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

RECEIVED
APR 10 '89
O. C. D.
ARTESIA, OFFICE

Form C-122
cl SF File

Type Test [x] Initial [ ] Annual [ ] Special						Test Date 12/22/89		
Company Yates Petroleum Corporation				Connection Transwestern Pipeline Company				
Pool ~~Abo~~ Pecos Slope ABO				Formation Pecos Slope			Unit	
Completion Date 4/10/84		Total Depth 4125.0'		Plug Back TD 4080.0'		Elevation 3594.9'	Farm or Lease Name Williamson LC Fed.	
Csg Size 4.500"	Wt. 9.500#	d 4.090"	Set At 4125.0'	Perforations: From 3715.0' To 3807.0'			Well No. 9	
Tbg Size 2.375"	Wt. 4.700#	d 1.995"	Set At 3674.0'	Perforations: From 0.0' To 0.0'			Unit Sec P 4	Twp 8S Rge 25E
Type Well Single				Packer Set At 3674.0'			County Chaves	
Producing Thru Tubing		Resv. Temp. °F 96 @ 3761'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.	State New Mexico	

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
3674.0'	3674.0'	.662	.05	8.10	0.00	0.000"	2.000"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO	Prover Size	Orifice X 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	41	1000	0	0	0	0 hrs.
1.	2.067	X .875	320	15.7	42	898	62	0	0	24 hrs.
2.	2.067	X .875	345	27.9	43	813	62	0	0	24 hrs.
3.	2.067	X .875	370	35.0	41	797	62	0	0	24 hrs.
4.	2.067	X .875	380	40.0	42	770	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.	3.729	72.33	333.20	1.018	1.229	1.031	348
2.	3.729	99.97	358.20	1.017	1.229	1.033	481
3.	3.729	115.81	383.20	1.019	1.229	1.036	561
4.	3.729	125.41	393.20	1.018	1.229	1.037	607
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z
1.	.51	502	1.42	.940
2.	.55	503	1.42	.936
3.	.58	501	1.42	.931
4.	.60	502	1.42	.930
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	.662	xxxxxxxxxxxxx
Specific Gravity Flowing Fluid	xxxxx	.662
Critical Pressure	656.5 PSIA	656.5 PSIA
Critical Temperature	353.7°R	353.7°R

Pc 1013.2 Pc^2 1026.6

NO	Pt^2	Pw	Pw^2	Pc^2-Pw^2
1.	830.3	912.0	831.8	194.8
2.	682.6	827.9	685.5	341.1
3.	656.4	812.6	660.4	366.2
4.	613.4	786.1	618.0	408.6
5.	0.0	0.0	0.0	0.0

(1) $\frac{Pc^2}{Pc^2-Pw^2}$ = 2.5173 (2) $\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n$ = 2.0031

$AOF = Q\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n$ = 1216 Mcfd

Absolute Open Flow	1216 Mcfd @ 15.025	Angle of Slope, θ 37	Slope, n .753

Remarks:

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