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

STATE OF NEW MEXICO
ENERGY AND MINERAL DEVELOPMENT

OIL CON. DIV.
DIST. 3

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						Lease or Unit Name San Juan 32-9					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 08-02-94		Well No. #41A			
Completion Date 07-28-94		Total Depth 3,810		TVD MD		Plug Back TD 3,810		Elevation 6,765		Unit Letter - Sec. - TWN - RNG P 31 32N 9W	
Csg. Size 7"	Wt. 23#	d N-80	Set At 4,017	Perforations: From 3,717 To 3,611				County San Juan			
Tbg. Size 1 1/4"	Wt. 1.7#	d J-55	Set At 3,690	Perforations: From To				Pool Blanco Pictured Cliffs			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None				Formation Pictured Cliffs			
Prod Thru Tubing		Resv Temp °F		Mean Ann T °F		Baro. Press. Pd 12.20		Connection			
L	H	Gg 0.691	% 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 x 6		0.750				479		479		S.I.
1.							45	65	340		1 Hour
2.							40	67	321		2 Hours
3.							38	69	292		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		50.2	0.9915	1.2030	1.0000	658.61
2.							
3.							
4.							
5.							

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl. Deg.
1.					API Gravity of Liquid Hydrocarbons	XXXXXXXXXXXXXXXXXXXX
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	P.S.I.A P.S.I.A
4.					Critical Pressure	R R
5.					Critical Temperature	

NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		304.20	92,537.64	148,739.80
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.6221$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 993.58$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.5086$

Absolute Open Flow	994 Mcfd @ 15.025	Angle of Slope	Slope, n 0.85
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Remarks: Light Mist Throughout Test

Approved By Division	Conducted By: Stanley E. Terwilliger	Calculated By: Stanley E. Terwilliger	Checked By: Gary L. Osborne
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