

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

Form C-122

RECEIVED

458
File

Type Test [x] Initial [] Annual [] Special				Test Date 12/29/88	
Company Yates Petroleum Corporation				Connection Transwestern Pipeline Company	
Pool ABO Pecos Slope ABO				Formation PECOS SLOPE ABO	
Completion Date 3/9/83				Total Depth 4300.0'	
Csg Size 4.500"				Wt. 9.500#	
Tbg Size 2.375"				Wt. 4.700#	
Type Well Single				Packer Set At 3647.0'	
Producing Thru Tubing				Resv. Temp. °F 100 @ 0'	
L 3647.0'				H 3647.0'	
Gg .650				%CO2 .03	
%N2 7.10				%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	45	900	0	0	0	0 hrs.
1.	2.067 X .750	150	10.2	45	736	62	0	0	24 hrs.
2.	2.067 X .750	150	26.6	46	549	62	0	0	24 hrs.
3.	2.067 X .750	130	46.4	45	433	62	0	0	24 hrs.
4.	2.067 X .750	130	55.0	44	240	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)	1/hwPm	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	2.709	40.80	163.20	1.015	1.240	1.014	141
2.	2.709	65.89	163.20	1.014	1.240	1.014	228
3.	2.709	81.51	143.20	1.015	1.240	1.012	281
4.	2.709	88.75	143.20	1.016	1.240	1.012	307
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	505	1.43	.973	A.P.I. Gravity of Liquid Hydrocarbons	0.000 Deg.
2.	.25	506	1.44	.973	Specific Gravity Separator Gas	.650
3.	.22	505	1.43	.977	Specific Gravity Flowing Fluid	.650
4.	.22	504	1.43	.976	Critical Pressure	658.5 PSIA
5.	0.00	0	0.00	0.000	Critical Temperature	352.6°R

Pc	913.2	Pc2	833.9
NO	Pt2	Pw	Pw2
1.	561.3	749.4	561.5
2.	316.1	562.8	316.7
3.	199.1	447.4	200.1
4.	64.1	255.7	65.4
5.	0.0	0.0	0.0

$$\frac{Pc2}{Pc2-Pw2} = \frac{1.0840}{(2)} \left[\frac{Pc2}{Pc2-Pw2} \right]^n = 1.0622$$

$$AOF = Q \left[\frac{Pc2}{Pc2-Pw2} \right]^n = 326 \text{ Mcfd}$$

Absolute Open Flow 326 Mcfd @ 15.025 Angle of Slope, 0 37 Slope, n .748

Approved By:	Conducted By: DAVID WEAVER	Calculated By: ANDREA CARPENTER	Checked By:
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