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File

NEW MEXICO OIL CONSERVATION COMMISSION Form C-122
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL RECEIVED

Type Test [x] Initial [] Annual [] Special					Test Date 5/26/88		APR 10 '89	
Company Yates Petroleum Corporation					Connection Transwestern Pipeline Company		O. C. D. ARTESIA, OFFICE	
Pool <u>LoCo Hills</u> Atoka					Formation Wildcat		Unit	
Completion Date 3/10/86		Total Depth 11500.0'		Plug Back TD 11427.0'		Elevation 3617.0'		Farm or Lease Name Cedar Lake ADI Fed <u>com</u>
Csg Size 5.500"	Wt. 14.000#	d 5.012"	Set At 11500.0'	Perforations: From 10673.0' To 10681.0'		Well No. 1		
Tbg Size 2.875"	Wt. 6.500#	d 2.441"	Set At 10624.0'	Perforations: From 0.0' To 0.0'		Unit Sec Twp Rge E 26 17S 30E		
Type Well Single					Packer Set At 10626.0'		County Eddy	
Producing Thru Tubing		Resv. Temp. °F 196 @ 10677'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.		State New Mexico
L 10624.0'	H 10624.0'	Gg .631	%CO2 .49	%N2 .37	%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	78	2598	0	0	0	0 hrs.
1.	2.067 X .875	535	41.8	78	1782	62	0	0	24 hrs.
2.	2.067 X .875	540	55.2	79	1647	62	0	0	24 hrs.
3.	2.067 X .875	540	56.3	79	1496	62	0	0	24 hrs.
4.	2.067 X .875	550	64.0	78	1375	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	151.38	548.20	.983	1.259	1.045	730
2.	3.729	174.75	553.20	.982	1.259	1.045	842
3.	3.729	176.48	553.20	.982	1.259	1.045	850
4.	3.729	189.85	563.20	.983	1.259	1.046	917
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	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.	.82	538	1.48	.916	8.820 Mcf/bbl.	56.700 Deg.	.631	.939	672.4 PSIA	661.6 PSIA
2.	.82	539	1.48	.916						
3.	.82	539	1.48	.916						
4.	.84	538	1.48	.914						
5.	0.00	0	0.00	0.000						

Pc 2611.2		Pc2 6818.4	
NO	Pt2	Pw	Pw2
1.	3222.7	1796.6	3227.7
2.	2756.3	1662.1	2762.6
3.	2277.7	1511.3	2284.1
4.	1927.1	1390.8	1934.4
5.	0.0	0.0	0.0

$ROF = Q \left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 1154 \text{ Mcfd}$		$\frac{Pc^2}{Pc^2 - Pw^2} = 1.3781 \quad (2) \left[\frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 1.2596$
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Absolute Open Flow 1154 Mcfd @ 15.025 Angle of Slope, 0 36 Slope, n .720

Remarks:

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