OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

30-045-26772

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [*] Initial [ ] Annual [ ] Special		Test Date: 6-3-87	
Company: MANANA GAS INC.	Connection: Waiting on El Paso Connection		
Pool: Otero-Chacra	Formation: CHACRA		Unit:
Completion Date: 6/3/87	Total Depth: 2968	Plug Back TD: 2918	Elevation: 5503
Farm or Lease Name: JAN REDDING			
Csg. Size: 4.500	Wt.: 10.5	d:	Set At: 2954
Perforations: From 2716 To 2826	Well No.: #1		
Tbg. Size: 2.375	Wt.:	d:	Set At: 2814
Perforations: From To	Unit: D Sec.: 22 Twp.: 29N Rge.: 11W		
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE	Packer Set At: none	County: S.J.	
Producing Thru: TBG	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:
State: N.M.			

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						985		985		
1.		.750				112	60	514		1 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	12.3650		124	1.000	.9608	1.011	1489
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z_t
1.				
2.				
3.				
4.				
5.				

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Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .650 est. XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 997 P_c^2 994009

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		526	276676	717333
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.3857 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.2772

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1902

Absolute Open Flow 1902 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Very wet w/ water & distillate through out test

Approved By Division	Conducted By	Calculated By	Checked By:
	C.R. Wagner	CRW	

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