

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

Form 14-12
Revised 12-1-55

Pool Basin Dakota			Formation Dakota			County San Juan		
Initial X		Annual		Special		Date of Test 2/18/66		
Company Aztec Oil & Gas Company			Lease Jernigan			Well No. 3		
Unit H	Sec. 24	Twp. 27N	Range 9W		Purchaser El Paso Natural Gas Company			
Casing 5 1/2"	Wt. 14 & 15.5	I.D. 4.950	Set at 6622		Perf. 6362		To 6514	
Tubing 2-3/8"	Wt. 4.7	I.D. 1.995	Set at 6300		Perf. 6305			
From 6362		To 6514		GL 6305		Bar. Press. 4414		
Gas pay: 6362		6514		6305		.700 (est)		
Producing Through:		Casing		Tubing X		Type Well - Single - Brd. head - G.G. or G.G. Dual G. G. Dual		
Date of Completion 2/10/66		Packer 6300		Reservoir Temp. -				

OBSERVED DATA

Produced Through:		Prover ☐	Choke ☒	Meter ☐	Type of Test					
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	XXXXXX (Inch) Size	(Choke) XXXXXX Size	Press. psig.	Diff. Pw	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
1.	8 days					2133				3 hr.
2.	2"	3/4"				443	60° est.			
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Efficient (1/ Hour)	$\sqrt{P_w - P_c}$	Pressure Loss	Flow Temp. Factor F_t	Gravity Factor F_g	Gas Press. P_g	Rate of Flow (1000 cu ft @ 14.7 psia)
1.	12.365		455	1.000	.9258	1.058	5511
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ of/nhl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ de l. Specific Gravity Flowing Fluid _____
 P_c _____ (1-e⁻⁸) P_c _____ F_c^2 _____

No.	$\frac{P_w - P_c}{P_c}$ psia	P_c^2	$\frac{1}{P_c}$	$(\frac{P_w - P_c}{P_c})^2$	$(P_c Q)^2 (1-e^{-8})$	$\frac{P_w - P_c}{P_c}$	$\frac{P_c^2 - P_w^2}{P_c^2}$	Cal P_w	$\frac{P_w}{P_c}$
1.									
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: _____ MCFPD; D _____

COMPANY Aztec Oil & Gas Company WITNESSED _____

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

AGENT AND TITLE Carl E. Jameson, District Engineer

