

WELL PLUGGING RECORD

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

Rice County, Sec. 19 Twp. 21 Rge. (E) 7 (W)

Location as "NE/CNW&SW&" or footage from lines C NE NW

Lease Owner Marvin Lawton

Lease Name Hodge Well No. 1

Office Address Box 357 Wichita, Kansas 67201

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

Date well completed 19

Application for plugging filed 2-28-74 19

Application for plugging approved 2-28-74 19

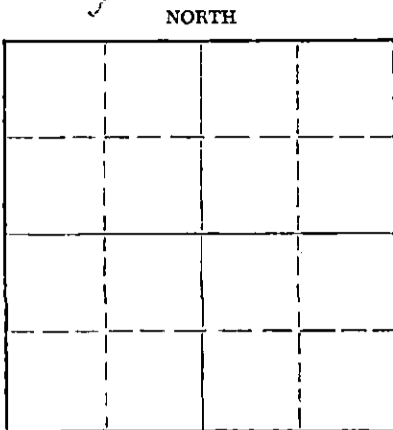
Plugging commenced 3-2-74 19

Plugging completed 3-5-74 19

Reason for abandonment of well or producing formation oil depleted

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



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Gilbert Teman

Producing formation Depth to top Bottom Total Depth of Well 3440 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. The table is currently empty.

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.

Push plug to 3250. Sand back to 3230 and 5 sax cement. Shoot at 3118; 3016, pipe pulled in two at 422'. Rock Bridge from 210 to 190, 35 sax cement, mud and 10 sax cement.

RECEIVED
STATE CORPORATION COMMISSION
MAY 18 1974
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Dunbar Drilling Inc.

Address 5252 North Broadway, Wichita, Kansas 67219

STATE OF Kansas, COUNTY OF Sedgwick, ss. W. P. Simmons

(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.

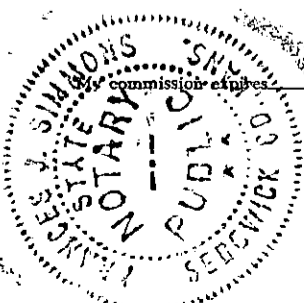
(Signature) W.P. Simmons

W. P. Simmons
5252 North Broadway, Wichita, Kansas 67219

SUBSCRIBED AND SWORN TO before me this 15th day of March, 1974

November 19, 1977

Frances J. Simmons
Notary Public.



15.159-20188-0000

No Driller's Log

DONALD HOY SMITH

PETROLEUM GEOLOGIST

5401 ~~X 500~~ PLAZA LANE
WICHITA 8, KANSAS 67208

TELEPHONE MURRAY 2-7943

IF YOU CANNOT REACH MURRAY CALL FOREST 3-1384

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STATE CORPORATION COMMISSION

February 2, 1969

FEB 28 1974

GEOLOGICAL REPORT

CONSERVATION DIVISION

Wichita, Kansas

Contractor: Wofford Drilling Co.

Commenced: Jan. 25, 1969

Completed: February 2, 1969

Woco, Inc. #1 Hodge
C NE NW Sec. 19-21S-7W
Bull Creek Field
Rice County, Kansas

Gentlemen:

Following is the geological report on the above-captioned well. Principal formation tops and notable zones were taken from the writer's Drilling Time-Sample Log. Measurements were based on the top of the Kelly Bushing.

Elevation: 1627' KB.; 1622 GL. (I&S).
Surface Pipe: 8-5/8" @ 190' with 200 sacks.
Production Pipe: 5-1/2" @ 3439' with 75 sacks.

Formation Summary

Brown Lime	2905 (-1278)
Lansing-Kansas City	2928 (-1301)
Base Kansas City	3269 (-1642)
Penn. Cherty Conglomerate	3371 (-1744)
?Mississippi	3390 (-1763)
Kinderhook Shale	3430 (-1803)
Rotary Total Depth	3440 (-1813)

Sample Descriptions

Lansing-Kansas City

3038-3043 Limestone, light gray-light buff oolitic - fair oolitic and vugular porosity, no show.

3048-3057 Limestone, buff-light gray sub-oolitic - fair oolitic to vugular porosity, much with poor permeability, no show.

