

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

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FEB 1 01994

Form C-122
Revised 4-1-91

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CON. DIV.

DIST. 3

J-17-26N-03W

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Operator Meridian Oil, Inc.						Lease or Unit Name JICARILLA 98 #10A					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 02-08-94		Well No. 10A			
Completion Date 11-19-93		Total Depth 6,495		TVD MD		Plug Back TD		Elevation 7,128		Unit Letter - Sec. - TWN - RNG J-17-026N-003W	
Csg. Size 4.500	Wt. 12	d K-55	Set At 6,242	Perforations: From 3,810 To 3,877				County RIO ARRIBA			
Tbg. Size 2.375	Wt. 4.7	d J-55	Set At 6,016	Perforations: From 4,760 To 6,044				Pool TAPACITO/BLANCO			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple COMMINGLE						Packer Set At None				Formation PICTURED CLIFFS/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	

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				530	72	620		S.I.
1.							153		605		1 Hour
2.							142	68	589		2 Hours
3.							137	68	584		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		149.2	0.9924	1.1952	1.0000	1,946.68
2.							
3.							
4.							
5.							

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

Pc 632.20	Pc2 399,676.84
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		596.20	355,454.44	44,222.40
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 9.0379$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 10,147.17$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 5.2125$

Absolute Open Flow 10,147 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: BURL APPLIGATE	Calculated By: SUSAN DOLAN	Checked By: BRUCE VOILES
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