

30-045-26731

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	
Pool				Formation CHACRA	
Completion Date		Total Depth		Plug Back TD 2815	
Elevation		Farm or Lease Name MARY JANE		Unit #1	
Csq. Size 4.5	Wt. 10.5	d 4.052	Set At 2845	Perforations: From 2622 To 2732	
Thq. Size NO	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE CHACRA				Packer Set At NO	
Producing Thru CSG		Reservoir Temp. °F p		Mean Annual Temp. °F	
Baro. Press. - P _a		State N.M.		County SAN JUAN	
L I704	H	G _g	% 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							CALC.		975		7 DAYS
1.			.750				208	60	196		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, Mcfd
1	12.3650		208	1.000	.9603	1.020	2521
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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

P _c 987 P _c 974163				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	43264	220	48400	925769
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0523$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2619$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0390$

Absolute Open Flow 2619	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: NO TBC- CASING FLOW - CALCULATE PW
HEAVY FOG OF WATER THROUGH OUT TEST

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