NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
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 7/30/62

Company AZTEC OIL AND GAS Lease CARSON UNIT Well No. B-1

Unit [redacted] Sec. 19 Twp. 29 Rge. 11W Purchaser

Casing 4½ Wt. [redacted] I.D. 4.090 Set at 6229 Perf. 6072 To 6236

Tubing 2⅜ Wt. 4.7 I.D. 1.995 Set at 6070 Perf. 6035 To 6038

Gas Pay: From 6072 To 6236 / 6035 xG .700 = GL 4225 Bar.Press. 12

Producing Thru: Casing Tubing ✓ Type Well SINGLE - GAS

Date of Completion: Packer Single-Bradenhead-G. G. or G.O. Dual

Reservoir Temp.

OBSERVED DATA

Tested Through [redacted] (Choke) [redacted] Type Taps

No.	Flow Data (Prover) (Line) Size	(Choke) [redacted] 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										
1.	2"	¾"				2003		2003		
2.						571	60°F	1217	68°F	3
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.	12.2660		583	1.000	.9258	1.077	7,188
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.

Gravity of Liquid Hydrocarbons deg.

P_c $(1-e^{-s})$

Specific Gravity Separator Gas

Specific Gravity Flowing Fluid

P_c 2015 P_c^2 4,060,225

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.	1339					1,510,441	2,549,784		.812
2.									
3.									
4.									
5.									

Absolute Potential: 10,189 MCFPD; n .75

COMPANY Aztec Oil and Gas Company

ADDRESS Drawer 570 Farmington, New Mexico

AGENT and TITLE W. H. Mann District Engineer

WITNESSED

COMPANY

RECEIVED
AUG 2 1962
OIL CON. COM.
DIST. 3

REMARKS