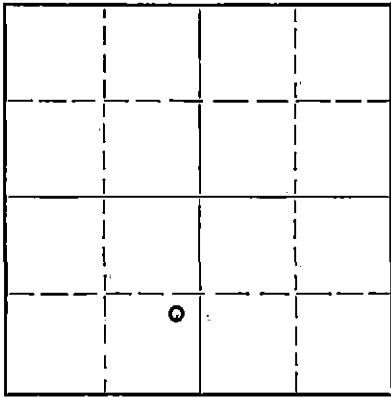


WELL PLUGGING RECORD

Get All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
800 Bittling Building  
Wichita, Kansas

NORTH



Locate well correctly on above  
Section Plat

Barton County, Sec. 19 Twp. 16 Rge. 11 (E) W. (W)  
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines NE SE SW  
Lease Owner Northern Pump Company  
Lease Name Hoffman Well No. 1  
Office Address Box 317, Great Bend, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed July 17 19 42  
Application for plugging filed July 7 19 52  
Application for plugging approved July 8 19 52  
Plugging commenced July 31 19 52  
Plugging completed Sept. 6 19 52  
Reason for abandonment of well or producing formation Dry  
If a producing well is abandoned, date of last production July 3 19 52  
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 Harold J. Hollis  
Producing formation Arbuckle Depth to top 3355 Bottom 3366 Total Depth of Well 3366 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 |
|--------------------|-------------|------|----|---------|--------|------------|
| Topeka             | 2708 - 793  |      |    | 10-3/4" | 770'   | 295'       |
| Lansing Brown Lime | 3055 - 1140 |      |    | 5 1/2"  | 3363   | 1361.10'   |
| Lansing White Lime | 3075 - 1160 |      |    |         |        |            |
| Conglomerate       | 3328 - 1413 |      |    |         |        |            |
| Top of Sand        | 3355 - 1440 |      |    |         |        |            |
| Total Depth        | 3366 - 1451 |      |    |         |        |            |

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.

Pulled casing: Dumped 6 sacks cement on bottom and 15 foot of gravel on top; dumped 20 sacks cement at 340 feet and 20 sacks cement at 320 feet; dumped 35 sacks cement; hole filled to top of cellar.

RECEIVED  
STATE CORPORATION COMMISSION  
9-17-52  
SEP 17 1952

CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Northern Pump Company  
Address Box 317  
Great Bend, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.  
Chas. J. Beu (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) *Chas J Beu*  
Chas. J. Beu, General Manager  
Box 317, Great Bend, Kansas  
(Address)

SUBSCRIBED AND SWORN to before me this 15 day of September, 19 52

My commission expires October 23, 1954

*Gene Kelly*  
Notary Public.

PLUGGING  
FILE SEC 19 T 16 R 11 W  
NOV 28 1952

15009-15187-0000

BLACK-MARSHALL OIL COMPANY

#1 J. B. Hoffman 19-16S-11W Barton County, Kansas  
(NEO SE 1/4 SW 1/4)

|                      |         |         |          |
|----------------------|---------|---------|----------|
| Commenced Rigging up | 6-3-42  | 12 1/2" | 599'     |
| Completed Rigging up | 6-6-42  | 10 3/4" | 770'     |
| Commenced Drilling   | 6-2-42  | 8 1/2"  | 2484'    |
| Completed Drilling   | 7-17-42 | 7"      | 5050' 6" |
|                      |         | 5 1/2"  | 3303'    |

