

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Aztec Formation Pictured Cliffs County San Juan
Initial I Annual _____ Special _____ Date of Test July 16, 1956
Company AZTEC OIL & GAS COMPANY Lease Reid Well No. 7
Unit H Sec. 19 Twp. 28-N Rge. 9-W Purchaser Southern Union Gas Company
Casing 5 1/2" Wt. 11# I.D. - - Set at 2101' Perf. 2026' To 2070'
Tubing 1" Wt. 1.7# I.D. - - Set at 2060' Perf. _____ To _____
Gas Pay: From 2026' To 2070 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing I Tubing _____ Type Well Single
Date of Completion: July 9, 1956 Packer None Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (None) 7 day Shut-in 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.	
SI						702		702		
1.		3/4"				342	60	329	60	3 hour
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	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		341	1.0	0.961	1.037	1202
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ $(1-e^{-s})$ P_c 714 P_c^2 509796

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.						116281	393515		
2.									
3.									
4.									
5.									

Absolute Potential: 5593 MCFPD; n .85

COMPANY AZTEC OIL & GAS COMPANY
ADDRESS P.O. Box 786, Farmington, New Mexico
AGENT and TITLE ORIGINAL SIGNED BY BILL R. HASTINGS, Production Engineer
WITNESSED _____
COMPANY _____

REMARKS



CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
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