

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

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Mendian Oil Inc.				Lease or Unit Name SAN JUAN 30-6 UNIT			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-20-93		Well No. 48R	
Completion Date 09-13-93		Total Depth 6,083		TVG MD MD		Plug Back TD	
Csg. Size 4 500		Wt. 11		d K-55		Set At 6 083	
Tbg. Size 2 375		Wt. 4 7		d K-55		Set At 5 842	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At None		Formation MESAVERDE	
Prod Thru Tubing		Resv Temp *F		Mean Ann T *F		Baro. Press. P'd 12.20	
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°		
1.	2 X 6		0 750				382		451			1 Hour
2.							137	69	427			2 Hours
3.							130	71	400			3 Hours
4.							128	72	396			
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	0 9887	1 1952	1 0000	1 822 36
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	Mcf/bbl Deg.
1.											
2.											
3.											
4.											
5.											

NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		408 20	166 627 24	47 927 00
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 4.4767$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 5.608.57$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 3.0776$

Absolute Open Flow	5 609	Mcfd @ 15.025	Angle of Slope	Slope, n	0.75
Remarks:					

Approved By Division	Conducted By:	Calculated By: SUSAN DOLAN	Checked By: DEAN LINGO
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RECEIVED
JAN 28 1994
OIL CON. DIV
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