

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

RECEIVED
FEB 13 1995
Form C-122
Revised 4-1-91
OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.					Lease or Unit Name San Juan 28-6 Unit				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 02-07-95		Well No. 109M		
Completion Date 11-24-94		Total Depth 7,685		TVD MD	Plug Back TD		Elevation 6,485		Unit Letter - Sec. - TWN - RNG J-1-027N-06W
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 7,684	Perforations: From 4,918 To 5,818				County RIO ARRIBA	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5,815	Perforations: From To				Pool BLANCO	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - DK/MV					Packer Set At 5908				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	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				798		885		S.I.
1.							318	61	791		1 Hour
2.							287	63	722		2 Hours
3.							274	63	696		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		286.2	0.9971	1.1952	1.0000	3,752.00
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 P.S.I.A
5.					Critical Temperature	R R

Pc 897.20	Pc2 804.967.84
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		708.20	501,547.24	303,420.60
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 2.6530$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 7,799.44$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2.0787$

Absolute Open Flow 7,799 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: MICK FERRARI	Calculated By: TANYA ATCITTY	Checked By: LARY BYARS
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