NEW MEXICO OIL CONSERVATION COMMISSION

Form C-12
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan

Initial X Annual ____ Special ____ Date of Test 6/22/62

Company Aztec Oil & Gas Co Lease Hare Well No. 12-E

Unit B Sec. 15 Twp. 29N Rge. 10W Purchaser ____

Casing 4½ Wt. 9.5 I.D. 4.090 Set at 6304 Perf. 6536 To 6632

Tubing 2⅜" Wt. 4.7 I.D. 1.995 Set at 6484 Perf. Ga Catcher To ____

Gas Pay: From 6536 To 6632 L 6484 xG .700 -GL 4546 Bar.Press. 12.

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

Date of Completion: 6/19/62 Packer ____ Reservoir Temp. ____

OBSERVED DATA

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

No.	Flow Data: (~~Prover~~) (Line) Size	Flow Data: (Choke) (~~Orifice~~) Size	Flow Data: Press. psig	Flow Data: Diff. h_w	Flow Data: Temp. °F.	Tubing Data: Press. psig	Tubing Data: Temp. °F.	Casing Data: Press. psig	Casing Data: Temp. °F.	Duration of Flow Hr.
SI	2"					1037		2033		
1.		¾"				231	60° est	534	60° 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		243	1.000	.9258	1.030	2,865
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 2049 P_c^2 4,198,401

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.						298,116	3900285		
2.									
3.									
4.									
5.									

Absolute Potential: 3027 MCFPD; n .75

COMPANY Aztec Oil & Gas Co

ADDRESS Room 570 Farmington, New Mexico

AGENT and TITLE R. L. Mann District Engineer

WITNESSED ____

COMPANY ____

RECEIVED
JUN 28 1962
OIL CON. COM.
DIST. 3

REMARKS