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: 12/22/86	
Company: Union Texas Petroleum Corp.		Connection: El Paso Natural Gas Co.			
Pool: Otero		Formation: Chacra		Unit	
Completion Date: 12/10/86	Total Depth: 3142	Plug Back TD: 3092	Elevation: 5615' GL	Farm or Lease Name: Zachry	
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.441 / Set At		Perforations: From 2870 To 2980		Well No.: 60	
Tbg. Size / Wt. / d / Set At		Perforations: From To		Unit: D / Sec.: 34 / Twp.: 29N / Rge.: 10W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At		County: San Juan	
Producing Thru: Casing	Reservoir Temp. °F	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
2870		0.670						

	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"						906		7 Days
1.								192	67°	3 Hrs
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		204	0.9933	0.9463	1.021	2421
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 918 P_c^2 842,724

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		255	65,025	777,699
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0836$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0620$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2571$

Absolute Open Flow 2571 Mcfd @ 15.025 Angle of Slope @ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bennie Brown	John Rector	