

STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

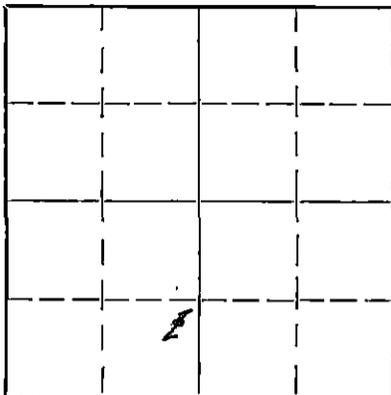
15-167-07172-0000  
WELL PLUGGING RECORD

OR  
FORMATION PLUGGING RECORD 0 1937

RECEIVED  
Strike out upper line when reporting plugging of formations.

7-10-37

NORTH



Locate well correctly on above Section Plat

Russell County. Sec. 2 Twp. 14 Rge. (E) 15 (W)

Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines NE-SE-SW

Lease Owner: Empire Oil and Refining Company

Lease Name: Crawford Well No. 15

Office Address: Bartesville, Okla.

Character of Well (Completed as Oil, Gas or Dry Hole): Dry Hole

Date, well completed: June 20 1937

Application for plugging filed: June 22 1937

Application for plugging approved: June 23 1937

Plugging Commenced: June 24 1937

Plugging Completed: June 27 1937

Reason for abandonment of well or producing formation: Hole full of water

If a producing well is abandoned, date of last production: 193

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: C.T. Alexander

Producing formation: Gorham sand Depth to top: 3324 Bottom: 3411 Total Depth of Well: 3425 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
Oswald Lime	light show oil	3065'	3105'	20"	20'	20'
Gorham Sand	water & Oil	3324	3325	15 $\frac{1}{2}$ "	372'	350'
"	water & oil	3325	3329	12 $\frac{1}{8}$ "	915'	915'
"	Water	3329	3332	10"	2518'	2518'
"				8-5/8"	3068'	3068'
"				7"	3325'	3325'

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.

Cemented hole with 18 sacks of cement from 3423' to 3325'. Hole mudded and 7" casing pulled. Hole mudded to 3068' and 8" plug set at 3065', hole mudded. 15 $\frac{1}{2}$ " plug driven to 270' cemented and mudded. Hole filled to top and capped with cement at bottom of cellar. Wood plug driven at each casing point except as noted above and mudded.

PLUGGING  
FILE SEC 2-12-R 154  
BOOK PAGE 95 LINE 42

(If additional description is necessary use BACK of this sheet)

Correspondence regarding this well should be addressed to: Empire Oil & Refining Company  
Address: Attention: M.M. Mahaffey, Oil Hill, Kansas.

STATE OF Kansas, COUNTY OF Russell, SS.

J.A. Cleverly (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) J.A. Cleverly

Empire Oil & Refining Co. Russell, Kansas.  
(Address)

SUBSCRIBED AND SWORN TO before me this JUL 2 1937, 19

My commission expires 4/23/1938 James J. Sherman Notary Public.

July 28

# WELL RECORD

Company Empire Oil & Refg. Co. No. 15 Farm Crawford  
 Location 925.4' N - 330' W of S/4 Cor. Sec. 2 Twp. 14 Rge. 15  
 Elevation \_\_\_\_\_ County RUSSELL State KANSAS

**RECEIVED**  
 JUN 10 1937  
*HA*

DATE COM. : 5-12-37  
 Date Completed 3-19-37 Initial Production P. & A.

Drd. by: Herman Trapp T.D. 3423'

Casing Record:	Water Record:
20" 25'10" Pulled	HFW 290-345'
15 1/2" 372' U.R. 530' Pulled	8 BW 385-390'
12 1/2" 915' Pulled	2 BWPH 710-20'
10" 2518' Pulled	7 BWPH 760'
8 1/4" 3068' Pulled	Inc. to
7" OD 3268' U.R. 3324' Pulled	9 BW 875-80'
	1/2 BW 1985'
	8 BW 3150-55'
	Wtr. inc. 3155-90'
	10 BWPH 3326'
	1300' wtr. - 600'
	oil 3326-31'

Formation:	Depth:
cellar	10
clay yellow	25
sand	55
slate blue	80
shale blue	150
blue mud	180
gray sandy shale	235
white shale	255
red rock	260
slate black	275
shale blue	290
sand	345
blue shale	380
black shale	385
water sand	390
shale dark	420
sand water	445
slate	460
black shale	500
sand	520
sand grey	550
red rock	575
red shale	590
sand	600
red shale	650
red rock	760
red sandy shale	800
red rock	835
red shale	805
anhydrite lime	915

