

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

Form C-122
Revised 12-1-55

Pool Ballard			Formation PC			County Rio Arriba		
Initial X		Annual		Special		Date of Test 10-31-72		
Company Chace Oil Company				Lease Jic 71-			Well No. 5	
Unit	Sec.	Twp.	Range		Purchaser			
Casing 4.50"	Wt. 9.50#	I.D.	Set at 2973'		Perf. 2798		To 2812	
Tubing 1.50"	Wt. 2.90	I.D.	Set at 2804'		Perf.		To	
Gas Pay:	From 2798	To 2812	L 2804	G 0.670	GL 1879	Bar. Press. 12.0		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual			
Date of Completion		Packer			Reservoir Temp.			

OBSERVED DATA

Tested Through:								Type of Taps		
Prover ☐ Choke ☒ Meter ☐										
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	HR.
SI						371		372		
1.										
2.										
3.		3/4	100					134		3 hrs.
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 PD @ 15.025 psia
1.							
2.							
3.	12.365		112	1.0127	0.9463	1.000	1327
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 **384** P_c² **147.456**

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.						21,316	126,140		1.169
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1,515** MCFPD; n **0.85/1.1419**

COMPANY **Chace Oil Co.**

WITNESSED

ADDRESS **313 Washington, S. E.**

COMPANY

AGENT AND TITLE

Donald Buxton
Agent