Elevation 1915

|                             |      |      |                   |                  |      |      |
|-----------------------------|------|------|-------------------|------------------|------|------|
| Cellar                      | 0    | 10   |                   | Lime & Shale     | 1535 | 1580 |
| Yellow Clay                 | 10   | 14   |                   | Lime             | 1580 | 1590 |
| Foot Rock                   | 14   | 20   |                   | Red Rock         | 1590 | 1600 |
| Yellow Clay                 | 20   | 40   |                   | Lime             | 1600 | 1625 |
| Blue Shale                  | 40   | 90   |                   | Shale            | 1625 | 1630 |
| Shale Dark                  | 90   | 130  |                   | Shale            | 1630 | 1685 |
| Shale Dark                  | 130  | 175  |                   | Lime             | 1655 | 1670 |
| Sand                        | 175  | 190  | 5 B.W. 175-100'   | Lime             | 1670 | 1680 |
| Sandy Shale                 | 190  | 205  |                   | Shale Blue       | 1680 | 1685 |
| Red Rock                    | 205  | 210  |                   | Red Rock         | 1685 | 1705 |
| Red Rock                    | 210  | 235  |                   | Lime             | 1705 | 1715 |
| Sand                        | 235  | 250  | 8 B.W. 245'       | Lime             | 1715 | 1730 |
| Red Rock                    | 250  | 250  |                   | Shale            | 1730 | 1740 |
| Shale Blue                  | 250  | 275  |                   | Lime             | 1740 | 1745 |
| Red Rock                    | 275  | 310  | 13 B.W.           | Lime             | 1745 | 1770 |
| Shale Blue                  | 310  | 335  | H.F.W.            | Sand             | 1770 | 1775 |
| Red Rock                    | 335  | 350  | H.F.W.            |                  |      |      |
| Red Rock, Shale<br>and Sand | 350  | 375  | H.F.W.            | Lime             | 1775 | 1780 |
| Shale                       | 375  | 390  | H.F.W.            | Lime             | 1780 | 1825 |
| Shale gray                  | 390  | 455  |                   |                  |      |      |
| Shale gray                  | 455  | 490  |                   | Shale            | 1825 | 1830 |
| Sand                        | 490  | 515  | 3 B.W. 490-495'   | Shale            | 1830 | 1840 |
| Shale                       | 515  | 640  | 7 B.W. 510-515'   | Lime             | 1840 | 1870 |
| Red Rock                    | 640  | 670  |                   | Shale & Red Rock | 1870 | 1875 |
| Shale                       | 670  | 685  | 10 B.W.           | Shale            | 1875 | 1880 |
| Red Rock                    | 685  | 610  |                   | Lime             | 1880 | 1900 |
| Sand                        | 610  | 620  |                   | Shale            | 1900 | 1915 |
| Shale Blue                  | 620  | 625  | 13 B.W.           | Shale            | 1915 | 1925 |
| Red Sand                    | 625  | 635  | H.F.W.            | Red Rock         | 1925 | 1955 |
| Red Shale                   | 635  | 645  |                   | Lime             | 1955 | 1945 |
| Shale Red                   | 645  | 675  |                   | Lime             | 1945 | 1950 |
| Red Rock                    | 675  | 695  |                   | Lime             | 1950 | 1965 |
| Red Rock                    | 695  | 715  |                   | Shale            | 1965 | 1985 |
| Red Rock                    | 715  | 740  |                   | Shale & Shells   | 1985 | 2020 |
| Red Rock                    | 740  | 760  |                   | Shale            | 2020 | 2025 |
| Red Rock                    | 760  | 770  |                   | Lime broken      | 2025 | 2040 |
| Lime                        | 770  | 775  |                   | Lime broken      | 2040 | 2050 |
| Anhydrite                   | 775  | 795  |                   | Red Rock         | 2050 | 2070 |
| Red Rock                    | 795  | 830  |                   | Red Rock         | 2070 | 2075 |
| Red Rock                    | 830  | 865  |                   | Lime             | 2075 | 2085 |
| Red Rock                    | 865  | 885  |                   | Lime             | 2085 | 2090 |
| Red Rock                    | 885  | 935  |                   | Shale            | 2090 | 2125 |
| Red Rock                    | 935  | 980  |                   | Shale            | 2125 | 2130 |
| Shale Blue                  | 980  | 1005 |                   | Lime             | 2130 | 2135 |
| Shale Blue                  | 1005 | 1030 |                   | Shale            | 2135 | 2140 |
| Red Rock                    | 1030 | 1055 |                   | Red Rock         | 2140 | 2150 |
| Red Rock                    | 1055 | 1085 |                   | Lime             | 2150 | 2155 |
| Blue Shale                  | 1085 | 1125 |                   | Shale & Shells   | 2155 | 2175 |
| Shale Blue                  | 1125 | 1135 |                   | Lime Shells      | 2175 | 2185 |
| Shale                       | 1135 | 1190 |                   | Lime & Shells    | 2185 | 2230 |
| Salt Broken                 | 1190 | 1235 |                   | Shale            | 2230 | 2245 |
| Salt                        | 1235 | 1305 |                   | Shale & Shells   | 2245 | 2275 |
| Salt                        | 1305 | 1360 |                   | Shale Blue       | 2275 | 2290 |
| Salt                        | 1360 | 1405 | 1 B.W. 1390-1400' | Lime             | 2290 | 2295 |
| Salt                        | 1405 | 1460 |                   | Shale            | 2295 | 2310 |
| Salt                        | 1460 | 1485 |                   | Lime             | 2310 | 2315 |
| Shale & Shells              | 1485 | 1505 |                   | Shale & Shells   | 2315 | 2347 |
| Lime & Shale                | 1505 | 1535 |                   | Shale & Shells   | 2347 | 2390 |

