

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

Form C-122

Revised 12-1-55

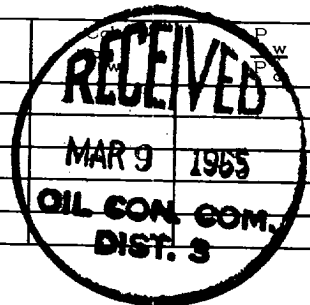
Pool Fulcher Hole F.G.				Formation Pictured Cliffs				County San Juan			
Initial X		Annual		Special		Date of Test 3-5-63					
Company Artes Oil & Gas Company				Lease WALKER				Well No. 2			
Unit D	Sec. 3	Twp. 29N	Range 18W		Purchaser Southern Union Gas						
Casing 3-1/2	Wt. 7.7	I.D. 3.068	Set at 1974		Perf. 1875		To 1900				
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 1886		Perf. 1806		To 1834				
Gas Pay: From 1875		To 1900		L 1875		G .700(est)		GL 1313		Bar. Press.	
Producing Through:		Casing X		Tubing		Type Well - Single - Braden head -- G.G. or G.O. Dual Single Gas					
Date of Completion 2-25-63		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.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		
1.	2"	3/4	7 days			825	600(est)	285		1 hour
2.						115		69		
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.	12.363		61	1.000	.5278	1.005	933
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 237 P _c ² 56,169			

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
1.	130					16,900	39,269
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: **1265** MCFPD; n **.85**

COMPANY **Artes Oil & Gas Company** WITNESSED _____ Original Signed By **Carl E. Jameson**

ADDRESS **Drewer #570** COMPANY _____

AGENT AND TITLE **District Engineer**