

Operator Name W.L. Kirkman Lease Name Swarner Well # 1

Sec. 7 Twp. 31S Rge. 18 East West County Comanche

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Heebner	4280	-2265
Toronto	4300	-2085
Douglas Shale	4316	-2101
Brown Lime	4453	-2238
Lansing-KC	4470	-2255
Base KC	4852	-2637
Marmaton	4878	-2663
Cherokee	5068	-2853
Mississippi	5139	-2924
RTD	5250	-3035

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings self-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.....8.5/8.....489.....	...Dpsmix..	...325..	...2% gel.....
...production...	...7.7/8...	...5 1/2.....	...15.5...	4097-5230	...60140..	...200..	2% gel-3/4 of
" "	" "	" "	14#	KB-4097	pozmix		1% CER ² -10% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
4 shots	4985 to 4989			1000 gallons 15% N.E.			
TUBING RECORD		Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2 3/8	4993.67	No			
Date of First Production	Producing Method						
	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Shut in gas well							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
		1.8 MMCFD					
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify)
 Dually Completed Commingled