OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
JUN 5 1989
OIL CON. DIV.
DIST. 3

Type Test			Test Date
[X] Initial	[ ] Annual	[ ] Special	6/13/89

Company	Connection	Unit
Union Texas Petroleum Corp.	Union Texas Petroleum Corp.	

Pool	Formation	
Blanco	Mesaverde	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
5/31/89	8320	6300	7248 GL.	McCroden

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.500	11.60	4.000	8314	From 5901 To 5972	6

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	5938	From Open Ended	P	3	25N	3W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single-Gas		Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing			12	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	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	2	3/4				1043		1082		7 Days
1.						158	74°	535	74°	3 Hours
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		170	0.9868	0.9258	1.020	1959
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

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

P_c 1094 P_c^2 1,196,836

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		547	299,209	897,627
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3333$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2408$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2431$

Absolute Open Flow 2431 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: Made heavy mist for 3 hours 50% water & 50% oil.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Jeff Davis	John C. Rector	