

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

C/8 7
Form C-122

RECEIVED

Type Test [X] Initial [] Annual [] Special				Test Date 12/24/82		MAR 08 1983	
Company Yates Petroleum Corporation				Connection Transwestern Pipeline Company			
Pool Undesignated <i>Elle 301</i>				Formation Box Canyon <i>Box Canyon</i>		Unit O.C.D. ARTESIA, OFFICE	
Completion Date 2/3/82		Total Depth 8500.0'		Plug Back TD 8446.0'		Elevation 4420.0'	
Csg Size 5.500"		Wt. 17.000#		Set At 4.892"		Perforations: From 8129.0' To 8134.0'	
Tbg Size 2.875"		Wt. 6.500#		Set At 2.441"		Perforations: From 0.0' To 0.0'	
Type Well Single				Packer Set At 8092.0'		County Eddy	
Producing Thru Tubing		Resv. Temp. °F 177 @ 8092'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia	
L 8128.0'		H 8128.0'		Gg .599		Prover 0.000"	
				%CO2 .29		%H2 .23	
				%H2S 0.00		Meter Run 2.000"	
						Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO	Prover Size	Orifice 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	65	2228	0	0	0	0 hrs.
1.	4.026	X 1.500	960	3.7	70	2114	62	0	0	24 hrs.
2.	4.026	X 1.500	810	5.8	69	2093	62	0	0	24 hrs.
3.	4.026	X 1.500	656	8.6	65	2056	62	0	0	24 hrs.
4.	4.026	X 1.500	504	16.8	70	2030	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.	10.841	60.01	973.20	.991	1.292	1.077	897
2.	10.841	69.10	823.20	.991	1.292	1.065	1022
3.	10.841	75.86	669.20	.995	1.292	1.054	1115
4.	10.841	93.21	517.20	.991	1.292	1.040	1345
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pc	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	1.45	530	1.49	.862	405.000 Mcf/bbl.	58.600 Deg.	.599	xxxxxxx	672.9 PSIA	354.5°R
2.	1.22	529	1.49	.881				xxxxxxx	672.7 PSIA	356.9°R
3.	.99	525	1.48	.899				xxxxxxx		
4.	.77	530	1.49	.925				xxxxxxx		
5.	0.00	0	0.00	0.000				xxxxxxx		

Pc 2241.2 Pc2 5023.0

NO	Pt2	Pw	Pw2	Pc2-Pw2 (1)	Pc2	Pc2-Pw2	(2)	Pc2	Pc2-Pw2	n
1.	4525.0	2128.7	4531.5	491.4	6.0356			3.9528		
2.	4436.1	2108.2	4444.6	578.4						
3.	4281.6	2071.7	4291.7	731.2						
4.	4174.7	2046.8	4189.4	833.5						
5.	0.0	0.0	0.0	0.0						

$$ROF = Q \left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 5317 \text{ Mcfd}$$

Absolute Open Flow 5317 Mcfd @ 15.025 Angle of Slope, 0 37 Slope, n .765
Remarks:

Approved By:	Conducted By: Ed Perry	Calculated By: Andie Alderson	Checked By:
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