Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-122
Revised 4-1-1991

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OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: MYCO Industries, Inc.				Lease or Unit Name: Austin State	
Test Type: ☒ Initial ☐ Annual ☐ Special				Test Date: 3-7-2001	Well No.: 1
Completion Date: 03-07-2001	Total Depth: 12100		Plug Back TD: 11,102	Elevation: 3121' GL	Unit Ltr - Sec - TWP - Rge.: S36-T21S-27E
Csg. Size: 5.500 / Wt.: 17.000 / d: 4.892 / Set At: 12100			Perforation: From 11648 To 11684		County: Eddy County
Tbg. Size: 2.875 / Wt.: 6.500 / d: 2.441 / Set At: 11590			Perforation: From 11648 To 11684		Pool: Carlsbad Morow, E
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: New Well				Packer Set At: 11,590	Formation: Morrow "B"
Producing Thru: Tubing	Reservoir Temp.F: 169	Mean Annual Temp.F: 66		Baro. Pressure: 14.69	Connection: Expected May 15,2001
L: 12070 / H: 12070	Gg: .598	% CO_2: 1.12	% N_2: .23	% H_2S:	Prover: X / Meter Run: 4.0000 / Taps: Pipe

	Flow Data				Tubing Data		Casing Data		SIP/Flow Duration (HRS.)
No.	(Prover) Line Size x Orifice Size		Press. PSIG	Diff. h_w	Temp. F	Press. PSIG	Temp. F	Press. PSIG	Temp. F	
Shut-in Pressure						2210	66			72
1.	4.00	x 1.75	721.00	8.30	66	1812	66			2
2.	4.00	x 1.75	729.00	17.50	64	1710	66			2
3.	4.00	x 1.75	744.00	29.30	57	1615	66			2
4.	4.00	x 1.75	759.00	41.50	58	1532	68			2

RATE OF FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. FACTOR F_t	Gravity FACTOR F_g	Super Compress. FACTOR F_{pv}	Rate of Flow (Q) MCFD
1.	15.630	78.142	735.7	.9943	1.2932	1.0588	1662.8
2.	15.630	114.081	743.7	.9962	1.2932	1.0604	2435.7
3.	15.630	149.096	758.7	1.0029	1.2932	1.0651	3219.0
4.	15.630	179.187	773.7	1.0019	1.2932	1.0659	3868.0

No.	P_r	TEMP.	T_r	Z
1.	1.087	526	1.487	.8920
2.	1.099	524	1.481	.8893
3.	1.121	517	1.461	.8815
4.	1.143	518	1.464	.8801

Gas-Liquid Hydrocarbon Ratio			Mcf/bbl
API Gravity of Liquid Hydrocarbons	53.9		Deg.
Specific Gravity Separator Gas	.598		
Specific Gravity Flowing Fluid		.598	
Critical Pressure	676 PSIA	676	PSIA
Critical Temperature	353 R	353	R

P_C = 2224.7 P_C^2 = 4949.2

No.	Pw	Pw^2	$Pc^2 - Pw^2$
1.	1838.6	3380	1568.843
2.	1751.1	3066	1883.027
3.	1677.7	2814	2134.563
4.	1619.3	2622	2327.106

(1) $\frac{P_C^2}{P_C^2 - P_W^2} = 2.127$ (2) $\left[\frac{P_C^2}{P_C^2 - P_W^2}\right]^n = 5.054$

$AOF = Q\left[\frac{P_C^2}{P_C^2 - P_W^2}\right]^n = 19547$

Absolute Open Flow	19547	Mcfd @ 15.025	Angle of Slope -	25.0	Slope, n 2.147
Remarks	Well Produced 1.3-BBls of 53.9 API Gravity Condensate				
Approved By Division:		Conducted By: A.N.Muncy, PELS		Calculated By: BPT System	Checked By: A.N.Muncy