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: 4/27/84				
Company: Union Texas Petroleum Corp.			Connection: El Paso Natural Gas Company				Unit	
Pool: Basin			Formation: Dakota					
Completion Date: 2/9/84	Total Depth: 6374		Plug Back TD: 6328		Elevation: 5603		Farm or Lease Name: McCord	
Csg. Size: 7.000	Wt.: 26.00	d: 6.276	Set At: 6374	Perforations: From 6116	To 6249		Well No.: 6-E	
Tbg. Size: 2.375	Wt.: 4.70	d: 1.995	Set At: 6201	Perforations: From Open-Ended	To		Unit: P	Sec.: 9	Twp.: 30N	Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual Gas - Oil				Packer Set At: 5650			County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F		Mean Annual Temp. °F	Baro. Press. – P_a: 12			State: New Mexico	
L: 5291	H	Gg: 0.700	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"	3/4"				1443				16 days
1.						286	80°			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		298	0.9813	0.9258	1.029	3445
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 1455 P_c^2 2,117,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			336,393	1,780,632
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1889$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1385$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3922$

Absolute Open Flow 3922 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	