

15-147-30096-00-00

STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
P. O. BOX 17027
Wichita, Kansas 67217

Rev. 3-15-72
FORM CP-1

WELL PLUGGING APPLICATION FORM
File One Copy

RECEIVED
STATE CORPORATION COMMISSION
SEP 27 1972
09-27-1972
CONSERVATION DIVISION
Wichita, Kansas

Lease Owner T. W. Jackson

Address Phillipsburg, Kansas

Lease (Farm Name) Elsie Well No. #2

Well Location C E/2 SE/4 SW/4 Sec. 20 Twp. 4 Rge. 18 (E) (W) X

County Phillips Total Depth 3370' Field Name

Oil Well X Gas Well Input Well SWD Well Rotary D & A

Well Log filed with application as required Yes

Date and hour plugging is desired to begin At once

PLUGGING OF THIS WELL WILL BE DONE IN ACCORDANCE WITH K.S.A. 55-128 OF THE RULES AND REGULATIONS OF THE STATE CORPORATION COMMISSION.

Name of company representative authorized to be in charge of plugging operations:

E. J. Miller Address Stuttgart, Kansas 67670

Plugging Contractor Southwest Casing Pulling Co. License No. 399

Address Box 364 Great Bend, Kansas

Invoice covering assessment for plugging this well should be sent to:

Name T. W. Jackson

Address Phillipsburg, Kansas

and payment will be guaranteed by applicant or acting agent.

Signed: Sidney D. Miller
Applicant or Acting Agent

Date: Sept. 26, 1972

Wyman M. Warren
Petroleum Geologist

501 Insurance ~~CENTRAL~~ BUILDING
WICHITA, KANSAS

15-147-30096-00-00

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STATE CORPORATION COMMISSION

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CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL REPORT

T. W. JACKSON #2 ELSIE

C/ E/2 SE/4 SW/4 of Section 20-48-18N

Phillips County, Kansas

Wyman M. Warren
Petroleum Geologist

501 Insurance ~~RENTAL~~ BUILDING
WICHITA, KANSAS

15-147-30096-00-00

September 13, 1965

RECEIVED
STATE CORPORATION COMMISSION

SEP 27 1972

CONSERVATION DIVISION
Wichita, Kansas

Re: Geological Report -
T. W. Jackson #2 Elsie
C/E/2 SE/4 SW/4 of
Section 20-4S-18W
Phillips County, Kansas

Mr. T. W. Jackson
Phillipsburg, Kansas

Dear Mr. Jackson:

The following is a geological report of the above captioned well. All datums were figured from an estimated elevation of 1910 feet above sea level. Samples were evaluated from 2800 feet to rotary total depth and drilling was supervised from a depth of 2910 feet.

Formation and Electric Log Tops

	<u>Samples</u>	<u>Electric Log</u>
Anhydrite	1435 (+475)	1428 (+ 482)
Topeka Limestone	2860 (- 950)	2858 (- 948)
Heebner Shale	3062 (-1152)	3060 (-1150)
Toronto Limestone	3088 (-1178)	3084 (-1174)
Lansing-Kansas City Limestone	3101 (-1191)	3099 (-1189)
Base Kansas City	3334 (-1424)	3333 (-1423)
Rotary Total Depth	3370 (-1460)	3368 (-1458)

Several zones of porosity were noted in the Topeka Limestone but only one carried oil shows. It, however, was believed to be non-commercial judging from the samples and electric log.

3020-3025 Gray to tan dense fine crystalline limestone; slightly scattered pin point and vugular porosity; slight scattered oil stain; trace free oil; no odor.

The following are descriptions of the various zones in the Kansas City Limestone together with the electric log computations as to the porosity and water saturation. All depths are referenced to the electric log.

"A" ZONE

3099-3105

Gray dense fine crystalline, slightly cherty limestone; scattered fossil cast porosity with slight oil stain; free oil; slight odor. 9% porosity - 45% water saturation.

"C" ZONE

3140-3145

Gray dense fine crystalline slightly cherty limestone; scattered pin point and fracture porosity; very light oil stain. 5-8% porosity - 52% water saturation.

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WICHITA, KANSAS

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Geological Report - Jackson #2 Elsie - Page 2

"D" ZONE

3159-3165

Gray dense fine crystalline limestone; very slight scattered pin point porosity with slight stain. 7-9% porosity - 50% water saturation.

