

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Tapacito Formation Pictured Cliffs County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 8-31-64
Company Socony Mobil Oil Co., Inc. Lease Jicarilla B Well No. 7
Unit M Sec. 18 Twp. 26N Rge. 3W Purchaser El Paso Natural Gas Company
Casing 4½ Wt. 9.5 # I.D. _____ Set at 3770 Perf. 3646 To 3674
Tubing 2-3/8 Wt. 4.7 # I.D. 1995 Set at 3664 Perf. _____ To _____
Gas Pay: From 3646 To 3674 L 3664 xG .730 Est. -GL 2675 Bar.Press. 12.0
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 8-23-64 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.	
SI	2"	0.750				1019	1019	
1.			310			310	47	3 Hrs.
2.							548	
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	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		322	1.0127	.9436	1.050	3.995
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1031 P_c 1062.9

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.	560					313.6	749.3		
2.									
3.									
4.									
5.									

Absolute Potential: 5,194 MCFPD; n .85 1.419^{.85} 1.3001
COMPANY Socony Mobil Oil Co., Inc.
ADDRESS P.O. Box 778, Farmington, New Mexico
AGENT and TITLE R.W. Hensley - Prod. Foreman
WITNESSED No
COMPANY _____

Distb: NMOCC (4)
El Paso Nat. Gas Co. (3)
Mobil, Fmn. (1)
MW Kibre (1)
Well File (1)

REMARKS Well Shut-in 7 days prior to test

XERO
COPYXERO
COPYXERO
COPY

OFFICE 000

SEP 15 PM 1 2