Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: MARALO, INC.				Lease or Unit Name: COCHITI FEDERAL COM. 5	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7-25-95	Well No.: 1
Completion Date: 6-23-95	Total Depth: 12200		Plug Back TD: 11825	Elevation:	Unit Ltr. - Sec. - TWP - Rge.: 5-24S-29E
Csg. Size: 4½	Wt.: 15.1	d:	Set At: 12200	Perforations: From: 11460 To: 11568	County: EDDY
Tbg. Size: 2-7/8	Wt.: 6.5 6.4	d:	Set At: 11192	Perforations: From: To:	Pool:
Type Well - Single - Bradenhead - G.G. or G.O. Multiple			Packer Set At: 11200		Formation: WOLFCAMP
Producing Thru: TBG	Reservoir Temp. °F: 18515 @11147	Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2		Connection: SALES LINE

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
*11147	11147	.655	.65	.28			3.068	FLG

	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					4090		PKR		72 hr.
1.	3 X 1.500	345	9.00	112	3960		"		1 hr.
2.	3 X 1.500	355	20.00	117	3760		"		1 hr.
3.	3 X 1.500	360	34.00	116	3530		"		1 hr.
4.	3 X 1.500	380	55.00	106	3225		"		1 hr.
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, F pv.	Rate of Flow Q, Mcfd
1.	11.13	56.78	358.2	.9535	1.236	1.028	765
2.	11.13	85.81	368.2	.9493	1.236	1.029	1153
3.	11.13	112.64	373.2	.9501	1.236	1.029	1517
4.	11.13	147.05	393.2	.9585	1.236	1.031	1999
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.53	572	1.52	.946
2.	.54	577	1.53	.945
3.	.55	576	1.53	.945
4.	.58	566	1.50	.941
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .655 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 670 P.S.I.A. P.S.I.A.
Critical Temperature: 375 R R

**P_c 4143.8 P_c^2 17171.1

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	**	3996.7	15973.6	1197.5
2.	**	3847.1	14800.2	2370.9
3.	**	3675.8	13511.5	3659.6
4.	**	3446.6	11879.1	5292.0
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.244$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.207$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.412$

Absolute Open Flow: 4,412 Mcfd @ 15.025 Angle of Slope θ: 56.1 Slope, n: .6726

Remarks: *=BHP INSTRUMENT SET @ THIS DEPTH
** TEST CALCULATED FROM KNOWN BHP'S

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTER	MB	BM