

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Tapacito Formation Pictured Cliff County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 8-6-56
Company Southern Union Gas Company Lease Jicarilla Well No. 2 H
Unit 0 Sec. 17 Twp. 26 N Rge. 4 W Purchaser Southern Union Gas Company
Casing 4 1/2" Wt. 9.5 I.D. _____ Set at 3489 Perf. _____ To _____
Tubing 2" Wt. 4.47 I.D. _____ Set at 3422 Perf. _____ To _____
Gas Pay: From 3428 To 3468 L _____ xG 0.665 -GL _____ Bar.Press. 11.0
Producing Thru: Casing _____ Tubing X Type Well Single gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7-24-56 Packer none Reservoir Temp. Single gas

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.		<u>3/4"</u>	<u>67</u>		<u>65</u>	<u>1084</u>	<u>65</u>	<u>1084</u>		<u>13 days</u>
2.						<u>67</u>		<u>171</u>		<u>3 hours</u>
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.	<u>12.3650</u>		<u>78</u>	<u>0.9952</u>	<u>0.9498</u>	<u>1.009</u>	<u>920</u>
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 1.095 P_c 1175.06
P_w 182

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.						<u>33.12</u>	<u>1141.94</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 943 MCFPD; n 0.85

COMPANY _____

ADDRESS _____

AGENT and TITLE Robt. Heath, Engineer

WITNESSED _____

COMPANY _____

REMARKS _____

