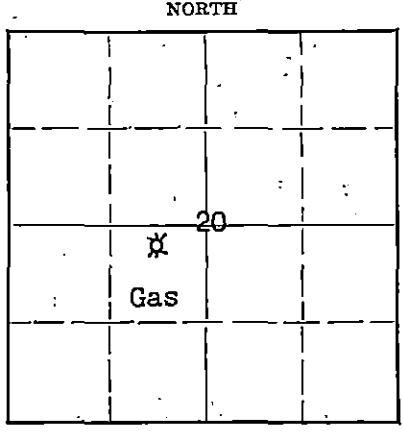


STATE OF KANSAS
STATE CORPORATION COMMISSION
Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

WELL PLUGGING RECORD

OR FORMATION PLUGGING RECORD

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



Barton County. Sec. 20 Twp. 20 Rge. 14 (E) W (W)

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

Lease Owner. National Cooperative Refinery Ass'n.

Lease Name. D. T. Smith Well No. 1

Office Address. 820 Union National Bank Building

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

Date well completed..... 1/19 19 46

Application for plugging filed..... 12/12 19 50

Application for plugging approved..... 1/24 19 51

Plugging commenced..... 1/25 19 51

Plugging completed..... 1/28 19 51

Reason for abandonment of well or producing formation..... Water gradually replaced gas.

If a producing well is abandoned; date of last production..... 12/1 19 50

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..... C. D. Stough

Producing formation..... Arbuckle Depth to top..... 359 $\frac{1}{4}$ Bottom..... 36 $\frac{1}{4}$ Total Depth of Well..... 36 $\frac{1}{4}$ 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
				87 $\frac{1}{4}$ '	8-5/8"	None
				36 $\frac{1}{4}$ '	5-1/2"	2913

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.

Ran 30' of river gravel, 5 sacks cement on bottom of hole. Filled up 36 $\frac{1}{4}$ to 3550'. Shot pipe off and pulled 2913' of 5 $\frac{1}{2}$ " casing. Loaded hole w/rotary mud to within 250' of top of hole (base of cellar). Set rock bridge at 250' and ran 15 sacks of cement. Mudded hole to within 20' of base of cellar and ran 10 sacks cement to base of cellar. Job complete.

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

Correspondence regarding this well should be addressed to..... National Cooperative Refinery Association
Address..... 820 Union National Bank Building
Wichita, Kansas

STATE OF Kansas COUNTY OF Sedgwick, ss.

James C. Hogwood (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) James C. Hogwood
820 Union National Bank Building
(Address)

SUBSCRIBED AND SWORN to before me this 5 day of March, 19 51

My commission expires February 20, 1953.

PLUGGING
FILE SEC 20 T 20 R 14 W
BOOK PAGE 50 LINE 35

22-2625 2-48-15M

RECEIVED
STATE CORPORATION COMMISSION
Notary Public.
I. A. Lange
MAR - 5 1951
CONSERVATION DIVISION
Wichita, Kansas

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
412 Union National Bk. Bldg. Wichita, Kansas

Company - BLACK-MARSHALL OIL CO.
Farm - D. T. Smith No. 1.

SEC. 20 T. 20 R. 14 W
CN 1/2 NW SW

Total Depth. 3644
Comm. 10-21-45 Comp. 11-2-45
Shot or Treated.
Contractor. Ferrell-Young Drlg. Co.
Issued. 12-8-45

County. Barton
KANSAS



CASING:
8 5/8" 860' Cem.
5 1/2" 3644' Cem.

Elevation. 1904

Production. 2,500,000 cu. ft. Gas

Figures Indicate Bottom of Formations.

cellar	10
sand	85
shale & shells	315
sand	395
shale	430
sand & shale	575
red bed & shale	855
anhydrite	885
red bed, shale & shells	1310
red bed & shale	1370
salt & shale	1650
shale & lime shells	1695
lime	1780
shale & shells	1910
lime brkn	2055
lime	2085
shale & shells	2805
lime & shale	3045
lime	3090
lime & shale	3205
shale	3310
lime brkn	3415
chert	3429
lime	3566
shale	3594
lime	3608
Arbuckle	3615
dolomite	3644
Total Depth	

3644
1904
- 1740

3594
1904
- 1690

Drilled to 3644'
5 1/2" Cemented at 3644'
Drill stem test. 3598 to 3608'.
750,000 cu. ft. of Gas - No Oil.

Perforated: 12 Shots - 3594' to 3598'.
Squeezed Cement w/c show of water.

Perforated: 12 Shots - 3599' to 3603'.
1,000,000 cu. ft. of Gas.

Perforated: 12 Shots - 3601 to 3602.
10,500,000 cu. ft. of Gas.
No Acid indicated.

Tops:

Anhydrite	855
White Lansing	3315
Base Kans. City	3540
Reworked Simpson	3558
Arbuckle	3594

3599
1904
- 1695

3603 RECEIVED
1904 STATE CORPORATION COMMISSION
- 1699
DEC 21 1950
CONSERVATION DIVISION
Wichita, Kansas

PLUGGING
FILE SEC 20 T 20 R 14 W
BOOK PAGE 50 LINE 35