

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-151-21,984-00-00

LEASE NAME Cooper

WELL NUMBER 1-28

2970 Ft. from S Section Line

1650 Ft. from E Section Line

SEC. 28 TWP. 29 RGE. 14 (E) or (W)

COUNTY Pratt

Date Well Completed 3-9-90

Plugging Commenced 3-9-90

Plugging Completed 3-9-90

TYPE OR PRINT

NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

LEASE OPERATOR Duke Drilling Co., Inc.

ADDRESS 310 West Central, Suite 117 Wichita, KS 67202

PHONE# (316) 267-1331 OPERATORS LICENSE NO. 5929

Character of Well D&A

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on 3-9-90 (date)

by Duane Rankin (KCC District Agent's Name).
to be filed

Is ACO-1 filed? by operator If not, is well log attached? yes

Producing Formation _____ Depth to Top _____ Bottom _____ T.D. 4700'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

| Formation | Content | From | To | Size | Put In | Pulled out |
|-----------|---------|------|----|------|--------|------------|
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Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.

Bottom Plug: @ 670' w/50 sacks cement thru drill pipe

Next Plug: @ 450' w/50 " " " " " 15 sacks in Rat Hole

Top Plug: @ 40' w/10 " " " " " 10 sacks in Mouse Hole

10 sacks in Water Well

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Duke Drilling Co., Inc. License No. 5929

Address P.O. Box 823 Great Bend, KS 67530

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Duke Drilling Co., Inc.

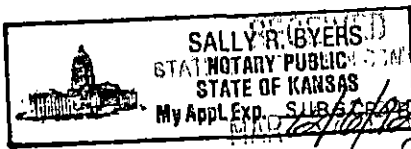
STATE OF Kansas COUNTY OF Barton, ss.

John Armbruster (Employee of Operator) or XXXXXXXXXX of

above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) John Armbruster

(Address) Box 823 Great Bend, KS 67530



03-26-90
CONSERVATION DIVISION

My Appl. Exp. 03-26-90 SUBSCRIBED AND SWORN TO before me this 14th day of March, 19 90

Sally R. Byers
Notary Public

DRILLER'S WELL LOG

Date Commenced; March 2, 1990
Date Completed; March 9, 1990

Duke Drilling Co., Inc.
COOPER #1-28
SE SW NE
Sec. 28, T29S, R14W
Pratt County, Ks.

0 - 770' Surface Soil, Sand, Shale
770 - 2104' Shale w/lime streaks
2104 - 4100' Lime & Shale
4100 - 4520' Lime
4520 - 4630' Chert & Sand
4630 - 4700' Sand
4700' RTD

ELEVATION: 1991 K.B.

Surface Pipe: Set new 8-5/8",
20# pipe @401' w/215 sacks
60/40pozmix

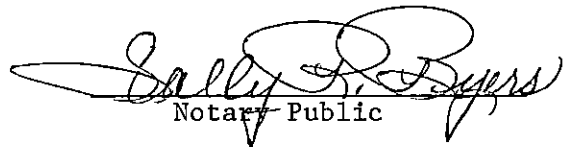
A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

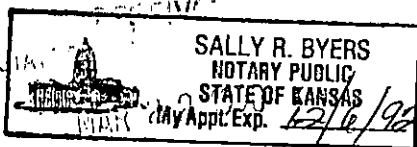
John Armbruster of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.



Subscribed and sworn to before me this 14th day of March 1990



Notary Public



Wichita, Kansas