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: 1/7/87	
Company: Union Texas Petroleum Corp.	Connection: Gas Co of New Mexico			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 12/30/86	Total Depth: 8255	Plug Back TD: 8223	Elevation: 7058 GL	Farm or Lease Name: Jicarilla "G"
Csg. Size: 5.500 / Wt.: 26.0 / d: 4.548 / Set At: 8248		Perforations: From 8059 To 8141		Well No.: 7R
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8136		Perforations: From 8106 To 8112		Unit: A / Sec.: 11 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At		County: Rio Arriba
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 8106 / H	Gg: 0.690	% 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"				807		2249		7 Days
1.							113	67°	595	67°	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		125	0.9933	0.9325	1.015	1453
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

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P_c 2261 P_c^2 5,112,121

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		607	368,449	4,743,672
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0777$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0577$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1537$

Absolute Open Flow 1537 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bruce Voiles	John C. Rector	