

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

RECEIVED
SEP - 8 1994
OIL CON. DIV.
DIST. 3

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Operator Mendian Oil, Inc.						Lease or Unit Name CANYON LARGO UNIT					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 08-31-94		Well No. 415			
Completion Date 08-24-94		Total Depth 7,332		TVD MD		Plug Back TD 7,282		Elevation 6,796		Unit Letter - Sec. - TWN - RNG G-19-025N-006W	
Csg. Size 5.500	Wt. 17	d 4.892	Set At 7.332	Perforations: From 6.994 To 7.138				County RIO ARRIBA			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7.150	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				815		2350		SI
1.							215	65	682		1 Hour
2.							87	65	407		2 Hours
3.							48	64	343		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		60.2	0.9962	1.1952	1.0000	788.45
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 2362.20	Pc2 #####
-------------------	------------------

NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		355.20	126,167.04	#####
2.				
3.				
4.				
5.				

$$(1) \frac{Pc2}{Pc2 - Pw2} = 1.0231$$

$$AOF = Q \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 802.09$$

$$(2) \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.0173$$

Absolute Open Flow 802 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
---	-----------------------	----------------------

Remarks:

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