

Operator Name: KanMap, a Kansas Corporation Lease Name: Rutland Well #: _____
 Sec. 8 Twp. 33 S. R. 16 East West County: Montgomery

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: <div style="text-align: center;"> Dual Compensated Porosity Log, Sonic Cement Bond Log </div>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 15%;">Top</th> <th style="width: 15%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Fort Scott Ls</td> <td style="text-align: center;">672</td> <td style="text-align: center;">+168</td> </tr> <tr> <td>Mulky</td> <td style="text-align: center;">740</td> <td style="text-align: center;">+100</td> </tr> <tr> <td>Weir Coal</td> <td style="text-align: center;">907</td> <td style="text-align: center;">-67</td> </tr> <tr> <td>Riverton Coal</td> <td style="text-align: center;">1152</td> <td style="text-align: center;">-312</td> </tr> <tr> <td>Mississippian Ls</td> <td style="text-align: center;">1168</td> <td style="text-align: center;">-328</td> </tr> </tbody> </table>	Name	Top	Datum	Fort Scott Ls	672	+168	Mulky	740	+100	Weir Coal	907	-67	Riverton Coal	1152	-312	Mississippian Ls	1168	-328
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./ Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 3/4	8 5/8	23.0 #	21.81'	Portland	8 sx	
Production	6 7/8	4 1/2	10.5 #	1202'	40/60 Poz	150 sx	5% GE, 5% Set, 2% Gel, 25% Flow Sea

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	1152-1156'	300 gals 15% HCL, 450 bbls 15# water, 10,000# 20-40 sand	
		RECEIVED KANSAS CORPORATION COMMISSION JUL 24 2003 CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8			

Date of First, Resumerd Production, SWD or Enhr. 5-19-03	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	2	160	

Disposition of Gas	METHOD OF COMPLETION
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____