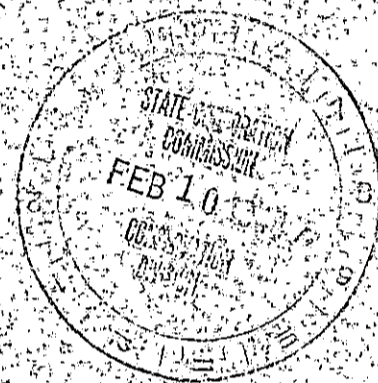


Farm: Gustafson No. 1 Location: NE SE SE
 Drilled by: J. M. Huber Corp. Sec. 11-20S-16W
 Commenced: 12-2-43 Pawnee County
 Completed: 1-23-44 Kansas
 Drilled with Rotary Tools & Cable Tools Production: D & A
 Contractor: J. M. Huber Corp.

Casing used: 708' 10-3/4" O.D.
 Cemented with 300 sacks and left in.
 3831' 5 1/2" O.D.
 Cemented with 75 sacks, pulled.

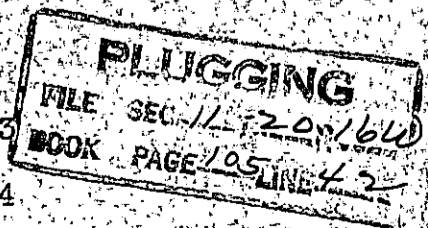
Surface soil	50
Shale & shells	180
Sand	195
Shale & shells	490
Sand & shale	655
Shale & shells	680
Red beds	765
Red bed & shells	1085
Anhydrite	1150
Shale & shells	1187
Anhydrite, lime & shells	1234
Shale & shells	1834
Shale & lime	1930
Broken lime	1987
Lime & shale	2096
Lime	2271
Shale & lime	2312
Lime	2432
Lime & shale	2488
Lime	2551
Shale & lime	2598
Broken lime	2638
Broken lime & shale	2677
Shale & lime	2696
Broken lime	2742
Lime & shale	2796
Shale & shells	2848
Broken lime	2887
Lime & shale	2898
Shale & lime shells	2953
Lime & shale	3031
Shale & lime shells	3070
Lime & shale	3265
Lime	3303
Broken lime	3382
Lime	3544
Broken lime	3572
Lime	3637
Broken lime	3679
Lime	3731
Broken lime	3770
Shale & little sand	3776
Dolomite	3834



Cored 3770-80 recovered 4 ft. of green shale with several very thin lenses of sand carrying saturation of black oil. Several pebbles of Arbuckle dolomite in bottom of core. Cored 3780-85, no recovery. Reamed core hole and drilled 3785-86. Cored 3786-91, no recovery. Drilled 3791-3834 T.D.

Completed Rotary work Jan. 2, 1944

Tops: Topeka	3125
Lansing	3475
Porous lime stone no saturation	3480-83
Porous lime stone no saturation	3505-14
Porous oolitic lime stone no saturation	3556-73
Porous lime stone no saturation	3607-14



Page 2

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Porous oolitic
 lime stone no
 saturation 3628-36
 Porous oolitic
 lime stone no
 saturation 3671-77
 Base Kansas City 3687
 Conglomerate 3748
 Simpson green shale 3756
 Simpson sandy shale 3768
 Arbuckle 3776

RUST 1944

Perforated 20 shots 3791-99, bailed 1 qt. of oil per hr. 500 acid, bailed 1 bbl. of oil per hr., no water, 1000 acid, swabbed 1/2 bbl. oil and 1/8 bbl. of water per hr. for 6 hrs. Perforated 12 shots 3791-95, swabbed 1 bbl. of oil and 1/2 bbl. of water per hr. for 4 hrs. Perforated 11 shots 3795-99, swabbed 3/4 bbl. of oil and 1/6 bbl. of water per hr. for 4 hrs. 2000 acid, swabbed 3/4 bbl. of oil and 1/6 bbl. of water per hr. for 6 hrs. Perforated 43 shots 3778-88, swabbed 3/4 bbl. of oil per hr. for 8 hrs. slight amount of water. 500 acid, swabbed 1/2 bbl. of oil per hr. for 9 hrs., slight amount of water. Drilled out cement and cleaned out to 3834 T.D. Swabbed a total of 2 bbls. of oil and 4 1/2 bbls. of acid water in 10 hrs. After continous swabbing for 48 hrs. acid water disappeared and same amount of sulphur water was swabbed. Ran Gamma-Ray Survey. Perforated 42 shots from 3798-3814, no increase. Perforated 18 shots 3765-3773, no increase. D & A 1-23-44.

STATE OF KANSAS)
) SS
 COUNTY OF SEDGWICK)

I hereby certify that the above is a true and correct copy of the log of the Gustafson No.1, located in the Northeast Southeast Southeast of Section 11, Township 20 South, Range 16 West, Pawnee County, Kansas.

E. A. Hoffmann
 Division Manager
 J. M. HUBER CORPORATION

Subscribed and sworn to before me this 21st day of February, 1944

April 29, 1947

Harold W. Hauer
 Notary Public.

PLUGGING
 FILE NO. 111-20S-16W
 BOOK PAGE 105 LINE 42

Plugging Instructions

15.145.00929.0000

How Well Shall Be Plugged

Date 1-29-27 1944Location NE SE SESec. 11 Twp. 20 Rge. 16 W.Operators J. M. Huber CorporationAddress Box 831 Borger TexasLease Gaustafson Well No. 1 County Parmer

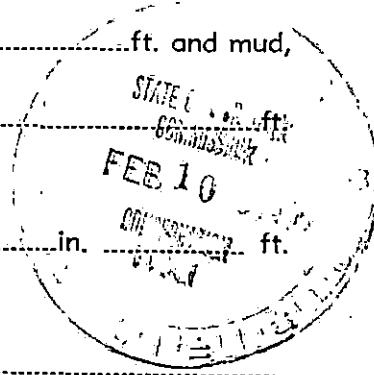
A rotary drilled dry hole that has only the surface pipe lift in the hole shall be filled by circulating every 700 ft. with heavy rotary pit mud and cement up to the bottom of the surface pipe or at approximately (50) below the fresh water, where the hole shall be bridged and cemented and then filled with extra heavy mud and cement to top of surface. 3765

The operator shall have the option as to the method of placing cement in hole: (a) dump bailer, (b) pumped through tubing, (c) pump and plug.

Total Depth 3833 ft. P. B. to _____ ft.The hole shall be filled with ~~heavy mud~~ or cement from 3833⁵ ft.to 3740 ft. and mud and bridge to 300 ft.and cement to 280 ft. and mud and bridge to20 ft. and cement to 5 ft. and mud,

and bridge to _____ ft. and cement to _____

and mud to top of surface.

Pipe in hole 10 3/4 in. _____ ft. _____ in. _____ ft. _____ in. _____ ft._____ in. _____ ft. 5 1/2 in. 3833 ft.

PLUGGING
FILE SEC. 11-20-16
BOOK PAGE 105 LINE 42

(Signed) J. T. Alexander