Zones "C" and "D" were tested by drill stem test #1 and were indicated to be a probable commercial oil reservoir:

DST #1

3139-3187

Good blow throughout test. Tool open one hour. Recovered 2' free oil; 120' slightly oil cut mud; 30' watery mud. IBHP 1184#; FBHP 1105#; IFP 15#; FFP 85#.

"C" ZONE

3177-3182

10% porosity - 45% water saturation.

3187-3190

4% porosity - 50% water saturation.

3198-3205

9% porosity - 45% water saturation.

This was not a continuous zone but should be treated as a single zone when being completed. It was a cream to gray dense fine crystalline limestone with fair pin point and fossiliferous porosity; fair oil stain and saturation; free oil and good odor.

Zone "C" was tested by drill stem test #2 and was indicated to be a probable commercial oil reservoir:

DST #2

3187-3210

Good blow throughout test. Tool open one hour. Recovered 70' heavy oil and gas cut mud and 120' slightly oil and gas cut mud. IBHP 1325#; FBHP 1160#; IFP 50#; FFP 120#.

"I" ZONE

3255-3258

Gray to cream dense fine crystalline slightly fossiliferous limestone; scattered to fair intercrystalline porosity; fair oil stain; some scattered and free oil; slight odor. 7% porosity - 48% water saturation.

"J" ZONE

3275-3280

Gray dense fine crystalline limestone; slight fracture, vugular and pin point porosity; slight scattered oil stain; trace free oil. 7% porosity - 49% water saturation.

"K" ZONE

3300-3305

White chalky limestone. No shows. 4% porosity.

"L" ZONE

3313-3315

Gray dense slightly chalky limestone; scattered vugular and

3323-3328

pin point porosity; shaley in part. 11-15% porosity - 48-65% water saturation.

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Geological Report - Jackson #2 Elsie - Page 3

Structurally on top of the Lansing-Kansas City Limestone the #2 Elsie was fifteen (15) feet lower than the #1 Elsie, approximately 700 feet to the east. It was, however, higher than nine of the other producers in the field. The results of the two drill stem tests taken, while not completely conclusive, did indicate the probability of commercial production. It is therefore recommended that pipe be set on bottom and further testing be done through perforations.

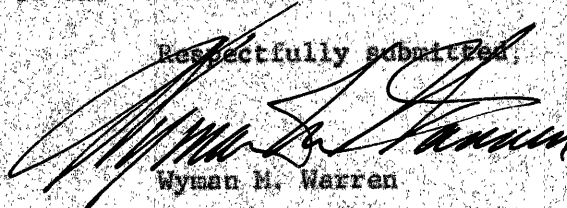
Completion Recommendations

The following zones should be perforated and tested:

ZONE "A"	3099-3105
ZONE "C"	3140-3145
ZONE "C"	3177-3182
	3187-3190
	3198-3205
ZONE "I"	3255-3258
ZONE "J"	3275-3280

The "I" and "J" zones should probably be treated first together and then the remaining zones can be taken in the second treatment. 750 to 1000 gallons of acid should be used for each zone. Mud clean up acid should be used prior to the final acid treatment. This should prevent a "blocking" of the formation face.

