

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

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

15135-20555-0000

API NUMBER compl. 8/70

LEASE NAME Harkness D

WELL NUMBER 2

SPOT LOCATION C NE SE

SEC. 5 TWP. 17 SRGE. 23 W(E) or (W)

COUNTY Ness

Date Well Completed 8/19/70

Plugging Commenced 1/15/86

Plugging Completed 1/15/86

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

LEASE OPERATOR Murfin Drilling Company

ADDRESS 250 N. Water, Suite 300; Wichita, Ks 67202

PHONE # (316) 267-3241 OPERATORS LICENSE NO. 6033

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

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? yes

Which KCC/KDHE Joint Office did you notify? Hays

Is ACO-1 filed? no If not, is well log attached? yes

Producing formation LKC Depth to top 4063' bottom 4445' T.D. 4454'

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
LKC	Oil & Wtr.	4063'	4066'	8 5/8"	318'	-0-
MISS	Oil & Wtr.	4435'	4445'	4 1/2"	4446'	-0-

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. Spotted 65 sx. 60/40 Pozmix f/4420-3945'. Loaded csg. w/gelled wtr. Perforated casing at 990-91' w/3 spf. Pumped 300 sx. 60/40 Pozmix cement. Didn't displace cement f/csg. Plug f/surf. to 990'. Pumped 100 sx. 60/40 Pozmix cmt. down 5 1/2" annulus.

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

Name of Plugging Contractor Murfin Drilling Co. License No. 6033

Address 250 N. Water, Suite 300; Wichita, KS 67202

STATE OF Kansas COUNTY OF Sedgwick, ss.

L.O. Butner, Western Div., Prod. Mgr. (employee of operator) or 1-21-86

(operator) 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) By: L.O. Butner

(Address) 250 N. Water, St 300; Wichita, KS



SUBSCRIBED AND SWORN TO before me this 17 day of January, 19 86

Kerran Redington
Notary Public
Kerran Redington

My Commission expires: 2/6/86

RECEIVED
STATE CORPORATION COMMISSION
JAN 21 1986
CONSERVATION DIVISION

WELL LOG

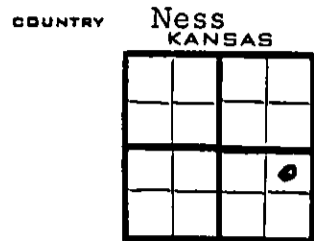
Harkness D #2
WELL FILE

15-B5-20355-0000

COMPANY Murfin Drilling Company
FARM Harkness "D" NO. 2

SEC. 5 T. 17S R. 23W
LOC. Approx. C NE SE

RIG. NO. 2
TOTAL DEPTH 4454'
COMM. 7-15-70 COMP. 7-28-70
SHOT OR TREATED
CONTRACTOR Murfin Drilling Company
ISSUED



CASING
20 10
15 5 5/8" @ 300' w/200 sx.
12 6
13 5 1/2" @ 4446' w/175 sx.

ELEVATION 2437 GL
2442 KB
PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

140 Clay and sand
1120 Shale
1130 Lime
1763 Shale
1794 Anhydrite
2476 Shale
3725 Lime and shale
3835 Lime
3890 Lime and shale
4454 Lime
4454 Total Depth

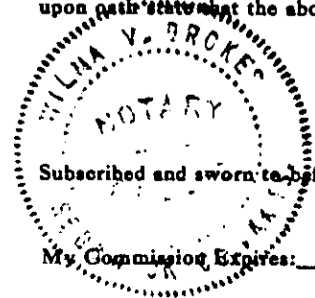
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STATE CORPORATION COMMISSION
JAN 21 1980
CONSERVATION DIVISION

State of Kansas
County of Sedgwick } ss:

I, James R. Daniels of the Murfin Drilling Company Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Harkness "D" #2 well.

James R. Daniels
James R. Daniels



Subscribed and sworn to before me this 6th day of October 19 70

Wilma V. Brokes
Wilma V. Brokes PUBLIC

My Commission Expires: February 7, 1971