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

State of New Mexico
Energy, Minerals and Natural Resources Dep. ent RECEIVED

Form C-122 c/sf
Revised 4-1-91

OIL CONSERVATION DIVISION

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

OCT 11 '94
O. C. D.
ARTESIA, OFFICE

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: MARALO, INC.					Lease or Unit Name: STATE "11" COM			
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 10-4-94		Well No.: 1	
Completion Date: 08-17-94		Total Depth: 11228		Plug Back TD: 11228	Elevation: 3419' GR		Unit Ltr. - Sec. - TWP. - Rge.: I 11-19S-28E	
Csg. Size: 5½	Wt.: 17#	d:	Set At: 11007	Perforations: From: 11066	To: 11074		County: EDDY	
Tbg. Size: 2 7/8	Wt.:	d:	Set At: 11045	Perforations: From:	To:		Pool: ~~UNDESIG.~~ Turkey Track MORROW	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single				Packer Set At: 11007			Formation: MORROW	
Producing Thru: tbg.	Reservoir Temp. °F	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2			Connection: Pipeline	
L: *11037	H: *11037	Gg: .628	% CO_2: .70	% N_2: .28	% H_2S:	Prover:	Meter Run: 4.026	Taps: 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					2890				
1.	4.026 X 1.500	200	5	79	2665		pkr		1 hr.
2.	4.026 X 1.500	275	14.5	70	2405		"		1 hr.
3.	4.026 X 1.500	300	30	62	2080		"		1 hr.
4.	4.026 X 1.500	310	56	84	1685		"		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, Fpv.	Rate of Flow Q, Mcfd
1.	10.84	32.65	213.2	.9822	1.262	1.019	447
2.	10.84	64.64	288.2	.9905	1.262	1.025	898
3.	10.84	96.93	313.2	.9981	1.262	1.030	1,363
4.	10.84	134.53	323.2	.9777	1.262	1.025	1,844
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.31	539	1.47	.964
2.	.42	530	1.45	.951
3.	.46	522	1.43	.942
4.	.48	544	1.49	.951
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .628 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 671 P.S.I.A. P.S.I.A.
Critical Temperature: 365 R R

P_c 2987.8 P_c^2 8926.9

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		2767.6	7659.6	1267.3
2.		2488.8	6194.1	2732.8
3.		2169.4	4706.3	4220.6
4.		1771.3	3137.5	5789.4
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.542$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.525$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.812$

Absolute Open Flow: 2,812 Mcfd @ 15.025 Angle of Slope θ: 46 Slope, n: .97367

Remarks: NO FLUID PRODUCED DURING TEST

* = BHP INTRUMENT SET @ THIS DEPTH

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