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: 2/10/87	
Company: Union Texas Petroleum Corp.			Connection: Gas Company of New Mexico		Unit:
Pool: Blanco			Formation: Mesaverde		
Completion Date: 1/14/87	Total Depth: 6450		Plug Back TD: 6409	Elevation: 7182 G.L.	Farm or Lease Name: Jicarilla "G"
Csg. Size: 7.000 / 4.500	Wt.: 23.0 / 10.5	d: 6.366 / 4.052	Set At: 4269 / 4004-6450	Perforations: From 6032 To 6300	Well No.: 1A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 6197	Perforations: From 6165 To 6171	Unit: D; Sec.: 1; Twp.: 26N; Rge.: 5W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple: Single - Gas			Packer Set At:		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. - P_a: 12		State: New Mexico
L: 6165	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	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"				1057		1058		7 days
1.							285	59°	631	59°	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		297	1.0010	0.9193	1.038	3508
2							
3							
4							
5							

NO.	P_r	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

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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 1070 P_c^2 1,144,900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		643	413,449	731,451
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5652$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3993$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4909$

Absolute Open Flow 4909 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Dan Darby	John C. Rector	