

**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 Mendian Oil, Inc.						Lease or Unit Name SAN JUAN 30-6 UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-06-93		Well No. 95X			
Completion Date 09-01-93		Total Depth 6 531		TVD MD		Plug Back TD		Elevation 6 868		Unit Letter - Sec. - TWN - RNG N-26-030N-007W	
Csg. Size 4 500	Wt. 11	d K-55	Set At 6 531	Perforations: From 4 510 To 6 366				County RIO ARRIBA			
Tbg. Size 2 375	Wt. 4 7	d J-55	Set At 6 200	Perforations: From To				Pool BLANCO			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At None				Formation MESAVARDE			
Prod Thru Tubing L		Resv Temp °F H		Mean Ann T °F Gg 0 700		Baro. Press. Pd 12 20		% CO2 0 000		% H2S 0 000	
Prover		% N2 0 000		% H2S 0 000		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				692		720		SI
1.							260	70	650		1 Hour
2.							251	71	632		2 Hours
3.							251	71	622		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		263 2	0 9898	1 1952	1 0000	3 424 37
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.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		634 20	402 209 64	133 907 20
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 4 0036$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 9 692 21$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2 8304$

Absolute Open Flow	9 692	Mcfd @ 15.025	Angle of Slope	Slope, n 0 75
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Remarks:

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