

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 10-3-70		OCT 15 1970	
Company TEXAS OIL & GAS CORP. ✓				Connection None		O. C. C. ARTESIA, OFFICE	
Pool SOUTH CARLSBAD				Formation Morrow		Unit	
Completion Date 10-1-70		Total Depth 12,143		Plug Back TD 12,098		Elevation 3307 KDB	
Csg. Size 5 1/2"		Wt. 20#		Set At 4.778		Perforations: From 11,615 To 11,781	
Tbg. Size 2 3/8"		Wt. 4.7#		Set At 11,533		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,533		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 180 @ 12,143		Mean Annual Temp. °F		Baro. Press. - P _a 13.2	
L 11,533		H		G _g .60		% CO ₂ 1.08 % N ₂ .29 % H ₂ S --	
Prover		Meter Run X		Taps Flange			

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.	3.068		1.250	6.1	6.6	76	1494	66	Packer	--	24 Hr
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 _{pv}	Rate of Flow Q, Mcfd
1.	9.781 x 3.873	40.26	571.4	.9850	1.000	1.050	1577
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	2.24	526	1.46	.788	Dry	
2.						
3.						
4.						
5.						

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	1542.0	2377.7	9471.0		1.251	1.251
2.						
3.						
4.						
5.						

Absolute Open Flow 1973 Mcfd @ 15.025				Angle of Slope θ 45°		Slope, n 1.000	
Remarks:							

Approved By Commission: RLS 10-19 70	Conducted By: Jim Brummer	Calculated By: [Signature]	Checked By: [Signature]
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NOTE For record only