

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

Form C-122
Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial X		Annual		Date of Test 7/19/66	
Company Aztec Oil and Gas		Lease Hubbard		Well No. 3	
Unit A	Sec. 15	Twp. 32N	Range 12W	Purchaser Southern Union Gathering	
Casing 7-5/8 4-1/2	Wt. 26.4 11.6	I.D. 6.969 4.000	Set at 4860 4707-7410	Perf. 7220	To 7332
Tubing 1 1/2	Wt. 2.75	I.D. 1.61	Set at 7170	Perf. open ended @ 7175	To
Gas Pay:	From 7220	To 7332	L 7175	G .700(est.)	GL 5019
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual GG Dual	
Date of Completion 7/12/66		Packer 7170		Reservoir Temp.	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
3.			7 days			1449				3 hr
1.	2"	3/4"				105	60(est)			
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 PD @ 15.025 psia
1.	12.365		117	1.000	.9258	1.012	1355
2.							
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 **1646** (1-e^{-S}) **.306** P_c **1401** P_c² **2,114,421**

No.	$\frac{P_w}{P_t}$ 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	$\frac{P_w}{P_c}$
1.	117	13,689	22,303	497,424	152,212	174,515	1,960,006	418
2.								
3.								
4.								
5.								

ABSOLUTE POTENTIAL: **1444** MCFPD; n **175**

COMPANY **Aztec Oil and Gas** WITNESSED _____

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

AGENT AND TITLE **Carl E. Jamison**
District Engineer

