NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special						Test Date: 2-5-77					
Company: Chase Oil Company				Connection: waiting on pipeline							
Pool: Rusty Chacra				Formation: Chacra						Unit	
Completion Date: 1-15-77		Total Depth: 1940'		Plug Back TD: 1921'		Elevation: 6708' KB				Farm or Lease Name: Rusty Navajo	
Csg. Size: 4.500	Wt.: 9.50	d: 4.090	Set At: 1940'	Perforations: From 1695 To 1917.5						Well No.: 5	
Tbg. Size: 1.900	Wt.: 2.90	d: 1.610	Set At: 1912'	Perforations: From open To ended						Unit: A Sec.: 22 Twp.: 22N Rge.: 7W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single				Packer Set At: none						County: Sandoval	
Producing Thru: tubing	Reservoir Temp. °F: 80 @ 1940'		Mean Annual Temp. °F: ---	Baro. Press. – P_a: 12.0						State: New Mexico	
L: 1912	H: 1912	Gg: 0.65	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps			

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							400		420		7 day
1.	3/4 T.H.C.						55	60	180		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		67	1.0000	0.9608	1.0000	796
2							
3							
4							
5							

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 432 P_c^2 186,624

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		192	36,864	149,760
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2461$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2056$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 960$, 1977

Absolute Open Flow 960 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

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