

**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 29-7 UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-06-93		Well No. 93R			
Completion Date 09-04-93		Total Depth 6,346		TVD MD		Plug Back TD 6,297		Elevation 6,817		Unit Letter - Sec. - TWN - RNG L-02-029N-007W	
Csg. Size 4 5/8	Wt. 12	d K-55	Set At 6,345	Perforations: From 4 446 To 6,135				County RIO ARRIBA			
Tbg. Size	Wt.	d	Set At	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		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				758		770		SI
1.							382	68	730		1 Hour
2.							372	69	709		2 Hours
3.							369	70	700		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		381.2	0.9905	1.1952	1.0000	4.964.30
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. Dsg.
1.											XXXXXXXXXXXXXXXXXXXX
2.											
3.											
4.											
5.											

NO.	Pc	Pt2	Pw	Pw2	Pc2 - Pw2
1.	782.20		712.20	507.228.84	104.808.00
2.					
3.					
4.					
5.					

(1) $\frac{Pc2}{Pc2 - Pw2} = 5.8489$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 18,670.71$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 3.7610$

Absolute Open Flow	18.671	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