STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
FEB 20 1985
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2/15/85
Company: Union Texas Petroleum Corp.		Connection: Union Texas Petroleum Corp.		Unit
Pool: Blanco		Formation: Mesaverde		
Completion Date: 2/2/85	Total Depth: 4830	Plug Back TD: 4791	Elevation: 5750	Farm or Lease Name: Albright
Csg. Size: 7.000 4.500 / Wt.: 23.00 10.50 / d: 6.366 4.052 / Set At: 2403 2203-4829		Perforations: From 4006 To 4762		Well No.: 18
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 4764		Perforations: From Open-Ended To		Unit: H / Sec.: 22 / Twp.: 29N / Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: NA		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L: 4754	H	Gg: 0.650	% 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"				713		1035		7 days
1.						219	63°	747		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		231	0.9971	0.9608	1.022	2797
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 1047 P_c^2 1,096,209

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		759	576,081	520,128
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1076$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7491$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4892$

Absolute Open Flow 4892 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bruce Voiles	Ken Roddy	