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

RECEIVED
JUN 29 1989

Type Test			Test Date
[X] Initial	[ ] Annual	[ ] Special	5/01/89

Company	Connection	Unit
Union Texas Petroleum Corp.	Sunterra Gas Gathering Company	

Pool	Formation
Basin	Dakota

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
4/18/89	7209	7185	5681 GR.	McCord

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.500	11.6	4.000	7223	From 6960 To 7089	2E

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	7088	From OPEN ENDED	C	34	30N	13W

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

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

–	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.710						

	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				1732		1735		13 Days
1.						188	82°	557	82°	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		200	0.9795	0.9193	1.022	2276
2.							
3.							
4.							
5.							

NO.	P_r	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 1747 P_c^2 3,052,009

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		569	323,761	2,728,248
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1186$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0877$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2476$

Absolute Open Flow 2476 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: Heavy mist of Oil & Water

Approved By Division	Conducted By:	Calculated By:	Checked By: