

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

STATE OF NEW MEXICO
OIL AND MINERAL DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

N16-29N-7W

Operator Mendian Oil Inc.						Lease or Unit Name SAN JUAN 29-7 UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 01-17-94		Well No. 92			
Completion Date 12-02-93		Total Depth 5 609		TVD MD		Plug Back TD 3 350		Elevation 6 338		Unit Letter - Sec. - TWN - RNG N-16-029N-007W	
Csg. Size 3 500		Wt. 9		d N-80		Set At FLUSH JT		Perforations: From: 3 135 To: 3 285		County RIO ARriba	
Tbg. Size 2 3/8"		Wt. 4 7		d J-55		Set At 3 230		Perforations: From: To:		Pool UNDESIGNATED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At None			Formation PICTURED CLIFFS		
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°	
SI	2 X 5		0 750				955	971	51
1.							342	55	1 Hour
2.							286	65	2 Hours
3.							262	65	3 Hours
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1.	11 000		274 2	0 9952	1 1952	1 0000	3 587 83
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.	Pc	Pc2	Pw	Pw2	Pc2 - Pw2
1.	983 20	956 682 24	434 20	188 529 64	7 18 152 60
2.					
3.					
4.					
5.					

(1) $\frac{Pc2}{Pc2 - Pw2} = 1 2423$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 4 221 78$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1 1787$

Absolute Open Flow	4 222	Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: MARK POULSON	Calculated By: SUSAN DOLAN	Checked By: STEVE MANSUR
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RECEIVED
JAN 25 1994
OIL CON. DIV.
DIST.