

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 10-7-76	
Company Chace Oil Company				Connection Waiting on Pipeline			
Pool Undesignated				Formation Chacra		Unit	
Completion Date 8-21-76		Total Depth 1808'		Plug Back TD 1771'		Elevation 6774 GR	
Ceg. Size 4.500		Wt. 10.50		Set At 4,052		Well No. 3	
Tbg. Size 1.900		Wt. 2.90		Set At 1744		Perforations: From 1540 To 1743	
Type Well - Single - Bradenhead - G.O. or G.O. Multiple Single				Packer Set At None		County Sandoval	
Producing Thru Tubing		Reservoir Temp. °F 92 @ 1808		Mean Annual Temp. °F ---		Baro. Press. - P _a 12.0	
L 1744		H 1744		G _g 0.600		% CO ₂ ---	
				% N ₂ ---		% H ₂ S ---	
				Prover ---		Meter Run ---	
				Taps ---			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							260		370		7 Day
1.	3/4" THC					60	10		110		
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		22	1.0000	1.0000	1.0000	272
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX COM.
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _f	P _w	R _w ²	P _f ² - R _w ²	(1) $\frac{P_f^2}{R_w^2 - R_f^2} = 1.1135$	(2) $\left[\frac{R_w^2}{R_f^2 - R_w^2} \right]^n = 1.0957$
1	382	122	14,884	131,040		
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope _____		Slope, n _____ 0.85	
AOF = Q $\left[\frac{R_w^2}{R_f^2 - R_w^2} \right]^n = 298$							
Remarks: _____							
Approved By Commission:		Conducted By:		Calculated By: Ewell N. Walsh		Checked By:	