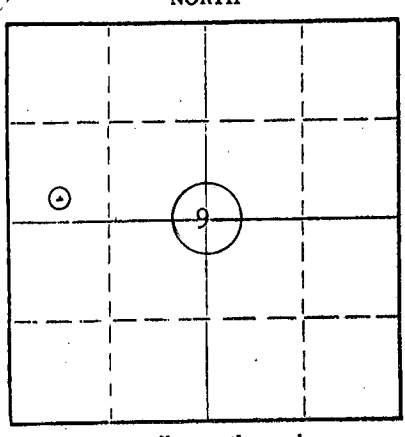


STATE OF KANSAS
STATE CORPORATION COMMISSION

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 67202

WELL PLUGGING RECORD



Graham County, Sec. 4 Twp. 9S Rge. (E)23 (W)
Location as "NE/CNW/SW" or footage from lines C S/2 SW/NE
Lease Owner Cities Service Oil Company
Lease Name McPherson "A" Well No. 3
Office Address Box 553 Russell, Kansas 67665
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed 4-15 1956
Application for plugging filed 12-19 1969
Application for plugging approved 12-22 1969
Plugging commenced 2-2- 1970
Plugging completed 2-13 1970
Reason for abandonment of well or producing formation Non-economical
If a producing well is abandoned, date of last production Dec. 1965
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 Mr. W. L. Nichols
Producing formation L-KC Depth to top 3585' Bottom 3764' Total Depth of Well 3764' 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
				8 5/8"	203'	None
				5 1/2"	3764'	2897'

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.

Dumped 5 sx. cement on bottom, pushed wooden plug to 3600', filled with sand 3600 to 3550'. Shot casing off at 2900' and pulled 92 Joints (2897') of 5 1/2" casing. Dumped in 5 sx. hulls, 16 sx. gel, 100 sx. 50/50 Pozmix cement, 11 sx. gel, 25 sx. cement, 3 sx. gel, and 10 sx. cement filling hole to surface. Cut off 8 5/8" casing and welded on cap.

Plugging complete

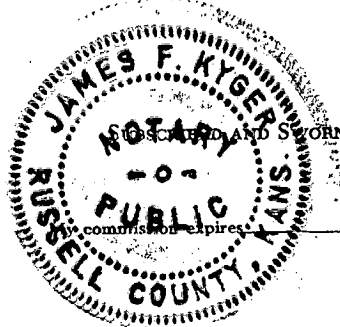
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MAR 18 1970
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Knigh-Casing-Pulling-Co., Inc.
Address Chase, Kansas

STATE OF Kansas, COUNTY OF Russell, ss.
E. W. Peterman (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) E. W. Peterman
Box 553 Russell, Kansas
(Address)



Subscribed and sworn to before me this 17th day of March, 1970

James F. Kyger
Notary Public.

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 Wichita, Kansas

GEOLOGICAL REPORT

Company: Imperial Oil of Kansas, Inc. CS $\frac{1}{2}$ SW (NE) Sec. 4-9S-23W
 Farm: McPherson No. 3 Graham County, Kansas
 Contractor: Harms-Burt Drilling Co. Elevation: 2255' R.B.
 Pool: Brush Creek Rotary Total Depth: ~~3674'~~
 3764'

Rotary Completed: 4-15-56

Geological Data:

Samples were examined from 3400' to Rotary Total Depth.

Formation Tops

Anhydrite	1895'	{	1360	}
Heebner	3539'	{	-1284	}
Toronto	3563'	{	-1325	1308'
Lansing	3580'	{	-1509	1325'

Porosity and shows of oil.