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Wichita, Kansas

PLUGGING  
FILE SEC 19 T 16  
BOOK PAGE 21 LINE 34

15-009-15187-0000

BLACK-MARSHALL OIL COMPANY

#1 J. B. Hoffman 19-16S-11W Barton County, Kansas

Page 2 Continued

|                |      |      |                             |                   |                          |
|----------------|------|------|-----------------------------|-------------------|--------------------------|
| Shale & Shells | 2390 | 2415 | Lime                        | 2860              | 2886                     |
| Shale          | 2415 | 2425 | Lime                        | 2885              | 2920 $1\frac{1}{2}$ B.W. |
| Shale          | 2425 | 2435 | Lime                        | 2920              | 2960                     |
| Lime           | 2435 | 2440 | Lime                        | 2950              | 2975                     |
| Lime           | 2440 | 2450 | Lime                        | 2975              | 2980                     |
| Shale Light    | 2450 | 2460 | Shale                       | 2980              | 2985                     |
| Shale          | 2460 | 2490 | Lime                        | 2985              | 3000                     |
| Shale          | 2490 | 2505 | Red Rock                    | 3000              | 3010                     |
| Shale & Shells | 2505 | 2535 | Lime                        | 3010              | 3020                     |
| Shale & Shells | 2535 | 2665 | Lime                        | 3020              | 3025 S.O.                |
| Shale & Shells | 2565 | 2590 | Lime                        | 3025              | 3030                     |
| Shale & Shells | 2590 | 2640 | Shale                       | 3030              | 3036                     |
| Shale & Shells | 2640 | 2650 | Lime                        | 3035              | 3045                     |
| Lime           | 2650 | 2660 | Shale                       | 3045              | 3055                     |
| Shale          | 2660 | 2673 | Shale                       | 3055              | 3070                     |
| Lime           | 2673 | 2675 | Lime                        | 3070              | 3075                     |
| Lime           | 2675 | 2680 | Red Rock                    | 3075              | 3078                     |
| Shale          | 2680 | 2690 | Lime                        | 3078              | 3080                     |
| Lime           | 2690 | 2715 | Lime                        | 3080              | 3105                     |
| Lime           | 2715 | 2755 |                             |                   |                          |
| Lime Broken    | 2755 | 2765 | $\frac{1}{2}$ B.W. 2715-25' | S.O. 3080-90'     |                          |
| Lime Sandy     | 2765 | 2785 | Lime                        | 3105              | 3110                     |
| Lime           | 2785 | 2820 | Shale                       | 3110              | 3120                     |
| Lime           | 2820 | 2860 | Lime                        | 3120              | 3145                     |
|                |      |      | Lime                        | 3145              | 3170                     |
|                |      |      | Lime                        | 3170              | 3190                     |
|                |      |      |                             |                   |                          |
|                |      |      | 1 B.W. 2785'                | 2 B.W. 3180-3190' |                          |
|                |      |      | Lime                        | 3190              | 3195                     |
|                |      |      | Shale                       | 3195              | 3200                     |
|                |      |      | Lime                        | 3200              | 3230                     |
|                |      |      | Lime                        | 3230              | 3255                     |
|                |      |      | Lime                        | 3255              | 3275                     |
|                |      |      | Lime                        | 3275              | 3300                     |
|                |      |      | Lime                        | 3300              | 3325                     |
|                |      |      | Lime                        | 3325              | 3345                     |
|                |      |      | Conglomerate                | 3345              | 3347                     |
|                |      |      | Conglomerate                | 3347              | 3362                     |
|                |      |      | Gorham Sand                 | 3362              | 3368                     |
|                |      |      | Sand                        | 3368              | 3373                     |

CORRECTION SYPO MEASUREMENTS

|                              |       |       |      |
|------------------------------|-------|-------|------|
| Topoka                       | 2712' | Minus | 797  |
| Topoka corrected             | 2708' | Minus | 793  |
| Lansing Brown Lime           | 3060' | Minus | 1145 |
| Lansing Brown Lime corrected | 3055' | Minus | 1140 |
| Lansing White Lime           | 3080' | Minus | 1165 |
| Lansing White Lime corrected | 3075' | Minus | 1160 |
| Conglomerate                 | 3335' | Minus | 1420 |
| Conglomerate corrected       | 3328' | Minus | 1413 |
| Top of Sand                  | 3362' | Minus | 1447 |
| Top of Sand corrected        | 3355' | Minus | 1440 |
| Total Depth                  | 3373' | Minus | 1458 |
| Total Depth corrected        | 3366' | Minus | 1451 |

BLACK-MARSHALL OIL COMPANY

#1 J. B. Hoffman 19-169-11W Barton County, Kansas

Page 3 Continued

The Lansing had porosity with water at 3176-90 (corrected 3169-84) and on encountering the conglomerate sand bailed seven bailers net oil per hour. The sand had characteristics of Arbuckle sand but appeared to be reworked so that it should be classified as conglomerate sand. The well was completed for 287 barrels of oil on the pump, no water showing.

BLACK-MARSHALL OIL COMPANY

*Leon F. Huff*  
Leon F. Huff, Asst. Supt. & Treas.

STATE OF KANSAS )  
                          ) SS  
COUNTY OF SEDGWICK )

I hereby certify that the above is a true and correct record of the formations penetrated in the drilling of the J. B. Hoffman #1 well located in the NE 1/4 SW 1/4 of Sec. 19-169-11W, Barton County, Kansas.

*Leon F. Huff*  
\_\_\_\_\_  
Leon F. Huff

Subscribed and sworn to before me this 29 day of July, 1943.

*Naomi Moran*  
\_\_\_\_\_  
Notary Public

My commission expires:  
My commission expires May 18, 1943