

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Falcher Mesa Pictured Cliffs			Formation Pictured Cliffs			County San Juan		
Initial X		Annual		Special		Date of Test 4-1-65		
Company Artes Oil & Gas Company				Lease NR10K			Well No. 2	
Unit D	Sec. 19	Twp. 23N	Range 10W		Purchaser Southern Union Gas Company			
Casing 3-1/2	Wt. 7.7	I.D. 3.066	Set at 2800		Perf. 1897		To 1994	
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at		Perf.		To	
Gas Pay:	From 1897	To 1994	L	G	GL	Bar. Press.		
Producing Through:			Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas		
Date of Completion 3-25-65		Packer None			Reservoir Temp.			

OBSERVED DATA

Tested Through:						Prover ☐		Choke ☒		Meter ☐		Type of Taps	
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.			
No.	Size (Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.				
1.	2"	3/4	7 days			219	60°(est)	219	187	60°(est)	3 Hour		
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-MCF P D @ 15,025 psia
1.	12.35		43	1.000	.9858	1.000	402
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ (1-e^{-S}) P_c **231** P_c² **53361**

No.	$\frac{P_w}{P_t}$ 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	$\frac{P_w}{P_c}$
1.						4361	9609		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2181** MCFPD; n **.85**

COMPANY **Artes Oil & Gas Company** WITNESSED _____

ADDRESS **Drewer #270** COMPANY _____

AGENT AND TITLE **Original Signed By**
Carl E. Jameson **Carl E. Jameson**
District Engineer

