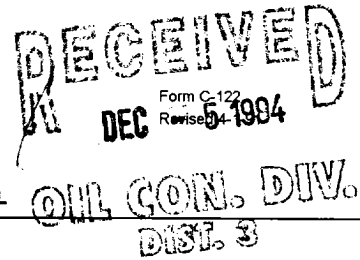


OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

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 Johnston A Com					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-01-94		Well No. 5			
Completion Date 10-31-94		Total Depth 7,450		TVD MD		Plug Back TD		Elevation 6,713		Unit Letter - Sec. - TWN - RNG H-32-026N-06W	
Csg. Size 5.500	Wt. 17	d 4.892	Set At 7,315	Perforations: From 7,140 To 7,444				County RIO ARRIBA			
Tbg. Size 1.500	Wt. 2.9	d 1.61	Set At 7,228	Perforations: From To				Pool BASIN			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - DK/MV				Packer Set At 5500				Formation DAKOTA			
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				2490		2490		S.I.
1.							346	40	346		1 Hour
2.							218	60	218		2 Hours
3.							196	64	196		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		208.2	0.9962	1.1952	1.0000	2,726.84
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

NO.	Pc	Pw	Pw2	Pc2 - Pw2
1.	2502.20	208.20	43,347.24	#####
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.0070$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.0052$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2,741.08$

Absolute Open Flow	2,741	Mcf @ 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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