

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 6-14-75	
Company Chace Oil Company			Connection None		
Pool Undesignated M.V.			Formation Mesa Verde		Unit
Completion Date 5-31-75		Total Depth 4050		Plug Back TD 3390 Bridge Plug	Elevation 7022 GR
Farm or Lease Name Gulf Federal		Well No. No. 1			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4025	Perforations: From 1967 To 2041	Well No.
Thq. Size 2.875	Wt. 6.5	d 2.441	Set At 2057	Perforations: From Open To Ended	Unit Sec. Twp. Rge. C 13- 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 -- -- --		Mean Annual Temp. °F -- -- --	
Baro. Press. - P _a 12.0		State New Mexico			
L 2057	H 2057	G _g 0.60	% 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.	
SI							220		480	
1.	3/4"THC			35			35		200	
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 F _{sc}	Rate of Flow Q, Mhd
1	12.3650		47	1.0000	1.0000	1.0000	581
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 _____ 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 492	P _c ² 242,064		
NO.	P _r ²	P _w	P _w ²
1		212	44,944
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2280$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1665$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 713$$

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Absolute Open Flow 713 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n 0.75
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Remarks: _____

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