

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 8-27-76		Total Depth 1808'	Plug Back TD 1743'	Elevation 6773 GR	Farm or Lease Name Rusty Navajo
Ceg. Size 4.500	Wi. 9.50	d 4.090	Set At 1806	Perforations: From 1515 To 1731	Well No. 4
Tub. Size 1.900	Wi. 2.90	d 1.610	Set At 1733	Perforations: From open To ended	Unit F 26 22N 7W
Type Well - Single - Bradenhead - G.G. 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	State New Mexico
L 1733	H 1733	G _g 0.600	% CO ₂ ---	% N ₂ ---	% H ₂ S ---
Prover ---		Meter Run ---	Tape ---		

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							410		450		7 day
1.						60	15		195		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		27	1.0000	1.0000	1.0000	334
2.							
3.							
4.							
5.							

NO.	P _r	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 _____ XXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 462	P _c ² 213,444			
NO.	P _i ²	P _w	R _w ²	R _e ² - R _w ²
1		207	42,849	170,595
2				
3				
4				
5				

$$(1) \frac{P_c^2}{R_e^2 - R_w^2} = 1.2511$$

$$(2) \left[\frac{P_c^2}{R_e^2 - R_w^2} \right]^n = 1.2098$$

$$AOF = Q \left[\frac{R_e^2}{R_e^2 - R_w^2} \right]^n = 404$$

Absolute Open Flow	404	Mcfd @ 15.025	Angle of Slope @	Slope, n 0.85
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Remarks:

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