

**KANSAS DRILLERS LOG**

S. 26 T. 2S R. 42 <sup>K</sup>/<sub>W</sub>

API No. 15 — 023 — 20,107 -00-00  
 County Number

Loc. C NW SW SE  
 County Cheyenne

Operator  
 Cities Service Company

Address  
 209 E. William, Wichita, Kansas 67202

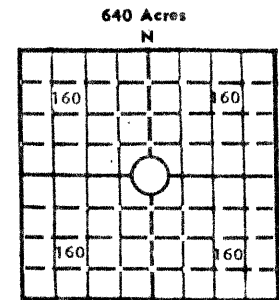
Well No. 4 Lease Name Northrup "A"

Footage Location  
 990 feet from (S) line 2310 feet from (E) (WX) line

Principal Contractor Rains and Williamson Geologist Well Site - Sam Houston

Spud Date 5-24-79 Total Depth 4990 Ft. P.B.T.D.

Date Completed 6-4-79 Oil Purchaser



Locate well correctly  
 Elev.: Gr. 3693 Ft.  
 DF 3697 Ft. KB 3701 Ft.

**CASING RECORD**

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/2"	8 5/8"	24#	372 Ft.	50-50 Pozmix <sup>A</sup>	300	2% CaCl-2

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

**TUBING RECORD**

Size	Setting depth	Packer set at

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated

**INITIAL PRODUCTION**

Date of first production Dry Hole		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	bbls.		MCF	bbls.	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		

10-2-79

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Cities Service Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 4	Lease Name Northrup "A"	Dry Hole
S 26 T 2S R 42 <sup>K</sup> / <sub>W</sub>		


**WELL LOG**

Show all important zones of porosity and contents thereof; cased intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
(See Attached)				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	
	 Signature E. W. Peterman Region Operations Manager Title June 11, 1979 Date

DRILLER'S LOG

15-023-20107-00-00

COMPANY: Cities Service Company

SEC. 26 T. 2S R. 42W

WELL NAME: Northrup "A" #4

LOC. NW SW SE

RIG NO. #1

COUNTY: Cheyenne

TOTAL DEPTH 4990'

ELEVATION

COMMENCED: 5-24-79

COMPLETED: 6-4-79

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 371' w/300 sx. Class A, 2% cc.

PRODUCTION: D&A

LOG

(Figures Indicate Bottom of Formations)

Shale	374
Shale & Sand	1914
Sand & Shale	2516
Shale & Sand	3716
Shale & Lime	4335
Lime & Shale	4440
Shale & Lime	4585
Lime & Shale	4709
Lime	4990
ROTARY TOTAL DEPTH	4990

STATE OF Kansas)

COUNTY OF Sedgwick)

SS:

I, Wilson Rains, President

of

Rains & Williamson Oil Co., Inc.

upon oath state that the above and foregoing is a true and correct copy of the log of the

Northrup "A" #4

well.

*Wilson Rains*

Wilson Rains

Subscribed and sworn to before me this

7

day of

June

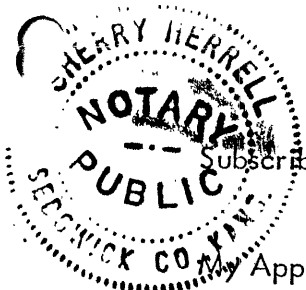
, 1979.

My Appointment Expires:

1-5-82

*Sherry Herrell*

Sherry Herrell



OCT - 2 1979  
10-2-79