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.	
Date of Completion:	Packer:	Reservoir Temp.:	

OBSERVED DATA

Tested Through: Prover [ ] Choke [X] Meter [ ]

Type of Taps:

	FLOW DATA					TUBING DATA		CASING DATA		DURAT OF FL HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						371		372		7 days
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 @ 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.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ $(1-e^{-S})$ _____
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 384 P_c^2 147.456

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	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.									
2.						21,316	126,140		1.169
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 Burton Agent