NEW XICO OIL CONSERVATION COMMIS .ON

Form C-122

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test [x] Initial [ ] Annual [ ] Special				Test Date 12/29/88	APR 10'89
Company Yates Petroleum Corporation		Connection Transwestern Pipeline Company			
Pool ~~Abo~~ Pecos Slope ABO		Formation Pecos Slope			Unit
Completion Date 1/11/88	Total Depth 4100.0'		Plug Back TD 4028.0'	Elevation 3810.6'	Farm or Lease Name Reinauer RC Federal
Csg Size 4.500" / Wt. 9.500# / d 4.090" / Set At 4100.0'			Perforations: From 3639.0' To 3821.0'		Well No. 1
Tbg Size 2.375" / Wt. 4.700# / d 1.995" / Set At 3600.0'			Perforations: From 0.0' To 0.0'		Unit Sec A 29 / Twp 7S / Rge 25E
Type Well Single			Packer Set At 3600.0'		County Chaves
Producing Thru Tubing	Resv. Temp. °F 87 @ 4027'	Mean Temp. °F 62.0	Baro. Press. - Pa 13.2 psia.		State New Mexico

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
3600.0'	3600.0'	.647	.03	5.76	0.00	0.000"	2.000"	Flange

NO	FLOW DATA Prover Size	X	Orifice Size	Press. psig	Diff. hw	Temp. °F	TUBING DATA Press. psig	Temp. °F	CASING DATA Press. psig	Temp. °F	Duration of Flow
SI	0.000	X	0.000	0	0.0	50	950	0	0	0	0 hrs.
1.	2.067	X	.750	170	55.4	49	817	62	0	0	24 hrs.
2.	2.067	X	.750	200	63.8	47	784	62	0	0	24 hrs.
3.	2.067	X	.750	200	78.7	50	719	62	0	0	24 hrs.
4.	2.067	X	.750	220	100.0	50	700	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)	$\sqrt{hw}Pm$	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	2.709	100.74	183.20	1.011	1.243	1.016	348
2.	2.709	116.63	213.20	1.013	1.243	1.019	405
3.	2.709	129.53	213.20	1.010	1.243	1.018	449
4.	2.709	152.71	233.20	1.010	1.243	1.020	530
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z
1.	.28	509	1.43	.969
2.	.32	507	1.43	.963
3.	.32	510	1.44	.964
4.	.35	510	1.44	.961
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 .647 | xxxxxxxxxxxx

Specific Gravity Flowing Fluid xxxxx | .647

Critical Pressure 660.8 PSIA | 660.8 PSIA

Critical Temperature 355.3°R | 355.3°R

Pc 963.2 Pc^2 927.8

NO	Pt^2	Pw	Pw^2	Pc^2-Pw^2
1.	689.2	831.1	690.7	237.1
2.	635.5	798.4	637.5	290.3
3.	536.1	733.8	538.5	389.2
4.	508.7	715.6	512.0	415.7
5.	0.0	0.0	0.0	0.0

(1) $\frac{Pc^2}{Pc^2-Pw^2}$ = 2.2319 (2) $\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n$ = 1.8214

$AOF = Q\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n$ = 965 Mcfd

Absolute Open Flow 965 Mcfd @ 15.025 | Angle of Slope, θ 37 | Slope, n .747

Remarks:

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