NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 3-13-78	
Company: Manana Gas, Inc.		Connection: Waiting on Connection			
Pool: Aztec Fruitland		Formation: Fruitland			Unit
Completion Date: 2/7/78	Total Depth: 2857'	Plug Back TD: 1710'	Elevation: 5446 GL		Farm or Lease Name: GIGI
Csg. Size: 5½" / Wt.: 14# / d / Set At: 1757		Perforations: From 1460 To 1486			Well No.: 1
Tbg. Size: 2 3/8 / Wt.: 2.4# / d / Set At: 1507		Perforations: From – To –			Unit: M / Sec.: 24 / Twp.: 29N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: none			County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 0	Mean Annual Temp. °F	Baro. Press. – P_a		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI						183		190		7 Day
1.		½"	58		40	58		95		3 Hr.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	5.5233		70	1.0198	1.000	1.000	394
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

MAR 31 1978
OIL CON. COM.
DIST. 3

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.33$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2770$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 504$

Absolute Open Flow 504 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	C. Little	Ed Hartman	