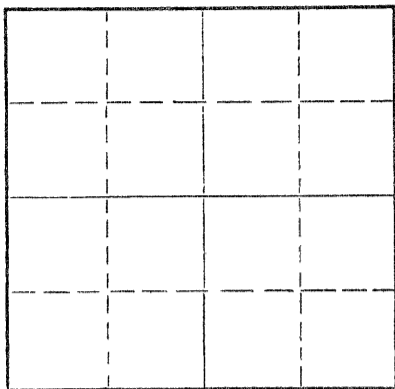


Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 No. Market  
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above  
Section Plat

Rooks County. Sec. 18 Twp. 9 Rge. 16W (X) (W)  
Location as "NE/CNW/SW" or footage from lines NW SE SW  
Lease Owner Murfin Drilling Company  
Lease Name Dougherty "B" Well No. 1  
Office Address 617 Union Center Wichita, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) D&A  
Date well completed \_\_\_\_\_ 19\_\_\_\_  
Application for plugging filed \_\_\_\_\_ 19\_\_\_\_  
Application for plugging approved \_\_\_\_\_ 19\_\_\_\_  
Plugging commenced April 8, 19 58  
Plugging completed April 8, 19 58  
Reason for abandonment of well or producing formation \_\_\_\_\_

If a producing well is abandoned, date of last production \_\_\_\_\_ 19\_\_\_\_  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? yes

Name of Conservation Agent who supervised plugging of this well Eldon Petty  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3455 Feet  
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 |
|-----------|---------|------|----|------|--------|------------|
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |
|           |         |      |    |      |        |            |

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 for each plug set.

8 5/8" at 184' circulated with cement.  
Gunned pits, circulated hole with heavy mud, set cementing plug at 550', displaced 20 sacks cement through drill pipe, heavy mud to 170' set cementing plug, 1/2 sack hulls and 15 sacks cement, heavy mud to 40', set cementing plug, 1/2 sack hulls and 10 sacks cement to bottom of cellar.

*Handwritten notes and stamps:*  
JUN 29 1966 6/29/66

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Murfin Drilling Company  
Address 617 Union Center Wichita, Kansas

STATE OF KANSAS COUNTY OF SEDGWICK, ss.  
Maurice Langley, Jr. (employee of owner) or (~~owner or operator~~) of the 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 and that the same are true and correct. So help me God.

(Signature) Maurice Langley, Jr.  
617 Union Center - Wichita, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 27th day of June, 1966

My commission expires \_\_\_\_\_  
ADELA MIZENER, Notary Public  
My commission expires November 5, 1966  
Adela Mizener  
Notary Public.

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY  
508 East Murdock, Wichita, Kansas

COPY

Company- MURFIN & OSAGE OIL & GAS  
Farm- Dougherty "B" No. 1

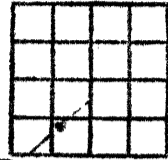
SEC. 18 T. 9 R. 16W  
NW SE SW

Total Depth. 3455'  
Comm. 4-1-58  
Shot or Treated.  
Contractor. Murfin Drlg.  
Issued. 7-12-58

KCC ZAP  
4/8/58  
Comp. 4-18-58

County Rocks  
KANSAS

RECEIVED  
STATE CORPORATION COMMISSION  
7/16/58  
JUL 16 1958



8" CASING:  
184'

Elevation. 2012' KB  
Wichita, Kansas  
Production. Dry

Figures Indicate Bottom of Formations.

