

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

Form O-122
Revised 12-1-55

Pool Blanco Mesaverde		Formation Mesaverde			County San Juan	
Initial X	Annual	Special		Date of Test 3/15/66		
Company Artec Oil & Gas Company			Lease Davis		Well No. 2	
Unit P	Sec. 11	Twp. 31N	Range 12W		Purchaser Southern Union Gathering System	
Casing 3 3/8"	Wt. 6.5	I.D. 3.12	Set at 5464	Perf. 5218	To 5288	
Tubing 1 1/2"	Wt. 2.75	I.D. 1.61	Set at 5260	Perf. Pin Collar @ 5260	To	
Gas Pay:	From 5218	To 5288	5260	.700 (est)	Bar. Press. 3682	
Type Well - Single - Braden head - G.C. or C. - X			Type Well - Single gas			
Date of completion 3/8/66		Packer None		Reservoir Temp.		

OBSERVED DATA

Tested Through:		Prover <input type="checkbox"/>	Check <input checked="" type="checkbox"/>	Meter <input type="checkbox"/>	Type of Taps		
FLOW DATA			TUBING DATA		CASING DATA		DURATION OF FLOW HR.
Line Size	Choke Size	Press. psig.	Diff. In. W.	Temp. °F.	Press. psig.	Temp. °F.	
2"	7 days 3/4"				758	758	3 hr.
					171	60°(est) 686	

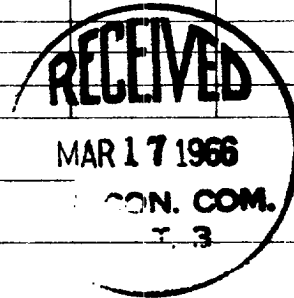
FLOW CALCULATIONS

Efficient (24 Hour)	$\sqrt{\frac{h_w}{F_t}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow (Mcf) @ 14.7 psia
12.365		183	1.000	.9258	1.034	2166

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ at bbl.
 Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Flowing Fluid _____
 P_w _____ (10^{-5})
 P_s **770** P_c^2 **592,900**

P_w psia	F_t^2	F_g	$(F_g)^2$	$(F_g)^2 (1-e^{-S})$	$\frac{1}{W}$	F_{pv}^2	$\frac{G}{P_w}$	$\frac{F_w}{F_t}$
698					487,204	105,696		



ABSOLUTE POTENTIAL: **7,895** MCFPD: **.75**

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

ADDRESS **P. O. Drawer 570, Farmington, N. Mex.** COMPANY _____

AGENT AND TITLE **Carl E. Jamson, District Engineer**