

**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 [REDACTED]																			
Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 12-28-93																			
Completion Date 12-16-93				Total Depth 6,264				TVD MD		Plug Back TD 6,264				Elevation 6,930				Unit Letter - Sec. - TWN - RNG [REDACTED]											
Csg. Size 4 5/8"		Wt. 12		d K-55		Set At 6,310		Perforations: From 3,614 To 3,665												Country RIO ARRIBA									
Tbg. Size 2 3/8"		Wt. 4.7		d J-55		Set At 6,110		Perforations: From 5,358 To 6,114												Pool TAPACITO/BLANCO									
Type Well - Single - Broderhead - G.G. or G.O. Multiple COMMINGLED										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°	Press. p.s.i.g.	Temp. F°		
SI	2 X 8		0.750						890		980			
1.									263	64	823		1 Hour	
2.									227	62	759		2 Hours	
3.									209	64	720		3 Hours	
4.														
5.														

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure Pm	Flow Temp. Factor FL	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.000		221.2	0.9962	1.1952	1.0000	2,897.10
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	Moftbbl Deg.
1.											
2.											
3.											
4.											
5.											

NO.	Pc	Pt2	Pw	Pw2	Pc2 - Pw2
1.	972.20		732.20	536,116.84	409,056.00
2.					
3.					
4.					
5.					

(1) $\frac{Pc2}{Pc2 - Pw2} = 2.3106$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 5,429.50$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.8741$

Absolute Open Flow	5.430	Mcfd @ 15,025	Angle of Slope	Slope, n	0.75
--------------------	-------	---------------	----------------	----------	------

Remarks:

Approved By Division	Conducted By: DARREN RANDALL	Calculated By: SUSAN DOLAN	Checked By: BRUCE VOILES
----------------------	---------------------------------	-------------------------------	-----------------------------

RECEIVED
JAN 03 1994
OIL CON. DIV.
DIST. 3