

5

Sec. 4. Twp. 19 Rge. 20 W

Operator Name N.C.R.A...... Lease Name Frank..... Well # 2.....

Sec. 4 Twp. 19S Rge. 20 ☐ East
☒ West County. Rush

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.

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
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See Attached

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.....	12 1/2".....	8 5/8".....	24#.....	360.85'.....	60/40 pos.....	250.....	2% gel, 3% cc.....
.....							

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
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.....			
.....			
.....			

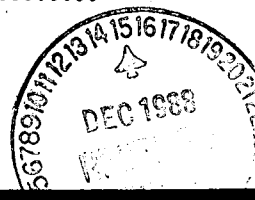
TUBING RECORD		Size		Set At		Packer at		Liner Run		☐ Yes ☐ No	
Date of First Production		Producing Method									
		☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....									

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

Production Interval

☐ Open Hole ☐ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Commingled



National Cooperative Refinery Association
Frank No. 2
4700' & 3800' From SE Corner, Sec. 4-19S-20S
Rush County, Ks.

ACO-1 Attachment

Drill Stem Tests	Log Tops
DST #1 4186-4196' Cherokee 35-45-45-90 Very weak blow on first open (died in 20 mins.). No blow on second open. No recovery. IHP 2066# IFP 20-20# ISIP 20# FFP 20-20# FSIP 354# FHP 2045# 117° BHT DST #2 4188-4201' Misrun DST #3 4185-4201' Misrun DST #4 4164-4203' Cherokee 15-30-30-60 Strong blow throughout both opens. Rec. 3' clean oil - 480' GCMW - 120' OCMW - 300' O&GCMW - 180' SOCMW. IHP 2035# IFP 375-437# ISIP 562# FFP 458-541# FSIP 562# FHP 2035# 123° BHT	Anhydrite 1421' Heebner 3679' Lansing 3720' Base Kansas City 4032' Marmaton 4053' Upper Pawnee 4092' Lower Pawnee 4145' Fort Scott 4179' Cherokee Shale 4186' Cherokee A Sand 4196' Cherokee B Sand 4219' Cherokee C Sand 4236' Mississippi 4288' LTD & RTD 4330'

RECEIVED
STATE CORPORATION COMMISSION
JAN 6 1989
1-6-89
CONSERVATION DIVISION
Wichita, Kansas