

MAY 15 1971

DRILLERS LOG

No. 23 Marshall "A"

CASING RECORD: . . . . . COMPANY: Lario Oil & Gas Company

DESCRIPTION:

9 5/8" @ 1370'  
w/600 sx cement

CONTRACTOR: Red Tiger Drilling Co.

NE SW NE

COMMENCED: April 28, 1971

36-118-18W

Ellis County,  
Kansas

COMPLETED: May 7, 1971

TOTAL DEPTH: 3672'

ELEVATION:

2119' KB

Dry/ark

| <u>FORMATION</u>    | <u>FROM</u> | <u>TO</u> | <u>REMARKS</u>            |
|---------------------|-------------|-----------|---------------------------|
| Shale               | 0           | 100       | Sample Tops:              |
| Shale, sand streaks | 100         | 800       | Topeka 3088 (-969)        |
| Shale & Pyrite      | 800         | 880       | Heebner 3322 (-1203)      |
| Sand                | 880         | 1010      | Toronto 3339 (-1220)      |
| Shale               | 1010        | 1175      | Lansing-K.C. 3363 (-1244) |
| Shale               | 1175        | 1354      | Congl. 3623 (-1504)       |
| Anhydrite           | 1354        | 1389      | Simpson 3645 (-1526)      |
| Shale               | 1389        | 1975      | Arbuckle 3662 (-1543)     |
| Shale & Lime        | 1975        | 2190      | Total Depth 3672 (-5553)  |
| Lime & Shale        | 2190        | 2435      |                           |
| Lime                | 2435        | 2950      |                           |
| Lime & Shale        | 2950        | 3090      |                           |
| Lime                | 3090        | 3672      |                           |

I certify that this is a true and correct copy of the above log  
to the best of my knowledge.

RED TIGER DRILLING COMPANY

Jim Farrice  
Jim Farrice

Subscribed and sworn to before me this 10th day of May, 1971.

Virginia K. Albert  
Notary Public