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

RECEIVED
OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: U.M.C Petroleum					Lease or Unit Name: Parkway 28		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 8-27-97	Well No. 2	
Completion Date: 8/13/97	Total Depth: 11490		Plug Back TD: 11501		Elevation: 3315 GL	Unit Ltr. - Sec. - TWP - Rge.: 28 19-S 29-E	
Csg. Size: 5½	Wt.: 17/20	d: 4.892 / 4.778	Set At: 11501	Perforations: From: 11390	To: 11426	County: Eddy	
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set At: 11100	Perforations: From:	To:	Pool: W Parkway Morrow	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single			Packer Set At: 11100			Formation: Morrow	
Producing Thru: Tbg	Reservoir Temp. °F: 175.31	Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2			Connection: Air	
L: 11100	H: 11100	Gg: .610	% CO_2: 1.05	% N_2: .24	% H_2S: 0	Prover: 0	Meter Run: 3.068	Taps: F/G

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	TUBING DATA: Temp. °F	CASING DATA: Press. p.s.i.g.	CASING DATA: Temp. °F	Duration of Flow
SI					3215		PKR		120 Hr. SI.
1.	3.068 X 1.250	260	5"	72°	2750	82°			60 min
2.	3.068 X 1.250	260	20"	72°	2260	78°			60 min
3.	3.068 X 1.250	260	32"	71°	1860	78°			60 min
4.	3.068 X 1.250	260	48"	71°	1210	77°			60 min
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.	7.577	36.9	273.2	.9887	1.280	1.044	369
2.	7.577	73.9	273.2	.9887	1.280	1.044	739
3.	7.577	93.5	273.2	.9896	1.280	1.044	936
4.	7.577	114.5	273.2	.9896	1.280	1.044	1147
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.78	532	1.48	.918
2.	.78	532	1.48	.918
3.	.78	531	1.48	.918
4.	.78	531	1.48	.918
5.				

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: .610 XXXXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 674 P.S.I.A. P.S.I.A.
Critical Temperature: 354 R R

P_c 3278.8 P_c^2 10750.5

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		2881.8	8304.7	2445.8
2.		2599.6	6757.9	3992.6
3.		2323.5	5398.6	5351.9
4.		2024.7	4099.4	6651.1
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.61$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.61$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1846$

Absolute Open Flow: 1846 Mcfd @ 15.025 | Angle of Slope θ: 45 | Slope, n: 1.000

Remarks: *Calculated From known Bottom hole pressure
*No liquid made during test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Pro Well testing	M.B.	B.M.