

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

15-169-00130-00-01

API NUMBER _____
LEASE NAME Townsdin-Robinson
WELL NUMBER #1

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

SE Ft. from S Section Line
NE-NE-SW ADD KCC
Ft. from E Section Line

LEASE OPERATOR D & R Oil Properties Inc.
ADDRESS 100 Laurel Court, McPherson, KS 67460
PHONE# (316) 241-2816 OPERATORS LICENSE NO. 5563

SEC. 32 TWP. 15 RGE. 3 ~~NE~~ or (W)
COUNTY Saline

Character of Well SWD
(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Date Well Completed 1-53
Plugging Commenced 4-22-93
Plugging Completed 4-26-93

Did you notify the KCC District Office prior to plugging this well? Yes

Which KCC Office did you notify? Wichita

Is ACO-1 filed? Yes If not, is well log attached? _____

Producing Formation Maquoketa Depth to Top 3391 Bottom 3396 T.D. 3396

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
Maquoketa	Dolomite	Top	325 ft	8-5/8"	325 ft	None
		Top	3392	5 1/2"	3392	51 ft.

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 each set.
Sanded 5 1/2' to 3000' and plugged with 5 sx. of cement - pushed rubber plug to 500' which was top of fluid - pulled 51' of 5 1/2" - put 6 yds of redimix slurry down hole

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

Name of Plugging Contractor D & R Well Service License No. 04873

Address R.R. #2, Box 140, Galva, Kansas 67443 - Telephone 654-3826

STATE OF Kansas COUNTY OF McPherson, ss.

Dennis Perera (Employee of Operator) or (Operator) of 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 that the same are true and correct, so help me God.

(Signature) Dennis Perera

(Address) 100 Laurel Ct, McPherson, KS 67460

SUBSCRIBED AND SWORN TO before me this 25 day of May, 1993

Carroll D. Winslow
Notary Public

My Commission Expires: _____



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#1

Page
No.
Sub

January 16, 1953

TIME LOG

Davis-Child & Sterling Drilling Co.	Elevation:	1311 Rotary Bushing
No. 1 Townsden-Robinson		1308 Derrick Floor
NE SE SW Sec. 32-15S-3W		1306 Ground Level
Semi-Wildcat	Contractor:	Sterling Drilling Co.
Saline Co., Kansas		325' of 8-5/8" csg; 5-1/2" csg. 3392'
		Completed 1-15-53

All measurements are from the top of the Rotary Bushing
1-foot drilling time from 2990' to Total Depth

Depth	Time	Remarks
2990-3000	4- 3- 5- 8- 11- 8- 7- 7- 16- 5	Mississippian 2875
3000-3010	5- 4- 4- 4- 3- 3- 2- 2- 5- 3	
3010-3020	3- 2- 4- 5- 5- 2- 4- 4- 4- 3	
3020-3030	2- 2- 2- 4- 5- 7- 6- 5- 5- 6	
3030-3040	7- 5- 3- 3- 7- 7- 13- 14- 10- 7	
3040-3050	10- 13- 11- 13- 12- 13- 15- 11- 7- 4	R. 3046
3050-3060	5- 8- 12- 10- 7- 4 13- 12- 13- 16	R. 3054-59
3060-3070	12- 7- 7- 7- 7- 7- 6- 6- 8- 10	SR 3065-67, 69
3070-3080	9- 13- 19- 17- 17- 17- 10- 8- 9- 12	SR 3071
3080-3090	10- 9- 8- 9- 10- 14- 22- 12- 18- 18	R 3089
3090-3100	14- 14- 12- 16- 18- 16- 16- 17- 16- 17	R 3091-93
3100-3110	17- 16- 8- 11- 11- 14- 12- 9- 5- 4	
3110-3120	11- 11- 12- 18- 17- 17- 25- 20- 25- 25	
3120-3130	25- 27- 33- 25- 38- 20- 11- 10- 10- 14	Trip 3126
3130-3140	18- 15- 19- 20- 20- 15- 13- 19- 20- 16	
3140-3150	16- 16- 14- 15- 10- 18- 15- 16- 18- 19	
3150-3160	9- 9- 8- 6- 6- 5- 6- 5- 5- 7	Trip 3150
3160-3170	6- 5- 5- 5- 5- 5- 5- 5- 4- 3	Kinderhook shale 3161
3170-3180	5- 5- 5- 5- 6- 7- 7- 6- 6- 6	
3180-3190	6- 6- 6- 6- 7- 7- 7- 8- 7- 8	
3190-3200	8- 7- 5- 5- 6- 6- 7- 7- 6- 6	
3200-3210	6- 5- 5- 4- 4- 5- 6- 6- 9- 9	
3210-3220	7- 7- 6- 5- 7- 6- 5- 5- 6- 5	
3220-3230	5- 5- 6- 5- 6- 6- 6- 6- 5- 5	
3230-3240	4- 4- 4- 4- 3- 4- 4- 6- 5- 5	
3240-3250	5- 5- 5- 6- 6- 4- 5- 4- 5- 5	
3250-3260	4- 5- 5- 4- 4- 4- 5- 4- 4- 4	
3260-3270	3- 2- 3- 4- 4- 4- 4- 4- 4- 5	
3270-3280	5- 5- 5- 4- 4- 5- 4- 5- 5- 4	
3280-3290	5- 5- 5- 5- 5- 5- 5- 5- 5- 5	
3290-3300	5- 4- 5- 5- 5- 5- 5- 5- 5- 5	
3300-3310	5- 5- 5- 5- 5- 6- 5- 5- 5- 5	
3310-3320	5- 5- 4- 4- 4- 5- 5- 5- 5- 5	

