

OIL CONSERVATION DIVISION

P O BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		1/13/88	
Company				Connection							
Union Texas Petroleum Corp				Sunterra Gas Gathering Co.							
Loc. Blanco				Formation				Unit			
Completion Date				Total Depth		Plug Back TD		Elevation		Farm or Lease Name	
1-6-88				5520		5460		5962' G. L.		Trigg	
Casing Size		Wt.		d		Set At		Perforations:		Well No.	
7.000		23.0		6.366		3130		From 4429 To 5403		1-A	
4.500		10.5		4.052		2901-5505					
Tub. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.	
2.375		4.7		1.995		5283		From 5236 To 5242		E 25 31N 9W	
Type Well - Single - Brdennhead - G.G. or G.C. Multiple								Packer Set At		County	
Single - Gas								-----		San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g				State	
Tubing		8				12				New Mexico	
L		H		G _g		% CO ₂		% N ₂		% H ₂ S	
				.680						Prover	
										Meter Run	
										Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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	
1	2"		3/4"				320		320		7 Days
2							80	58°	270	58°	3 Hours
3											
4											
5											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super. Comp. Factor F _{pv}	Rate of Flow O. Mcd
1	12.3650		92	1.0019	0.9393	1.011	1082
2							
3							
4							
5							

NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf/bbl.	Deq.
1												
2												
3												
4												
5												

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	332	282	79,524	30,700
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5904$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6082$	

Absolute Open Flow 2822		Mcd @ 15.025		Angle of Slope @		Slope, n 0.75	
Remarks: No Fluid							
Approved By Division		Conducted By: Connie Clevenger		Calculated By: John C. Rector		Checked By:	