N MEXICO OIL CONSERVATION COM 3SION
MULTIPOINT ND ONE POINT BACK PRESSURE TL.T FOR GAS WELL

Form C-122

c/sf File

4-196
82730

Type Test [x] Initial [ ] Annual [ ] Special				Test Date 3/24/88	
Company Yates Petroleum Corporation			Connection Transwestern Pipeline Company		
Pool Pecos Slope			Formation Abo		Unit
Completion Date 1/15/88	Total Depth 4500.0'		Plug Back TD 4460.0'	Elevation 3635.4'	Farm or Lease Name Erickson KY State
Csg Size 4.500" / Wt. 9.500# / d 4.090" / Set At 4500.0'			Perforations: From 4091.0' To 4374.0'		Well No. 2
Tbg Size 2.375" / Wt. 4.700# / d 1.995" / Set At 4020.0'			Perforations: From 0.0' To 0.0'		Unit Sec A 2 / Twp 10S / Rge 25E
Type Well Single			Packer Set At 4020.0'		County Chaves
Producing Thru Tubing	Resv. Temp. °F 104 @ 4374'	Mean Temp. °F 62.0	Baro. Press. - Pa 13.2 psia.		State New Mexico

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
4020.0'	4020.0'	.645	.05	5.78	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	44	900	0	0	0	0 hrs.
1.	2.067	X 1.000	140	11.2	44	771	62	0	0	24 hrs.
2.	2.067	X 1.000	140	30.8	44	620	62	0	0	24 hrs.
3.	2.067	X 1.000	135	44.0	44	483	62	0	0	24 hrs.
4.	2.067	X 1.000	130	58.0	44	430	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	41.42	153.20	1.016	1.245	1.013	263
2.	4.947	68.69	153.20	1.016	1.245	1.013	436
3.	4.947	80.75	148.20	1.016	1.245	1.013	512
4.	4.947	91.14	143.20	1.016	1.245	1.012	577
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z
1.	.23	504	1.42	.974
2.	.23	504	1.42	.974
3.	.22	504	1.42	.975
4.	.22	504	1.42	.976
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	.645	xxxxxxxxxxxx
Specific Gravity Flowing Fluid	xxxxx	.645
Critical Pressure	661.0 PSIA	661.0 PSIA
Critical Temperature	354.6°R	354.6°R

Pc 913.2 Pc^2 833.9

NO	Pt^2	Pw	Pw^2	Pc^2-Pw^2
1.	615.0	784.8	615.9	218.0
2.	400.9	635.3	403.6	430.4
3.	246.2	499.9	249.9	584.0
4.	196.4	448.5	201.2	632.8
5.	0.0	0.0	0.0	0.0

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.3203$ (2) $\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 1.2281$

$AOF = Q\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 709$ Mcfd

Absolute Open Flow	709 Mcfd @ 15.025	Angle of Slope, θ 36	Slope, n .740
Remarks:			

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