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Maquoketa shale 3329

Page #2, Time Log
Davis-Child & Sterling Drlg Co. #1 Townsdin-Robinson
NE SE SW Sec. 32-15S-3W
Saline Co., Kansas

3330-3340	6- 7- 7- 6- 7- 6- 6- 6- 8- 7
3340-3350	7- 8- 8- 9- 8- 8- 9- 9- 7- 9
3350-3360	9- 8- 9- 7- 8- 8- 8- 7- 8- 8
3360-3370	8- 8- 8- 7- 7- 8- 9- 8- 7- 7
3370-3380	7- 7- 8- 8- 7- 8- 8- 8- 7- 9
3380-3390	8- 8- 9- 8- 9- 8- 7- 7- 9- 8
3390-3396 T. D.	9- 6- 3- 3- 5- 5

Maquoketa dolomite 3391
Circulate 1-1/2 hrs 3396
Drill Stem Test 3392-96; open
1 hr; started with weak blow
increasing to strong blow
within 10 min remaining thru-
out test; recoverd 90' heavy
oil & gas cut mud & 120' slight
ly mud cut gassy oil, No wtr;
Initial Flow pressure 30 lbs
Final Flow Pressure 80 lbs
15-minute Bottom Hole Pressur
1130 lbs.

(Time Log condensed by Don H. Smith)

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January 16, 1953

GEOLOGIC REPORT

Davis-Child & Sterling Drilling Co.
 No. 1 Townsdin-Robinson
 NE SE SW Sec. 32-15S-3W
 Semi-Wildcat

Elevation: 1311 Rotary Bushing
 1308 Derrick floor
 1306 Ground Level
 Contractor: Sterling Drilling Co.
 325' 8-5/8" csg; 5-1/2 " csg 3392'
 Completed: 1-15-53

The #1 Townsdin-Robinson was drilled with Rotary Tools to 3396' Total Depth. Ten-foot samples were saved from 2750 to 3250 and 5-foot samples from 3250 to Total Depth. One-foot drilling time was recorded from 2990' to Total Depth. All samples were examined with a microscope and drilling was observed from approximately 3325 to Total Depth.

FORMATION TOPS, OIL SHOWINGS AND RELATED DATA

Included below are descriptions of all porous, oil-stained or otherwise significant lithologic zones. All measurements are based on the top of the Rotary bushing.

Formation Tops & Notable Zones (*Denotes oil staining)	Depth below Surface	Depth below Sea Level	Remarks
MISSISSIPPIAN	2875	-1564	
Some white opaque partly devitrified chert traces slight pin point porosity	2881-86		
Cream & some white fine to med-crystalline dolomite - most tight but some with slight to fair vuggy porosity	2896-2905		
Ditto - considerable fair vugular to pin point porosity	2905-19		
Ditto & some cream finely succrose glauconitic dolomite - slight vugular to pin point porosity	2919-24		
Light gray to gray finely succrose glauconitic dolomite - scattered slight pin point porosity; traces white opaque chert	2924-34		
Buff medium crystalline dolomite - fair vugular porosity	2934-38		

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Gray, dark gray argillaceous glauconitic finely succrose dolomite - scattered slight to fair pin point porosity; light to dark gray fossiliferous chert	2938-46	
White devitrified to tripolitic chert - traces scattered very slight leached porosity	3001-23	
Ditto & traces white finely succrose dolomite	3023-32	
White to light gray devitrified partly dolomitic chert - traces slight leached porosity; small amount white finely succrose dolomite - traces slight pin point porosity	3048-56	
Chert as above - traces very slight porosity; some white to cream finely succrose dolomite traces very slight porosity	3061-71	
KINDERHOOK SHALE	3161	-1850
MISENER SAND	3317	-2006
Gray medium-grained pyritic tight sand	3317-18	
HUNTON	3318	-2007
White & light gray fine to med-crystalline partly chalky tight dolomite - traces very slight vugular porosity	3318-21	
Ditto & some green to white finely granular to chalky tight dolomite	3321-29	
MAQUOKETA SHALE	3329	-2018
MAQUOKETA DOLOMITE	3391	-2080
*Gray fine to med-crystalline dolomite - scattered pieces with slight to fair porosity to small to fair shows free oil, slight to fair stain; light gray fossiliferous partly devitrified chert with slight porosity & small shows free oil	3391-96	
ROTARY TOTAL DEPTH	3396	-2085
5-1/2" casing cemented	3392	-2081

