

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5/11/90	
Company MYCO INDUSTRIES, INC.		Connection FLARE AIR	
Pool NORTH TURKEY TRACK MORROW		Formation MORROW GAS	
Completion Date 5/11/90		Total Length 11496	
Plug Back TD 11429		Elevation 3481.4' GR.	
Casing Size 5.500		Well No. 1	
Well Size 2.875		Unit K	
Set At 11496		Sec. 23	
Set At 11128		Twp. 18S	
Type Well - Single - Drilled - G.C. or G.O. Multiple SINGLE GAS		County EDDY	
Producing Thru TUBING		State N.M.	
Reservoir Temp. °F 169		Mean Annual Temp. °F 60.0	
Base. Press. - P ₀ 13.2		Prover .0	
L 11255		Meter Run 4.0	
H 11255		Taps FLANGE	
G _g .651		% CO ₂ .94	
% N ₂ .47		% H ₂ S .00	
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	4.00 X .500		500.
2.	4.00 X .500		520.
3.	4.00 X .500		510.
4.	4.00 X .500		500.
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	1.18	55.49	513.2
2	1.18	100.65	533.2
3	1.18	141.00	523.2
4	1.18	217.29	513.2
5			
NO.	P ₁	Temp. °R	T ₁
1	76	520.	1.40
2	79	520.	1.40
3	78	520.	1.40
4	76	520.	1.40
5			
Gas Liquid Hydrocarbon Ratio _____ 0 Mcl/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ 49.2 Deg.			
Specific Gravity Separator Gas _____ .651			
Specific Gravity Flowing Fluid _____ .651			
Critical Pressure _____ 673. P.S.I.A.			
Critical Temperature _____ 372. R			
P _c 3017.5 P _c ² 9105			
NO.	P ₁	P _w	P _w ²
1	16130.	3005.	9032.
2	15866.	2979.	8872.
3	15549.	2946.	8680.
4	14901.	2879.	8290.
5			
(1) $\frac{P_c^2}{P_w^2 - P_c^2} = 11.1694$			
(2) $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 3.9398$			
AOR = Q $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 1320$			
Absolute Open Flow _____ 1320 Mcl @ 15.025 Angle of Slope α _____ 60.4			
Slope, n _____ .568			
Remarks: CHOKE SIZES: 1ST RATE 2/64 2ND RATE 3/64 3RD RATE 4/64 4TH RATE 5/64			
Approved By Division		Conducted By: BENNETT & CATHEY	
Calculated By: M.R. RANDOLPH		Checked By: JIM SMITH	

Post ID-2
7-6-90
Camp & BK