STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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 WELL

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8/20/87	
Company: Union Texas Petroleum Corp.	Connection: ElPaso Natural Gas Co.			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 8/7/87	Total Depth: 6860	Plug Back TD: 6817	Elevation: 6342 GL	Farm or Lease Name: Starr
Csg. Size: 7.625 / 5.500 — Wt.: 26.4 / 26.0 — d: 6.969 / 4.548 — Set At: 2475 / 2286-6848 — Perforations: From 6550 To 6750				Well No.: 3M
Tbg. Size: 1.900 — Wt.: 2.9 — d: 1.610 — Set At: 6723 — Perforations: From 6689 To 6695				Unit: E — Sec.: 5 — Twp.: 26N — Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple-Gas		Packer Set At: 5028		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico
L: 4749 — H: — — Gg: 0.710 — % CO_2: — — % N_2: — — % H_2S: — — Prover: — — Meter Run: — — Taps:				

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"				942				12Days
1.						50	58°			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		62	1.0019	0.9193	1.007	711
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 954 — P_c^2 910,116

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		299	89,401	820,715
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1089$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0806$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 768$

RECEIVED
AUG 25 1987
OIL CON. DIV.
DIST. 3

Absolute Open Flow 768 Mcfd @ 15.025 — Angle of Slope _____ — Slope, n _____

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Connie Clevenger	John C. Rector	