Formation:	Depth:
lime	940
red rock	1090
blue shale	1180
red rock	1180
blue shale	1190
red rock	1195
blue shale	1270
salt	1565
shale grey	1575
shale and lime shells	1625
lime	1645
slate	1655
lime	1665
lime grey	1675
red rock	1685
lime grey	1735
shale	1745
lime	1775
lime grey	1785
blue shale	1790
red rock	1815
lime grey	1830
shale	1850
lime	1925
blue shale	1930
red rock	1940
lime grey	1955
lime	1975
red rock	1985
lime	2000
shale blue	2020
lime	2035
lime grey	2040
shale blue	2045
lime grey	2060
shale blue	2065
lime grey	2070
lime	2085
red rock	2090
shale blue	2100
lime	2110
shale	2115
lime	2140
red rock	2175

**PLUGGING**

WATER SEC. 2 T. 14 R. 15 W. 4  
 BOOK PAGE 95 LINE 42

Formation:	Depth:
lime	2180
red rock	2190
lime	2205
shale light	2215
lime	2245
red rock	2255
shale and shells	2290
lime	2310
shale	2320
shale and shells	2445
lime	2465
shale	2480
blue shale	2500
shale	2518
shale blue	2535
shale	2540
lime	2560
shale	2570
shale and shells	2585
lime	2595
lime grey	2805
shale blue	2810
shale and shells	2830
lime	2845
blue shale	2850
lime	2865
lime broken (S.O. 2865-70°)	2865
shale and shells	2730
lime	2740
shale	2765
shale and shells	2765
lime Topoka	2775
lime grey	2800
lime	2840
lime grey	2865
lime	2920
lime grey	2940
lime	2965
lime grey	2985
lime	3017
shale	3025
Dodge lime	3040
lime	3055
red rock and shale	3074
lime	3090
shale	3095
lime (S.O. 3100-05°)	3120
S.L.M. Corr.	3120=3117
lime (S.S.O. 3150-55)	3235
red rock	3239
lime	3255
lime grey	3265
lime	3273

Formation:	Depth:
shale blue	3278
shale and shells	3288
lime	3300
shale	3304
lime	3307
sandy shale	3315
lime	3321
Gorham sand	3322
S.L.M. Corr.	3322=3325
Gorham sand	3335
sand white	3345
sand	3365
sand grey	3365
sand white	3400
sand grey	3411
green shale	3413
lime grey	3415
lime	3425

Top Oswald 2065°  
Top Gorham Sand 3321°  
Total Depth 3423°

October 11, 1937

Hartman-Blair, Inc.  
Bitting Building  
Wichita, Kansas

Dear Sirs:

Referring to copies of letters which you wrote to Cities Service Oil Company on September 20th and October 7th, in re plugging of Cities Service Oil Company's Crawford Well in the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Sec. 2, Twp. 14, Rge. 15W, Russell County, Kansas, we have investigated the plugging of this well and find that it was supervised by our Mr. C. T. Alexander and in the opinion of the Conservation Office this well is satisfactorily plugged.

The 5-inch and 6-inch casing were pulled and a forty-foot cement plug was put in, then filled up 3,000 feet with mud, then pulled the 8-inch, 10-inch, 12-inch, and 15-inch casing. A bridge was set at 350 feet with rock and twenty sacks of cement and filled with mud to the bottom of the cellar, with a 52-foot cap of cement on top and the cellar filled.

We do not believe that this well will cause any trouble on your Rouback Wells to the north.

Very truly yours,

STATE CORPORATION COMMISSION

TRJ:ha      By      E. G. DAHLGREN, DIRECTOR  
CONSERVATION DIVISION

cc: Cities Service Oil Co.  
Production Dept.  
Wichita, Kansas

15-167-07172-0000

OCT 8 1937

September 20, 1937

Cities Service Oil Company  
Geological Department  
Wichita, Kansas

Gentlemen:

It is my understanding that your Crawford well in the NW corner of the SW $\frac{1}{4}$  of Section 2, Township 14 South, Range 15 West, Russell County, Kansas was recently completed as a dry hole with a hole full of water and left standing without the water being cemented off, which of course, if true, will be a very bad thing for our Rouback wells to the north, as the water will gradually work its way out to the surrounding wells and ruin them.

The purpose of this letter is only to find out how you did plug this well, as this is one of the very important things that we must be very careful about.

Thanking you for this information as soon as convenient, I am

Yours very truly,

HARTMAN-BLAIR, Inc.

By

H. H. Blair

*10/8/37  
J.D. talked to NYB office -  
told em job is OK.*

*30281*

HHB:NVS

October 7, 1937

Cities Service Oil Company  
Production Department  
Wichita, Kansas

Gentlemen:

On September 20th last, we wrote you regarding the manner in which you plugged your Crawford well directly offsetting our Rouback #5, your well being located in the NW $\frac{1}{4}$  Section 2-148-16W, Russell County, Kansas.

To date we have had no answer to this letter and we would be pleased to hear from you immediately; as stated in my former letter, this is very important to us for the protection of our Rouback wells to the north.

Very truly yours,

HARTMAN-BLAIR, Inc.

By   
\_\_\_\_\_

HHB:NVS

cc: Mr. Glen Herley, Russell, Kans.  
State Corporation Commission, Wichita, Kansas. ✓