

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

RECEIVED
JAN 25 1995

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 01-20-95			Well No. 157M		
Completion Date 12-19-94		Total Depth 7,630 MD		Plug Back TD 7,625		Elevation 6,528		Unit Letter - Sec. - TWN - RNG P-25-027N-06W			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 7.629	Perforations: From 4,855 To 5,612				County RIO ARRIBA			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5.583	Perforations: From To				Pool BLANCO			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - DK/MV				Packer Set At 5690				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				580		580		S.I.
1.							150	63	440		1 Hour
2.							120	63	405		2 Hours
3.							105	63	350		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		117.2	0.9971	1.1952	1.0000	1,536.46
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 592.20	Pc2 350,700.84
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		362.20	131,188.84	219,512.00
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.5976$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2,183.38$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.4210$

Absolute Open Flow 2,183 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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