

CORRECTED COPY

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Astec Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 3-30-56
Company Astec Oil & Gas Lease Hampton Well No. 2
Unit L Sec. 13 Twp. 30-N Rge. 11-W Purchaser Southern Union Gas Company
Casing 7" Wt. 20# I.D. _____ Set at 2594' Perf. 2514' To 2538'
Tubing 1" Wt. 1.7# I.D. _____ Set at 2563' Perf. 2512' To 2553'
Gas Pay: From 2514' To 2538' L _____ xG 0.65 -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single - Gas
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 3-23-56 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Remove) (Choke) (Restrict) Shut-in 7 days 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.	
SI								
1.		<u>0.750</u>	<u>376</u>		<u>60</u>	<u>627</u>	<u>60</u>	<u>3 hours</u>
2.								
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.	<u>12.3650</u>		<u>388</u>	<u>1.0</u>	<u>0.961</u>	<u>1.043</u>	<u>4807</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

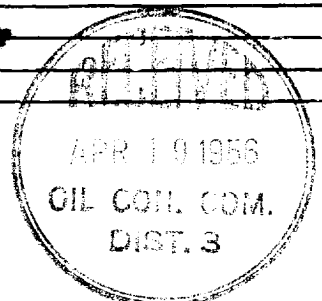
Gas Liquid Hydrocarbon Ratio _____ scf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ $(1-e^{-S})$
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 F_c 639 P_c^2 408.3

No.	P_w P_t (psia)	P_c^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2$ $(1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.						<u>150.5</u>	<u>257.8</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 7090 MCFPD; n 0.85
COMPANY AZTEC OIL & GAS COMPANY
ADDRESS P O Box 786, Farmington, New Mexico
AGENT and TITLE ORIGINAL SIGNED BY BILL R. HASTINGS, Production Engineer
WITNESSED _____
COMPANY _____

REMARKS

Temperature estimate: 600°
Gravity estimate: 0.65



100-443887-100

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

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