

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

Form C-122

RECEIVED

458
F. 11

Type Test [x] Initial [] Annual [] Special					Test Date 5/14/83		JUL 12 1983	
Company Yates Petroleum Corporation					Connection Transwestern Pipeline Company		O. C. D.	
Pool Pecos Slope 2 1/2					Formation Abo		Unit ARTESIA, OFFICE	
Completion Date 7/1/82		Total Depth 4200.0'		Plug Back TD 4143.0'		Elevation 3663.3'		Farm or Lease Name Binnion "TT" Fed
Csg Size 4.500"	Wt. 9.500#	d 4.090"	Set At 4191.0'	Perforations: From 3712.0' To 3879.0'		Well No. 4		
Tbg Size 2.375"	Wt. 4.700#	d 1.995"	Set At 3672.0'	Perforations: From 0.0' To 0.0'		Unit Sec Twp Rge P 23 7S 25E		
Type Well Single					Packer Set At 3673.0'		County Chaves	
Producing thru Tubing		Resv. Temp. °F 100 @ 1120'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.		State New Mexico
L 3672.0'	4 3672.0'	Gg .645	%CO2 .07	%N2 6.53	%H2S 0.00	Prover 0.000"	Meter Run 2.000"	Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO	Prover Size	Orifice x Size	Press. psig	Diff. hw	Temp. °F	Press. psig	Temp. °F	Press. psig	Temp. °F	
SI	0.000	x 0.000	0	0.0	0	1017	0	0	0	0 hrs.
1.	2.067	x .875	125	3.0	70	830	62	0	0	24 hrs.
2.	2.067	x .875	125	10.0	70	580	62	0	0	24 hrs.
3.	2.067	x .875	120	14.0	70	250	62	0	0	24 hrs.
4.	2.067	x .875	120	17.0	70	140	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 HOURS)	1/hwPm	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	3.729	20.36	138.20	.991	1.245	1.010	95
2.	3.729	37.18	138.20	.991	1.245	1.010	173
3.	3.729	43.18	133.20	.991	1.245	1.010	201
4.	3.729	47.59	133.20	.991	1.245	1.010	221
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Dry	Mcf/bbl.
1.	.21	530	1.50	.980	A.P.I. Gravity of Liquid Hydrocarbons	0.000	Deg.
2.	.21	530	1.50	.980	Specific Gravity Separator Gas	.645	xxxxxxx
3.	.20	530	1.50	.980	Specific Gravity Flowing Fluid	xxxxx	.645
4.	.20	530	1.50	.980	Critical Pressure	659.8	PSIA
5.	0.00	0	0.00	0.000	Critical Temperature	352.5°R	352.5°R

Pc 1030.2 Pc2 1061.3

NO	Pt2	Pw	Pw2	Pc2-Pw2 (1)	Pc2	=	1.0513	(2)	$\left[\frac{Pc2}{Pc2-Pw2} \right]^n$	=	1.0403
1.	711.0	843.3	711.1	350.2							
2.	351.9	593.5	352.3	709.0							
3.	69.3	264.2	69.8	991.5							
4.	23.5	155.4	24.1	1037.2							
5.	0.0	0.0	0.0	0.0							

ROF = $Q \left[\frac{Pc2}{Pc2-Pw2} \right]^n = 230 \text{ Mcfd}$

Absolute Open Flow 230 Mcfd @ 15.025 Angle of Slope, 0 38 Slope, n .791

Remarks:

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