

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/26/88	
Company Union Texas Petroleum Corp.			Connection Sunterra Gas Gathering Co.		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 1/13/88		Total Depth 6035		Plug Back TD 5992	Elevation 6445 G.L.
Form or Lease Name Oxnard					
Csg. Size 4.500	Wt. 10.50	d 4.6366	Set At 3603	Perforations: From 4949 To 5943	
Well No. 2-A					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5808	Perforations: From 5775 To 5781	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single-Gas				Packer Set At	
Producing Thru Tubing				Baro. Press. - P _b 12	
State New Mexico					
L	H	G _g .710	% CO ₂	% N ₂	% H ₂ S
Prover					
Meter Run					
Tape					

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
SI	2"		3/4"				710		710		13 Days
1.							211	60°	612	60°	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		223	1.0000	0.9193	1.028	2606
2.							
3.							
4.							
5.							

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

P _c 722 P _c ² 521,284				RECEIVED FEB 02 1988 OIL CON. DIV. DIST. 3		
NO.	P _t ²	P _w	R _w ²			R _c ² - R _w ²
1		624	389,376			131,908
2						
3						
$(1) \frac{P_c^2}{R_c^2 - R_w^2} = 3.9519$ $(2) \left[\frac{R_c^2}{R_c^2 - R_w^2} \right]^n = 2.8028$ $AOF = Q \left[\frac{R_c^2}{R_c^2 - R_w^2} \right]^n = 7304$						

Absolute Open Flow 7304		Mcf @ 15.025	Angle of Slope °	Slope, n 0.75
Remarks: Dry				
Approved By Division		Conducted By: Connie Clevenger	Calculated By: John C. Rector	Checked By: