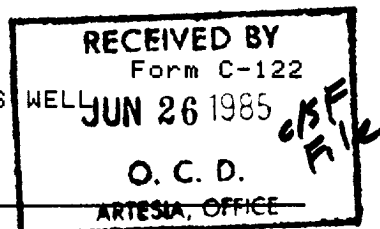


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS



Type Test [x] Initial [] Annual [] Special				Test Date 1/3/85	
Company Yates Petroleum Corporation				Connection Transwestern Pipeline Company	
Pool Benson				Formation Strawn	
Completion Date 3/31/84		Total Depth 12116.0'		Plug Back TD 11625.0'	
Elevation 3414.0'		Unit Benson Deep Unit			
Farm or Lease Name		Well No. 4			
Csg Size 4.500"	Wt. 9.500#	d 4.090"	Set At 12116.0'	Perforations: From 10829.0' To 10839.0'	
Tbg Size 2.375"	Wt. 4.700#	d 1.995"	Set At 10777.0'	Perforations: From 0.0' To 0.0'	
Type Well Single				Packer Set At 10777.0'	
Producing Thru Tubing		Resv. Temp. °F 120 @ 10834'		Baro. Press. - Pa 13.2 psia.	
Mean Temp. °F 62.0		County Eddy		State New Mexico	
L 10777.0'	H 10777.0'	Gg .725	%CO2 .29	%N2 1.88	%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	70	2718	0	0	0	0 hrs.
1.	2.067 X .875	395	13.3	70	2515	62	0	0	24 hrs.
2.	2.067 X .875	400	15.5	70	2467	62	0	0	24 hrs.
3.	2.067 X .875	430	21.5	70	2410	62	0	0	24 hrs.
4.	2.067 X .875	440	30.0	70	2325	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.	3.729	73.68	408.20	.991	1.174	1.046	334
2.	3.729	80.03	413.20	.991	1.174	1.046	363
3.	3.729	97.62	443.20	.991	1.174	1.050	445
4.	3.729	116.60	453.20	.991	1.174	1.051	532
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio
1.	.61	530	1.35	.915	2.740 Mcf/bbl.
2.	.62	530	1.35	.914	A.P.I. Gravity of Liquid Hydrocarbons 47.000 Deg.
3.	.67	530	1.35	.907	Specific Gravity Separator Gas .725
4.	.68	530	1.35	.905	Specific Gravity Flowing Fluid xxxxxx
5.	0.00	0	0.00	0.000	1.640
					Critical Pressure 665.7 PSIA
					633.7 PSIA
					Critical Temperature 391.5°R
					693.4°R

Pc 2731.2	Pc2 7459.5				
NO	Pt2	Pw	Pw2	Pc2-Pw2 (1)	Pc2 = 3.7480 (2)
1.	6391.8	2529.3	6397.4	1062.1	$\left[\frac{Pc2}{Pc2-Pw2} \right]^n = 2.6689$
2.	6151.4	2481.5	6157.8	1301.6	
3.	5871.9	2425.2	5881.4	1578.1	
4.	5467.2	2341.0	5480.2	1979.2	
5.	0.0	0.0	0.0	0.0	

$$AOF = Q \left[\frac{Pc2}{Pc2-Pw2} \right]^n = 1419 \text{ Mcfd}$$

Absolute Open Flow 1419 Mcfd @ 15.025 Angle of Slope, 0 37 Slope, n .743
 Remarks:

Approved By:	Conducted By: Tracy Richardson	Calculated By: Andie Carpenter	Checked By:
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