

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

Type Test ☐ Initial ☐ Annual ☐ Special				Test Date 12/10/86	
Company Union Texas Petroleum			Connection Southering Union Gathering Co.		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 12/3/86		Total Depth 6150	Plug back TD 6097		Elevation 6532 GL
Farm or Lease Name Oxnard					Well No.
Gas. Size 7.000	Wt. 23.0	d 6.366	Set At 3750	Perforations: From 5053 To 6061	
4.500	10.5	4.052	2604 6140	Perforations:	
2.375	4.7	1.995	5897	From 5861 To 5867	
Type Well - Single - Fractured - G.G. or G.O. Multiple Single - Gas				Packer Set At	
Producing Thru Tubing				Baro. Press. - P _g 12	
Reservoir Temp. °F ●		Mean Annual Temp. °F		State New Mexico	
L 5861	H	G _g 0.700	% CO ₂	% N ₂	% H ₂ S
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
S1	2"		3/4"				756		756		7 Days
1.							259	70°	636	70°	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		271	0.9905	0.9258	1.031	3168
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _u	P _e	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} =$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$
1	768	648	419,904	169,920		3.4712	2.5430
2.							
3.							
4.							
5.							

Absolute Open Flow				8056		Mcf @ 15.025		Angle of Slope @		Slope, n	
Remarks:											
Approved By Division			Conducted By: John C. Rector			Calculated By: John C. Rector			Checked By:		