NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 1-1-65

Type Test: ☐ Initial ☐ Annual ☒ Special		Test Date: 04-06-76	
Company: Chace Oil Company	Connection: None		
Pool: ~~Rusty Menefee~~ Undes. Chra.	Formation: ~~La Ventana~~ Chacra	Unit: 800' NL 1640' WL	
Completion Date: 02-25-76	Total Depth: 2004'	Plug Back TD: 1862'	Elevation: 6880' GR
Farm or Lease Name: Rusty Navajo			
Csg. Size: 4.50 / Wt.: 9.5 / d: 4.090 / Set At: 1920'	Perforations: From 1692' To 1776'	Well No.: 2	
Tbg. Size: 1.50 / Wt.: 2.75 / d: 1.610 / Set At: 1782'	Perforations: From To	Unit: C / Sec.: 25 / Twp.: 22 / Rge.: 07	
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 / State: New Mexico
L:	H:	Gg: .633	% CO_2:	% N_2:	% H_2S:	Prover: 2"	Meter Run:	Taps:

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover XXXXX 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	Duration of Flow
SI						326		332		SIP
1.	2"	.125	323		55	323		306		1H
2.	2"	.218	327		55	327		314		1H
3.	2"	.312	292		55	292		306		1H
4.	2"	.500	173		55	173		188		1H
5.	2"	.500	104		55	104		122		5H

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	.2648		335	1.000	1.257	1.032	115.6
2	.8393		339	1.000	1.257	1.032	370.9
3	1.672		304	1.000	1.257	1.029	660.7
4	4.279		185	1.003	1.257	1.017	1015.0
5	4.279		116	1.005	1.257	1.010	653.3

NO.	P_t	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 384 P_c^2 147.5

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		378	142.9	4.6
2		356	126.7	20.8
3		318	101.1	46.4
4		244	59.5	88.0
5		189	35.7	111.8

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{147.5}{111.8}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2656$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 801.5$

Absolute Open Flow 802 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By: