

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-12
Revised 12-1-5

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation Dakota County San Juan
 Initial ✓ Annual _____ Special _____ Date of Test 11/13/61
 Company Aztec Oil & Gas Co. Lease McDermott Well No. C-1
 Unit B Sec. 19 Twp. 29N Rge. 11W Purchaser Southern Union Gas Co.
 Casing 4 1/2 Wt. 11.6 I.D. 4.090 Set at 6430 Perf. 6161 To 6282
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 6128 Perf. _____ To _____
 Gas Pay: From 6161 To 6282 L 6128 xG .700 GL 4290 Bar.Press. 12
 Producing Thru: Casing _____ Tubing X Type Well Single-Bradenhead-G. G. or G.O. Dual
 Date of Completion: 11/13/61 Packer None Reservoir Temp. 144° F

OBSERVED DATA

Tested Through (~~Reamer~~) (Choke) (~~Reamer~~)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Reamer) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	2"	3/4"				1918		1915		3 Days
2.						412	60°(E)	885	60°(E)	3 Hr.
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	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		424	1.000	.9258	1.054	5116
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 °C _____ (1-e⁻⁸)
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1917 P_c² 3,713,249

No.	P _w P _t (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 _w	P _w P _c
1.	897					804,609	2,908,640		
2.									
3.									
4.									
5.									

Absolute Potential: 6145 MCFPD; n .75
 COMPANY Aztec Oil & Gas Co.
 ADDRESS 510, Farmington, N.M.
 AGENT and TITLE S. H. Williams E. H. Williams
 WITNESSED _____
 COMPANY _____

REMARKS