3111-3113 Limestone, buff to white crystalline with some coarse oolites - fair oolitic porosity, no show.

3177-3182 Limestone, light gray to white sub-oolitic - fair oolitic to vugular porosity, no show; chert, gray to buff oolitic.

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 Rice County, Kansas

3248-3252 Limestone, light gray to buff finely crystalline sub-fossiliferous - slight traces with questionable spotted oil staining, no apparent porosity; trace chert, light gray with questionable spotted oil staining, no apparent porosity, non-commercial.

Pennsylvanian Cherty Conglomerate

3371-3376 Chert, amber and white and some light gray and orange opaque smooth to devitrified - scattered poor to fair pin point to vugular porosity and traces of light spotted oil staining; ? shale, dark gray, green and maroon.

3376-3386 Chert, amber and white opaque blocky smooth and abundant pieces devitrified to slightly tripolitic with fair to good pin point and vugular porosity, fair to good shows of partly gassy free oil and fair to good staining; ? shale as above.

3386-3390 Chert, as above with decrease in porosity, shows of free oil and staining; some chert, red to light green shaley highly weathered; shale, purple maroon; trace dark red hematite concretions.

?Mississippi

3390-3405 Chert, white and amber opaque smooth to devitrified - considerable pieces with fair to good pin point and vugular porosity and fair to good shows of gassy free oil and staining; traces of chert, dull red and green highly weathered with fair porosity, fair shows of free oil and staining; shale, hematite red soluble to hard and some maroon and green. (Shale possibly from zone 3386-3390).

3405-3410 Ditto, with possible increase in fresh chert - some fossil cast porosity with shows of free oil.

3410-3423 Chert, white and some amber to orange opaque to sub-opaque smooth sharp to partly devitrified and tripolitic - considerable scattered fair to good pin point, vugular and fossil cast porosity, fair to good shows of gassy free oil and staining, traces black dead oil staining near base; some shale as before - ? lag.

3423-3426 Chert, white, amber and traces of green opaque smooth to devitrified predominantly tight - traces of porosity and oil staining as above - ? lag; some shale as before - ? lag.

3426-3430 Chert, as above but decrease in amount; traces lime, white fine to medium crystalline slightly crinoidal and glauconitic; interbedded shale, dark greenish-gray, dark gray and some maroon and brown finely micaceous splintery to compact, some pale dull green non-micaceous.

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Kinderhook Shale

3430-3440 Shale, as above and some dark red micaceous; some chert as above - apparently lag.

Rotary Total Depth 3440

Remarks:

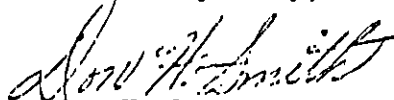
It should be noted that the writer has indicated that the Mississippi top at 3390' is a questionable top. Although it appears that this top may be correlative on drilling time with the Mississippi tops reported on time and radioactivity logs of nearby wells, no diagnostic changes were noted in samples which would definitely establish the existence of a solid, unreworked Mississippi chert section here. In fact the sections for both the Pennsylvanian Cherty Conglomerate and the ?Mississippi, as previously described, consisted principally of amber and white chert and were quite similar in character.

A possible increase in white over amber chert was logged at 3390; but also logged from this point downward was red soluble shale of the type found in conglomerate. At 3405' a possible increase in fresh chert was logged and at 3410' a possible increase in the overall amount of chert was noted. It is possible that either of the latter two depths might mark the true Mississippi top but here again no really substantial evidence to support this possibility was found.

In view of the similar character of both the Pennsylvanian Cherty Conglomerate and ?Mississippi sections the writer considers that both sections may actually belong within the former.

Following radioactivity logging of #1 Hodge it should be ascertained whether separate zones of porosity corresponding to the Conglomerate and ?Mississippi sections are present in the well. If so, it is recommended that the Mississippian section be perforated and evaluated first and the Conglomerate at a later time. In the event the log indicates only one overall Conglomerate porous section it should be evaluated, commencing in the upper portion, by perforating and testing as required.

Yours very truly,


Don H. Smith,
Petroleum Geologist