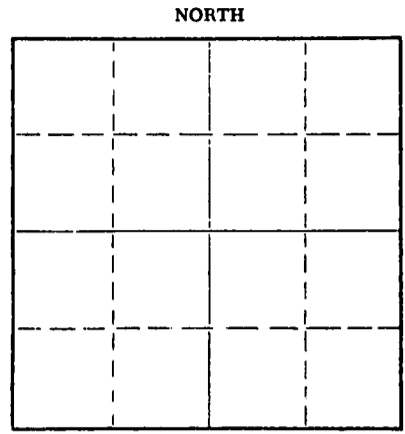


15-163-03290-0000

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

WELL PLUGGING RECORD



Locate well correctly on above
Section Plat

Rooks County. Sec. 11 Twp. 10 Rge. (E) 20 (W)
Location as "NE/CNW/SW" or footage from lines SW-SE-NE
Lease Owner I. O. Miller Oil Co.
Lease Name Croffoot Well No. 3A
Office Address 619 Brown Building, Wichita, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed 11-21 19 51
Application for plugging filed 2-3 19 64
Application for plugging approved 19
Plugging commenced 2-8 19 64
Plugging completed 2-24 19 64
Reason for abandonment of well or producing formation Dry--worked over and too much water, no oil.
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 Arbuckle Depth to top 3815 Bottom 3829 Total Depth of Well 3844 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 |
| Arbuckle | | | | 5 1/2 | 3815 | 2408 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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.

The 5 1/2 oil string was sanded back to 3800 ft. and mixed and dumped 4 sks of cement on sand. Pulled csg. to 420 ft. Circulated 29 sks of Ceb. and spotted 20 sks of cement pulled to 200 ft. filled with mud and spotted 20 sks cement. Mud to 35' and 10 sks to surface.

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MAR 16 1964
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Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Apex Csg. Pulling
Address 739 East 2nd, Hoisington, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.

(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) Bruce Thompson
739 East 2nd, Hoisington, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 24th. day of February 19 64
[Signature]
Notary Public.

My commission expires 2-25-66

Croffcut A-3 - SW SE NE/4 Section 11-10-20 Rooks County, Kansas
 Company - I. O. Miller
 Contractor - Virginia Drig. Co Inc.
 Commenced - December 8, 1953
 Completed Rotary hole - December 19, 1953
 Elevation - 2234 BB
 Rotary total depth - 3815.

8 5/8" at 209 ft.
 5 1/2" at 3813 ft.

| FORMATION | DEPTH | TOPS: |
|--------------|----------------|-------------------------|
| Soil-sand | 0- 209 | 3456 - Heebner |
| Shale | 209- 495 | 3479 - Toronto |
| Shale-sand | 495-1675 | 3493 - Kansas City |
| Anhydrite | 1675-1705 | 3711 - Base Kansas City |
| Shale-shells | 1705-2150 | 3743 - Conglomerate |
| Shale-lime | 2150-2555 | 3764 - Simpson |
| Lime | 2555-2565 | 3810 - Arbuckle |
| Lime-shale | 2565-2785 | |
| Shale-shells | 2785-2920 | |
| Shale-lime | 2920-3430 | |
| Lime | 3430-3815 RTD. | |

S. A. Murphy
 S. A. Murphy

Subscribed and sworn to before me, a Notary Public,
 this 23rd day of December 1953.

Walter Hawkins
 Notary Public

My commission expires: Feb. 5, 1957.

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CONSERVATION DIVISION
 Wichita, Kansas

ELLEDGE & POWELL
PETROLEUM GEOLOGISTS
1201 UNION NATIONAL BANK BUILDING
WICHITA 2, KANSAS

15-163-03290-0000

December 21, 1953

Subject: I. O. Miller, Croffoot 3 "A"
SW SE NE, Section 11-10-20W
Rooks County, Kansas

Mr. I. O. Miller
Ellis, Kansas

The following is a report on your Croffoot No. 3 "A", one location North of your recently drilled No. 3 "B". It is in the SW SE NE of Section 11-10-20W, Rooks County, Kansas.

| | | |
|---------------------|---------|---------|
| Elevation | 2231 DF | 2234 RB |
| Heebner | 3456 | -1222 |
| Toronto | 3479 | -1245 |
| Lansing-Kansas City | 3493 | -1259 |
| Base Kansas City | 3711 | -1477 |
| Conglomerate | 3743 | -1509 |
| Simpson | 3764 | -1530 |
| Arbuckle | 3810 | -1576 |
| Rotary Total Depth | 3815 | |

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Samples were examined on the No. 3 "A" Croffoot from 3200 feet and drilling was watched from 3450 to total depth. There were no shows of oil in the Tepeka section of this test.

