

RECEIVED
d/f F.1c
JUL 12 1983

Type Test [x] Initial [] Annual [] Special				Test Date 5/12/83		O. C. D. ARTESIA, OFFICE	
Company Yates Petroleum Corporation				Connection Transwestern Pipeline Company			
Pool Pecos Slope <i>2.40</i>				Formation Abo		Unit	
Completion Date 7/29/82		Total Depth 4100.0'		Plug Back TD 4045.0'		Elevation 3713.8'	
Csg Size Wt. 4.500" 3.500#		d 4.090"	Set At 4100.0'	Perforations: From 3593.0' To 3754.0'		Farm or Lease Name Sacra "SA"	
Tbg Size Wt. 2.375" 4.700#		d 1.995"	Set At 3570.0'	Perforations: From 0.0' To 0.0'		Well No. 3	
Type Well Single				Packer Set At 3570.0'		Unit Sec Twp Rge M 35 6S 25E	
Producing Thru Tubing		Resv. Temp. °F 101 @ 1080'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.	
L 3570.0'		Gg 3570.0'	%CO2 .643	%N2 .11	%H2S 6.03	Prover 0.000"	Meter Run 2.000"
						Taps 0.000"	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	70	980	0	0	0	0 hrs.
1.	2.067	x .875	200	3.0	70	500	62	0	0	24 hrs.
2.	2.067	x .875	200	7.0	70	430	62	0	0	24 hrs.
3.	2.067	x .875	200	9.0	70	375	62	0	0	24 hrs.
4.	2.067	x .875	190	13.0	70	210	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	25.29	213.20	.991	1.247	1.015	118
2.	3.729	38.63	213.20	.991	1.247	1.015	181
3.	3.729	43.80	213.20	.991	1.247	1.015	205
4.	3.729	51.40	203.20	.991	1.247	1.015	240
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.	.32	530	1.50	.970	A.P.I. Gravity of Liquid Hydrocarbons	0.000	Deg.
2.	.32	530	1.50	.970	Specific Gravity Separator Gas	.643	xxxxxxxxxxxxxx
3.	.32	530	1.50	.970	Specific Gravity Flowing Fluid	xxxxxx	.643
4.	.31	530	1.50	.971	Critical Pressure	660.9 PSIA	660.9 PSIA
5.	0.00	0	0.00	0.000	Critical Temperature	353.1°R	353.1°R

Pc 993.2		Pc2 986.4		$ROF = Q \left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 253 \text{ Mcfd}$	
NO	Pt2	Pw	Pw2	Pc2 - Pw2 (1)	Pc2 = 1.0540 (2) $\left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 1.0540$
1.	263.4	513.4	263.5	722.9	
2.	196.4	443.7	196.8	789.6	
3.	150.7	388.9	151.2	835.2	
4.	49.8	224.9	50.6	935.9	
5.	0.0	0.0	0.0	0.0	

Absolute Open Flow 253 Mcfd @ 15.025 Angle of Slope, 0 45 Slope, n1.000
Remarks:

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