

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Aztec Formation Pictured Cliffs County San Juan
 Initial X Annual _____ Special _____ Date of Test 11/14/61
 Company Aztec Oil & Gas Co. Lease Cain Well No. 17
 Unit B Sec. 31 Twp. 29N Rge. 9W Purchaser Southern Union Gas Co.
 Casing 2 7/8 Wt. 6.5 I.D. 2.149 Set at 2199 Perf. 2098 To 2140
 Tubing _____ Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
 Gas Pay: From 2098 To 2140 L. 2098 X 65 (sc) GL 1364 Bar. Press. 12
 Producing Thru: Casing X Tubing _____ Type Well Single Gas
 Date of Completion: 11/16/61 Packer None Single-Bradenhead-G. G. or G.O. Dual
 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Regulator) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Power) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.	2"	3/4"						634		2 days
2.								202	60 (sc)	3 days
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _Q	Gravity Factor F _G	Compress. Factor F _{PV}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		214	1.009	.9608	1.022	2.598
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ (1-e⁻⁸)

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 646 P_c 417,316

No.	P _w P _c (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)	P _w ²	P _c ² -P _w ²	Cal. P _c	P _c P _c
1.	214					45,796	371,520		
2.									
3.									
4.									
5.									

Absolute Potential: AOE - 2868 MCFPD; .85

COMPANY Aztec Oil & Gas Co.

ADDRESS Drawer 370 Farmington, N.M.

AGENT and TITLE

WITNESSED

COMPANY

B. H. Means, Dist. Engineer

