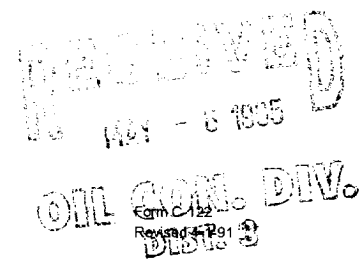


**OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501**

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						Lease or Unit Name BROOKHAVEN COM					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 04-03-95			Well No. 7		
Completion Date 04-02-95		Total Depth 4,850		TVD MD		Plug Back TD		Elevation 5,994		Unit Letter - Sec. - TWN - RNG B-36-027N-08W	
Csg. Size	Wt.	d	Set At	Perforations: From 4,156 To 4,677						County SAN JUAN	
Tbg. Size	Wt.	d	Set At	Perforations: From To						Pool BLANCO	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At				Formation MESAVERDE			
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	Office 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				850		900		S.I.
1.				180			280	75	720		1 Hour
2.				165			265	76	665		2 Hours
3.				178			260	76	630		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		190.2	0.9850	1.1952	1.0000	2,463.03
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 912.20	Pc2 832,108.84
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		642.20	412,420.84	419,688.00
2.				
3.				
4.				
5.				

$$(1) \frac{Pc2}{Pc2 - Pw2} = 1.9827$$

$$AOF = Q \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 4,115.38$$

$$(2) \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.6709$$

Absolute Open Flow 4.115 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: RODGER LANIER	Calculated By: TANYA ATCITY	Checked By: STEVE FLOREZ
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