

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

DATE OF FIELD WORK
APPROVED MINERAL DEPARTMENT

Form O-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 09-21-93		Well No. 30R							
Completion Date 09-20-93		Total Depth 5 012		TVD MD		Plug Back TD		Elevation 5 407		Unit Letter - Sec. - TWN - RNG A-20-030N-008W				
Csg. Size 4 500		Wt. K-55		Set At 5 012		Perforations: From To		County RIO ARRIBA		Pool BLANCO				
Tbg. Size		Wt.		Set At		Perforations: From To		Formation MESAVERDE		Connection				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packer Set At None					Meter Run		Taps		
Prod Thru Tubing		Resv Temp *F		Mean Ann T *F		Baro. Press. Pd 12.20		Prover						
L		H		Gg 0.700		% CO2 0.000		% N2 0.000		% H2S				
FLOW DATA														
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*	Duration of Flow			
1.	2 X 6		0.750				482	69	561		1 Hour			
2.							186	70	489		2 Hours			
3.							172	70	466		3 Hours			
4.							156	70	432					
5.														
RATE OF FLOW CALCULATIONS														
NO.	Coefficient (24 Hour)	$\sqrt{11w P_{111}}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd							
1.	11.000		158.2	0.9905	1.1952	1.0000	2.19044							
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.														
Pc	573.20	Pc2	328.55824											
NO.	P12	Pw	Pw2	Pc2 - Pw2										
1.		444.20	197.31364	131.24460										
2.														
3.														
4.														
5.														
Absolute Open Flow 4.359 Mcfd @ 15.025												Angle of Slope	Slope, n 0.7	
Remarks:														
Approved By Division												Conducted By:	Calculated By: SUSAN DOLAN	Checked By: DEAN LINGO

RECEIVED
JAN 28 1994
OIL CON. DIV
DIST 2