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MAY 13 1991

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

Type Test [x] Initial [ ] Annual [ ] Special				Test Date 11/24/90	
Company Yates Petroleum Corporation			Connection Transwestern Pipeline Company		
Pool Strawn			Formation East Burton Flat		Unit
Completion Date 12/15/90	Total Depth 13100.0'		Plug Back TD 11555.0'	Elevation 3284.0'	Farm or Lease Name Gazelle AHG Fed
Csg Size 5.500" / Wt. 14.000# / d 5.012" / Set At 13100.0'			Perforations: From 11455.0' To 11496.0'		Well No. 2
Tbg Size 2.875" / Wt. 6.500# / d 2.441" / Set At 11365.0'			Perforations: From 0.0' To 0.0'		Unit Sec P 16 Twp 20S Rge 29E
Type Well Single			Packer Set At 11365.1'		County Eddy
Producing Thru Tubing	Resv. Temp. °F 184 @ 11477'	Mean Temp. °F 62.0	Baro. Press. - Pa 13.2 psia.		State New Mexico

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
11365.0'	11365.0'	.730	.45	1.76	0.00	0.000"	2.000"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO	Prover Size	X Orifice Size	Press. psig	Diff. hw	Temp. °F	Press. psig	Temp. °F	Press. psig	Temp. °F	Duration of Flow
SI	0.000	X 0.000	0	0.0	41	2566	0	0	0	0 hrs.
1.	3.068	X .625	320	7.7	45	1716	62	0	0	24 hrs.
2.	3.068	X .625	315	9.6	42	1427	62	0	0	24 hrs.
3.	3.068	X .625	310	15.4	41	1035	62	0	0	24 hrs.
4.	3.068	X .625	310	20.0	43	390	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)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	1.850	50.65	333.20	1.015	1.170	1.044	116
2.	1.850	56.13	328.20	1.018	1.170	1.045	129
3.	1.850	70.55	323.20	1.019	1.170	1.044	162
4.	1.850	80.40	323.20	1.017	1.170	1.043	185
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z
1.	.50	505	1.28	.917
2.	.49	502	1.28	.917
3.	.48	501	1.27	.917
4.	.48	503	1.28	.918
5.	0.00	0	0.00	0.000

Gas Liquid Hydrocarbon Ratio	Dry	Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons	0.000	Deg.
Specific Gravity Separator Gas	.730	xxxxxxxxxxxx
Specific Gravity Flowing Fluid	xxxxx	.730
Critical Pressure	666.5 PSIA	666.5 PSIA
Critical Temperature	393.2°R	393.2°R

Pc 2579.2 Pc^2 6652.3

NO	Pt^2	Pw	Pw^2	Pc^2-Pw^2
1.	2990.1	1729.2	2990.3	3662.0
2.	2074.2	1440.3	2074.4	4577.9
3.	1098.7	1048.4	1099.0	5553.2
4.	162.6	403.8	163.1	6489.2
5.	0.0	0.0	0.0	0.0

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.0240$ (2) $\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 1.0194$

$AOF = Q\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 188$ Mcfd

Absolute Open Flow	188 Mcfd @ 15.025	Angle of Slope, θ 39	Slope, n .809

Remarks:

Approved By:	Conducted By:	Calculated By:	Checked By:
	Ed Perry	Andrea Carpenter	