

**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 11-6-72					
Company				Lease Jicarilla 71				Well No. 2			
Unit	Sec. 3	Twp. 23N	Range 4W	Purchaser EPNC							
Casing 4 1/2	Wt.	I.D.	Set at 3020	Perf.		To					
Tubing	Wt.	I.D.	Set at	Perf.		To					
Gas Pay:	From 3004	To 3062	L 3020	G 0.670	GL 2023	Bar. Press. 12.00					
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single						
Date of Completion		Packer			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.						639		640		<i>7 days</i>	
2.											
3.		3/4	93		47			170		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		105	1.0127	0.9463	1.000	1244				
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 652 P _c ² 425,104						
No.	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	C _g P _w P _c			
1.											
2.											
3.						33,124	391,980	1,085			
4.											
5.											

ABSOLUTE POTENTIAL: 1.333 MCFPD; n 0.8511.0718

COMPANY Chace Oil Company

WITNESSED

ADDRESS 313 Washington, S. E.

COMPANY

AGENT AND TITLE

Donald Burton

