

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 X Annual _____ Special _____ Date of Test July 7, 1956
Company Aztec Oil & Gas Company Lease Reid Well No. 8
Unit L Sec. 19 Twp. 28-N Rge. 9-W Purchaser Southern Union Gas Company
Casing 5 1/2" Wt. 11# I.D. - - Set at 2145' Perf. 2076' To 2130'
Tubing 1" Wt. 1.7# I.D. - - Set at 2004' Perf. _____ To _____
Gas Pay: From 2076' To 2130' L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: June 30, 1956 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through ~~(Prover)~~ (Choke) ~~(Meter)~~ 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.	
SI						681	681	
1.		3/4"				340	60	3 hour
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.	12.3650		301	1.0	0.961	1.037	3709
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 693 P_c^2 480249

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	$\frac{P_w}{P_c}$
1.						90601	389648		
2.									
3.									
4.									
5.									

Absolute Potential: 1422 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



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