

122 file
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Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-20-77		SEP 20 1977	
Company TEXAS OIL & GAS CORP.		TO AIR		Unit E. G. D.	
Pool UNDESINATED		STRAWN		ARTESIA. OFFICE	
Completion Date 9-20-77		Total Tests 9145'		Packer Set At 9104'	
Casing Size 4 1/2"		Set At 9145'		Perforations From 8724' To 8772'	
Tubing Size 2 3/8"		Set At 8681'		Perforations From OPEN To END	
Type Well - Single - Bradenhead - S.G. or G.O. Multiple SINGLE		Packer Set At 8681'		County CHAVES	
Producing Thru TRG		Reservoir Temp. °F 188 8780'		Mean Annual Temp. °F 13.2	
L 8780		H 8780		NEW MEXICO	
G _g .666		% CO ₂		% H ₂ S OCT	
Prover 6" POSITIVE CHOKE		Meter Run		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	6" POSITIVE CHOKE						2350		SHUT IN		72 HRS
1.	3/16			2282		84	2282				30 MIN
2.	1/4			2210		85	2210				45 MIN
3.	5/16			2142		89	2142				60 MIN
4.	3/8			1989		92	1989				60 MIN
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 _{spv}	Rate of Flow Q, Mcfd
1	.6101		2295.2	.9777	1.225	1.169	1961
2	1.112		2223.2	.9768	1.225	1.169	3458
3	1.771		2155.2	.9732	1.225	1.162	5288
4	2.591		2002.2	.9706	1.225	1.154	7118
5							

NO.	P _r	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	3.43	544	1.44	.732	A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.
2.	3.32	545	1.44	.732	Specific Gravity Separator Gas .666 XXXXXXXXXX
3.	3.22	549	1.45	.741	Specific Gravity Flowing Fluid XXXXX
4.	2.99	552	1.46	.751	Critical Pressure 670 P.S.I.A. P.S.I.A.
5.					Critical Temperature 378 R R

NO.	P _r ²	P _s ²	P _r ² - P _s ²	(1) $\frac{P_r^2}{P_r^2 - P_s^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_s^2} \right]^n =$
1	3036.2	9213.5	504.7	4.784	4.784
2	2985.2	8911.4	811.8		
3	2920.2	8527.6	1195.6		
4	2773.2	7690.6	2032.6		
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Absolute Open Flow 34,050		Mold @ 15.025		Angle of Slope 45°		Slope, n 1.00	
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Remarks: BOTTOM HOLE PRESSURES MEASURED WITH KUSTER GAUGE, POINT ALINEMENT TOO FLAT, A SLOPE OF 45 WAS DRAWN THROUGH HIGH RATE OF FLOW, WELL MADE SMALL AMOUNT OF FLUID, UNABLE TO

MEASURE	Conducted By:	Calculated By:	Checked By:
Approved By Commission:	JOHN WEST ENG. CO.	R.E.R.	