OIL CONSERVATION DIVISION

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: 11/4/85	
Company: Union Texas Petroleum Corp.		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota			Unit
Completion Date: 10/24/85	Total Depth: 6490	Plug Back TD: 6463	Elevation: 5773	Farm or Lease Name: New Mexico State "A" Com	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 6480		Perforations: From 6266 To 6364		Well No.: 1E	
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6352		Perforations: From Open-Ended To		Unit: D / Sec.: 16 / Twp.: 29N / Rge.: 12W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At:		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L: 6352 / 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"				1010		1010		9 days
1.						69	67°	333		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		81	0.9933	0.9193	1.000	915
2.							
3.							
4.							
5.							

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DIST. 3

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 _____ XXXXXXXX
Specific Gravity Flowing Fluid XXXXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1022 P_c^2 1,044,484

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		348	121,104	923,380
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1312$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0968$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1004$

Absolute Open Flow 1004 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Clifton Gates	John C. Poulos	