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: 2-27-82	Total Depth: 7100	Plug Back TD: 7070	Elevation	Farm or Lease Name: Culpepper Martin	
Csg. Size: 7.625 / 5.500	Wt.: 26.4 / 15.5	d: 6.969 / 4.950	Set At: 4498 / 4192/7076	Perforations: From 4521 To 4862	Well No.: 4M
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 4162	Perforations: From 4157 To 4162	Unit: J; Sec.: 6; Twp.: 31; Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G./Dual			Packer Set At: 4959		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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650						

	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	14 days					763		765		
1.	2 inch	.750	220			220	60°	589		3 hrs.
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		232	1.000	.9608	1.023	2820
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

RECEIVED
APR 5 1982
OIL CON. DIV.
DIST. 3

P_c 777 P_c^2 603729

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		601	361201	242528
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4893$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.98178$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5589$

Absolute Open Flow 5589 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