NEW MEXICO OIL CONSERVATION COMMISSION

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan

Initial _____ Annual _____ Special _____ Date of Test 9/[illegible]/62

Company Aztec Oil and Gas Lease Thompson Well No. [illegible]

Unit D Sec. 28 Twp. 31N Rge. 12W Purchaser _____

Casing 4½ Wt. 9.5 & 11.6 I.D. 4.000 Set at 7200 Perf. 6950 To 7060

Tubing 2⅜ Wt. 4.7 I.D. 1.995 Set at 6852 Perf. 6722 To 6823

Gas Pay: From 6950 To 7060 L 6722 xG _____ GL 7801 Bar.Press. [illegible]

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

Date of Completion: 9/12/62 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through ~~(Prover)~~ (Choke) ~~(Meter)~~ Type Taps _____

No.	Flow Data (~~Prover~~) (Line) Size	(Choke) (~~Orifice~~) Size	Press. psig	Diff. h_w	Temp. °F.	Tubing Data Press. psig	Tubing Data Temp. °F.	Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI						1775		1775		
1.	2"	¾"				149	62 est	389	62 est	3
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		161	1.0000	1.2558	1.0109	[illegible]
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 _____

P_c _____ $(1-e^{-s})$ _____ P_c [illegible]

No.	P_w P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$\frac{(F_c Q)^2}{(1-e^{-s})}$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.	461					[illegible]	2166.28		[illegible]
2.									
3.									
4.									
5.									

Absolute Potential: 1,945 MCFPD; n [illegible]

COMPANY Aztec Oil and Gas

ADDRESS Bowden Bldg. Farmington, New Mexico

AGENT and TITLE O. M. Peterson Partner

WITNESSED _____

COMPANY _____

RECEIVED
SEP 24 1962
OIL CON. COM.
DIST. 3