

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Fulcher Data Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test _____
Company Astec Oil & Gas Company Lease Embs Well No. 12-3
Unit K Sec. 7 Twp. 27N Rge. 9W Purchaser _____
Casing 2 7/8 Wt. 6.50 I.D. 2.441 Set at 2510 Perf. 2508 To 2552
Tubing _____ Wt. _____ I.D. _____ Set at _____ Perf. _____ To _____
Gas Pay: From 2502 To 2552 L 2502 xG 0.65 -GL 1685 Bar.Press. 12
Producing Thru: Casing X Tubing _____ Type Well Single
Date of Completion: 6/12/60 Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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.	
SI		<u>0/75</u>						<u>2508</u>	<u>60</u>	<u>1.15</u>
1.										
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
	<u>12.32</u>		<u>188</u>	<u>1.0000</u>	<u>0.9688</u>	<u>1.004</u>	<u>1783</u>
1.							
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c _____ (1-e^{-S})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 31305 P_c _____

No.	P _w P _w (psia)	P _t 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	P _w / P _c
1.	<u>188</u>	<u>35344</u>	<u>0.807</u>	<u>07.051</u>	<u>10.071</u>	<u>35344</u>	<u>91400</u>	<u>188</u>	
2.									
3.									
4.									
5.									

Absolute 1942 MCFPD; n 0.95
COMPANY Astec Oil & Gas Company
ADDRESS Box 4 570, Farmington, New Mexico
AGENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS L. M. Stevens, Dist. Eng.
WITNESSED _____
COMPANY _____

REMARKS



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