

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Tapiete F. C. Formation Pictured Cliffs County Rio Arriba
 Initial X Annual _____ Special _____ Date of Test Sept. 10, 1956
 Company Southern Union Gas Company Lease Jicarilla Well No. 3-0
 Unit I Sec. 12 Twp. 26 Rge. N Purchaser Southern Union Gas Company
 Casing 5 1/2 Wt. 15.500 I.D. 4.950 Set at 4031 Perf. 4024 To 4050
 Tubing 2 3/8 Wt. 4.70 I.D. 2.0 Set at 4024 Perf. 3994 To 4024
 Gas Pay: From 4024 To 4050 L 3994 xG 0.67 -GL 2676 Bar.Press. 12.0
 Producing Thru: Casing _____ Tubing I Type Well Single Gas
 Single-Bradenhead-G. G. or G.O. Dual _____
 Date of Completion: Sept. 2, 1956 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~PRATE~~) (Choke) (~~NELE~~) 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>375</u>			<u>1056</u>	<u>50</u>	<u>1056</u>	<u>948</u>	<u>3 hours</u>
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.	<u>12.3650</u>		<u>357</u>	<u>1.0019</u>	<u>0.9683</u>	<u>1.042</u>	<u>4727</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 1063 P_w 1140.6
 P_w 960 P_w 941.8

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.						<u>921.6</u>	<u>219</u>		<u>0.898</u>
2.									
3.									
4.									
5.									

Absolute Potential: 19,191 MCFPD; n 0.85

COMPANY Gilbert Nolan
 ADDRESS Southern Union Gas Company
 AGENT and TITLE _____
 WITNESSED _____
 COMPANY _____

REMARKS



