

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

Form C-122
Revised 1-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-20-75				
Company Chace Oil Co.				Location Waiting on Pipeline					
Well Undesignated				Formation Chacara				Unit	
Completion Date 10-26-75		Total Length 1974		Plug Back TD 1943		Elevation 6904 GR		Farm or Lease Name Rusty Federal	
Top Size 4.500	Wt. 10.50	d 4.052	Set At 1972	Perforations: From 1758 To 1801		Well No. 4			
Top Size 1.900	Wt. 2.90	d 1.610	Set At 1803	Perforations: From Open To Ended		Unit M		Sec. 13	Twp. 22N
Type of Well - Single - Pilot - Spud - G.G. or G.O. Multiple Single				Packer Set At None		County Sandoval			
Producing Thru Tubing		Reservoir Temp. °F 92 @ 1915		Mean Annual Temp. °F --		Baro. Press. - P _a 12.0		State New Mexico	
L 1803	H 1803	Cg 0.626	% 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							480		490		10 da
1.	3/4" THC					60	106		230		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		118	1.0000	0.9759	1.0000	1,423
2							
3							
4							
5							

NO.	P _t	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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 502	P _c ² 252,004	
NO.	P _t ²	P _w
1		242
2		58,564
3		193,440
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3028$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2521$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,782$$

Absolute Open Flow	1,782	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

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