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: 12/29/82	
Company: Union Texas Petroleum Corp.	Connection: Gas Company of New Mexico			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 10/26/82	Total Depth: 7696	Plug Back TD: 7640	Elevation: 6675	Farm or Lease Name: Jicarilla "J"
Csg. Size: 7.625 / 5.500 — Wt.: 26.40 / 15.50 — d: 6.969 / 4.950 — Set At: 5675 / 5450-7687		Perforations: From 5040 To 5426		Well No.: 8-E
Tbg. Size: 2.375 — Wt.: 4.70 — d: 1.995 — Set At: 5388		Perforations: From 5357 To 5363		Unit: M — Sec.: 25 — Twp.: 26N — Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Gas		Packer Set At: 5473		County: Rio Arriba
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
5347		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"				1324		1324		7 Days
1.						297	44°	752		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		309	1.0158	0.9608	1.034	3856
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 1336 P_c^2 1,784,896

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		764	583,696	1,201,200
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4859$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3458$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5189$

Absolute Open Flow 5189 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Doyal Parret	Ken Roddy	