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

Form C-122

RECEIVED

Type Test [x] Initial [ ] Annual [ ] Special				Test Date 11/14/90	
Company Yates Petroleum Corporation		Connection Transwestern Pipeline Company			ARTESIA
Pool Abo		Formation Pecos Slope			Unit
Completion Date 3/8/83	Total Depth 4150.0'	Plug Back TD 4095.0'	Elevation 3527.7'		Farm or Lease Name Bitter Lakes PX St.
Csg Size 4.500" / Wt. 9.500# / d 4.090" / Set At 4150.0'		Perforations: From 3836.0' To 3848.0'			Well No. 2
Tbg Size 2.375" / Wt. 4.700# / d 1.995" / Set At 3788.0'		Perforations: From 0.0' To 0.0'			Unit Sec Twp Rge E 16 10S 25E
Type Well Single		Packer Set At 3788.0'			County Chaves
Producing Thru Tubing	Resv. Temp. °F 122 @ 3788'	Mean Temp. °F 62.0	Baro. Press. - Pa 13.2 psia.		State New Mexico

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
3788.0'	3788.0'	.656	.01	8.93	0.00	0.000"	2.000"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO	Prover Size X Orifice Size	Press. psig	Diff. hw	Temp. °F	Press. psig	Temp. °F	Press. psig	Temp. °F	Duration of Flow
SI	0.000 X 0.000	0	0.0	57	1029	0	0	0	0 hrs.
1.	2.067 X 1.000	930	38.2	54	589	62	0	0	24 hrs.
2.	2.067 X 1.000	860	49.7	51	471	62	0	0	24 hrs.
3.	2.067 X 1.000	820	68.1	57	372	62	0	0	24 hrs.
4.	2.067 X 1.000	805	80.0	50	210	62	0	0	24 hrs.
5.	0.000 X 0.000	0	0.0	0	0	0	0	0	0 hrs.

RATE OF FLOW CALCULATIONS

NO	Coefficient (24 HOUR)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	4.947	189.82	943.20	1.006	1.235	1.082	1262
2.	4.947	208.32	873.20	1.009	1.235	1.078	1383
3.	4.947	238.20	833.20	1.003	1.235	1.071	1562
4.	4.947	255.84	818.20	1.010	1.235	1.073	1694
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z
1.	1.44	514	1.47	.854
2.	1.33	511	1.46	.861
3.	1.27	517	1.48	.873
4.	1.25	510	1.46	.868
5.	0.00	0	0.00	0.000

Gas Liquid Hydrocarbon Ratio Dry Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 0.000 Deg.
Specific Gravity Separator Gas .656 xxxxxxxxxxxx
Specific Gravity Flowing Fluid xxxxx .656
Critical Pressure 655.1 PSIA 655.1 PSIA
Critical Temperature 349.5°R 349.5°R

Pc 1042.2 Pc^2 1086.2

NO	Pt^2	Pw	Pw^2	Pc^2-Pw^2
1.	362.6	620.0	384.5	701.7
2.	234.4	511.0	261.1	825.1
3.	148.4	427.6	182.8	903.4
4.	49.8	301.9	91.2	995.0
5.	0.0	0.0	0.0	0.0

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.0920$ (2) $\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 1.0770$

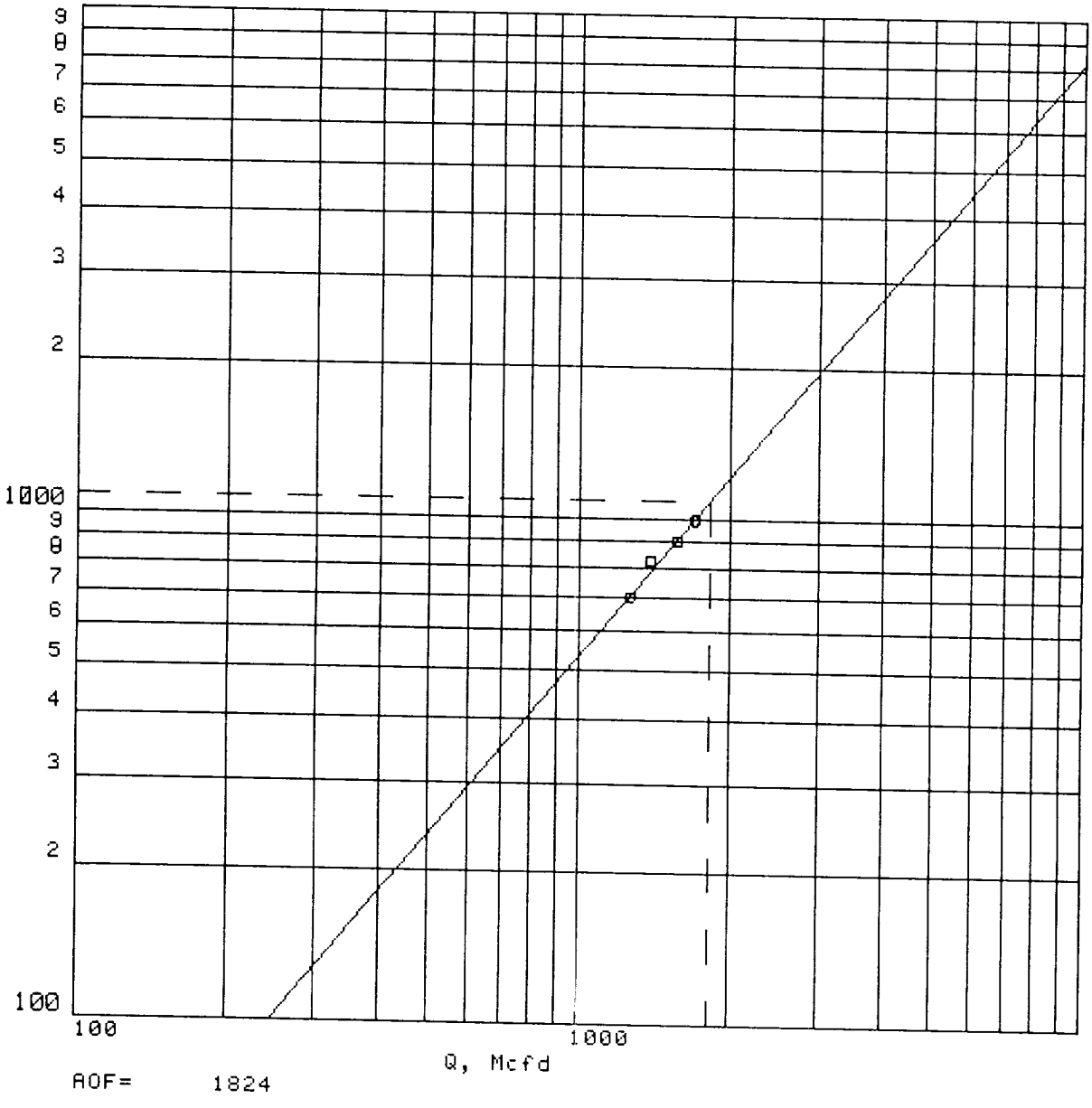
$AOF = Q\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 1824$ Mcfd

Absolute Open Flow 1824 Mcfd @ 15.025	Angle of Slope, θ 40	Slope, n .843

Remarks:

Approved By:	Conducted By: David Weaver	Calculated By: Andrea Carpenter	Checked By:

Company	Yates Petroleum Corporation
Well	Bitter Lakes FX St. No. 2
Location	E, 16-10S-25E
County	Chaves
Date	10/28/91



$P_c^2 - P_w^2$, THOUSANDS