

15-169-00965-00-00

RECEIVED  
STATE CORPORATION COMMISSION  
NOV 1 1971

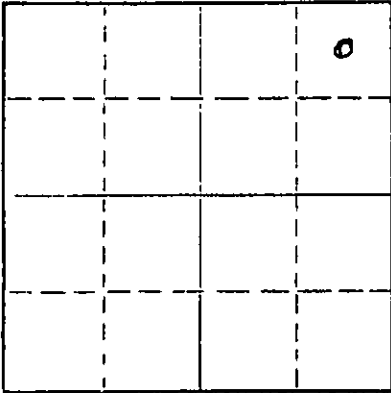
CONSERVATION DIVISION Form CP-4  
Wichita, Kansas

STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

NORTH



Locate well correctly on above  
Section Plat

Saline County. Sec. 29 Twp. 15 Rge. 3 (E) (W)  
Location as "NE/CNW&SW" or footage from lines. C NE NE  
Lease Owner Walter J. Nelson  
Lease Name Yorty #1 Well No.  
Office Address Salina, Kansas 67401  
Character of Well (completed as Oil, Gas or Dry Hole)  
Date well completed 19  
Application for plugging filed 19  
Application for plugging approved 19  
Plugging commenced 10/26/71 19  
Plugging completed 11/2/71 19  
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 Toman  
Producing formation Depth to top Bottom Total Depth of Well 3401 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 4 1/2"	317 3395	none 2810'

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.

Checked bottom, ran sand to 3200' and dumped 3 sacks of cement.  
Loaded hole, shot pipe at 2943', 2857', worked pipe loose and pulled 88 joints. Bailed hole to 317', set 10' rock bridge and dumped 4 yards ready mix. Had 107' of fill up, ran 3 more yards ready mix.

PLUGGING COMPLETE.

(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 RICE, ss.  
NOEL J. KNIGHT (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) *Noel Knight*  
CHASE, KANSAS  
(Address)

SUBSCRIBED AND SWORN to before me this 8th day of November, 1971

My commission   
MARGARET MELCHER  
NOTARY PUBLIC  
Rice County, Kansas  
My Commission Expires  
Feb. 15, 1975

*Margaret Melcher*  
Notary Public.

15-169-00965-00-00

WILLIS D. WATERMAN, M. S.  
GEOLOGIST  
626 MAX  
SALINA, KANSAS

Taylor 3-3428  
or  
Taylor 7-1909

April 4, 1963

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 21 1971  
CONSERVATION DIVISION  
Wichita, Kansas

RE: Walter J. Nelson  
2080 Edwards Street  
Salina, Kansas

Re: Walter J. Nelson No. 1 Fordy  
C 88 NE 29-158-3W, Saline Co., Kans.

Dear Mr. Nelson:

Transmitted herewith are the Geologic Report, Drilling Summary, and Time Log of the subject well prepared as the Well Report by me on this date. The report summarizes the information obtained during the drilling and during my geologic supervision of the well.

The information contained herein is, to the best of my knowledge, complete and correct.

The examination of the samples and the favorable structural position indicate that the subject well will be productive from both the Viola formation and the Maquoketa formation. This well is 4 feet lower structurally than the excellent and offset No. 1 Holquist. This position should not materially affect the potential of the Maquoketa but may reduce somewhat the cumulative productivity of the Viola. Pipe has been set on the top of the Viola, but this formation should not be opened until after the Maquoketa production is depleted.

Respectfully,

*Willis D. Waterman*  
Willis D. Waterman

15-169-00945-00-00

GEOLOGIC REPORT

Well: Walter J. Nelson No. 1 Yordy.

Location: C NE NE 29-15S-3W, Saline County, Kansas

Altitude: 1,275 feet (est).

Completion date: April 3, 1963.

Contractor: Hex and Morris, Eldorado, Kansas

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The No. 1 Yordy well was drilled with rotary tools to a total depth of 3,401 feet. Samples were collected at ten-foot intervals and drilling time was recorded for each foot drilled below 2,800 feet.

Description of Formational Tops and Lithology.

Tabulated below are descriptions of all lithologically significant formations and zones, including oil-stained and porous zones. Depths are referred to the top of the rotary bushing.

