

Form ACO-1 (5-86)

Sec 20. Two 31 Rge. 21 E

Operator Name Lorraine Cleaver Lease Name Elmore, Becker Farms Inc.
 Sec. 20 Twp. 34 Rge. 21 ☒ East ☐ West County Labette

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

Overburden	0-5		
Shale	5-101	Mississippi Chat	480-484
Coal	101-102	Mississippi Lime	484-820
Shale	102-128	Green Shale	820-828
Coal	128-129	Lime	828-833
Shale	129-185	Green Shale	833-834
Coal	185-186	Black Shale	834-836
Shale	186-195	Arbuckle Lime	836-855
Coal	185-196	TD	855
Shale-Water	196-275		
Added Water	223*		
Sand	275-300		
Sandy Shale	300-313		
Laminated Sand	313-330		
Sand-Oil	330-338		
Shale	338-385		
Coal	385-386		
Shale	386-473		
Coal	473-474		
Shale	474-480		

CASING RECORD ☐ New ☒ 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	9"	7"		22	Portland	4	60/40
Production	6-1/4"	Plugged By Consolidated Oil Well Service					

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
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TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
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Date of First Production	Producing Method
	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	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

CP-1 Filed
 CP-4 Filed
 AGO-1 Filed.....

KEPHART DRILLING INC.

R.R. # 1 BOX 68A

THAYER, KANSAS 66776

Lorraine Cleaver	From	-	To	-	Formation
LB County	0'	-	5'	-	overburden
	5'	-	101'	-	shale
22' of 7" - 4 cement	101'	-	102'	-	coal
	102'	-	128'	-	shale
	128'	-	129'	-	coal
	129'	-	185'	-	shale
	185'	-	186'	-	coal
	186'	-	195'	-	shale
	195'	-	196'	-	coal
	196'	-	275'	-	shale - water
	*223'	-		-	added water
	275'	-	300'	-	sand
	300'	-	313'	-	sandy shale
	313'	-	330'	-	laminated sand
	330'	-	338'	-	sand - oil
	338'	-	385'	-	shale
	385'	-	386'	-	coal
	386'	-	473'	-	shale
	473'	-	474'	-	coal
	474'	-	480'	-	shale
	480'	-	484'	-	Mississippi chat
	484'	-	820'	-	Mississippi lime
	820'	-	828'	-	green shale
	828'	-	833'	-	lime
	833'	-	834'	-	green shale
	834'	-	836'	-	black shale
	836'	-	855'	-	Arbuckle lime
	855'		Total Depth		

RECEIVED
STATE CORPORATION COMMISSION

SEP 12 1988

CONSERVATION DIVISION
Wichita, Kansas

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH