

MULTI-POINT BACKFLOW TEST FOR GAS WELLS

Pool Aztec Location Pictured Cliffs County San Juan
Initial I Annual _____ Serial _____ Date of Test 4-21-56
Company Aztec Oil & Gas Company Lease Hare Well No. 5
Unit N Sec. 10 Twp. 29-N Rge. 10-W Purchaser _____
Casing 5 1/2" Wt. 11# I.D. - - Set at 2290 Perf. 2206 To 2216
Tubing 1" Wt. 1.7# I.D. - - Set at 2224 Perf. 2203 To 2214
Gas Pay: From 2206 To 2216 L _____ M _____ G _____ Bar. Press. _____
Producing Thru: Casing I Tubing _____ Type of Flow Single - Gas
Date of Completion: 4-13-56 Packer None Single-Gradient-G. O. or G.O. Dual _____
Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 7 Day shut-in Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.		<u>3/4</u>				<u>695</u>		<u>695</u>		<u>3 hours</u>
2.						<u>85</u>	<u>60</u>	<u>88</u>	<u>60</u>	
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_F}$	Pressure psia	Flow Temp. Factor	Gravity Factor	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>12.3650</u>		<u>100</u>	<u>1.0</u>	<u>.961</u>	<u>1.014</u>	<u>1205</u>
2.							
3.							
4.							
5.							

Gas and Liquid Hydrocarbon Data _____ Separator Gas _____
Gravity of Liquid Hydrocarbons _____ Flowing Fluid _____
F_c 11-5-56 707 499.8

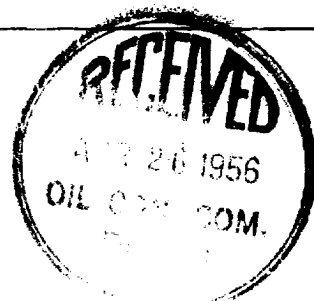
No.	P _w (psia)	Q _{sc} (MCFPD)	Cal. P _w	P _w / P _c
1.				
2.		<u>10</u>	<u>489.8</u>	
3.				
4.				
5.				

Absolute Potential: 1225 MCFPD; n 0.85
COMPANY AZTEC OIL & GAS COMPANY
ADDRESS P O BOX 786, FARMINGTON, NEW MEXICO
AGENT and TITLE _____, Production Engineer
WITNESSED _____
COMPANY _____

REMARKS

Temperature estimate: 60 degrees F

Gravity estimate: 0.65



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