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File

Type Test [x] Initial [] Annual [] Special				Test Date 12/22/88	
Company Yates Petroleum Corporation				Connection Transwestern Pipeline Company	
Pool Pecos Slope ABO				Formation Pecos Slope	
Completion Date 6/17/88		Total Depth 4250.0'		Plug Back TD 4202.0'	
Elevation 4067.2'		Farm or Lease Name Monaghan QY Federal			
Csg Size 4.500"	Wt. 9.500#	d 4.090"	Set At 4250.0'	Perforations: From 3664.0' To 3672.0'	
Tbg Size 2.375"	Wt. 4.700#	d 1.995"	Set At 3610.0'	Perforations: From 0.0' To 0.0'	
Type well Single				Packer Set At 3610.0'	
Producing Thru Tubing		Resv. Temp. °F 97 @ 4200'		Mean Temp. °F 62.0	
Baro. Press. - Pa 13.2 psia.		State New Mexico			

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
3610.0'	3610.0'	.645	.01	5.40	0.00	0.000"	2.000"	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	46	800	0	0	0	0 hrs.
1.	2.067 X 1.000	380	4.9	47	709	62	0	0	24 hrs.
2.	2.067 X 1.000	380	6.2	45	673	62	0	0	24 hrs.
3.	2.067 X 1.000	390	10.5	46	638	62	0	0	24 hrs.
4.	2.067 X 1.000	390	14.0	45	600	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)	$\sqrt{hwP_m}$	Pressure P _m	Flow Temp Factor F _t	Gravity Factor F _g	Super Compress. Fact. F _{pv}	Rate of Flow Q, Mcfd
1.	4.947	43.89	393.20	1.013	1.245	1.036	284
2.	4.947	49.37	393.20	1.015	1.245	1.037	320
3.	4.947	65.07	403.20	1.014	1.245	1.038	422
4.	4.947	75.13	403.20	1.015	1.245	1.038	487
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.	A.P.I. Gravity of Liquid Hydrocarbons 0.000 Deg.	Specific Gravity Separator Gas .645	Specific Gravity Flowing Fluid .645	Critical Pressure 661.4 PSIA	Critical Temperature 355.7°R
1.	.59	507	1.43	.931						
2.	.59	505	1.42	.930						
3.	.61	506	1.42	.929						
4.	.61	505	1.42	.928						
5.	0.00	0	0.00	0.000						

Pc	813.2	Pc ²	661.3	
NO	Pt ²	Pw	Pw ²	Pc ² -Pw ²
1.	521.6	722.9	522.6	138.7
2.	470.9	687.1	472.1	189.2
3.	424.1	652.9	426.3	235.0
4.	376.0	615.6	379.0	282.3
5.	0.0	0.0	0.0	0.0

(1)	$\frac{Pc^2}{Pc^2 - Pw^2} = 2.3345$	(2)	$\left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 1.9031$
AOF = Q $\left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 928$ Mcfd			

Absolute Open Flow 928 Mcfd @ 15.025 Angle of Slope, 0 37 Slope, n .759

Remarks:

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