

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BASIN Formation DAKOTA County SAN JUAN
 Initial _____ Annual _____ Special _____ Date of Test 4/27/64
 Company ATEC Oil & Gas Lease GRENIER Well No. A-4
 Unit M Sec. 26 Twp. 30N Rge. 10E Purchaser _____
 Casing 4 1/2 Wt. 9540 I.D. 4.000 Set at 7262 Perf. 7011 To 7130
 Tubing 2 3/8 Wt. 47 I.D. 1.995 Set at 7002 Perf. Per Casing To _____
 Gas Pay: From 7011 To 7130 L 7002 X 700 GL 4901 Bar. Press. 12
 Producing Through Casing _____ Tubing _____ Type Well SINGLE - GAS
 Single-Bradenhead G. G. or G.O. Dual _____
 Date of Completion: 4/20/64 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Packer) (Choke) (Motor)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Packer) (Line) Size	(Choke) (Casing) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						2025		2025		
1.	2"	2 1/2"				190	60°F	690	60°F	3
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 _{pr}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		202	1.000	.9258	1.0258	2370
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 2032 P_c 4149.369

No.	P _w P _t (psia)	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.	652					425,104	3,724,265		
2.									
3.									
4.									
5.									

Absolute Potential: 2570 MCFPD; n .75

COMPANY ATEC Oil & Gas
 ADDRESS Denver 570 Farmington, New Mexico
 AGENT and TITLE B. A. Meador DISTRICT ENGINEER
 WITNESSED _____
 COMPANY _____

REMARKS

