

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

RECEIVED
SEP - 3 1994
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 09-01-94		Well No. 425		
Completion Date 08-25-94		Total Depth 7,323		TVD MD	Plug Back TD 7,278		Elevation 6,825		Unit Letter - Sec. - TWN - RNG M-10-025N-007W
Csg. Size 5 500	Wt. 17	d 4.892	Set At 7,322	Perforations: From 7,021 To 7,246				County RIO ARRIBA	
Tbg. Size 2 375	Wt. 4.7	d 1.995	Set At 6,905	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				1790		1455		S.I.
1.							175	68	840		1 Hour
2.							57	59	260		2 Hours
3.							149	63	510		3 Hours
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{hw P_m}$	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.000		161.2	0.9971	1.1952	1.0000	2,113.29
2.							
3.							
4.							
5.							

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

Pc	1467.20	Pc2	#####
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		522.20	272.692.84	#####
2.				
3.				
4.				
5.				

$$(1) \frac{Pc2}{Pc2 - Pw2} = 1.1451$$

$$(2) \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.1069$$

$$AOF = Q \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2,339.25$$

Absolute Open Flow	2,339 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 ATCITY	Checked By: LARY BYARS
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