

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-10-80		DEC -1 1980	
Company Texas Oil & Gas Corp				Connection Transwestren Pipeline		O. C. D.	
Pool Burton Flat				Formation Strawn		Unit ARTESIA, OFFICE	
Completion Date 10-15-80		Total Depth 11,730 11979		Plug Back TD 11276		Elevation 3270	
Farm or Lease Name Williamson "A" Fed.							
Ceg. Size 4 1/2	Wt. 13.5	d 30920	Set At 894 11730	Perforations: From 10486 To 10,591		Well No. 1	
Tbg. Size 2 3/8	Wt. 4.6#	d 1.995	Set At 10,392	Perforations: From To		Unit Sec. Twp. Rge. E 16 20S 29E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,392		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 181 10,530		Mean Annual Temp. °F 60		State N. Mex.	
Baro. Press. - P _g 13.2							
Prover		Meter Run 4"		Taps Flg.			
G _g .6727		% CO ₂ .359		% N ₂ 1.161		% H ₂ S -0-	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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						1135				72 Hrs.
1.	4"	x.750	215	2	68	280	68			2.5 Hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	2.661	21.36	228.2	0.9924	1.219	1.000	69
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					17.25	
2.					A.P.I. Gravity of Liquid Hydrocarbons 54.5 @ 60	Deg.
3.					Specific Gravity Separator Gas .6727	XXXXXXX
4.					Specific Gravity Flowing Fluid XXXXX	
5.					Critical Pressure 664 P.S.I.A.	P.S.I.A.
					Critical Temperature 436° R	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____

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

AGF = $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

Absolute Open Flow	129	Mcf/d @ 15.025	Angle of Slope	45°	Slope, n
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Remarks: * P_w - Calculate from P_c as well was loaded with liquids during test period.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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