Respectfully submitted,



Wyman M. Warren

WWW/lw

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Petroleum Geologist

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WICHITA, KANSAS

Drilling Time Log - Jackson #2 Elsie - Page 1

From To	Drilling Time	Remarks
2800-2810	1-1-1-1-1-1-1-2-2	
2820	3-2-3-3-4-2-2-3-2-2	
2830	2-3-3-2-3-2-2-1-2-2	
2840	3-2-3-4-3-3-3-2-2-2	
2850	2-2-3-1-2-2-2-2-3-1	
2860	1-1-1-1-1-1-1-1-2-3	
2870	5-3-4-2-3-3-4-2-3-4	
2880	3-3-3-3-2-2-4-4-3-3	
2890	2-3-4-4-3-4-3-3-4-4	
2900	3-3-4-4-5-4-5-4-4-3	
2900-2910	4-4-2-3-3-2-2-2-2-3	
2920	2-3-4-2-4-3-3-3-4-4	
2930	4-4-4-4-5-3-4-5-5-5	
2940	4-4-5-5-6-4-3-4-3-5	
2950	5-4-4-5-6-5-5-6-7-4	
2960	3-3-3-2-3-4-3-2-2-2	
2970	1-1-1-1-1-1-1-1-1-1	
2980	2-1-1-1-2-2-2-3-3-2	
2990	3-4-4-4-4-4-5-5-5-5	
3000	4-5-5-6-7-6-8-7-2-4	
3000-3010	2-4-4-4-5-5-6-5-5-6	
3020	4-5-4-4-7-7-4-4-6-3	
3030	3-2-2-3-5-4-6-4-5-6	Cir. 3025 1/2 hr and 1 hr for samples.
3040	6-5-6-6-4-2-1-1-1-1/2	
3050	1-1-1-1-1-1-1-1-3-6	
3060	5-3-5-4-5-6-6-3-5-7	
3070	3-4-2-1-2-2-3-4-5-3	
3080	4-4-4-4-3-3-4-3-4-2	
3090	3-3-4-4-4-4-3-5-4-4	
3100	5-3-2-5-6-4-6-4-4-3	
3100-3110	5-6-5-5-5-3-3-5-5-5	Cir. 1 1/2 hrs for samples. (3108)
3120	5-6-6-4-5-5-6-6-6-6	
3130	5-5-2-2-7-7-6-4-5-5	
3140	5-3-3-5-4-3-3-4-4-5	
3150	3-4-4-5-5-4-6-7-6-6	Cir. 1/2 hr and 1 hr for samples 3147.
3160	5-6-4-3-4-4-3-4-4-5	
3170	4-5-6-6-6-3-3-4-9-6	Cir. 1/2 hr 3162.
3180	6-8-6-5-4-7-8-5-5-5	Cir. 1/2 hr and 1 hr for samples 3177.
3190	4-3-4-7-5-5-4-6-5-5	
3200	3-3-3-4-3-2-3-4-4-4	
3200-3210	4-3-3-2-4-5-3-8-4-5	Cir. 3210.
3220	4-5-3-3-3-4-3-5-4-2	
3230	1-5-3-4-3-3-3-3-3-3	
3240	3-4-5-4-4-5-6-7-5-4	Cir. 1 hr for samples 3240 and 1/2 and 1 hr for wet samples.
3250	6-5-6-6-5-6-5-5-7-6	
3260	4-5-3-4-3-5-4-6-5-6	
3270	7-7-6-5-6-8-6-5-7-6	Cir. 1 hr for samples 3265 and 1/2 and 1 hr for wet samples.
3280	6-6-5-6-4-5-5-6-5-5	
3290	6-8-7-7-8-9-6-4-4-4	Cir. 1 1/2 hr for samples 3280 and 1/2 and 1 hr for wet samples.
3300	5-5-5-6-5-6-5-4-6-9	

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Wyman M. Warren 15-147-30096-00-00

Petroleum Geologist

501 Insurance GENERAL BUILDING
WICHITA, KANSAS

Drilling Time Log - Jackson #2 Elsie - Page 2

<u>From To</u>	<u>Drilling Time</u>	<u>Remarks</u>
3300-3310	9-9-6-8-8-7-8-6-4-6	Cir. 1/2 hr for samples 3308.
3320	5-4-5-8-6-6-5-5-7-6	
3330	5-4-6-4-4-5-3-6-7-6	Cir. 3323.
3340	6-7-9-4-3-3-2-4-3-3	
3350	4-3-1-1-1-1-1-1-1-1	
3360	3-3-4-4-3-3-4-3-3-4	
3370	4-5-5-4-5-5-5-5-8-6	3370 RED. Cir. to clean hole for long string.

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CONSERVATION DIVISION
Wichita, Kansas

State of Kansas



State Corporation Commission

CONSERVATION DIVISION

(Oil, Gas and Water)

P. O. Box 17027 3830 S. Meridian
WICHITA, KANSAS 67217

15-147-30096-00-00

September 27, 1972

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STATE CORPORATION COMMISSION

OCT 10 1972

CONSERVATION DIVISION
Wichita, Kansas

WELL PLUGGING AUTHORITY

Well No.	2
Lease	Elsie
Description	C E/2 SE SW 20-4-18W
County	Phillips
Total Depth	3370'
Plugging Contractor	Southwest Casing Pulling

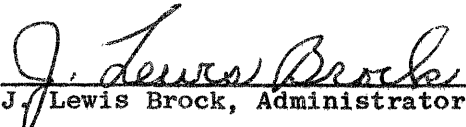
T. W. Jackson
Phillipsburg, Kansas 67661

Gentlemen:

This is your authority to plug the above subject well in accordance with the Rules and Regulations of the State Corporation Commission.

This authority is void after 90 days from the above date.

Yours very truly,


J. Lewis Brock, Administrator

Mr. Leo Massey Box 582 Hays, Kansas
is hereby assigned to supervise the plugging of the above named well.