

file these
in MORRIS #100
Name chg to add
Com is coming.

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

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MAY - 7 1996
OIL CON. DIV.
DIST. 3

STA
ENERGY AN

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 MORRIS COM					API Well No. 30045293700											
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5/2/96					Well No. 100											
Completion Date 4/26/96			Total Depth 5,000		TVD MD		Plug Back TD 5,000			Elevation 5894		Unit Letter - Sec. - TWN - RNG F 28 030N 011W									
Csg. Size 4 1/2		Wt. 10.5#		Set At 4947		Perforations: From 4213' To 4825'					County SAN JUAN, NM										
Tbg. Size 2 3/8		Wt. 4.7#		Set At 4811'		Perforations: From To					Pool BLANCO										
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At					Formation MESAVERDE											
Prod Thru TBG		Resv Temp *F		Mean Ann T *F		Baro. Press. Pd 12.20					Connection EPFS										
L 4811		H 4811		Gg 0.6922		% CO2 0.3790		% N2 0.2400		% H2S 0.00		Prover 2" X 3/4 FIXED CHOKE		Meter Run		Tape					
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.	
SI		2"				0.750								1075		71		1075		810	
1.														330		71		810		1 HR	
2.														260		72		720		2 HR	
3.														249		72		655		3 HR	
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				261.2		0.9887		1.2019		1.026		3,503.00							
2.																					
3.																					
4.																					
5.																					
NO.		Pr		Temp. *R		Tr		Z		Gas Liquid Hydrocarbon Ratio		Mcf/bbl.									
1.		0.39		531.67		1.40		0.950		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		1087.20		Pc2		1,182,003.84															
NO.		Pi2		Pw		Pw2		Pc2 - Pw2													
1.				667.20		445,155.84		736,848.00													
2.																					
3.																					
4.																					
5.																					
(1) $\frac{Pc2}{Pc2 - Pw2} = 1.6041$										(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.4254$											
AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 4,993.11$																					
Absolute Open Flow 4,993 Mcfd @ 15.025										Angle of Slope				Slope, n 0.75							
Remarks: Well made about an 1/8 bbl. of oil and oil was flamed, and 1/4 bbl of water.																					
Approved By Division				Conducted By: Gracia Montoya				Calculated By: Dolores Diaz				Checked By: Dean Lingo									