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

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 3-13-82	
Company: Union Texas Petroleum Corp.	Connection: Gas Co. of New Mexico			Unit
Pool: Blanco	Formation: Mesaverde			
Completion Date: 2-25-82	Total Depth: 7001	Plug Back TD: 6975	Elevation	Farm or Lease Name: Culpepper Martin
Csg. Size: 7.625 / 5.5 — Wt.: 26.4 / 15.50 — d: 6.959 / 4.950 — Set At: 4392 / 4267/6999		Perforations: From 4512 To 4746		Well No.: 3M
Tbg. Size: 2.375 — Wt.: 4.7 — d: 1.995 — Set At: 4252		Perforations: From 4247 To 4252		Unit: F — Sec.: 7 — Twp.: 31 — Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G./Dual		Packer Set At: 4822		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12 psia	State: New Mexico
L	H	Gg: .650	% CO_2	% N_2 — % H_2S — Prover — Meter Run — Taps

FLOW DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	16 days				805		810		
1.	2 inch .. 750	189			189	60°	554		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		201	1.000	.9608	1.020	2436
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 822 — P_c^2 675684

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		566	320356	355328
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9016$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.61932$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3945$

Absolute Open Flow 3945 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .75

Remarks: Dry gas with show of oil.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Joe Elledge	Joe Elledge	Mr. Don Wells