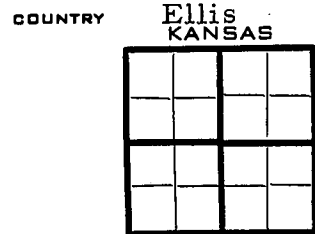


WELL LOG

COMPANY Murfin Drilling Company & Patton Oil Company
 FARM HADLEY NO. "E-3"
 RIG. NO. 11
 TOTAL DEPTH 3650'
 COMM. 11-9-64 COMP. 11-20-64
 SHOT OR TREATED
 CONTRACTOR Murfin Drilling Company
 ISSUED

SEC. 20 T. 11S R. 17W
 LOC. ~~SE SW SE~~ SESESW
 50' S. of old hole
 AUB
 KCC



CASING
 20 10
 15 8 5/8" @ 320' w/225 sacks
 12 6
 13 5

ELEVATION 2090 DF
 PRODUCTION D&A

FIGURES INDICATE BOTTOM OF FORMATIONS

- 80 Post Rock
- 140 Shale
- 320 Blue Shale
- 650 Blue Shale & Shale
- 730 Shale
- 1050 Sand, Pyrite & Sand
- 1318 Red Bed
- 1355 Anhydrite
- 1970 Shale & Shells
- 3045 Shale & Lime
- 3180 Lime
- 3300 Lime & Shale
- 3595 Lime
- 3650 Arbuckle
- 3650 RTD

RECEIVED
STATE CORPORATION COMMISSION

DEC 9 1964

CONSERVATION DIVISION
Wichita, Kansas

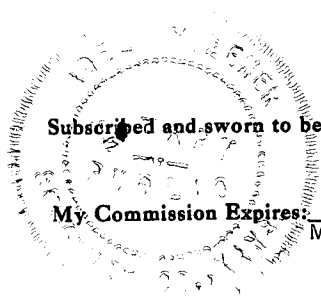
State of KANSAS
 County of SEDGWICK } ss:

I, C. Robert Buford of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Hadley "E-3" well.

MURFIN DRILLING COMPANY
 By: C. Robert Buford
 C. Robert Buford

Subscribed and sworn to before me this 8th day of December 19 64



My Commission Expires: ADELA MIZENER, Notary Public
 My commission expires November 5, 1966

Adela Mizener
 NOTARY PUBLIC