

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 5-26-75	
Company Chace Oil Company				Connection Waiting on Pipeline	
Pool Undesignated				Formation Mesa Verde	
Completion Date 4-19-75		Total Depth 3885'		Plug Back TD 3100'	
		Elevation 6960'GR		Farm or Lease Name Rusty Federal	
Csg. Size 4.500	Wt. 9.50 &10.50	d 4.052	Set At 3711	Perforations: From 1880 To 1884	
Tbg. Size 2.8750	Wt. 6.50	d 2.441	Set At 1854	Perforations: From Open To End	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 1854	
Producing Thru Tubing		Reservoir Temp. °F 98 @ 3885		Baro. Press. - P _a 12.0	
Mean Annual Temp. °F --		State New Mexico			
L 1854	H --	Gg 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							415		Pkr		10 da
1.	3/4" THC						25		Pkr		3 hrs
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		37	1.0000	1.0000	1.0000	457
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 _____ 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	

P _c 437	P _c 199,849		
NO.	P _t ²	P _w	P _w ²
1		40	1600
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0080$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 460$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0060$

Absolute Open Flow 460	Mcfd @ 15.025	Angle of Slope Θ _____
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Remarks: **Calculated Pw = 40 psia**

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