NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool	Formation	County
Blanco Mesaverde	Mesaverde	San Juan

Initial	Annual	Special	Date of Test
X			7/26/66

Company	Lease	Well No.
Aztec Oil and Gas	Culpepper Martin	15

Unit	Sec.	Twp.	Range	Purchaser
H	21	32N	12W	Southern Union Gathering

Casing	Wt	I.D.	Set at	Perf.	To
7-5/8 4-1/2	26.4 11.6	6.969 4.000	4718 4569-7240	4846	4897

Tubing	Wt.	I.D.	Set at	Perf.	To
1½	2.75	1.610	7014		

Gas Pay:	From	To	L	G	GL	Bar. Press.
	4846	4897	4846	.700(est.)		

Producing Through:	Casing	Tubing	Type Well — Single — Braden head — G.G. or G.O. Dual
	X		CG Dual

Date of Completion	Packer	Reservoir Temp.
7/11/66	7014	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

	FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	HR.
SI			7 days					866		
1.	2"	3/4"						592	60(est)	3 hr
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-MCF P D @ 15.025 psia
SI							
2.	12.365		604	1.000	.9258	1.082	7481
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ $(1-e^{-S})$ _____ P_c 878 P_c^2 770,884

RECEIVED
AUG 11 1966
OIL CON. COM.
DIST. 3

No.	P_w / P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.		FLN				364,816	406,068		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 12,100 MCFPD; n 175

COMPANY Aztec Oil and Gas WITNESSED _____

ADDRESS Drawer 570 Farmington, New Mexico COMPANY _____

Original Signed By
AGENT AND TITLE Carl E. Jameson
District Engineer