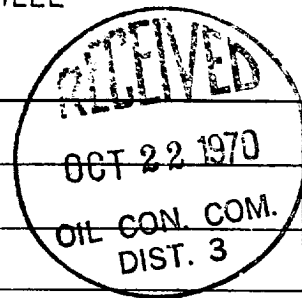


ILLEGIBLE

XICO OIL CONSERVATION COMMISSION NE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



☒ Initial		☐ Annual		☐ Special		Test Date 10-15-70	
Company Xico Oil & Gas Company				Connection Southern Union Gathering			
Struck Mesaverde				Formation Mesaverde			
Date 10-14-70		Total Depth 7120		Plug Back TD 7086		Elevation 5978 Gr	
Well No. 500		Set At 7118		Perforations: From 4173 To 4236		Well No. #3	
Well Size 9.5 & 10.5		Set At -----		Perforations: From ----- To -----		Unit Sec. Twp. Rge. G 34 30 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 6650		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	G _g	% 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									894		
1.	2"		3/4						95		3 Hrs.
2.											
3.											
4.											

RATE OF FLOW CALCULATIONS						
Coefficient (hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow q _{sc}
5.385		107	1.0000	.9258	1.0000	

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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	906	117	13,689	807,147
2				
3				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0170}{1.0144}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1243$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0144}{1.0144}$$

Flow	1243	Mcf/d @ 15.025	Angle of Slope Θ	Slope, n
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Approved By Commission: OCT 22 1970	Conducted By:	Calculated By: <i>[Signature]</i>	Checked By:
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