| Interval  | Description  | Interval  | Description  |
|-----------|--|-----------|--|
|           | All meas. from top of KB.  | 3023-29   | shale, dark gray   |
|           | DRILLERS LOG NOT AVAILABLE   | 3029-35   | limestone, tan to gray, sub-crystalline  |
|           | Drillers log 0-2800, sample log 2800 to TD   | 3035-39   | shale, dark gray   |
| 0-55      | post rock & shale  | 3039-43   | limestone, tan to brown, dense, shaly  |
| 55-70     | shale & sand   | 3043-50   | limestone, cream to white, finely sucrose; spotted fine vugular porosity   |
| 70-140    | probably shale, skipped on DL  | 3050-65   | limestone, cream to white, sub-crystalline, some chalky; trace cream, semi-translucent vitreous chert  |
| 140-184   | shale & shells   | 3065-72   | limestone, cream, subcrystalline fair vugular porosity 3065-67 and 3070-72   |
| 184-720   | shale  | 3072-86   | limestone, cream to tan, sub-crystalline, fossiliferous, shaly   |
| 720-835   | shale & shells   | 3086-3100 | limestone, cream to gray, sub-crystalline, to dense; chert, white, vitreous, figured   |
| 835-960   | sand   | 3100-03   | shale, brown-black, soft, carbonaceous   |
| 960-1239  | red bed & shells   | 3103-07   | limestone blue-gray subcrystalline   |
| 1239-74   | anhydrite  | 3107-20   | shale, dark gray to brown  |
| 1274-1595 | shale & shells   | 3120-32   | limestone, cream, white & greenish white, subcrystalline chalky; chert, white & brown mottled  |
| 1595-1735 | salt & shale   | 3132-41   | shale, gray-green, finely micaceous, silty   |
| 1735-45   | shale & shells   | 3141-45   | limestone, cream, subcrystalline oolitic & fossiliferous; fair spotted vugular porosity 3143-45  |
| 1745-2070 | shale & limestone  | 3145-75   | much gray-green to brown shale; limestone, cream to tan, sub-crystalline to dense; trace porosity 3162-67  |
| 2070-2515 | limestone & shale  | 3175-90   | limestone, cream to buff, sub-crystalline, fossiliferous; some buff, finely crystalline dolomitic limestone  |
| 2575-2800 | shale & limestone  | 3190-3214 | limestone, tan to cream, finely sucrose, crypto-oolitic; some inter-oolitic porosity 3190-92, 3197-3200 & 3210-12, streaks brown shale 3192-96 & 3202-06 |
| 2800-08   | shale, gray & gray-green   | 3214-21   | mostly shale, gray to brown  |
| 2808-20   | limestone, tan to gray, finely crystalline, fossiliferous; streak gray shale 2814-17                               | 3221-25   | limestone, gray to tan, sub-crystalline, very fossiliferous  |
| 2820-28   | shale, gray  | 3225-40   | limestone, tan, very finely sucrose to dense, dolomitic; some tan chert, streaks dark gray, soft shale   |
| 2828-31   | limestone, tan, dense  | 3240-48   | limestone, light gray, sucrose very oolitic; good oolitic porosity   |
| 2831-50   | shale, gray, silty; much crystalline pyrite; some fine tight sand  | 3248-3294 | limestone, cream to blue-gray to tan, subcrystalline to dense; chert, flesh, sub-tan & gray, congl.  |
| 2850-61   | limestone, light gray to cream, subcrystalline, fossiliferous  |           |  |
| 2861-81   | shale, gray, silty, micaceous; stringers fine gray-green shaly sand  |           |  |
| 2881-88   | limestone, tan to gray, finely crystalline to subcrystalline, fossiliferous  |           |  |
| 2888-2892 | limestone, finely sucrose, cream, oolitic; a few ooliticasts; chert, white, oolitic                                |           |  |
| 2892-94   | shale, gray to brown   |           |  |
| 2894-2904 | limestone, blue-gray, dense  |           |  |
| 2904-07   | shale, dark gray   |           |  |
| 2907-09   | limestone, gray, subcrystalline/ spotted fine vugular porosity   |           |  |
| 2909-12   | shale, as above  |           |  |
| 2912-45   | limestone, tan, subcrystalline to dense; few streaks dark gray shale   |           |  |
| 2945-58   | limestone, tan to gray, finely crystalline, fossiliferous, calcitic; spotted vugular porosity                      |           |  |
| 2958-68   | limestone, tan to brown, dense fossiliferous, shaly  |           |  |
| 2968-78   | limestone, as above, calcitic; spotted vugular porosity  |           |  |
| 2978-97   | mostly shale, gray to brown, black; streaks limestone, as above  |           |  |
| 2997-3012 | limestone, cream, subcrystalline   |           |  |
| 3013-23   | limestone, cream to light gray, subcrystalline, streaks very fine honeycomb porosity 3012-16, 3018-20 and 3022-23. |           |  |

(OVER)

