

clsr
File

Type Test [x] Initial [] Annual [] Special					Test Date 1/11/89		RECEIVED	
Company Yates Petroleum Corporation					Connection Transwestern Pipeline Company			
Pool Abo Pecos Slope ABO					Formation Pecos Slope		Unit APR 10 '89	
Completion Date 1/14/86		Total Depth 4300.0'		Plug Back TD 4235.0'		Elevation 3669.8'		Farm or Lease Name Sandbur ADC St. Com
Csg Size 4.500"	Wt. 9.500#	d 4.090"	Set Rt 4300.0'	Perforations: From 3750.0' To 3759.0'		Well No. ARTESIA, OFFICE 1		
Tbg Size 2.375"	Wt. 4.700#	d 1.995"	Set Rt 3685.0'	Perforations: From 0.0' To 0.0'		Unit Sec Twp Rge M 23 5S 25E		
Type Well Single					Packer Set Rt 3685.0'		County Chaves	
Producing Thru Tubing		Resv. Temp. °F 100 @ 3755'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.		State New Mexico
L 3685.0'	H 3685.0'	Gg .654	%CO2 .04	%N2 8.71	%H2S 0.00	Prover 0.000"	Meter Run 2.000"	Taps Flange

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO	Prover Orifice Size 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	54	960	0	0	0	0 hrs.
1.	2.067 X .750	150	8.0	51	693	62	0	0	24 hrs.
2.	2.067 X .750	150	13.1	53	646	62	0	0	24 hrs.
3.	2.067 X .750	160	15.8	55	460	62	0	0	24 hrs.
4.	2.067 X .750	160	17.0	54	420	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)	√hwPm	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	2.709	36.13	163.20	1.009	1.237	1.013	124
2.	2.709	46.24	163.20	1.007	1.237	1.012	158
3.	2.709	52.31	173.20	1.005	1.237	1.013	178
4.	2.709	54.26	173.20	1.006	1.237	1.013	185
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.	.25	511	1.46	.975	A.P.I. Gravity of Liquid Hydrocarbons 0.000 Deg.
2.	.25	513	1.47	.976	Specific Gravity Separator Gas .654 xxxxxxxxxxxxxxx
3.	.26	515	1.47	.974	Specific Gravity Flowing Fluid xxxxxx .654
4.	.26	514	1.47	.974	Critical Pressure 655.7 PSIA 655.7 PSIA
5.	0.00	0	0.00	0.000	Critical Temperature 349.4°R 349.4°R

Pc 973.2 Pc2 947.1				
NO	Pt2	Pw	Pw2	Pc2-Pw2 (1)
1.	498.7	706.3	498.9	448.2
2.	434.5	659.4	434.9	512.3
3.	223.9	473.6	224.3	722.8
4.	187.7	433.7	188.1	759.0
5.	0.0	0.0	0.0	0.0

$$\frac{Pc^2}{Pc^2 - Pw^2} = \frac{1.2477}{1.1851} \quad (2) \quad \left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 1.1851$$

$$AOF = Q \left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 220 \text{ Mcfd}$$

Absolute Open Flow 220 Mcfd @ 15.025 Angle of Slope, 0 38 Slope, n .767

Remarks: _____

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