

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP O BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 10/29/86	
Company: Union Texas Petroleum Corp.			Connection: Southern Union Gathering Company		
Pool: Blanco			Formation: Mesaverde		Unit:
Completion Date: 10/22/86		Total Depth: 5100	Plug Back TD: 5060		Elevation: 5917
Form or Lease Name: Sanchez					
Csc. Size: 7.00/4.50	Wt. 32.0 16.9	d 6.094 3.826	Set At 2705 2492-5100	Perforations: From 4074 To 4873	
Perf. Size: 2.375	Wt. 5.95	d 1.867	Set At 4791	Perforations: From 4761 To 4767	
Unit: M	Sec. 34	Twp. 30N	Rge. 10W		
Type Well - Single - Brdenhead - G.C. or G.C. Multiple Single - Gas				Packer Set At: -----	
Producing Thru Tubing		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _g : 12	
State: New Mexico					
L 4791	H	G _g 0.680	% 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.	Dist. 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"				986		986		7 days
1.							235	80°	715	80°	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 _L	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		247	0.9813	0.9393	1.024	2883
2							
3							
4							
5							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Mcf/abi.
1						
2						
3						
4						
5						

NO.	P ₁ ²	P _w	P _w ²	P ₁ ² - P _w ²	(1) $\frac{P_1^2}{P_1^2 - P_w^2} =$	(2) $\left[\frac{P_1^2}{P_1^2 - P_w^2} \right]^n =$
1		727	528,529	467,475	2.1306	1.7631
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope	
5083				0.75	

Remarks:			
----------	--	--	--

Approved By Division	Conducted By: Rodney Taylor	Calculated By: John C. Rector	Checked By:
----------------------	-----------------------------	-------------------------------	-------------