15-163-00754-0000 COPY

|   |           |  |
|---|-----------|--|
| gray-black shale  | 2907-09   | spotted light stain, no free oil   |
| 3294-99 shale, gray to brown  | 2945-58   | no show  |
| 3299-3303 limestone, as above; some thin porous streaks; chert, as above  | 2968-78   | no show  |
| 3303-06 limestone, as above   | 3013-23   | trace of free oil, no odor   |
| 3306-09 limestone, buff, subcrystalline; spotted fair oolitic porosity, poor permeability   | 3029-35   | electric log shows some porosity no porosity detected in samples.  |
| 3309-16 limestone, tan to buff, subcrystalline, chalky  | 3043-50   | slight show free oil, trace odor; spotted light staining; DST #1   |
| 3316-18 shale, gray-brown   | 3065-72   | fair to good show free oil, fair odor, good stain; DST #1  |
| 3318-23 limestone, cream, subcrystalline chalky, poor oolitic porosity  | 3141-45   | trace free oil, fair light stain   |
| 3316-18 & 3322-23   | 3145-75   | no show  |
| 3323-24 shale, as above   | 3190-3214 | fair shows free oil, fair odor; DST #2   |
| 3324-30 limestone, cream to gray, subcrystalline; chert, gray, opaque to semi-translucent   | 3240-48   | good odor, very good show free oil, The electric log shows only a thin streak of porosity at the top of this zone but it appears to be uniformly porous in the samples; DST #3 |
| 3330-32 limestone, tan to gray, very finely sucrose dolomitic; very poor porosity   | 3299-3303 | spotted staining   |
| 3332-64 limestone, cream to tan, subcrystalline to dense; streaks brown-black to gray-green shale   | 3306-09   | very slight show free oil, trace odor  |
| 3364-73 shale, gray to gray-green   | 3318-23   | trace free oil, no odor  |
| 3373-88 limestone, gray, earthy, fossiliferous; limestone, cream to buff, dolomitic, grading into cream sucrose dolomite  | 3330-32   | spotted fair light stain, no free oil.   |
| 3388-99 shale, gray, muddy; trace fine gray-green shaly sand  | 3442-50   | spotted good show dark free oil, no odor, DST #4   |
| 3399-3409 limestone, cream to brown, subcrystalline to finely sucrose, dolomitic & calcitic, fossiliferous; some tan to cream vitreous chert  | 3451-54   | very good show dark free oil, no odor; DST #5  |
| 3409-15 shale gray to green, some silty   |           | Ran electric log 4-7-58  |
| 3415-20 limestone, cream to pink mottled to buff, finely sucrose; trace tan semi-translucent chert  |           |  |
| 3420-22 shale, green  |           |  |
| 3422-3432 limestone, as above; some brown, resinous, very fossiliferous limestone; streak green shale   |           |  |
| 3428-30   |           |  |
| 3432-34 shale, gray-green   |           |  |
| 3434-40 limestone, buff to red & white mottled, subcrystalline; some gray, subcrystalline sandy, dolomitic limestone; much vitreous chert   |           |  |
| 3440-42 shale, green  |           |  |
| 3442-50 dolomite, red, cream & gray, sucrose; dolomite, gray subcrystalline to finely crystalline rhombohedral; thin streaks fair vugular porosity; much tan to white subvitreous chert |           |  |
| 3450-51 dolomite, cream, crystalline  |           |  |
| 3451-54 dolomite, cream, crystalline to coarsely crystalline, rhombohedral, some sandy; very good vugular porosity  |           |  |
| 3454-55 dolomite; tan to brown coarsely crystalline, non porous   |           |  |

Total Depth 3455'

TOPS:

|                  |                         |
|------------------|-------------------------|
| Stone Corral     | 1239 (Electric Log Top) |
| Topeka           | 2881                    |
| Heebner          | 3100                    |
| Leavenworth      | 3103                    |
| Snyderville      | 3107                    |
| Toronto          | 3120                    |
| Douglas          | 3132                    |
| Lansing          | 3141                    |
| Base Kansas City | 3364                    |
| Marmaton         | 3364                    |
| Arbuckle         | 3442                    |

RECEIVED  
 STATE CORPORATION COMMISSION

JUL 16 1964 7/16/64

CONSERVATION DIVISION  
 Wichita, Kansas