

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

RECEIVED
FEB 24 1995
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 02-21-95		Well No. 99M		
Completion Date 01-26-95		Total Depth 7,765		TVD MD		Plug Back TD		Elevation 6,500	
Unit Letter - Sec. - TWN - RNG F-24-028N-06W									
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 7,764	Perforations: From 5.011 To 5.939					County RIO ARRIBA
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5,904	Perforations: From To					Pool BLANCO
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - DK/MV				Packer Set At 5967				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.	
1.	2		0.750				655		655	
2.							261	33	590	
3.							255	32	561	
4.							231	32	539	
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{hw^{P_m}}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.000		243.2	1.0281	1.1952	1.0000	3.287.26
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 667.20	Pc2 445,155.84
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		551.20	303,821.44	141,334.40
2.				
3.				
4.				
5.				

$$(1) \frac{Pc2}{Pc2 - Pw2} = 3.1497$$

$$AOF = Q \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 7,771.99$$

$$(2) \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2.3643$$

Absolute Open Flow 7,772 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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