

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

FEB 1 1985

Form C-122
Revised 9-1-

Type Test 4 POINT ☒ Initial ☐ Annual		Test Date 1-22-85	
Company SOUTHLAND ROYAL TY		Connection TO AIR	
Pool WIN CHESTER		Formation WOLFCAMP	
Completion Date 1-18-85	Total Depth 11,198 10055	Plug Back 10355 10055	Elevation 3329
Well No. 1	Farm or Lease Name CITGO FED "5" COM		
Well Size 4.500	Well 11.6	Set At 4.052	Perforations: From 9044. To 9058.
Well Size 2.375	Well 4.7	Set At 1.995	Perforations: From 0. To 0.
Type Well - Single - Wardenhead - G.G. or G.O. Multiple SINGLE		Factor Set At 8961	
Producing thru TUBING	Reservoir Temp. °F 180. 9051.	Mean Annual Temp. °F 60.0	Baro. Press. - P _a 13.2
L 9051.	H 9051.	C _g 0.720	% CO ₂ 0.07
		% N ₂ 1.23	% H ₂ O 0.
		Prover 2.0	Motor Run 0.
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	X	Orifice Size
1.	2.00 X 0.250		160.
2.	2.00 X 0.250		230.
3.	2.00 X 0.250		350.
4.	2.00 X 0.500		235.
5.			
RATE OF FLOW CALCULATIONS		B.H.P. DATA	
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	CHOKE
1.	1.08	0.	72.0
2.	1.08	0.	1.0
3.	1.08	0.	1.0
4.	4.27	0.	1.0
5.			1.9
NO.	P ₁	Temp. °R	T ₁
1.	0.26	507.	1.29
2.	0.37	505.	1.29
3.	0.55	503.	1.28
4.	0.37	499.	1.27
5.			
Gas Liquid Hydrocarbon Ratio 13.2		A.P.I. Gravity of Liquid Hydrocarbons 50.0	
Specific Gravity Separator Gas 0.720		Specific Gravity Flowing Fluid 0.914	
Critical Pressure 665.		Critical Temperature 392.	
Rate of Flow 229.		Rate of Flow 326.	
Rate of Flow 496.		Rate of Flow 1319.	
NO.	P ₁ ²	P _w	P ₂ ²
1.	10766.	2160.	4667.
2.	10596.	2140.	4578.
3.	9792.	2041.	4166.
4.	8533.	1883.	3545.
5.			
Absolute Open Flow 3743.		Angle of Slope 52.5	
Remarks BOTTOM HOLE PRESSURES MEASURED WITH AMERADA PRESSURE ELEMENTS.			
Approved By Commission RICHARD TOWNLEY		Checked By BENNETT & CATHEY INC.	
Calculated By D. ROBERTS		Checked By D. ROBERTS	