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See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MYCO INDUSTRIES, INC.				Lease or Unit Name REFLEX FEDERAL			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-4-96		Well No. 1	
Completion Date 10-11-95		Total Depth 11350		Plug Back TD 11284		Elevation 3460' GR	
Casing Size 5 1/2		Wt. 17#		Set At 4,892		Perforations: 11108 To 11189	
Tubg. Size 2 7/8		Wt. 7.9		Set At 2,254		Perforations: OPEN To ENDED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 11053		Formation MORROW	
Producing Thru TAB		Reservoir Temp. °F 144.5		Mean Annual Temp. °F 60		Baro. Press. - P _s 13.2	
L 11053		H 11053		G _g .894		% CO ₂ .79	
				% N ₂ .09		% H ₂ S 0	
				Prover 0		Meter Run 4,026	
						Taps 1-66	

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F			
SI						3254		PKE			20 NR.	
1.	4	X 2.500	670	2.00	56	3148		11			1 NR.	
2.	4	X 2.500	680	6.00	58	3042		11			1 NR.	
3.	4	X 2.500	700	13.00	55	2936		11			1 NR.	
4.	4	X 2.500	715	20.00	59	2838		11			1 NR.	
5.												

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.	32.64	36.96	683.2	1.004	1.058	1.235	1.583
2.	32.64	64.49	693.2	1.002	1.058	1.238	2.763
3.	32.64	96.29	713.2	1.005	1.058	1.252	4.184
4.	32.64	120.68	728.2	1.001	1.058	1.285	5.361
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.	1.03	516	1.13	.656	385.861	1.235	1.583
2.	1.04	518	1.14	.652	54.1 @ 60°	1.238	2.763
3.	1.07	515	1.13	.638	.894	1.252	4.184
4.	1.10	519	1.14	.606	XXXXX	1.285	5.361
5.							

P_c **3267.2** P_w **16674.6**

NO.	P _c ²	P _w ²	P _c ² - P _w ²
1.	10674.6	10046.7	627.9
2.	3081.2	9493.5	1181.1
3.	3009.2	9035.4	1619.2
4.	2950.5	8782.7	1968.9
5.			

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.422$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.422$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 29.065$

Absolute Open Flow	29,065	Mcfd @ 15.025	Angle of Slope @	45	Slope, n	1.000
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Remarks: **WELL PRODUCED 1.5 EBLS 54.1 API GR. CONDENSATE**

Approved By Division	Conducted By: Canoj Guerrero	Calculated By: BM	Checked By: BM
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