

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
DEC 15 1989
CON

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date II-29-89	
Company MANANA GAS INC.			Connection		
Pool			Formation CHACRA		Unit
Completion Date		Total Depth	Plug Back TD 2777	Elevation	Form or Lease Name MARIAN S
Coq. Size 4.5	Wi. 10.5	d 4.052	Set At	Perforations: From 2578 To 2710	Well No. #I
Tbg. Size NO	Wi.	d	Set At	Perforations: From To	Unit Sec. Twp. Rge. 27 29N IIW
Type Well - Single - Drdndhead - G.C. or G.O. Multiple SINGLE				Packer Set At	County S. J.
Producing Thru CSG		Reservoir Temp. °F p	Mean Annual Temp. °F	Baro. Press. - P _g	State N.M.
I676	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run	Taps		

NO.	FLOW DATA			TUBING DATA		CASING DATA		Duration of Flow			
	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							CALC.		8T2	8 DAYS	
1.			.750				79		66	56	3HRS
2.											
3.											
4.											
5.											

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	12.3650		78	1.004	.9608	1.009	938
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas _____
1.						.650 est. XXXXXXXXXX
2.						XXXXXX
3.						Critical Pressure _____ P.S.I.A. P.S.I.A.
4.						Critical Temperature _____ R R
5.						

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	P _c ²	P _w ²	P _c ² / (P _c ² - P _w ²)	P _c ² / (P _c ² - P _w ²) ⁿ
2								
3								
4								
5								

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 944$$

Absolute Open Flow 944 Mcfd @ 15.025 Angle of Slope @ _____ Slope, n .75

Remarks: Very wet with water throught out test

Approved By Division _____ Conducted By C. R. WAGNER Calculated By: C. R. W. Checked By: _____

DEC 16 1989