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			Test Date	
[XX] Initial	[ ] Annual	[ ] Special	9/17/86	

Company	Connection	
Union Texas Petroleum Corporation	Union Texas Petroleum Corporation	

Pool	Formation	Unit
Blanco	Mesaverde	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
9/9/86	4710	4690	5618	Albright

Csg. Size	Wt.	d	Set At	Perforations:		Well No.
7.000/4.500	23.0 / 10.5	6.366 / 4.052	2400 / 2212-4710	From 3933	To 4508	18A

Tbg. Size	Wt.	d	Set At	Perforations:		Unit	Sec.	Twp.	Rge.
2.375	4.70	1.005	4400	From Open-Ended	To	D	22	29N	10W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	-------	San Juan

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing			12	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
4400		.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"				1158		1152		7 days
1.						324	67°	808	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		336	0.9933	0.9258	1.040	3973
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

SEP 24 1986
OIL CON. DIV.
DIST. 3

P_c 1170 P_c^2 1,368,900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		336	112,896	1,256,004
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0899$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0666$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4238$

Absolute Open Flow 4238 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division | Conducted By: [illegible] Brown | Calculated By: John Boston | Checked By: