TYPE AFFIDAVIT OF COMPLETION FORM ACO-1 WELL HISTORY

SIDE ONE

State Geological Survey
WICHITA BRANCH

14-32-10W

Compt.

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

F Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

C X Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5146 EXPIRATION DATE

OPERATOR Rains & Williamson Oil Co., Inc. API NO. 15-007-21,614

ADDRESS 435 Page Court, 220 W. Douglas COUNTY Barber

Wichita, Kansas 67202 FIELD Sharon

** CONTACT PERSON Juanita Green PROD. FORMATION Mississippian

PHONE 265-9686

PURCHASER Northern Natural Gas Company LEASE Lies

ADDRESS 2223 Dodge Street WELL NO. #1

Omaha, Nebraska 68102 WELL LOCATION NE NE SE

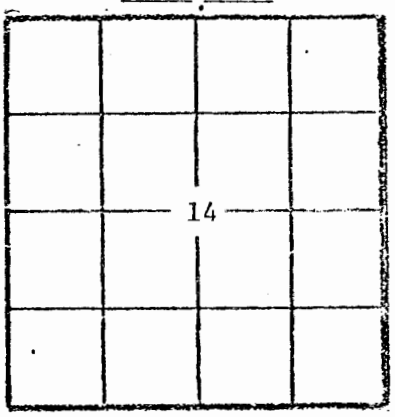
DRILLING CONTRACTOR Rains & Williamson Oil Co., Inc. 2310 Ft. from South Line and

ADDRESS 435 Page Court, 220 W. Douglas 330 Ft. from East Line of

Wichita, Kansas 67202 the SE/4 (Qtr.) SEC 14 TWP 32S RGE 10 (W).

PLUGGING CONTRACTOR ADDRESS Same

WELL PLAT



(Office Use Only)
KCC
KGS ✓
SWD/REP
PLG.

TOTAL DEPTH 4445' PBTD

SPUD DATE 7-12-83 DATE COMPLETED 8-18-83

ELEV: GR 1475 DF KB 1484

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 268' DV Tool Used?

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO, Other

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gallons MCA	4392' - 4395'

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
8-18-83	Flowing	

Estimated Production -I.P.	Oil	Gas	Water	Gas-oil ratio
	bbls.	1.4 MCF	% bbls.	CFPB

Disposition of gas (vented, used on lease or sold)

Perforations 4392' - 4395'

(Name)

SIDE TWO

ACO-1 WELL HISTORY (XX) (W)

OPERATOR Rains & Williamson Oil Co., Inc. LEASE Lies #1 SEC. 14 TWP. 32S RGE. 10

FILL IN WELL INFORMATION AS REQUIRED: WELL NO.

Show all important zones of porosity and contents thereof; cored 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
Check if no Drill Stem Tests Run.				
DST #1 - 4354-4585, 30 (60) 60 (60). Rec. 65' GCM. FP's 49-49, 49-49. IBHP 1165, FBHP 1294.			SAMPLE TOPS	
DST #2 - 4353-4390, 30 (60) 90 (60). Rec. 120' GCM, 30' GCM w/few oil specks. FP's 127-127, 127-127. IBHP 1344, FBHP 1344.			Anhydrite B/Anhydrite Heebner Lansing KC Swope BKC Ft. Scott Congl. Miss. R.T.D.	1108 (+376) 1130 (+354) 3442 (-1958) 3640 (-2156) 3939 (-2462) 4099 (-2615) 4178 (-2694) 4307 (-2823) 4361 (-287 4379 (-2895) 4445 (-2961)
DST #3 - 4340-4395, 30 (60). Rec. 1800' gassy mud. FP's 306, 387. IBHP 1345.				
DST #4 - 4390-4405, 30 (60) 90 (60). Rec. 240' S1.0&GCM. FP's 408 - 408, 428-397. IBHP 1355, FBHP 1355.			ELECTRIC LOG	
			Anhydrite B/Anhydrite Heebner Lansing Kansas City Swope B/KC Ft. Scott Cong. Miss. L.T.D.	1105 (+ 37., 1111 (+ 373) 3442 (-1958) 3640 (-2156 3941 (-245 4099 (-2615) 4174 (-2690) 4307 (-2823) 4363 (-2879) 4380 (-2896) 4441 (-2956)
Redbed & Shale		1345		
Shale		2845		
Lime & Shale		3400		
Lime		3530		
Lime & Shale		3862		
Lime		4445		
ROTARY TOTAL DEPTH		4445		
If additional space is needed use Page 2, Side 2				

Report of all strings set—surface, intermediate, production, etc. CASING RECORD (New) or (Used)

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	12¼"	8 5/8"	24#	268'	Common	200 sx.	2% gel, 3% cc.
Production	7 7/8"	5 1/2"	14#	4444'	RFC	100 sx.	12 bbls. flush

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	4394'	No packer was set

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
3		4392' - 4395'

7/24/83
P1

CONFIDENTIAL

DRILLER'S LOG (L)

COMPANY: Rains & Williamson Oil Co., Inc.

SEC. 14 T. 32S R. 10W

LOC. NE NE SE

WELL NAME: Lies #1

COUNTY: Barber

RIG NO. #3

TOTAL DEPTH 4445'

ELEVATION 1475 GL 1484 KB

COMMENCED: 7-12-83 COMPLETED: 7-24-83

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 268' w/200 sx. common, 2% gel, 3% cc.

PRODUCTION: 5 1/2" @ 4444' w/100 sx. RFC, 12 bbls. flush.

State Geological Survey
WICHITA BRANCH

LOG

(Figures Indicate Bottom of Formations)

Redbed & Shale	1345
Shale	2845
Lime & Shale	3400
Lime	3530
Lime & Shale	3862
Lime	4445
ROTARY TOTAL DEPTH	4445

RELEASED
Date: AUG 1 1984
FROM CONFIDENTIAL

STATE OF Kansas)
COUNTY OF Sedgwick) SS:

I Wilson Rains President of Rains & Williamson Oil Co., Inc.