NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 2-5-77	
Company: Chace Oil Company		Connection			
Pool: Ballard P.C.		Formation: Pictured Cliffs		Unit	
Completion Date: 1-18-77	Total Depth: 3250'	Plug Back TD: 3041'	Elevation: 7045'	Farm or Lease Name: Jicarilla 70	
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090 / Set At: 3061		Perforations: From 2833.5 To 2846.5		Well No.: 4	
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610 / Set At: 2840		Perforations: From open To ended		Unit: B / Sec.: 33 / Twp.: 24N / Rge.: 4W	
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: single		Packer Set At: none		County: Rio Arriba	
Producing Thru: tubing	Reservoir Temp. °F: 90 @ 3250	Mean Annual Temp. °F: ----	Baro. Press. – P_a: 12.0	State: New Mexico	
L: 2840 / H: 2840 / Gg: 0.70	% CO_2	% N_2	% H_2S	Prover	Meter Run / Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					700		700		7 day
1.	3/4" T.H.C.				20	60	160		3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		32	1.0000	0.9258	1.0000	366
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 712 P_c^2 506,944

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		172	29584	477360
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0619$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0524$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 385$

Absolute Open Flow 385 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.81

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Royce McCarry	Ewell N. Walsh	