- Toronto 3563' (-1308)
 3563-70 Cream to light tan finely crystalline fossiliferous very cherty limestone. No oil show. Poor porosity, no value.
- Lansing 3580' (-1325)
 3580-3600 (0-20' penetration) White and cream dense slightly chalky limestone. No oil show. Poor porosity, no value.
- 3613-16. (35' zone) Cream to gray finely crystalline slightly fossiliferous cherty limestone. Fair spotty show free oil, fair fossiliferous porosity. Zone judged to be water bearing; however it should be carefully checked on the Halliburton Log.
- 3623-26 (50' zone) White to cream dense limestone. Trace fossiliferous porosity with fair to good show free oil. Spotty stain. Mostly poor porosity. Zone should be further tested.
- (70' zone) No development.
- 3656-61 (90' zone) Cream finely crystalline oolitic and oocastic cherty limestone. Trace very spotty show free oil. Poor stain. Poor inter-crystalline and oocastic porosity. No value.
- 3666-3699 (100' zone) White dense limestone. No oil show. Very poor porosity. No value.

3712-17 (140' zone) Tan to brown finely crystalline slightly dolomitic fossiliferous limestone. Good spotty show free oil. Good stain, fir visible porosity.

D.S.T.#1 3704-24 Open 1 hour, recovered 960' water. Trace of oil. F.P. 30# - 375# BHP 700#.

3732-34 (160' zone) Gray dense slightly fossiliferous limestone. Trace gilsonite. No free oil, poor porosity, no value.

3745-51 (180' zone) White to tan dense slightly fossiliferous vuggy limestone. Fair spotty show free oil. Fair to poor porosity.

D.S.T.#2 3736-62 Open 1 hour, recovered 1860' gas, 275' oil. BHP 840#.

5½" casing cemented at 3764' on 4-15-56.

IMPERIAL OIL OF KANSAS, INC.

By: Don D. Strong *exp.*
Don D. Strong, Geologist
Orlin R. Phelps, Geologist

lmd

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CONSERVATION DIVISION
Wichita, Kansas

IMPERIAL OIL AND CHEMICALS, INC.
Well Completion Report

McPherson Lease. Well No. 3
Loc. CS $\frac{1}{2}$ SW NE Sec. 4 Twp. 9S Rge. 23W
County Graham State Kansas
Pool Brush Creek

Spud Date 4-7-56
Rotary Completed 4-16-56
Completion Date 4-27-56
Potential 36 BOPD
Gravity 40.9
R. T. D. 3764

Surface casing set at (8 5/8) 203 with 125 sacks
Production casing set at (5 1/2) 3764 with 125 Sacks

Formation Tops: 2255 RB
Elevation:

Formation	Sample	Electric Log	Produced To
Anhydrite	1895 (+360)	Yes	Jan. 1957 5,172
Heebner	3539 (-1284)		Jan. 1958
Toronto	3563 (-1325)		Jan. 1959
Lansing	3580 (-1509) - 1325		Jan. 1960
			Jan. 1961
			Jan. 1962
			Jan. 1963
			Jan. 1964
			Jan. 1965
			Jan. 1966
			Jan. 1967

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Wichita, Kansas

PRODUCING AND PROSPECTIVE PRODUCING ZONES

Formation	Depth	Feet	Remarks	Estimated Reserves
Lansing				
180'Z	P. 3747-50	7	Open	17,920
	Tested 200' zone in open hole		Water.	

3768
2255
1513

*DU @ 1865
used 100 BBL Black M-91C*

Completion Date: 4-23-56
Moved in; rigged up. Swabbed down. Drilled staging collar + 27' cement.

6-8-56
Treated with 3000 gal. Jel-B. Highest pressure 1300#. Feeding pressure 1150#.

TO
4-24-56
Drilled shoe at 3764. Drilled formation from 3764-71. Well making 11 bbls. of salt water from this depth. Dumped 2 sacks of cement on bottom and set Halliburton plug at 3755. Perf. 18 holes using bullets from 3747-50 after running Halliburton log.

4-25-56
Well making 2 gal. of water per hr. + 1/2 Gal. of oil per hr. Acidized with 500 gal. of Jel-W. Highest pressure used was 200# to 150#. Swab test after acid showed 1.87 BOPH

4-26-56
16 hr. swab test off bottom, well making .75 BOPH. Reacidizing with 1000 gal. of J-type acid. Well treated on a vacuum. 8 hr. swab test showed well making 2 BOPH after acid.

4-27-56
Ran tubing and rods. Moved cat.