NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation Dakota County San Juan

Initial X Annual ____ Special ____ Date of Test 11/28/61

Company Aztec Oil & Gas Co. Lease Whitney Well No. 7D

Unit K Sec. 9 Twp. 27N Rge. 9W Purchaser Southern Union Gas Co.

Casing 4 1/2" Wt. 9.5 & 11.6 I.D. 4.090 Set at 6809 Perf. 6619 To 6766

Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 6639 Perf. 6600 To 6603

Gas Pay: From 6619 To 6766 L 6600 xG .700 -GL 4620 Bar.Press. 12

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

Date of Completion: 11/21/61 Packer -- Reservoir Temp. ____

OBSERVED DATA

Tested Through (Meter) (Choke) (Meter)

Type Taps ____

No.	Flow Data (Meter) (Line) Size	Flow Data (Choke) (Meter) 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	Tbg.					2300		2300		Tbg.
1.	2"	3/4"				153	60°(E)	650	60°(E)	3 hrs.
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.	12.365		165	0.9813	.9258	1.026	1902
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 2312 P_c^2 5,345,344

No.	P_w P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$(F_cQ)^2$ $(1-e^{-s})$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	P_w P_c
1.	662					438,244	4907,100		
2.									
3.									
4.									
5.									

Absolute Potential: 2028 MCFPD; n .75

COMPANY Aztec Oil & Gas Company

ADDRESS Box 128 Farmington, New Mexico

AGENT and TITLE R. H. Means Engineer

WITNESSED ____

COMPANY ____

REMARKS

RECEIVED
DEC 1 1961
OIL CON. COM.
DIST. 3