

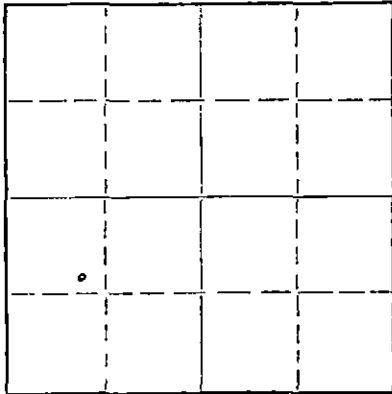
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

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

WELL PLUGGING RECORD

NORTH



Locate well correctly on above
Section Plat

Stafford County, Sec. 16 Twp. 23S Rge. (E) 14 (W)

Location as "NE/CNW%SW%" or footage from lines SE NW SW

Lease Owner The Bovaird Supply Company

Lease Name Crissman Well No. 4

Office Address P.O. Box 2590, Tulsa, Oklahoma

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

Date well completed 19

Application for plugging filed April 18 19 67

Application for plugging approved 19

Plugging commenced April 22 19 67

Plugging completed May 8 19 67

Reason for abandonment of well or producing formation 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

Name of Conservation Agent who supervised plugging of this well Archie Elving

Producing formation Depth to top Bottom Total Depth of Well 4026 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
		0	220'	10 3/4"	220'	none
		0	4025'	7"	4025'	2441.85

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.

Pushed plug to 3650', set 10' rock bridge and dumped 6 sacks of cement at 3640'.

Set plug at 210' in 10 3/4" surface pipe. Set 10' rock bridge. Pumped 25 sacks of cement through 175' of 2" line pipe. Bail hole down to 30', set wood and rock bridge and cap hole with 10 sacks of cement.

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MAY 18 1967

5-18-67

CONSERVATION DIVISION

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

Name of Plugging Contractor Pipe Pullers, Inc. Wichita, Kansas

Address Box 486, Ellinwood, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.

Dean Wells

(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)

Ellinwood, Kansas

(Address)

SUBSCRIBED AND SWORN TO before me this 8th day of May, 19 67

My commission expires July 7, 1968

Notary Public.

15-185.12963.0000

DRILLER'S LOG

COMPANY: Natural Gas and Oil Corporation
Cooperative Refinery Association

CONTRACTOR: Drilling Department-Natural Gas & Oil Corp

FARM: Crissman #4, SE NW SW Section 16-23S-14W
Stafford County, Kansas

COMMENCED: July 7, 1953 - Rotary
July 26, 1953- Cardwell

COMPLETED: July 23, 1953 - Rotary
July 30, 1953 - Cardwell

ELEVATION: 1963 RB

0	to	90	Sand
90	to	150	Sand and Shale
150	to	215	Shale
215	to	325	Shale and shells
325	to	385	Sand
385	to	510	Shale and shells
510	to	838	Red bed and shells
838	to	863	Anhydrite
863	to	1495	Shale and shells
1495	to	1990	Lime and shale
1990	to	2060	Lime
2060	to	3005	Lime and shale
3005	to	3070	Shale
3070	to	3445	Lime and shale
3445	to	3529	Shale
3529	to	3542	Brown lime
3542	to	3795	Lime
3795	to	3855	Lime and shale
3855	to	3900	Conglomerate and chert
3900	to	3960	Viola
3960	to	3992	Shale
3992	to	4000	Shale and sand
4000	to	4016	Shale
4016	to	4026	Arbuckle
		4026	T. D. (RB)

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CONSERVATION DIVISION
Wichita, Kansas

Set 215 feet of 10 3/4" 34# Surface pipe. Cemented with 225 sacks cement and 4 sacks calcium chloride

Set 7" casing at 4025. Cemented with 250 sacks cement.

TOPS:	Anhydrite	838	Lansing	3542	Simpson	3956
	Heebner	3397	Base K C	3774	Arbuckle	4016
	Brown Lime	3529	Viola	3905		

DRILL STEM TESTS:

- ✓ #1 3603-3630, flowed, fair blow throughout, rec. 90' oil specked watery mud, BHP 1240#.
- ✓ #2 3663-72, open 1 hr, gas in 32 min, rec. 180' froggy oil, IFP 25#, FFP 60#, BHP 1060#.
- ✓ #3 3691-3717, gas in 5 min, open 17 min, gauged 1,140,000 CFG, 150' Gas cut mud, IFP and FFP 270#, BHP 470#.
- ✓ #4 3735-41, op 1 hr, gas in 9 min, rec 145' oil cut gassy mud, 195' mud cut gassy oil, 45' salt water, IFP 90#, FFP 150#, BHP 240#.
- ✓ #5 3983-4000, open 1 hr, rec. 45' very slightly oil and gas cut mud, 0# BHP.
- ✓ #6-4018-26, op 1 hr, 2600' sulphur water, good blow for 20 min, IFP 240#, FFP 1200#, BHP 1320#.

Schlumberger ran

Perforated 96 shot 3723-36, show oil 3732-36, re-
perforated 24 shot 3732-36, 500 GA on vacuum, swabbed
22 BPPH, for 2 hours, 50% water. PB to 3700.
Perforated 48 shot 3663-70, 1000 GA, flowed 73
BO 1st hour.

7/30/53 Filed 25 BOPD Temporary Productivity affidavit

C E R T I F I C A T E

I, Claud Sheats, do hereby certify that the above
and foregoing is a true and correct copy of the log
of the Crissman #4, SE NW SW Section 16-238-14W,
Stafford County, Kansas, as reflected by files of
the Natural Gas and Oil Corporation.

Claud Sheats

Claud Sheats

Subscribed and sworn to before me, a Notary Public,
within and for Sedgwick County, Kansas this 1st day
of August, 1953.

Esther Unsell

Esther Unsell, Notary Public

My commission expires May 25, 1957.

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THE CONSERVATION COMMISSION

JAN 11 1967

CONSERVATION DIVISION
Wichita, Kansas