

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool BASIN Formation PAKOTA County SAN JUAN  
 Initial \_\_\_\_\_ Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 3/30/64  
 Company ARTEL OIL & GAS Lease Grenier Well No. 3-A  
 Unit G Sec. 34 Twp. 30N Rge. 10W Purchaser \_\_\_\_\_  
 Casing 4 1/2 Wt. 9.5-10.5 I.D. 4.000 Set at 7118 Perf. 6852 To 7044  
 Tubing 2 7/8 Wt. 4.7 I.D. 1.995 Set at 6864 Perf. Per Casing To \_\_\_\_\_  
 Gas Pay: From 6852 To 7044 L. 6864 XG. 700 Int. GL. 4805 Bar. Press. 12  
 Producing Thru: Casing: \_\_\_\_\_ Tubing:  Type Well SINGLE  
 Single-Bradenhead-G. G. or G.O. Dual \_\_\_\_\_  
 Reservoir Temp. \_\_\_\_\_  
 Date of Completion: 3/23/64 Packer \_\_\_\_\_

OBSERVED DATA

Tested Through (~~\_\_\_\_\_~~) (Choke) (~~\_\_\_\_\_~~) Type Taps \_\_\_\_\_

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h <sub>w</sub>	Temp. °F.	Press. psig	Temp. °F.	
SI						1977	1978	
1.	2"	7/8"				142	160	3 hrs
2.								
3.								
4.								
5.								

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		154	1.000	.9258	1.019	1796
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.  
 Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.  
 P<sub>c</sub> \_\_\_\_\_ (1-e<sup>-s</sup>)  
 Specific Gravity Separator Gas \_\_\_\_\_  
 Specific Gravity Flowing Fluid \_\_\_\_\_  
 P<sub>c</sub> 1990 P<sub>c</sub> 3,960/100

No.	P <sub>w</sub> P <sub>t</sub> (psia)	P <sub>t</sub> <sup>2</sup>	P <sub>c</sub> Q	(P <sub>c</sub> Q) <sup>2</sup>	(P <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Cal. P <sub>w</sub>	P <sub>w</sub> /P <sub>c</sub>
1.	525					275,625	3,684,478		
2.									
3.									
4.									
5.									

Absolute Potential: 1896 MCFPD; n .75

COMPANY ARTEL OIL & GAS  
 ADDRESS Drawer 520 Farmington, New Mexico  
 AGENT and TITLE B. A. Means DISTRICT ENGINEER  
 WITNESSED \_\_\_\_\_  
 COMPANY \_\_\_\_\_

REMARKS

