

30-045-26721

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-16-86	
Company MANANA GAS INC.				Connection Not under Contract		
Pool Otero Chacra				Formation CHACRA		Unit
Completion Date 10/16/86		Total Depth 2824		Plug Back TD 2773		Elevation 5433 GL
Form or Lease Name NANCY HARTMAN						Well No. #2
Csg. Size 4.50"	Wt. 10.5	d	Set At 2815	Perforations: From 2627 To 2754		Unit P
Thq. Size 2.375"	Wt.	d	Set At 2724	Perforations: From To		Sec. Twp. Rge. 22 29N IIW
Type Well - Single - Dradhead - G.G. or G.O. Multiple SINGLE CHACRA				Packer Set At None		County SAN JUAN
Producing Thru TBG		Reservoir Temp. °F p		Mean Annual Temp. °F		State N.M.
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
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							831		833		7 DAY
1.			.750				222	60	395		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcld
1	12.3650		234	1.000	.9608	1.023	2344
2.							
3.							
4.							
5.							

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

NO.	P _i ²	P _w	P _r ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		407	165649	548376	1.3021	1.2189
2						
3						
4						
5						

Absolute Open Flow 3467 Mcld @ 15.025				Angle of Slope @ OCT 24 1986 Slope, n .75	
Remarks: VERY HEAVY FOG OF WATER THROUGH OUT TEST					
OIL CON. DIV. DIST. 3					
Approved By Division		Conducted By: C.R. WAGNER		Calculated By: C.R. WAGNER	
				Checked By:	