

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
Rev. 1-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-20-75	
Operator Chace Oil Co.				Location Waiting on Pipeline	
Well Undesignated				Name Chacra	
Completion Date 9-29-75		Total Depth 3697		Elevation 2091	
Perforation 6924 GR		Form or Lease Name Rusty Federal			
Well No. 3					
Top Size 4.500	Wt. 10.50	d 4.052	Set At 2122	Perforation: From 1762	To 1804
Top Size 1.900	Wt. 2.90	d 1.610	Set At 1829	Perforation: From Open	To Ended
Type Well - Single - Proven - G.G. or G.O. Multiple Single				Packer Set At None	
Producing thru Tubing		Reservoir Temp. °F 92 @ 1915		Baro. Press. - P _a 12.0	
State New Mexico					
L 1829	H 1829	Gg 0.626	% CO ₂ ---	% N ₂ ---	% H ₂ S ---
Prover ---		Meter Run ---		Taps ---	

FLOW DATA						TUBING DATA		CASING DATA		Direction 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
1	3/4" THC					60	110		240		10 da. 3 hr.
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. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		122	1.0000	0.9759	1.0000	1,472
2.							
3.							
4.							
5.							

No.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 452	P _c ² 204,304	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4510$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3722$
No. 1	P _t ²	P _w	P _w ²
1		252	63,504
2			
3			
4			
5			

Absolute Open Flow 2,020 Mcfd @ 15.025		Angle of Slope θ ---	Slope, n 0.85
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: Ewell N. Walsh	
Checked By:			