Zones of porosity are developed in the Lansing-Kansas City section as follows:

1. 3521 to 3524: poor porosity, no stain.
2. 3546 to 3550: poor porosity, a trace of staining.
3. 3578 to 3582: good porosity, no free oil, considerable oil residus.
4. 3588 to 3594: fair porosity, no staining.
5. 3665 to 3672: poor porosity, trace of light staining.

In my opinion, none of these zones in the Lansing-Kansas City have any commercial value.

An exceptionally thick section of Simpson is developed in this test from 3764 to 3810, a total of 46 feet as compared with an average of less than 30 feet in other wells in the area. The section does not appear to be weathered, and includes a well developed dolomite section from 3772 to 3784 which is not present in near-by wells, and probably accounts for the extra thickness. No shows of oil are present in the Simpson.

The Arbuckle, penetrated five feet from 3810 to 3815, is a medium crystalline to granular, slightly porous dolomite and samples circulated at 3815 had faint odor and fair saturation. A drill stem test at 3815 with packer set at 3811 was open one hour

Mr. I. O. Miller
No. 3 "A" Croffoot

December 21, 1953
Page 2

and recovered 55 feet of fluid including 50 feet of oil and muddy oil and 5 feet of mud and muddy water. A bottom hole pressure of 820 pounds was recorded.

Structurally, the Croffoot No. 3 "A" is definitely low as compared with near-by producing wells. It is 7 feet lower on the Lansing-Kansas City, 11 feet lower on the Conglomerate, 10 feet lower on the Simpson, and 29 feet lower on the Arbuckle than the direct South offset, your Croffoot "B" 3. It is, however, only 8 feet lower on the Arbuckle than the G-G No. 2 Croffoot, completed as an Arbuckle producer several years ago, located in the SW NW SW of Section 11, and is 5 feet higher on the Arbuckle than a small Arbuckle producer approximately one mile North in the NE NE SW of Section 2.

Since the drill stem test in the Arbuckle indicated the possibility of a small Arbuckle well, and since it is the No. 2 producing well on the lease, it was recommended that five inch casing be cemented at 3810' and the Arbuckle tested. As stated above, it is my opinion that none of the zones in the Topeka or Lansing-Kansas City are of any commercial value.

A condensed copy of the time log accompanies this report.

Yours very truly,

ELLEDDGE & POWELL

Emmett R. Elledge
BY: Emmett R. Elledge

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Wichita, Kansas

ELLEGE & POWELL
 PETROLEUM GEOLOGISTS
 1201 UNION NATIONAL BANK BUILDING
 WICHITA 2, KANSAS

December 21, 1953

TIME LOG

I.O. Miller, Croffoot No. 3 "A", SW SE NE, Section 11-10-20W, Rocks County, Kansas

