

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

Form C-122
Revised 9-1-65

C/SF C-122 4565

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-22-82		FEB 2 1982	
Company CITIES SERVICE COMPANY ✓				Connection TO ATMOSPHERE					
Pool TURKEY TRACK				Formation MORROW				Unit O. C. D.	
Completion Date 1-22-82				Total Depth 11,356		Plug Back TD 11,308		Elevation 3426.2 G.L.	
Farm or Lease Name Government "AM"				Well No. 1		Unit 0		Sec. Twp. Rge. 33 18S 29E	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At 10,971				County Eddy	
Producing Thru Tubing				Reservoir Temp. °F 183° 11,139		Mean Annual Temp. °F 60°		State New Mexico	
L 11,139		H 11,139		Gg .6632		% CO ₂ .785		% N ₂ 2.085	
						% H ₂ S -0-		Prover 4"	
								Meter Run Flange	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	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			S.I.				2192		PKR	CHOKE	71 HRS.
1.	4"	X	1.00	600	8	76°	1715	56°		6/64	1 HR.
2.	4"	X	1.00	600	11	72	1330	56		7.5/64	1 HR.
3.	4"	X	1.00	600	10	78	1007	57		9/64	1 HR.
4.	4"	X	1.00	600	10	82	703	57		12/64	1 HR.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.753	70	613.2	.9850	1.228	1.056	425
2	4.753	82.13	613.2	.9887	1.228	1.058	503
3	4.753	78.31	613.2	.9831	1.228	1.056	475
4	4.753	78.31	613.2	.9795	1.228	1.055	472
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio T.S.T.M. Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature R
1.	.914	536	1.44	.896			.6632	XXXXXX		
2.	.914	532	1.43	.893						
3.	.914	538	1.44	.896						
4.	.914	542	1.45	.898						
5.										

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	2297.1	1797.9	3232.4	2044.3	2.581	1.606
2	5276.7	1387.1	1924.0	3352.7		
3		1075.8	1157.3	4119.4		
4		827.1	684.1	4592.6		
5						

Absolute Open Flow 683 Mcfd @ 15.025		Angle of Slope θ 63.5°		Slope, n 5000	
Remarks: Use 63.5° Thru Low Rate.					
Approved By Commission:		Conducted By: T.B.		Checked By: M.K.	