

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Revised 12-1-55

Jill

Pool Blanco Mesaverte		Formation Mesaverte		County San Juan	
Initial X	Annual	Special	Date of Test 5/31/66		
Company Aztec Oil and Gas		Lease Culpepper Martin		Well No. 3	
Unit N	Sec. 33	Twp. 32N	Range 12W	Purchaser Southern Union Gathering	
Casing 4 1/2	Wt. 10.5 & 11.6	LL 4.000	Set at 7120	Perf. 4743	To 4996
Tubing 1 1/2	Wt. 2.75	LL 1.610	Set at 6870	Perf. open ended	To 6870
Gas Fry:	From 4743	To 4996	LL 4743	GL .700 (est.)	Bar. Press. 3320
Producing Through:		Casing X	Tubing	Type Well - Single - Broken head - G.G. or L. - GG Dual	
Date of Completion 5/15/66		Perf. 6870	Reservoir Temp. NA		

OBSERVED DATA

Observed							Type of Tests		
Tested Through		Prover ☐		Tick ☒		Meter ☐			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR
	(Inner) Line Size	(Outer) (Port) Size	Press. psia	Date, Day	Temp. °F	Press. psia	Temp. °F	Press. psia	
	2"	3/4"	7 days			1679		763	
						1699	60 (est)	414	60 (est)
									3 hr

FLOW CALCULATIONS

Effluent (24 Hour)	$\sqrt{h_w F_t}$	Pressure, psia	Flow, gal/min	Gravity Factor ρ_g	Compress. Factor Z	Rate of Flow, MCF/D
12.365		426	1.000	.9258	1.054	5140

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.
 Specific Gravity Separator Gas _____
 Density of Liquid Hydrocarbons _____ den.
 Specific Gravity Flowing Fluid _____
 P_c _____ P_c^2 _____

P_w psia	P_t^2	P_c^2	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
FLH								

ABSOLUTE POTENTIAL: _____ MCFPD, D _____

COMPANY **Aztec Oil and Gas Company** WITNESSED _____

ADDRESS **Drawer 570, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE *Cecil Limmer*
District Engineer