Formation or zone description	Formation depths	
	Surface datum	Sea datum
MISSISSIPPIAN LIMESTONE	2794	-1519
KINDERHOOK SHALE	3094	-1819
HUNTON LIMESTONE	3252	-1977
MAQUOKETA SHALE	3276	-2001
MAQUOKETA DOLOMITE	<u>3333</u>	-2056
dolomite; light gray; good porosity, fair spotted staining and traces of free oil	3333-39	
VIOLA LIMESTONE	<u>3389</u>	-2114
limestone; white, coarsely crystalline, some staining and free oil	3400-TD	
Rotary total depth	3401	-2126

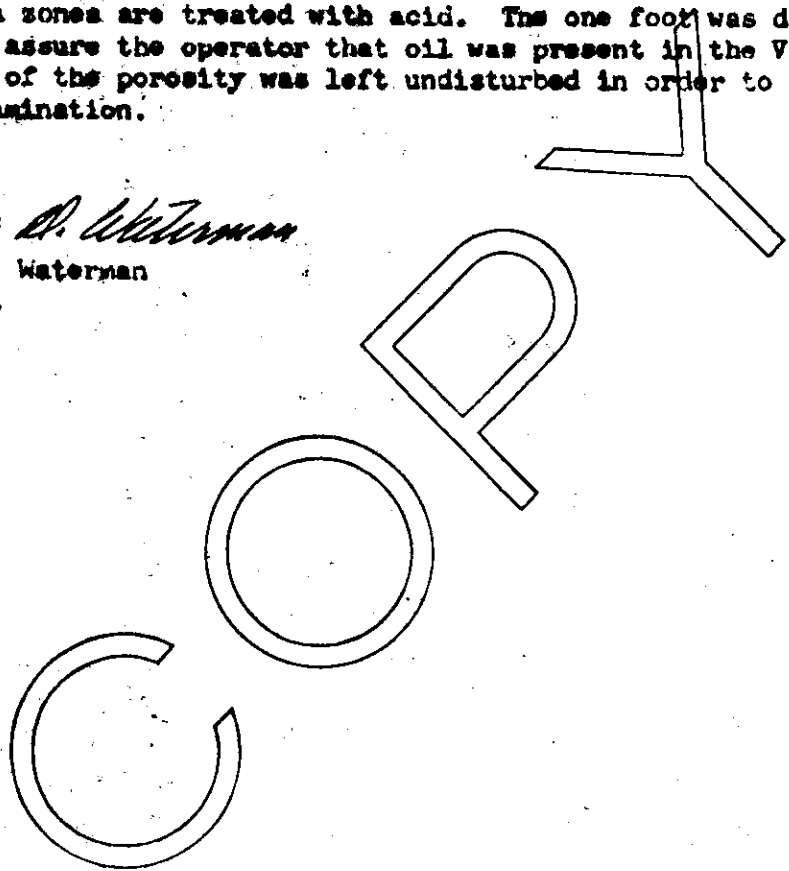
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Structural Comparisons and Production Possibilities.

The No. 1 Yordy well found the Maquoketa dolomite and the Viola limestone 4 feet lower structurally than the offset Walter Nelson No. 1 Holsquist well. This structural position should not materially affect production from the Maquoketa, but it may slightly reduce the total recovery from the Viola. The Maquoketa should be produced to its economic limit prior to opening the Viola porosity. The Maquoketa dolomite will require fracturing eventually for continued commercial production.

Only one foot of the upper of the two "pay" zones has been opened by the rotary tools. The well should be drilled 8 feet deeper before the Viola zones are treated with acid. The one foot was drilled in order to assure the operator that oil was present in the Viola, but the rest of the porosity was left undisturbed in order to avoid drilling mud contamination.

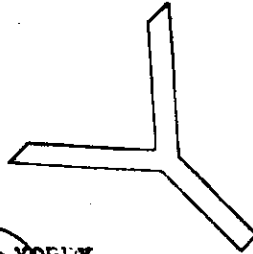
*Willis D. Waterman*  
Willis D. Waterman  
Geologist



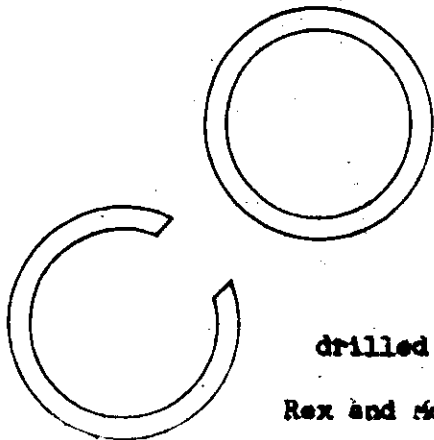
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**WELL REPORT**

of the



**WALTER J. NELSON NO. 1 YORBY**  
**C NE $\frac{1}{4}$  NE $\frac{1}{4}$  Sec. 29, T. 15 S., R. 3 W.**  
**Saline County, Kansas**



**drilled by**  
**Rex and Morris**  
**ElDorado, Kansas**

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**Wichita, Kansas**

**April 4, 1963**

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DRILLING RECORD

Description of Tools.

