

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

Form G-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 11-24-79				
Company Manana Gas, Inc.				Connection EPNG					
Pool Bloomfield				Formation Farmington				Unit	
Completion Date 11-17-79		Total Depth 1220		Plug Back TD 1179		Elevation 5521' GL		Farm or Lease Name Aunt Maggie	
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 1216	Perforations: From 811 To 1127		Well No. #2			
Thg. Size 1.315	Wt. 1.80	d 1.049	Set At 1105	Perforations: From To		Unit Sec. Twp. Hgs. I 25 29 11			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.600	% 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.	
SI							211		210	
1.							29	50	180	
2.	2.0"		0.250							
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, Mc/d
1	1.436		41	1.0098	1.000	1.003	60
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	DIST XXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 223	P _c ² 49729	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.8654$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.1559$
NO.	P _f	P _w	P _w ²
1		192	36864
2			
3			
4			
5			

AOR = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 189$		Absolute Open Flow 189 Mc/d @ 15.025		Angle of Slope @		Slope, n 0.85	
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Remarks: The well produced a heavy mist of water throughout the test.

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