

**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 10-07-93			Well No. 588				
Completion Date 09-21-93		Total Depth # 534		TVD MD		Plug Back TD 9,443			Elevation 6,840		Unit Letter - Sec. - TWN - RNG C-31-030N-006W		
Csg. Size 4 500		Wt. "		d K-55		Set At # 533		Perforations: From 4,576 To 6,352				County RIO ARRIBA	
Tbg. Size 2 375		Wt. 4 7		d J-55		Set At 6,534		Perforations: From To				Pool BLANCO	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At None						Formation MESAVERDE	
Prod Thru Tubing L		Resv Temp °F H		Mean Ann T °F Gg 0.700		Baro. Press. Pd 12.20		% CO2 0.000		% N2 0.000		% H2S Prover	
Connection						Meter Run			Taps				

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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				585		661		S.I.
2.						187	70	626		1 Hour
3.						285	71	578		2 Hours
4.						243	71	578		3 Hours
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		255.2	0.9896	1.1952	1.0000	3,320.29
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.											XXXXXXXXXXXXXXXXXXXX
2.											XXXXXXXXXXXXXXXXXXXX
3.											XXXXXXXXXXXXXXXXXXXX
4.											XXXXXXXXXXXXXXXXXXXX
5.											XXXXXXXXXXXXXXXXXXXX

NO.	Pc	Pt2	Pw	Pw2	Pc2 - Pw2
1.	573.20		590.20	348.336.04	104.862.20
2.					
3.					
4.					
5.					

(1) $\frac{Pc2}{Pc2 - Pw2} = 4.3218$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 9,952.40$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2.9974$

Absolute Open Flow	9,952	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. DIV.
DIST. 3