

NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-55

Pool Tapacito Formation Pictured Cliffs County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 9-2-64
Company Socony Mobil Oil Co., Inc. Lease Jicarilla C Well No. 4
Unit C Sec. 7 Twp. 26N Rge. 3W Purchaser El Paso Natural Gas Company
Casing 4½ Wt. 9.5 I.D. _____ Set at 3835 Perf. 3669 To 3698
Tubing 2-3/8 Wt. 4.7 I.D. _____ Set at 3669 Perf. _____ To _____
Gas Pay: From 3669 To 3698 L 3669 xG .73C Est. GL 2678 Bar.Press. 12.0
Producing Thru: Casing _____ Tubing _____ Type Well Single
Date of Completion: 8-24-64 Packer No Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	2"	0.750	302			959	50	959		3 Hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{Q_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		314	1.0098	.9435	1.046	3.870
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 971 P_c² 942.8

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.	720					518.4	424.4		
2.									
3.									
4.									
5.									

Absolute Potential: 7,626 MCFPD; n .85COMPANY Socony Mobil Oil Co., Inc.ADDRESS P.O. Box 778, Farmington, New MexicoAGENT and TITLE R.W. Hensley - Prod. ForemanWITNESSED No

COMPANY _____

cc: MW Kibre (1)

Well File (1)

El Paso Nat. Gas (3)

Mobil, Fmn. (1)

NMOC (4)

REMARKS Well Shut-in 7 days prior to test.