

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12 22 90	
Company YATES ENERGY		Connection AIR	
Well <i>Bandana Point - Strawn</i>		Formation STRAWN GAS	
Completion Date 12 15 90		Total Depth 10100	
Casing Size 4.500		Casing ID 8750	
Casing Weight 11.6		Casing Depth 4188	
Perforations From 8639 To 8667		Perforations From To	
Perforation Interval 2.375		Perforation Interval 4.7	
Perforation Interval 1.995		Perforation Interval 8576	
Type Well - Single - Perforated - G.O. or G.O. Multiple SINGLE GAS		Perforation Interval 8576	
Producing Through TBC		Reservoir Temp. °F 167 8653	
Mean Annual Temp. °F 60.0		Bub. Press. - P _b 13.2	
L 8653		H 8653	
C _g .631		% CO ₂ 1.09	
% N ₂ 1.64		% H ₂ S .00	
Prover 0		Meter Run 4.0	
Taps FLANGE			
FLOW DATA			
NO.	Prover Line Size	Orifice Size	Press. P.s.i.g.
1	14.00X1.500	248	4.0
2	14.00X1.500	253	10.0
3	14.00X1.500	261	43.0
4	14.00X1.500	260	76.0
5			
TEMPERATURE DATA			
NO.	Prover Line Size	Orifice Size	Press. P.s.i.g.
1	14.00X1.500	248	4.0
2	14.00X1.500	253	10.0
3	14.00X1.500	261	43.0
4	14.00X1.500	260	76.0
5			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_p \rho_m}$	Pressure P _m
1	10.85	32.32	261.2
2	10.85	51.59	266.2
3	10.85	108.58	274.2
4	10.85	144.09	273.2
5			
NO.	R ₁	Temp. °F	T ₁
1	44	512	1.41
2	40	512	1.41
3	41	504	1.39
4	41	503	1.39
5			
Gas Liquid Hydrocarbon Ratio $\frac{G}{L}$ 0			
A.P.I. Gravity of Liquid Hydrocarbons 63.1			
Specific Gravity Separator Gas 63.1			
Specific Gravity Flowing Fluid 63.1			
Critical Pressure 673 P.S.I.A.			
Critical Temperature 362 °F			
Absolute Open Flow 3852			
Field # 13 023			
Angle of Slope 55.0			
Slope, n 676			
Remarks: CLOSING SIZES 1ST RATE 7/16 2ND RATE 8/16 3RD RATE 1 1/4 4TH RATE 1 3/4			
Approved By Division			
Conducted By: BENNETT-CATHEY			
Calculated By: MONTY RANDOLPH			
Checked By:			

clsf
File