

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

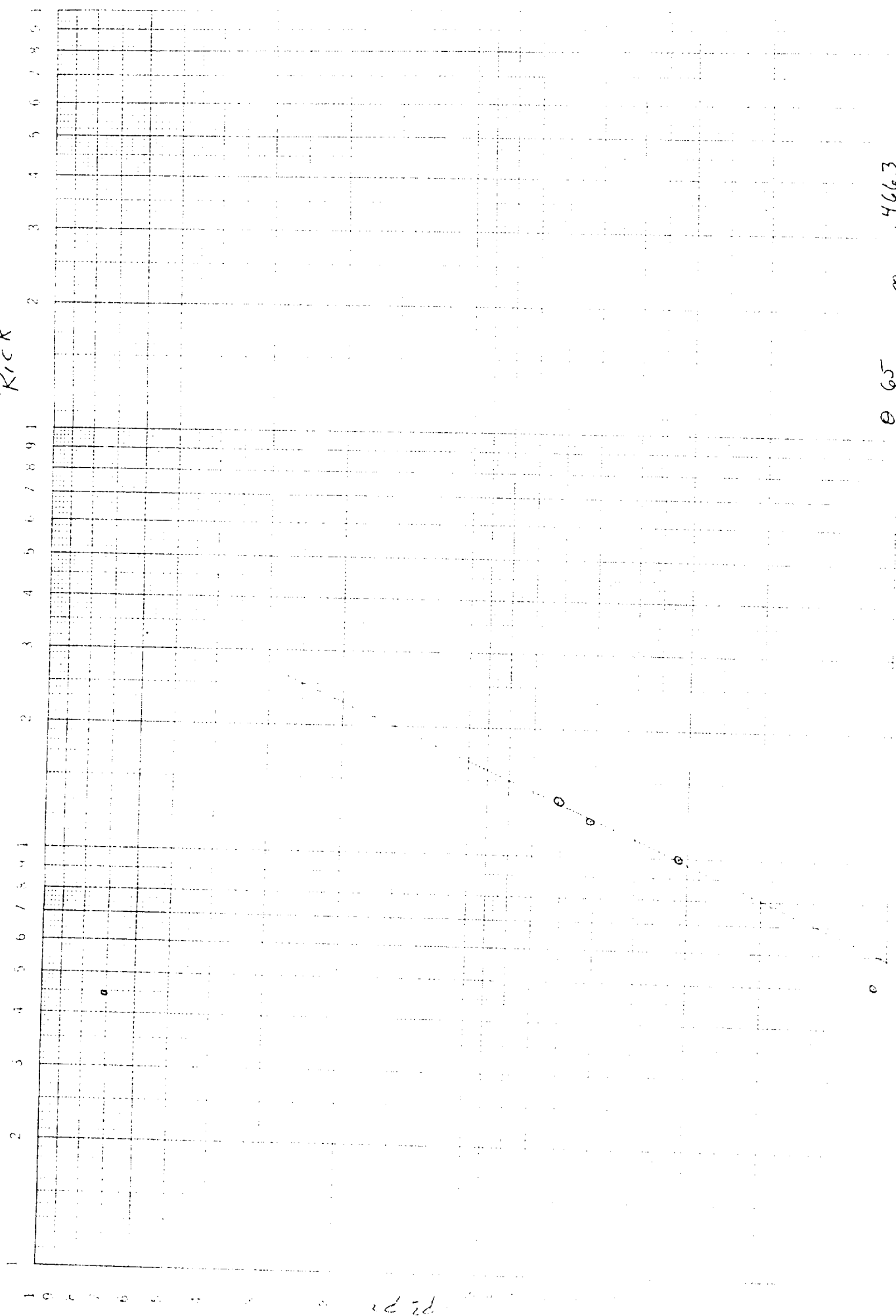
FEB 8 1985

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File

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-4-85	
Company McCLELLAN OIL CORP		Connection AIR	
Pool South Pecos Slope Also		Formation ABO	
Completion Date 12-20-84		Total Depth 4390	Plug Back TD 4346
Elevation 3592		Farm or Lease Name RICKCOM FED	
Csg. Size 4 1/2	Wt. d	Set At 4346	Perforations: From 4084 To 4104
Tub. Size 2-3/8	Wt. d	Set At 4032 4064	Perforations: From OPEN To ENDED
Type Well - Single - Dradhead - G.C. or G.O. Multiple SINGLE		Prodr. Set At NONE	County CHAVES
Producing Thru TUBING	Reservoir Temp. °F 98 @ 4000	Mean Annual Temp. °F 60	State NEW MEXICO
L	H	Cg .68	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps
3 PIPE			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	3		1.25
2.	3		1.25
3.	3		1.25
4.	3		1.25
5.			
TUBING DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	3		1.25
2.	3		1.25
3.	3		1.25
4.	3		1.25
5.			
CASING DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	3		1.25
2.	3		1.25
3.	3		1.25
4.	3		1.25
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m
1.	8.403	46.173	213.2
2.	8.403	91.1854	213.2
3.	8.403	112.164	213.2
4.	8.403	122.164	213.2
5.			
NO.	P_c	Temp. °F	T_c
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.L. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R			
$P_c = 1142.2 P_c^2 = 1305$			
NO.	P_c^2	P_w	P_w^2
1.		1094.2	1197
2.		995.2	990
3.		890.2	792
4.		832.2	693
5.			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1324$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.424$			
AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1870$			
Absolute Open Flow 1870 Mcf @ 15.025 Angle of Slope 65 Slope, n .4663			
Remarks: BOTTOM HOLE PRESSURES RECORDED W/AMERADA TYPE GAUGE.			
Approved By Division		Conducted By:	Calculated By:
		KELTIC SERVICES	KELLY
		Checked By:	

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Rick



m. 4663

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