NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAY 14 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5/9/84	
Company: Union Texas Petroleum Corp.		Connection: El Paso Natural Gas Company			Unit
Pool: Basin		Formation: Dakota			
Completion Date: 2/26/84	Total Depth: 6470	Plug Back TD: 6426	Elevation: 5738		Farm or Lease Name: McCord
Csg. Size: 7.000 / Wt.: 26.00 / d: / Set At: 6470		Perforations: From 6151 To 6336			Well No.: 10-E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6327		Perforations: From Open-ended To			Unit: F / Sec.: 33 / Twp.: 30N / Rge.: 13W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Dual		Packer Set At: 5860			County: San Juan
Producing Thru: Tubing	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
6317		0.700						

	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"				1823				48 days
1.						371	85°			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		383	0.9768	0.9258	1.039	4450
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1835 P_c^2 3,367,225

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1			628,075	2,739,150
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2293$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1674$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5195$

Absolute Open Flow 5195 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

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