N[illegible] MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT [illegible]D ONE POINT BACK PRESSURE TEST FOR G[illegible] WELL

Form C-122 OCD File

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 12/14/1992	
Company: Yates Petroleum Corp	Connection: Yates Petroleum Corp			
Pool: Abo	Formation: Pecos Slope		Unit	
Completion Date: 12/03/1992	Total Depth: 4150	Plug Back TD: 4090	Elevation: 3856	Farm or Lease Name: Geneva UI
Csg. Size: 4.500 / Wt: 10.500 / d: 4.052 / Set At: 4150		Perforations: From 3578 To 3898		Well No.: 3
Tbg. Size: 2.375 / Wt: 4.700 / d: 1.995 / Set At: 3528		Perforations: From 3578 To 3898		Unit: E / Sec.: 21 / Twp.: 6S / Rge.: 25E
Type Well: Single		Packer Set At: 3528		County: Chaves
Producing Thru: Tubing	Resv. Temp. °F: 107 @ 3738	Mean Temp. °F: 62	Baro. Press. - Pa: 24.0	State: New Mexico

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
3528	3528	0.648	0.028	5.006	0.000	0.000	2.000	Flange

	FLOW DATA					TUBING DATA		CASING DATA		
NO	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	0.000	x	0.000	0	0.0	0	750	0			0
1	2.067	x	1.125	480	3.0	44	660	62			24
2.	2.067	x	1.125	434	5.4	43	600	62			24
3.	2.067	x	1.125	480	9.0	44	540	62			24
4.	2.067	x	1.125	480	12.0	50	480	62			24
5.		x									

RATE OF FLOW CALCULATIONS

NO	Coefficient (24 Hour)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	6.393	38.9	504.0	1.0158	1.242	1.051	330
2.	6.393	49.8	458.0	1.0168	1.242	1.047	421
3.	6.393	67.3	504.0	1.0158	1.242	1.051	571
4.	6.393	77.8	504.0	1.0098	1.242	1.049	654
5.							

NO.	Pr	Temp °R	Tr	Z
1.	0.76	504	1.41	0.905
2.	0.69	503	1.40	0.913
3	0.76	504	1.41	0.905
4	0.76	510	1.42	0.909
5				

Gas Liquid Hydrocarbon Ratio	0 Mcf/bbl.		
A.P.I. Gravity of Liquid Hydrocarbons	0.000 Deg.		
Specific Gravity Separator Gas	0.648	xxxxxxxxxx	
Specific Gravity Flowing Fluid	xxxxxxxxxx	0.648	
Critical Pressure	662 P.S.I.A.	662	P.S.I.A.
Critical Temperature	358 °R	358	°R

Pc 774.0 Pc² 599.1

NO.	Pt²	Pw	Pw²	Pc² - Pw²
1	467.9	685.0	469.2	129.9
2	389.4	625.7	391.6	207.5
3	318.1	567.6	322.1	276.9
4	254.0	509.3	259.4	339.7
5.				

(1) $\frac{Pc^2}{Pc^2 - Pw^2} = 2.163$ (2) $\left[\frac{Pc^2}{Pc^2 - Pw^2}\right]^n = 1.738$

AOF = Q $\left[\frac{Pc^2}{Pc^2 - Pw^2}\right]^n = 992$

Absolute Open Flow 992 Mcfd @ 15.025 | Angle of Slope θ 36 | Slope, n 0.716

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dyke Dodson	Andrea Carpenter	