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 WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 3/14/85	
Company: Union Texas Petroleum Corp.			Connection: El Paso Natural Gas Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 2/14/85	Total Depth: 6280		Plug Back TD: 6236	Elevation: 6002	Farm or Lease Name: Richardson
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 6274			Perforations: From 6005 To 6107		Well No.: 5-E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6059			Perforations: From Open-Ended To		Unit: P / Sec.: 10 / Twp.: 27N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: NA		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: e	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6047		0.650						

	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"				2060		2065		7 Days
1.						86	74°	407		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		98	0.9868	0.9608	1.000	1149
2.							
3.							
4.							
5.							

NO.	P_t	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 2077 P_c^2 4,313,929

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		419	175,561	4,138,368
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0424$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0316$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1185$

Absolute Open Flow 1185 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Floyd Woodward	Ken Roddy	