

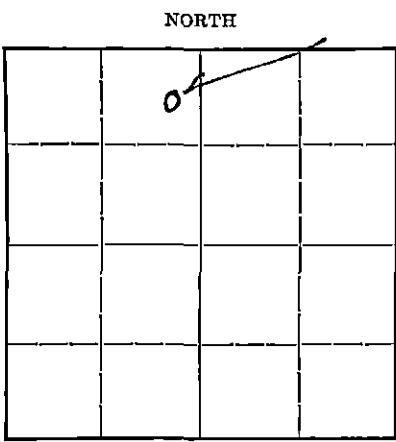
STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

15.009.00992.00.00  
WELL PLUGGING RECORD

OR  
FORMATION PLUGGING RECORD

Strike out upper line  
when reporting plug-  
ging of formations.



Barton County, Sec. 16 Twp. 20 Rge. (E) 15 (W)  
Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines C E/2 NE/4 NW/4  
Lease Owner Helmerich & Payne, Inc.  
Lease Name Unruh Well No. 1  
Office Address 415 Philtower Building, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Dry  
Date, well completed 8-7-41 19  
Application for plugging filed 8-24-41 19  
Application for plugging approved 8-24-41 19  
Plugging Commenced 8-24-41 19  
Plugging Completed 8-26-41 19  
Reason for abandonment of well or producing formation Dry hole

If a producing well is abandoned, date of last production 8-23-41 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 C. T. Alexander  
Producing formation Arbuckle Depth to top 3720 Bottom 3840 Total Depth of Well 3872 Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

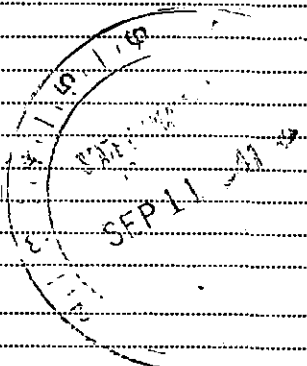
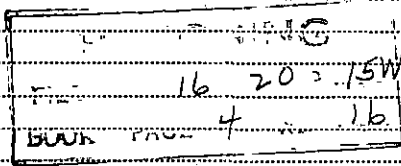
Formation	Content	From	To	Size	Put In	Pulled Out
Arbuckle	Gas-oil-water	3720	3872	8-5/8"	594	None
				5-1/2"	3724	2025

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.

Casing was set in top of Arbuckle. Drilled plug and had gas. Picked up show oil at 3782. Acidized with 3000 gallons, 5000 gallons and 3000 gallons. Well was shot with 60 quarts from 3805 to 3782. Well later drilled to 3872 and then plugged back to 3854.

On 8-13-41 a state potential showed 1,460,000 C.Ft. gas, 1.50 bbls oil and 11 bbls of water.

The well was killed by pumping in water. Cement was pumped through tubing to fill from 3840 to 3700. The hole was filled with mud to 3000 feet. The casing was shot off at 2625. As the casing was pulled the hole was mudded. The surface casing was bridged at bottom and filled with cement from 580 to 450. More mud was put in and a bridge placed at 25 ft. It was filled with cement to top of surface.



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

Correspondence regarding this well should be addressed to HELMERICH & PAYNE, INC.  
Address 415 Philtower Building, Tulsa, Oklahoma.

STATE OF OKLAHOMA, COUNTY OF TULSA, ss.

I, C. M. Copeland (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) C. M. Copeland

415 Philtower Bldg., Tulsa, Oklahoma (Address)

SUBSCRIBED AND SWORN to before me this 10th day of September, 1941.

Notary Public

My commission expires July 22, 1943.

15.009.00992.80.00

Unruh #1  
Center of East 20 Acres of N<sup>1</sup>/<sub>2</sub> of  
NW<sup>1</sup>/<sub>4</sub> of Section 16-20S-15W  
Barton County, Kansas  
Helmerich & Payne, Inc.  
And  
W. G. Jackson and F. L. Feaster

Commenced: June 18, 1941  
Completed: Aug. 7, 1941

Surface clay, shale and sand	0	225	:
Sand	225	260	
Shale and shells	260	400	
Sand	400	555	
Shale and red bed	555	655	
Shale, red - shells	655	782	
Red bed and shale	782	1037	
Anhydrite	1037	1060	
Red bed, shale and shells	1060	1245	
Shale and shells	1245	1695	
Shale streaks of lime	1695	1790	
Broken lime	1790	1830	
Broken lime and gyp	1830	1930	
Lime	1930	2070	
Shale - streaks of lime	2070	2092	
Broken lime	2092	2195	
Lime	2195	2225	
Shale and lime shells	2225	2280	
Broken lime	2280	2605	
Lime and shale	2605	2685	
Broken lime	2685	2775	
Shale	2775	2800	
Shale and lime	2800	2870	
Broken lime	2870	3020	
Lime	3020	3060	
Broken lime	3060	3140	
Lime	3140	3508	
Lime, soft	3508	3545	
Lime, hard	3545	3557	
Lime	3557	3710	
Conglomerate	3710	3725	
Arbuckle lime	3725	3789	
Lime	3789	3872	
TOTAL DEPTH	3872		

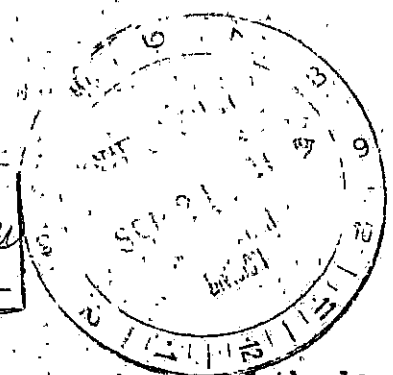
CASING RECORD

8-5/8" O. D. Surface Casing set at 594' and cemented with 300 sacks of cement.

5-1/2" O. D. Casing set at 3724' and cemented with 100 sacks of cement.

STATE OF OKLAHOMA)  
                          SS  
COUNTY OF TULSA )

INDEXING  
FILE 16 20-R15W  
BOX 4 NE-16-



I hereby affirm that the above and foregoing is a true and correct copy of the log of the Unruh well #1, located in the Center of the East 20 Acres of North Half of Northwest Quarter of Section 16, Township 20 South, Range 15 West, Barton County, Kansas.

HELMERICH & PAYNE, INC.

BY William B. Payne  
Treasurer

Subscribed and sworn to before me, a Notary Public, this 12th. day of August, 1941.

Lee Griffin  
Notary Public

My commission expires July 23, 1943.