

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form O-122
Revised 4-1-91
OIL CONSERVATION DIV.
DIST. 9

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						Lease or Unit Name CANYON LARGO UNIT D-17-25N-6W					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 02-25-94		Well No. 144			
Completion Date 02-17-94		Total Depth 7460		TV D MD		Plug Back TD 2900		Elevation 6658		Unit Letter - Sec. - TWN - RNG D-17-025N-006W	
Csg. Size 4500	Wt. 12	d	Set At 7460	Perforations: From 2822 To 2360				County RIO ARRIBA			
Tbg. Size 2375	Wt. 47	d	Set At J-55 2854	Perforations: From To				Pool BALLARD			
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 1220				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 X 6		0.750				544		565		S.I.
1.							94	59	260		1 Hour
2.							80	60	225		2 Hours
3.							75	60	190		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		37.2	1.0000	1.1952	1.0000	1,146.46
2.							
3.							
4.							
5.							

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

NO.	Pc	Pw	Pw2	Pc2 - Pw2
1.	577.20	202.20	40,884.84	292,275.00
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.1399$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1,264.75$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.1032$

Absolute Open Flow	1,265 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
Remarks:			

Approved By Division	Conducted By: JOE GOLDING	Calculated By: SUSAN DOLAN	Checked By: LARY BYARS
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