Circulate 1-1/2 hrs
3396, Drill Stem Test,
3392-3396; open 1 hr;
started with weak blow,
increasing to strong
blow within 10 min
remaining thru-out test
recovered 90' heavy oil & gas
cut mud 120' slightly mud cut
gassy oil no wtr; Initial Flow
Pressure 30 lbs; Final Flow
Pressure 80 lbs; 15-min.
Bottom Hole Pressure 1130 lb

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Page #3, Geologic Report
Davis-Child & Sterling Drlg Co #1 Townsdin-Robinson
NE SE SW Sec. 32-15S-3W, Saline Co., Kansas

PRODUCTION POSSIBILITIES

The #1 Townsdin-Robinson appears to be assured of commercial oil production from the Maquoketa Dolomite on the basis of the favorable drill stem in that formation. The recovery of 90' of heavy oil and gas cut mud and 120' of slightly mud cut gassy oil in 1 hour represents a considerably better recovery than was obtained in the drill stem test of the Maquoketa Dolomite in the closest producing well, Phillips and Sanderson #A-1 Johnson, SW SW NE of section 5-16-S-3W. The latter well, which reportedly has obtained good production, recovered 8' of oil cut mud 60' of heavy oil cut mud and 60' of free oil in an hour and 15-minute test.

STRUCTURAL COMPARISONS

The #1 Townsdin-Robinson apparently is situated fairly low on the west flank of the Lindsborg-Olsson Pools trend. It is approximately 70' to 95' lower than closest production in the Olsson Pool area approximately 1-1/2 to 2 miles to the east and southeast.

On the top of the Maquoketa Dolomite the subject well is 29' lower than the Phillips and Sanderson #A-1 Johnson, SW SW NE Sec. 5-16S-3W and 31' lower than the Butler and White #1 Leander, NW NW SE Sec. 5. It is 6' higher than the Phillips and Sanderson #1 Johnson, discovery well of the Salemsburg Pool in the SW cor. of Sec. 5-16S-3W.

Yours very truly,

Don H. Smith

DHS:RMS

1-16-

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CHRONOLOGICAL WELL HISTORY

Davis-Child - Sterling Drilling Company

TOWNSDIN-ROBINSON #1

Location: NE SE SW, Section 32, Township 15 South, Range 3 West, Saline County, Kansas.

Elevation: 1306 G. L.
1306 D. F.
1311 K. B.

- 1- 2-53 Digging cellar M. I. R. T.
1- 5-53 R. U. R. T. Spudded in and drilled 12-1/4" hole to 325'. Topped Anhydrite at 317. Ran 11 juts 8-5/8" surface pipe. Landed at 325' K. B., and cemented w/250 sacks cement.
1- 4-53 W. O. C.
1- 5-53 Drilled plug and drilled to 640' in lime and shale.
1- 6-53 Drilling at 1330'.
1- 7-53 Drilling at 1910'.
1- 8-53 Drilling at 2200'.
1- 9-53 Drilling at 2475'.
1-10-53 Drilling at 2700'.
1-11-53 Drilling at 2940'.
1-12-53 Drilling at 3080'.
1-13-53 Drilling at 3165'.
1-14-53 Drilling at 3300'.
1-15-53 Drilled to 3396' K. B. Top Maquoketa Dolomite at 3391' K. B. Pulled out of hole for DST. Tester delayed so reran D. P. to bottom and circulated 1 hour. Pulled D. P. and ran DST #1 3392-96. Tool open 1 hour. Shut in 15 min. Rec. 30' O. C. M. 60' heavily O. C. M. and 120' free oil. I. F. P. - 30 psi F. F. P. 80 psi S. I. B. H. P. - 1130 psi. Went in hole w/D. P. Circulated for 1 hour. Layed down D. P. Measured D. P. while laying down and checked T. D. at 3398.5' K. B. Ran 107 juts 5-1/2" 14#, J-55, 8R, National Casing. Measured Casing in and checked T. D. at 3397.5' K. B. Corrected T. D. from 3396 K. B. to 3397' K. B. and Top Maquoketa Dolomite from 3391 K. B. to 3392' K. B. Casing equipped w/Howco formation packer shoe landed at 3393' K. B. Magnesium Ring Baffle Collar at 3364' K. B. Casing Collars as follows: 3363.5, 3332.75, 3301.2, 3269.3, 3235.7, 3203. K. B. Cemented casing w/50 sacks of common cement. Plug down at 9:30 P. M. W. O. C.
1-16-53 M. O. R. T.

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Page 2 Chronological Well History.

Davis-Child - Sterling Drilling Company
Townsdin-Robinson #1

Corrected Formation Tops 1-16-53

<u>Formation</u>	<u>Depth - K. B.</u>	<u>Datum</u>
Mississippian	2875'	-1564
Kinderhook	3160	-1849
Misener	3317	-2006
Hunton	3318	-2007
Maquoketa Shale	3329	-2018
Maquoketa Dolomite	3392	-2081
T. D.	3397	-2086

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