| DEPTH | | DRILLING TIME | REMARKS | |
|-------|------|------------------------------|----------------------|--|
| From | To | | | |
| 3200 | 3210 | 2-4-4-3-2-2-2-2-1-1 | | |
| | 3220 | 1-1-2-2-2-3-3-3-2-2 | | |
| | 3230 | 3-2-2-2-4-4-3-4-4-4 | | |
| | 3240 | 5-6-7-5-3-2-3-3-3-3 | | |
| | 3250 | 4-3-4-3-3-4-2-7-8-6 | | |
| | 3260 | 6-7-6-6-4-5-6-7-7-5 | | |
| | 3270 | 4-8-6-6-7-7-5-7-5-5 | | |
| | 3280 | 3-5-3-3-4-3-3-2-2-2 | | |
| | 3290 | 3-5-7-5-4-6-7-6-6-8 | | |
| | 3300 | 7-7-6-6-4-5-7-7-8-6 | | |
| | 3300 | 3310 | 7-7-6-6-5-9-5-6-6-5 | |
| | | 3320 | 4-4-3-3-2-3-4-4-6-4 | |
| | | 3330 | 3-3-4-3-2-3-2-3-1-2 | |
| | | 3340 | 2-2-4-4-3-5-4-5-5-5 | |
| | | 3350 | 10-5-4-6-4-3-2-6-5-3 | |
| | | 3360 | 2-3-2-2-3-4-3-4-4-6 | |
| | | 3370 | 7-8-12-6-5-5-5-4-3-2 | |
| 3380 | | 2-6-4-4-5-4-6-8-6-3 | | |
| 3390 | | 3-4-3-5-6-6-4-5-6-7 | | |
| 3400 | | 6-10-9-9-8-6-7-9-9-9 | | |
| 3400 | 3410 | 9-8-11-5-4-3-4-2-2-5 | | |
| | 3420 | 8-6-9-9-11-10-7-7-10-8 | | |
| | 3430 | 10-13-9-6-7-4-4-10-9-8 | | |
| | 3440 | 6-4-7-7-7-6-8-7-8-8 | | |
| | 3450 | 6-7-9-7-8-6-6-6-6-7 | | |
| | 3460 | 7-7-8-9-8-11-6-5-7-11 | | |
| | 3470 | 10-12-12-7-6-7-7-8-7-8 | | |
| | 3480 | 7-7-8-5-6-5-7-7-7-10 | | |
| | 3490 | 8-8-10-8-10-10-11-10-8-7 | | |
| | 3500 | 8-9-7-5-5-7-5-5-5-9 | | |
| 3500 | 3510 | 9-7-7-9-9-10-8-4-4-6 | | |
| | 3520 | 9-10-11-12-14-11-10-12-10-12 | | |
| | 3530 | 13-5-5-6-13-10-10-7-7-6 | | |
| | 3540 | 8-6-8-8-8-9-8-5-6-7 | | |
| | 3550 | 7-6-8-6-5-6-5-4-5-6 | | |
| | 3560 | 7-10-4-4-7-6-8-8-9-9 | | |
| | 3570 | 6-5-7-9-6-4-4-5-5-5 | | |
| | 3580 | 5-6-9-5-9-6-6-5-2-3 | | |
| | 3590 | 4-3-4-6-6-5-6-4-3-4 | | |
| | 3600 | 4-4-4-4-7-7-6-5-9-8 | | |

Trip # 3296

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Trip # 3507

Circ. # 3582

I. O. Miller
 Greffoot No. 3 "A"

December 21, 1953
 Page 2

| From | To | |
|------|------|----------------------------|
| 3600 | 3610 | 7-9-8-8-10-9-10-9-8-9 |
| | 3620 | 9-10-8-9-9-10-9-9-6-8 |
| | 3630 | 10-7-7-7-7-6-6-7-5-6 |
| | 3640 | 9-8-7-7-10-10-12-12-10-13 |
| | 3650 | 11-12-10-11-12-11-10-7-8-7 |
| | 3660 | 10-9-9-10-10-10-10-8-7-11 |
| | 3670 | 11-12-15-12-10-9-9-8-11-9 |
| | 3680 | 10-9-11-13-10-12-13-14-7-7 |
| | 3690 | 7-7-5-6-7-5-6-6-5-9 |
| | 3700 | 3700 |
| 3710 | | 6-5-4-6-6-5-5-5-6-6 |
| 3720 | | 8-4-3-3-3-4-4-4-4-5 |
| 3730 | | 7-6-10-7-5-4-3-4-4-5 |
| 3740 | | 4-5-3-4-5-3-6-8-9-5 |
| 3750 | | 4-5-6-5-3-4-4-4-4-4 |
| 3760 | | 5-4-5-6-5-4-4-4-5-4 |
| 3770 | | 4-4-5-6-3-4-4-7-7-7 |
| 3780 | | 5-6-11-11-10-12-12-10-9-10 |
| 3790 | | 10-11-10-12-9-5-7-7-4-6 |
| 3800 | 3800 | 9-8-6-9-9-7-8-8-8-7 |
| | 3810 | 7-7-5-8-7-6-5-5-10-8 |
| | 3815 | 5-5-6-9-11 |

Trip 3678, Circ. 3674

Circ @ 3770

Circ. @ 3787

Circ. 3791 & 3796

Circ 3802, 3808

Circ. 3815

RT.D. 3815

~~8 1/8~~ set 231 feet - 130 sack cement.
 Drilled to 3829 - 110 shows of oil.
 Deepened to 3844 - standard tube 110 shows.
 T.O. - 3829. 5 1/2 set at - 3812

Cemented 125 sack Cement

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