

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

RECEIVED
NOV - 9 1994

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Mendian Oil, Inc.						Lease or Unit Name Canyon Largo Unit					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-07-94			Well No. 434		
Completion Date 10-31-94		Total Depth 6,541		TVD MD		Plug Back TD		Elevation 6,615		Unit Letter - Sec. - TWN - RNG M-20-025N-06W	
Csg. Size 5.500	Wt. 16	d 4.95	Set At 6,534	Perforations: From 6,396 To 6,440				County RIO ARriba			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6,415	Perforations: From To				Pool BASIN			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At				Formation DAKOTA			
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		0.750				2290		2290		S.I.
1.							138	55	650		1 Hour
2.							88	62	500		2 Hours
3.							67	62	445		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		79.2	0.9981	1.1952	1.0000	1,039.29
2.							
3.							
4.							
5.							

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					API Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A
5.					Critical Temperature	R

Pc 2302.20	Pc2 #####
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		457.20	209,031.84	#####
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.0411$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.071.13$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.0306$

Absolute Open Flow 1.071 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: JOE GOLDING	Calculated By: TANYA ATCITTY	Checked By: LARY BYARS
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