NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Pool	Formation	County
Blanco Mesaverde	Mesaverde	San Juan

Initial	Annual	Special	Date of Test
X			3/15/66

Company	Lease	Well No.
Aztec Oil & Gas Company	Davis	2

Unit	Sec.	Twp.	Range	Purchaser
P	11	31N	12W	Southern Union Gathering System

Casing	Wt.	I.D.	Set at	Perf.	To
3½"	6.5	3.12	5464	5218	5288

Tubing	Wt.	I.D.	Set at	Perf.	To
1½	2.75	1.61	5260	@ 5260	

Gas Pay: From	To	L	S	GL	Bar. Press.
	5218	5288	5260	.700 (est)	3682

Producing Through:	Casing	Tubing	Type Well – Single – Bradenhead – G.G. or G.O. Dual
		X	Single gas

Date of Completion	Packer	Reservoir Temp.
3/8/66	None	

OBSERVED DATA

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

No.	FLOW DATA (Line) Size	FLOW DATA (Choke) Size	Press. psig.	Diff. hw	Temp. °F.	TUBING DATA Press. psig.	TUBING DATA Temp. °F.	CASING DATA Press. psig.	CASING DATA Temp. °F.	DURATION OF FLOW HR.
SI.		7 days				758		758		
1.	2"	3/4"				171	60° (est)	686		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-MCFD @ 15.025 psia
1.	12.365		183	1.000	.9258	1.034	2166
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

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

P_c _____ $(1-e^{-s})$ _____ P_c 770 P_c^2 592,900

No.	P_w or P_t psia	P_t^2	$P_c^2 - P_w^2$	$\frac{P_c^2 - P_w^2}{P_c^2}$	$(P_c^2 - P_w^2)(1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	698					487,204	105,696		
2.									
3.									
4.									
5.									

RECEIVED
MAR 17 1966
OIL CON. COM.
DIST. 3

ABSOLUTE POTENTIAL: 7,895 MCFPD; n .75

COMPANY Aztec Oil & Gas Company WITNESSED _____

ADDRESS P. O. Drawer 570, Farmington, N. Mex. COMPANY _____

AGENT AND TITLE Carl E. Jameson

Carl E. Jameson, District Engineer