

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco PC Formation Pictured Cliffs County Rio Arriba
Initial Yes Annual _____ Special _____ Date of Test 9-19-58
Company Caulkins Oil Company Lease Fresh "F" Well No. MV-12
Unit A Sec. 35 Twp. 27N Rge. 6W Purchaser No Pipe Line
Casing 5½ Wt. 15.5 I.D. 4.950 Set at 3323-5670 Perf. 3214 To 3254
Tubing 1½" Wt. 2.40 I.D. 1.380 Set at 3269 Perf. none To _____
Gas Pay: From 3214 To 3254 L 3269 xG .660 -GL 2158 Bar.Press. 12
Producing Thru: Casing _____ Tubing Yes Type Well Gas - Gas Dual - PC & MV
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 9-19-58 Packer 3300 Reservoir Temp. 102

OBSERVED DATA

Tested Through (PROVER) (Choke) (WELDE) 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.	
1.								
2.								
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.							
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/btl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 943 P_c 889.2

No.	P _w P _c (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.									
2.									
3.									
4.									
5.									

Absolute Potential: 3,546 MCFPD; n (1.849)^{.85} = 1.6839

COMPANY Caulkins Oil Company
ADDRESS Box 967, Farmington, New Mexico
AGENT and TITLE Frank J. [unclear], Field Superintendent
WITNESSED [unclear]
COMPANY Southern Union Gas Company

REMARKS

Shut in tubing pressure of 1000# on Mesa Verde zone remained steady during this test.

