NEW MEXICO OIL CONSERVATION COMMISSION

CORRECTED COPY

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 **3-30-56**

Company **Aztec Oil & Gas** Lease **Hampton** Well No. **2**

Unit **L** Sec. **13** Twp. **30-N** Rge. **11-W** Purchaser **Southern Union Gas Company**

Casing **7"** Wt. **20#** I.D. _____ Set at **2594'** Perf. **2514** To **2538**

Tubing **1"** Wt. **1.7#** I.D. _____ Set at **2563'** Perf. **2542'** To **2553'**

Gas Pay: From **2514** To **2538** L _____ xG **0.65** -GL _____ Bar.Press. _____

Producing Thru: Casing **X** Tubing _____ Type Well **Single - Gas**
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: **3-23-56** Packer **None** Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~Prover~~) (Choke) (~~Orifice~~) **Shut-in 7 days** Type Taps _____

No.	Flow Data (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F.	Tubing Data Press. psig	Temp. °F.	Casing Data Press. psig	Temp. °F.	Duration of Flow Hr.
SI						627		627		
1.		0.750	376		60	492	60	376	60	3 hours
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		388	1.0	0.961	1.043	4807
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 **639** P_c^2 **408.3**

No.	P_w P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$\frac{(F_cQ)^2}{(1-e^{-s})}$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.						150.5	257.8		
2.									
3.									
4.									
5.									

Absolute Potential: **7090** MCFPD; n **0.85**

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 _____

RECEIVED
APR 19 1956
OIL CON. COM.
DIST. 3

REMARKS

Temperature estimate: 60°F
Gravity estimate: 0.65