

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Fulcher-Kuts Extension Formation Pictured Cliffs County San Juan
Initial X Annual _____ Special _____ Date of Test 6-20-56
Company Aztec Oil & Gas Company Lease McClanahan Well No. 7
Unit B Sec. 23 Twp. 28 Rge. 10 Purchaser Southern Union Gas Company
Casing 5 1/2" Wt. 14# I.D. _____ Set at 1904 Perf. 1840 To 1880
Tubing 1" Wt. 1.7# I.D. _____ Set at 1858 Perf. 1837 To 1847
Gas Pay: From 1835 To 1880 L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing X Tubing _____ Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 6-12-56 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (Source) (Choke) (Meter) 8 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.	
SI						670	60	
1.		3/4"				335	300	3 hour
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.	12.3650		312	1.0	.961	1.017	1845
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

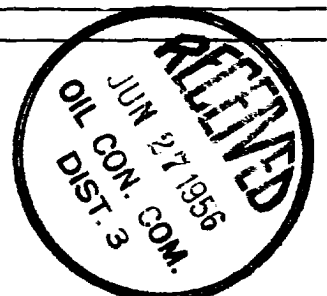
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ $(1-e^{-s})$ Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
 P_c _____ P_c^2 _____

No.	P_w P_c (psia)	F_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.	312					97,344	367,780		
2.									
3.									
4.									
5.									

Absolute Potential: 1711 MCFPD; n .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



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Exploration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