

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

Form C-122
Revised 12-1-55

File

Pool South Blanco Pictured Cliffs		Formation Pictured Cliffs		County San Juan	
Initial X		Annual		Date of Test 7/23/66	
Company Artec Oil and Gas		Lease Whitley		Well No. 9	
Unit 0	Sec. 8	Twp. 27N	Range 12W 9	Purchaser Southern Union Gas	
Casing 4 1/2	Wt. 9.5	I.D. 4.090	Set at 2367	Perf. 2456	To 2496
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 2283	Perf. 2265	To 2275
Gas Pay: 2456		From 2496	To 2496	L .700(est)	G GL
Producing Through: X		Casing		Type Well — Single — Braden head — G.G. or G.O. Dual single - gas	
Date of Completion 7/16/66		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.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.			7 days			492		492		
2.	2"	3/4"				228	60(est.)	163	60(est.)	3 e hr
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 14.725 psia
1.	12.365		175	1.000	.9258	1.021	2045
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 **504** P_c^2 **254,016**

No.	P_w 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.	240					57,600	196,416		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2544** MCFPD: **n 185**

COMPANY **Artec Oil and Gas** WITNESSED _____

ADDRESS **Drawer 570 Farmington, New Mex.** COMPANY _____

AGENT AND TITLE **Carl E. Jameson**

District Engineer

