

**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 12-18-93									
Completion Date 11-18-93										Well No. [REDACTED]									
Total Depth 9,250										Elevation 7,071									
TVD MD 6,200										Unit Letter - Sec. - TWN - RNG [REDACTED]									
Plug Back TD 6,200										County RIO ARriba									
Csg. Size 4 1/2" WT. 11.6# d K-55 Set At 6,244										Perforations: From 5,464 To 5,996									
Tbg. Size 2 3/8" WT. 4.7 d J-55 Set At 6,014										Perforations: From 3,679 To 3,794									
Type Well - Single - Bradenhead - G.G. or G.O. Multiple COMMINGLE										Packer Set At None									
Prod Thru Tubing										Baro. Press. Pd 12.20									
Resv Temp *F										Mean Ann T *F									
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°	Duration of Flow			
SI	2 X 6		0.750				247		480		S.I.			
1.							143	59	416		1 Hour			
2.							137	59	390		2 Hours			
3.							128	59	379		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		140.2	1.0010	1.1952	1.0000	1,845.06
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	Pw	Pw2	Pc2 - Pw2
1.	492.20	391.20	153,037.44	89,223.40
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 2.7152$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 3,902.68$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2.1152$

Absolute Open Flow	3,903	Mcfd @ 15.025	Angle of Slope	Slope, n	0.75
--------------------	-------	---------------	----------------	----------	------

Remarks:

Approved By Division	Conducted By: GARRY NELSON	Calculated By: SUSAN DOLAN	Checked By: BRUCE VOILES
----------------------	----------------------------	----------------------------	--------------------------

RECEIVED
DEC 20 1993
OIL CON. DIV.
DIST. 3