

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Juan
 Initial _____ Annual _____ Special _____ Date of Test 4-17-62
 Company Aztec Oil & Gas Co. Lease Hare Well No. 15-D
 Unit M Sec. 3 Twp. 29 N Rge. 10 W Purchaser _____
 Casing 4 1/2" Wt. 9.5+11.6 I.D. 4.00 Set at 6860 Perf. 6689 To 6838
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 6643 Perf. P.L. Collar To 6643
 Gas Pay: From 6689 To 6838 L 6643 x3 700 est -GL 4650 Bar. Press. 12
 Producing Thru: Casing _____ Tubing ✓ Type Well Single - Gas
 Single-Bradenhead-G. G. or G.O. Deal
 Date of Completion: 4-10-62 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Meter)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Packer) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	7 days					1951		1964		
1.	2"	3/4"				156	60'est	207	60'est	3 hours
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		168	1.000	.9258	1.020	2618
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_c _____ (1-e^{-B})

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1976 P_c 39045.76

No.	P _w P _t (psia)	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ^{-B})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	219					47961	3856615		
2.									
3.									
4.									
5.									

Absolute Potential: 2641 MCFPD; n .75

COMPANY

ADDRESS

AGENT and TITLE

WITNESSED

COMPANY

Aztec Oil & Gas Company

P. O. Drawer 570

Farmington, New Mexico

REMARKS

