevation 7,150	Well No.
Csg. Size 4 1/2"						Wt. 11.8#		Set At K-55		Perforations: From 5,432 To 6,252		Unit Letter - Sec. - TWN - RNG XXXXXXXXXX	
Tbg. Size 2 3/8"						Wt. 4.7		Set At J-55		Perforations: From To		County RIO ARRIBA	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Comminge						Packer Set At None						Formation PICTURED CLIFFS/MESA VERDE	
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 X 6		0.750				1280		1280		SI
1.							238	72	825		1 Hour
2.							186	74	711		2 Hours
3.							160	72	653		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		172.2	0.9887	1.1952	1.0000	2,238.31
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	Mcft/bbl Deg.
1.											XXXXXXXXXXXXXXXXXXXX
2.											
3.											
4.											
5.											

NO.	Pc	Pc2	Pw	Pw2	Pc2 - Pw2
1.	1292.20	1,689,780.84	685.20	442,491.04	1,227,289.80
2.					
3.					
4.					
5.					

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.3605$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2,819.71$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.2597$

Absolute Open Flow	2,820	Mcfd @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:

Approved By Division	Conducted By: BURL APPLGATE	Calculated By: SUSAN DOLAN	Checked By: BRUCE VOILES
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DEC 20 1993
OIL CONSERVATION DIVISION
SANTA FE, N.M.