Draw works: National T-25, 4 1/2" drill-pipe.  
 Derrick: Lee C. Moore, 97 foot.  
 Pump: Ideal, 5 1/2" liners & 12" stroke.  
 Motors: General Motors "Twin Jimmy" Diesels.

Casing Record.

Size: 8 5/8" from surface to 317 feet.  
 4 1/2" from surface to 3,395 feet.  
 Cement: Surface cemented with 240 sacks.  
 Long string cemented with 75 sacks.

Drilling Mud Record.

Type of Mud: Water base.  
 Amount used: 55 sacks Magcoogel  
 9 sacks Soda Ash  
 11 sacks Hulls  
 2 sacks Magcofib  
 3 sacks Caustic Soda

Bit Record.

Make	Size	Model	Serial Number	Depth from	to	footage	Hours Run
HTC	7 7/8	OWV	55716	235	870	635	13
Sec.	7 7/8	S4	656690	870	1902	1032	19 1/2
Reed	7 7/8	YFL	822485	1902	2353	451	17
HTC	7 7/8	OSG	8938 9	2353	2895	542	23 1/2
Reed	7 7/8	YHWQ	133357	2895	3055	160	6 1/2
HTC	7 7/8	OWL	31926	3055	3391	336	Cones off
Rerun Reed	YHWQ			3391	3401		

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TIME LOG

Walter J. Nelson  
 No. 1 Yordy  
 C No. 27-15S-3W  
 Saline Co., Kans.

Altitude: 1,275 feet RB (Est).  
 1,270 feet Grd. (Est).  
 Completed: April 3, 1963  
 Contractor: Rex and Morris

All measurements are referred to the top of the rotary bushing. Only that time below 3,100 feet is given here.

Depth	Time	Remarks
3100-3110	3- 2- 2- 2- 3- 3- 2- 3- 3- 3	
3110-3120	3- 3- 2- 3- 2- 3- 3- 3- 2- 3	
3120-3130	2- 2- 2- 2- 3- 2- 2- 2- 2- 2	
3130-3140	3- 3- 2- 3- 2- 3- 3- 2- 2- 3	
3140-3150	3- 2- 2- 2- 2- 3- 2- 2- 2- 3	
3150-3160	1- 2- 2- 2- 2- 3- 2- 2- 3- 3	
3160-3170	2- 2- 2- 2- 2- 2- 2- 2- 2- 2	
3170-3180	2- 2- 2- 2- 2- 3- 2- 2- 2- 2	
3180-3190	2- 2- 3- 2- 2- 3- 2- 2- 3- 3	
3190-3200	2- 3- 2- 2- 3- 2- 2- 2- 2- 2	
3200-3210	2- 2- 2- 2- 2- 2- 2- 2- 3- 2	
3210-3220	2- 2- 2- 3- 2- 2- 2- 2- 2- 3	
3220-3230	2- 2- 2- 2- 3- 3- 2- 3- 2- 2	
3230-3240	3- 2- 2- 2- 3- 3- 3- 2- 3- 2	
3240-3250	2- 2- 2- 2- 3- 2- 3- 2- 3- 3	
3250-3260	3- 3- 4- 3- 3- 3- 2- 3- 2- 2	
3260-3270	3- 3- 3- 2- 3- 4- 4- 3- 4- 5	
3270-3280	4- 3- 4- 3- 4- 3- 4- 4- 4- 4	
3280-3290	4- 4- 4- 4- 4- 4- 4- 4- 4- 5	
3290-3300	4- 4- 5- 4- 4- 4- 4- 4- 4- 4	
3300-3310	4- 4- 4- 4- 5- 4- 4- 4- 4- 3	
3310-3320	3- 4- 3- 4- 3- 3- 3- 3- 3- 3	
3320-3330	3- 3- 3- 4- 3- 3- 4- 3- 3- 5	
3330-3340	4- 3- 3- 4- 2- 3- 2- 3- 2- 4	Circ. # 3337
3340-3350	4- 3- 4- 4- 5- 4- 4- 5- 4- 5	
3350-3360	4- 5- 4- 4- 4- 5- 4- 4- 4- 3	
3360-3370	3- 3- 4- 5- 5- 4- 5- 5- 5- 5	
3370-3380	5- 5- 5- 5- 5- 5- 6- 5- 5- 5	
3380-3390	5- 5- 7- 6- 6- 5- 4- 3- 4- 5	
3390-3401	27- 8- 8-11-10- 9- 9-10-10- 8- 6	Trip # 3392. Circ. # 3401
RTD--3401	Set 4 1/2" pipe w/75 sacks # 3395	

