

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

Form C-122
 Revised 9-1-65

30-045-23555

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-22-79			
Company Manana Gas, Inc.				Connection El Paso Natural Gas Co.			
Pool Aztec				Formation Pictured Cliffs		Unit	
Completion Date 9-15-79		Total Depth 2004		Plug Back TD 1955		Elevation 5551'6 L	
Form or Lease Name Mary Ackroyd							
Csg. Size 2.875	Wt. 6.25	d 	Set At 1991	Perforations: From 1898 To 1918		Well No. 2	
Thg. Size 1.660	Wt. 2.4	d 1.380	Set At 1916	Perforations: From To		Unit Sec. Twp. Rge. J 18 30 11	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 9		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a 12							
L	H	G _g 0.650	% CO ₂	% N ₂	% H ₂ S	Prover 2"	Meter Run Taps

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	2"	x	0.375				236		246		
1.				90		59			206		3 hrs.
2.											
3.											
4.											
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 _{pv}	Rate of Flow Q, Mcfd
1	3.142		102	1.001	0.9608	1.009	311
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/ubl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _i ² - P _w ²	(1) $\frac{P_c^2}{P_i^2 - P_w^2} = 3.4960$ (2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 2.8976$ AOF = Q $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 901$
1	66564	218	45724	19040	
2					
3					
4					

Absolute Open Flow _____ 901 _____ Mcf @ 15.025		Angle of Slope @ _____ Slope, n .85	
Remarks: _____			

Approved By Commission	Conducted By H. E. McAnally	Calculated By H. E. McAnally	Checked By
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