

**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		Special		Date of Test 7/19/66		
Company Aztec Oil and Gas				Lease Gulpepper Martin			Well No. 15	
Unit H	Sec. 21	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 4718 4569-7240		Perf. 7060		To 7214	
Tubing 1 1/2	Wt. 2.75	I.D. 1.61	Set at 7014		Perf. open ended @ 7019		To	
Gas Pay: 7060		From 7214	To 7014	L .700 (est)	G 4910	GL	Bar. Press.	
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual GG Dual			
Date of Completion 7/11/66		Packer 7014		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.	
1.	2"	3/4"	7 days			1679				3 hr
2.						136	60(est)			
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
1.	12.365		148	1.000	.9258	1.017	1723
2.							
3.							
4.							
5.							

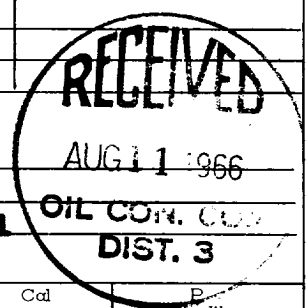
PRESSURE CALCULATIONS

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

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

F_c **16.46** (1-e^{-S}) **.300** P_c **1691** P_c² **2,859,481**

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	$P_c^2 - P_w^2$	Cd P _w	$\frac{P_w}{P_c}$
1.	148	21.904	28.36	804.290	241.287	263,191	2,596,290	563	
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **1852** MCFPD; n **175**

COMPANY **Aztec Oil and Gas** WITNESSED _____

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

AGENT AND TITLE **Original Signed By**
Carl E. Jameson
District Superintendent