

WELL PLUGGING RECORD

OR

FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging off formations.

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

Decatur County, Sec. 29 Twp. 1 Rge. (E) 27 (W)

Location as "NE 1/4 NW 1/4 SW 1/4" or footage from lines SE SE NE

Lease Owner Helmerich & Payne, Inc.

Lease Name Harger Well No. 1

Office Address

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

Date well completed 3-29-43

Application for plugging filed 3-29-43

Application for plugging approved 3-29-43

Plugging commenced 3-29-43

Plugging completed 3-29-43

Reason for abandonment of well or producing formation Dry hole

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 C. T. Alexander

Producing formation Depth to top Bottom Total Depth of Well 3688 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Table with 7 columns: Formation, Content, From, To, Size, Put In, Pulled Out. Rows include Conglomerate, Granite wash, and Granite.

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 hold. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Hole was filled with heavy mud to 157' of the surface and a permanent plug was placed and cemented with 15 sax of cement and mudded to 26' of the surface and cemented with 10 sax of cement to 6' of the surface and then mudded to the surface.

PLUGGING FILE SEC 29 T 1 R 27 W BOOK PAGE 68 LINE 41

STATE CORPORATION COMMISSION APR 13 1943 CONSERVATION DIVISION 4-13-1943

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

Correspondence regarding this well should be addressed to

Address

STATE OF Oklahoma, COUNTY OF Tulsa, ss.

J. 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) J. C. M. Copeland

(Address)

SUBSCRIBED AND SWORN to before me this 12th day of April, 1943

My commission expires July 22, 1943 Notary Public.



15-039-19013-00-00

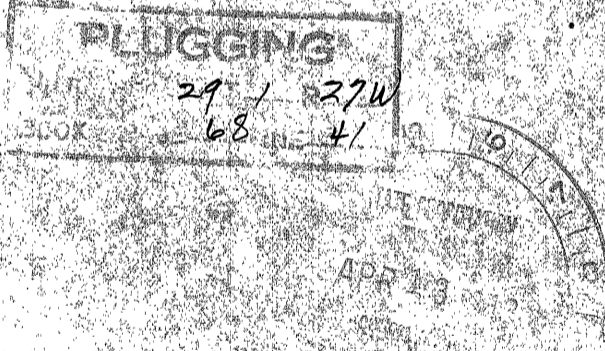
Harger #1
SE/4 NE/4 NE/4 of Section 29-15-27N
Decatur County, Kansas
Phillips Petroleum Company

Commenced: March 11, 1943
Completed: March 29, 1943

Surface clay	0	95	Shale	3505	3524
Sand and shells	95	120	Shale and streaks of lime	3524	3546
Shale and shells	120	535	Shale	3546	3581
Lime	535	565	Lime	3581	3585
Sand	565	600	Shale	3585	3602
Shale and shells	600	940	Sticky shale	3602	3603
Sand	940	1180	Shale	3603	3615
Sand with streaks of shale	1180	1430	Sandy conglomerate	3615	3618
Shale and shells	1430	1505	Conglomerate	3618	3648
Shale and lime	1505	1575	Granite wash	3648	3683
Lime shale and streaks of chert	1575	1610	Granite	3683	3688
White lime	1610	1675			
Sand	1675	1685	TOTAL DEPTH	3688	
Shale and red rock	1685	1745			
Shale and lime - little pyrite	1745	1810			
Shale and red rock	1810	1890			
Shale and red bed	1890	1962			
Anhydrite	1962	1990			
Shale and shells	1990	2080			
Shale and lime	2080	2150			
Shale	2150	2180			
Shale and lime	2180	2255			
Shale and lime shells	2255	2455			
Red and green shale	2455	2485			
Lime	2485	2524			
Shale and lime	2524	2590			
Broken lime	2590	2670			
Cherty lime	2670	2698			
Lime and shale	2698	2745			
Shale	2745	2780			
Shale and pyrite	2780	2805			
Lime	2805	2920			
Lime and shale	2920	3010			
Broken lime	3010	3087			
Soft lime	3087	3101			
Shale and lime (Top of Topeka 3135)	3101	3144			
White lime	3144	3165			
Lime and shale	3165	3270			
Shale	3270	3273			
Shale and lime (Top of K.C. 3273)	3273	3304			
Shale	3304	3315			
Lime	3315	3317			
Shale	3317	3348			
Lime	3348	3375			
Lime and shale	3375	3450			
Lime	3450	3462			
Shale and lime	3462	3483			
Lime, soft	3483	3486			
Shale and lime	3486	3505			

CASING RECORD

10-3/4" Casing set at 157' and cemented with 150 sacks of cement.



4-13-1943

STATE OF OKLAHOMA)
) ss
COUNTY OF TULSA)

I hereby affirm that the above and foregoing is a true and correct copy of the log of your Harger Well #1, located in the Southeast Quarter of the Southeast Quarter of the Northeast Quarter of Section 29, Township 1 South, Range 27 West, Decatur County, Kansas.

HELMERICH & PAYNE, INC.
By William Brooker
Treasurer

Subscribed and sworn to before me, a Notary Public, this 12th day of April, 1943.

Luci Greffen
Notary Public

My commission expires July 22nd, 1943