

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

OCT 13 1976
 DIST. 3

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 8-21-76		Total Depth 1808'		Plug Back TD 1771'		Elevation 6774 GR
Farm or Lease Name Rusty Navajo		Well No. 3				
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 1797	Perforations: From 1540 To 1743		Unit K
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 1744	Perforations: From open To ended		Sec. Twp. Rge. 23 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 ---		State New Mexico
L 1744	H 1744	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							260		370		7 Day
1.	3/4" THC					60	10		110		
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		22	1.0000	1.0000	1.0000	272
2.							
3.							
4.							
5.							

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

P _c 382	P _c ² 145,924	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1135$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0957$
NO. 1	P _f ² 122	P _w ² 14,884	P _c ² - P _w ² 131,040
2.			
3.			
4.			
5.			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 298$		Absolute Open Flow <u>298</u> Mcfd @ 15.025	Angle of Slope θ _____	Slope, n <u>0.85</u>
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Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: Ewell N. Walsh	Checked By: