

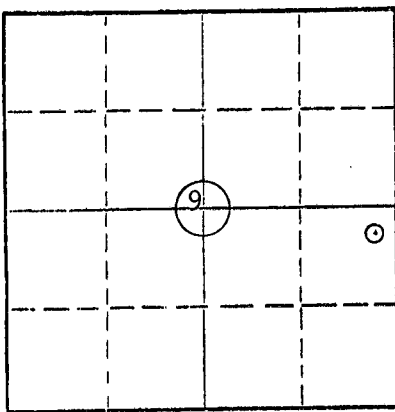
STATE OF KANSAS
STATE CORPORATION COMMISSION

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 NE NE SE
Lease Owner Cities Service Oil Company
Lease Name McPherson "A" Well No. 9
Office Address Box 553 Russell, Kansas 67665
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole - SWD
Date well completed 8-9 19 50
Application for plugging filed 12-19 19 69
Application for plugging approved 12-22 19 69
Plugging commenced 2-6 19 70
Plugging completed 2-13 19 70
Reason for abandonment of well or producing formation Brush Creek L-KC Unit
Waterflood commenced, SWD no longer needed.
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 Mr. W. L. Nichols
Producing formation Arbuckle Depth to top 4182' Bottom 4095' Total Depth of Well 4095 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"	255'	None
				5 1/2"	4220'	149'

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.

Spotted 20 sx. cement on perforations, shot 5 1/2" casing off at 164' and pulled 5 joints (149'). Dumped in 5 sx. hulls, 100 sx. 50/50 Pozmix Cement W/6% gel, filling hole to 160', 3 sx. gel, filling to 40' and 15 Sx. cement filling to surface. Cut off 8 5/8" casing and waded on cap.

Plugging complete

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

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

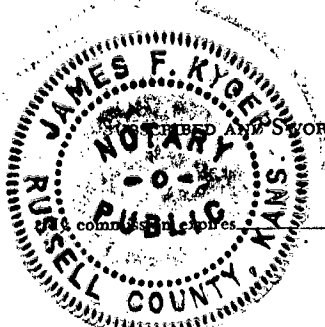
STATE OF Kansas, COUNTY OF Russell, ss.
E. W. Peterman (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) *E. W. Peterman*
Box 553 Russell, Kansas 67665
(Address)

SWORN to before me this 17th day of March, 19 70

James F. Kyger
Notary Public.

10-5-72



IMPERIAL OIL COMPANY OF KANSAS, INC.
Well Completion Report

McPherson Lease. Well No. SWD
 Loc. NE NE SE Sec. 4 Twp. 9S Rge. 23W
 County Graham State Kansas
 Pool Brush Creek

Spud Date 2-3-58
 Rotary Completed 2-5-58
 Completion Date 2-17-58
 Potential
 Gravity
 R. T. D. 4250

Surface casing set at _____ with _____ sacks
 Production casing set at (5 1/2) 4220 with 250 Bottom stage sacks
450 Anhydrite stage sacks

Formation Tops: 2248 KB
 Elevation: _____

Sample _____ Electric Log _____

Heebner	3529	(-1281)	
Toronto	3554	(-1314)	
Lansing	3571	(-1331)	
Base Kansas City	3781	(-1541)	
Mississippi	4043	(-1803)	4042 (-1802)
Viola	4067	(-1827)	4067 (-1827)
Arbuckle			4182 (-1942)

PRODUCING AND PROSPECTIVE PRODUCING ZONES

Formation	Depth	Feet	Remarks	Estimated Reserves
Lansing				
	140' Z		Perf. 3704-10	No value
	200' Z		Perf. 3758-61	No value

Completed as a salt water disposal well
 No other zones worthy of testing.

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Completion Date: 2-11-58

Moved in Franks #2; rigged up. Cleaned out to top of staging collar.

2-12-58

Drilled staging collar. Cleaned out to top of float. Drilled float 30' cement. Put 2000' of fluid in hole. Drilled shoe. Cleaned out to TD 4250.

2-13-58

5 hr. swab test 2850' off bottom 50 BWP. 2 hr. input test after hole was loaded 50 BFP. Logged well to TD 4242. Set Halliburton plug 3815. Perforated 200' zone with 12 Jets 3758-61. Show of oil on gun.

2-14-58

Washed formation up with acid. Good rainbow. Treated with 500 gal. Gel-W. Had 200 gal. displaced before hitting pressure. Input 10 gal. per min. Pressure drop 500# to 0# in 5 min. Let set 5 hrs.

2-15-58

Swabbed load back. 8 hr. swab test 5 GW + 3 GOPH Perforated 140' zone with 24 Bullets + 36 Jets 3704-10. Treated with 500 gal. J-type. Highest pressure 250#. Input 5 gal. per min. Pressure drop 250# to 150# in 1 min.

2-16-58

8 hr. swab test 3/4 BOPH. Retreated with 5000 gal. J-type. Highest pressure 500#. Input 4 bbl. per min. Pressure drop from 500# to 425# in 5 min. Swabbed hole down.

2-17-58

12 hr. swab test 3/4 BFP 50% wtr. Plugged back with rock to 3743. Dumped 2 sacks cement on top of rock. Input test on 140' zone 8 BFP. Tore down; moved out.

*6 - 5' as 5' p
 water meter headed up*

IMPERIAL OIL OF KANSAS, INC.
Well Completion Report

McPherson Lease. Well No. SWD County Graham State Kansas
Loc. NE NE SE Sec. 4 Twp. 9S Rge. 23W Pool Brush Creek

4-28-59

Moved in Franks #1. Ran Tracer survey. Survey indicated 140' zone was channeled.

