

RECEIVED

Type Test ☒ Initial		Test Date 5-27-77	
Company TEXAS OIL & GAS CORPORATION		To Air	
Pool UNDESIGNATED		STRAWN	
Completion Date 5-27-77		Elevation 9609	
Casing Size 4 1/2		Set At 9609	
Tubg. Size 2 3/8		Set At 8484	
Perforations: From - 8700 8708 To 8720		Perforations: To	
Type Well - Single - Firehead - G.G. or G.O. Multiple SINGLE		Packer Set At 8274	
Producing Thru TUBING		Baro. Press. - P _a 13.2	
Reservoir Temp. °F 60		State New Mexico	
L 8710	H 8710	G _g 0.6852	% CO ₂ 0.83
Prover POSITIVE		Meter Run CHOKES	
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
1	10/64"		
2	12/64"		
3	14/64"		
4	16/64"		
5			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1	2035.0	72	60 MIN.
2	1790.0	72	60 MIN.
3	1748.0	76	60 MIN.
4	1662.0	79	60 MIN.
5	1500.0	82	60 MIN.
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w F_m}$	Pressure P _a
1	0.4173	-	1803.2
2	0.6101	-	1761.2
3	0.8419	-	1675.2
4	1.112	-	1513.2
5			
Flow Temp. Factor F _t			
Gravity Factor F _g			
Super Compress. Factor, F _{ov}			
Rate of Flow Q, Mcfd			
1	1060		
2	1496		
3	1949		
4	2282		
5			
Gas-Liquid Hydrocarbon Ratio NONE Mcf/bbl.			
A.P.L. Gravity of Liquid Hydrocarbons - Deg.			
Specific Gravity Separator Gas 0.6852 XXXXXXXXXX			
Specific Gravity Flowing Fluid XXXXXX			
Critical Pressure 681 P.S.I.A.			
Critical Temperature 381 R			
P _c 2048.2 P _c ² 4195.1			
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1	3251.5	3280.6	914.5
2	3101.8	3159.9	1035.2
3	2806.3	2905.4	1289.7
4	2289.8	2428.0	1767.1
5			
$\frac{P_c^2}{P_c^2 - P_w^2} = 2.374$			
$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.865$			
$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4256$			
Absolute Open Flow 4256			
Angle of Slope 54.2			
Slope, n 0.721			
Remarks: AVERAGE SLOPE DRAWN THROUGH THREE HIGHEST RATES OF FLOW			
Approved By Commission			
Conducted By: G.J.P.			
Calculated By: R.L.W.			
Checked By: J.W.W.			

