NEW MEXICO OIL CONSERVATION COMMISSION

MULTIP(AND ONE POINT BACK PRESSURE TEST F(AS WELL

Form C-122 C/SF

RECEIVED OCD - ARTESIA DEC

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10/13/1999	
Company: Yates Petroleum Corp			Connection: Agave Energy		Unit
Pool: Red Tank Draw Morrow			Formation: Morrow (Red Tank Draw Atk-Mrr)		
Completion Date: 2/21/1999	Total Depth: 8535		Plug Back TD: 8468	Elevation: 3857	Farm or Lease Name: Triangle Ranch ASW State Com
Csg. Size: 4.500	Wt.: 11.600	d: 4.000	Set At: 8535	Perforations: From 7976 To 8330	Well No.: 1
Tbg. Size: 2.375	Wt.: 4.700	d: 1.995	Set At: 7902	Perforations: From 7976 To 8330	Unit: K Sec.: 13 Twp.: 19S Rge.: 23E
Type Well: Single			Packer Set At: 7910		County: Eddy
Producing Thru: Tubing	Resv. Temp. °F: 143 @ 8504		Mean Temp. °F: 62	Baro. Press. - Pa: 13.2	State: New Mexico

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
8535	8535	0.590	0.840	0.450	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	0.000	x	0.000	0	0.0	0	550	0			0
1.	2.067	x	1.000	450	33.0	60	475	60			24
2.	2.067	x	1.000	450	38.0	60	467	60			24
3.	2.067	x	1.000	450	43.0	60	458	60			24
4.	2.067	x	1.000	450	48.0	60	450	60			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	4.946	123.6	463.2	1.0000	1.302	1.038	826
2	4.946	132.7	463.2	1.0000	1.302	1.038	886
3	4.946	141.1	463.2	1.0000	1.302	1.038	943
4	4.946	149.1	463.2	1.0000	1.302	1.038	996
5							

NO.	Pr	Temp °R	Tr	Z
1	0.69	520	1.48	0.929
2	0.69	520	1.48	0.929
3	0.69	520	1.48	0.929
4	0.69	520	1.48	0.929
5				

Gas Liquid Hydrocarbon Ratio	0 Mcf/bbl.	
A.P.I. Gravity of Liquid Hydrocarbons	0.000 Deg	
Specific Gravity Separator Gas	0.590	xxxxxxxxxx
Specific Gravity Flowing Fluid	xxxxxxxxxx	0.590
Critical Pressure	675 P.S.I.A.	675 P.S.I.A.
Critical Temperature	350 °R	350 °R

Pc 563.2 Pc^2 317.2

NO.	Pt^2	Pw	Pw^2	$Pc^2 - Pw^2$
1	238.3	506.3	256.3	60.9
2	230.6	501.3	251.3	65.9
3	222.0	495.5	245.5	71.7
4	214.6	490.7	240.8	76.4
5				

(1) $\frac{Pc^2}{Pc^2 - Pw^2}$ = 4.425 (2) $\left[\frac{Pc^2}{Pc^2 - Pw^2}\right]^n$ = 3.396

AOF = Q $\left[\frac{Pc^2}{Pc^2 - Pw^2}\right]^n$ = 3202

Absolute Open Flow 3202 Mcfd @ 15.025 Angle of Slope θ 39 Slope, n 0.822

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Johnny Blount	Katie Brunson	Pinson McWhorter