4-29-59

Cleaned parafin from casing. Drilled out cement and rock bridge at 3766.

4-30-59

Cleaned out crushed rock to 3766. Ran tubing with Baker packer to squeeze. Started to squeeze could not get annulus to hold pressure indicating hole in casing.

5-1-59

Pulled tubing and packer. Pumped test plug. Found several holes in casing between 1845-1875. Set Bridge plug at 3450. Ran tubing with Baker packer and squeezed Dakota with 100 sacks HA-5 and 100 sacks common. Obtained SP 2000#. Displaced 100 sacks HA-5 and 60 sacks common. WOC.

5-2-59

Drilled out cement from Dakota squeeze. Dry tested for 4 hrs. Held OK. Drilled out bridge plug at 3400. Wtr. filled up to within 500' of surface.

5-3-59

Ran tubing with Baker packer set between 140' & 200' zone perf. to test for communication. Zones were communicated. Set packer at 3695. Squeezed with 100 sacks common. Displaced 80 sacks with SP 2500#. Pulled tubing and packer. Before getting out of hole with packer well commenced flowing salt wtr.

5-4-59

Wtr. analysis inconclusive. Ran tubing with Baker full bore packer set below Dakota squeeze. Test indicated Dakota not leaking. Tested 140'-200' zone. Test indicated zones leaking.

5-5-59

Set packer at 3690. Re-squeezed with 100 sacks common. Displaced 100 sacks. After staging cement obtained SP 3500#. Pulled tubing and packer.

Drilling cement.

Drilled cement. Cleaned out to TD 3734. Perf. 140' zone 3704-10 w/8 Jets per ft. Ran tubing with Imperial Model "A" tension packer set at 3690. Loaded hole with wtr. Unable to pump into 140' zone. Acidized with 3000 gal. reg. Spotted acid on formation. MP 800#. Took input test 60 BFPH @ 750#. 12 BFPH @ 500#. Loaded annulus with 69 Bbl. oil. Set packer at 3660. Tore down moved out.

2-5-66

Pulled 121 JTS 2" eve 8'cd. tubing. & Baker Model A 5 1/2" packer. 2 ft of tubing had holes in middle of ft.

2-17-66

Ran SLM to 3700' found fluid at 1400'

ARB X K H

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5-8-59 CONSERVATION DIVISION
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December 3, 1957

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DEC 22 1969

CONSERVATION DIVISION
Wichita, Kansas

Mr. Marvin Mullinix
General Field Office
WaKeeney, Kansas

Subject: Cook and Galloway Drilling Company
No. 1 McPherson NE NE SE Section 4-9S-23W

I have examined the well cuttings of said well and submit the following report.

Formation Tops

Heebner	3529	(-1281)
Toronto	3554	(-1314)
Lansing	3571	(-1331)
Base Kansas City	3781	(-1541)
Mississippi	4043	(-1803)
Viola	4067	(-1827)
T.D.	4095	

- 3571-94 (Top Zone) The upper portion is a white, fine crystalline, dense oolitic fossiliferous limestone. The lower portion is a fine crystalline dense to lithographic fossiliferous limestone. The entire top zone was void of oil shows and had poor porosity.
- 3603-07 (35' Zone) Cream fine crystalline dense fossiliferous slightly cherty limestone. There is slight spotty staining with fair fossiliferous porosity. This is judged to be water bearing.
- 3610-38 (50' Zone) Cream fine crystalline dense fossiliferous limestone. Poor porosity. No oil show.
- 3645-56 (90' Zone) White fine crystalline dense fossiliferous limestone. Trace of staining. Poor porosity.
- D.S.T. #1 3645-52 Open 1 hour, recovered 110' slightly oil cut muddy water. BHP 540#.
- 3662-95 (100' Zone) White to cream fine crystalline dense fossiliferous limestone. Poor porosity. No oil show.
- 3700-20 (140' Zone) Cream dense fossiliferous limestone. Very scattered light staining with trace of fair coarse fossiliferous porosity.
- 3722-28 (160' Zone) Cream dense limestone. Poor porosity. No oil show.
- 3736-49 (180' Zone) Cream dense limestone. Trace of black oil residue. No free oil staining. Fair to poor porosity.
- 3755-66 (200' Zone) Cream fine crystalline slightly oolitic limestone. Scattered dark staining. Possibly some free oil staining. Spotty fair oolitic porosity.

Mr. Marvin Mullinix

-2-

McPherson No. 1

- 3770-81 (220' Zone) Cream fine crystalline, slightly fossiliferous limestone. Poor porosity. No oil show.
- 4043-60 (Mississippi Limestone) Tan coarse to medium crystalline, large colitic limestone. No oil show. Poor porosity.
- 4067-95 (Viola) Gray fine to medium crystalline dolomite. No oil show. Fair to vugular porosity.

I find that this test was completed at a depth of 4095 (27' Penetration in the Viola) and not in the Arbuckle as previously reported.

For the purpose of a salt water disposal well, I would suggest that an additional 100' of the new hole be made before pipe was run so that better porosity in the Arbuckle would be encountered.

Dry and Abandoned August 9, 1950

IMPERIAL OIL OF KANSAS, INC.

Burton W. Schmidt

Burton W. Schmidt
Geologist

OK How N. Strong

BWS:pcs

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