

KANSAS

IMPORTANT
Kans. Geo. Survey request
samples on this well.

State Geological Survey
WICHITA BRANCH

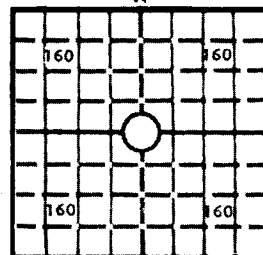
**WELL COMPLETION REPORT AND
DRILLER'S LOG**

S. 13 T. 32 R. 4 ^E/_W

Loc. NE NW SE

County Sumner

640 Acres



Locate well correctly

Elev.: Gr. 1227

DF _____ KB 1232

API No. 15 — 191 — 21,186
County Number

Operator
Rains & Williamson Oil Co., Inc.

Address
435 Page Court Wichita, Kansas 67202

Well No. # 1 Lease Name Love

Footage Location
feet from (N) (S) line _____ feet from (E) (W) line _____

Principal Contractor Silverado Drilling, Inc. Geologist John Rose

Spud Date 1-9-81 Date Completed 2-3-81 Total Depth 4349' P.B.T.D. _____

Directional Deviation _____ Oil and/or Gas Purchaser _____

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
	12 1/2"	8 5/8"	20#	285'	Common	225 sx.	3% cc., 2% gel.
		4 1/2"	10 1/2#	4348'	50/50 poz.	475 sx.	

LINER RECORD

PERFORATION RECORD

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

TUBING RECORD

Size	Setting depth	Pecker set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production _____ Producing method (flowing, pumping, gas lift, etc.) _____

RATE OF PRODUCTION PER 24 HOURS
Oil _____ bbls. Gas _____ MCF Water _____ bbls. Gas-oil ratio _____ CFPB

Disposition of gas (vented, used on lease or sold) _____ Producing interval (s) _____

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, 245 No. Water, Wichita, Kansas 67202. 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.

erator

Rains & Williamson Oil Co., Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

Oil

Well No. #1	Lease Name Love
s <u>13T32S R 4</u> ^{XK} W	

WELL LOG

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
DST #1 - 1453-1483, 45 (60) 45 (60). Rec. 540' M&GCM. FP's 147-147, 147-179. IBHP 660, FBHP 660.			<u>SAMPLE TOPS</u>	
			Red Eagle	1467 (-235)
			Wabaunsee	1665 (-430)
DST #2 - 1617-1650, 45 (45) 45 (60). Rec. 210' CGM. FP's 52-73, 94-84. IBHP 706, FBHP 706.			Tarkio Lime	1841 (-609)
			Tarkio Sand	1850 (-618)
			Elmont	1883 (-651)
			White Cloud	2044 (-812)
DST #3 - 1666-1678, 30 (30) 30 (30). Rec. 120' mud. FP's 73-73, 84-84. IBHP 116, FBHP 94.			Howard	2114 (-882)
			Elgin	2466 (-1234)
			Heebner	2635 (-1403)
			Toronto	2649 (-1417)
DST #4 - 1841-1875, 45 (45) 60 (60). Rec. 120' GCM. FP's 45-52, 63-73. IBHP 780, FBHP 780.			KC	3262 (-2030)
			Miss. Chert	3928 (-2696)
			Miss. Dolo.	3943 (-2711)
DST #5 - 2107-2135, 45 (45) 45. Rec. 120' mud, 120' watery mud. FP's 52-84, 73-94. IBHP 643.				
DST #6 - 2444-2490, 45 (45). Rec. 180' heavy mud. FP's 158-158. IBHP 812.				
DST #7 - 3272-3340, 45 (45) 45 (60). Rec. 40' O&GCM, 360' O&GCWM, 180' muddy gassy sl. OCSW, 180' MSW. FP's 116-284, 316-411. IBHP 1244, FBHP 1255.				
DST #8 - 3370-3401, 45 (45) 45 (60). Rec. 30' OCM, 600' VGO, 120' MWO, 300' v. foamy OCW - frothy, 120' sl. OCW, 120' water. FP's 210-348, 411-506. IBHP 1286, FBHP 1286.				
DST #9 - 3434-3490, 45 (45) 45 (60). Rec. 210' sl. O&GCM. FP's 137-137, 147-147. IBHP 1182, FBHP 920.				

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

Date Received	<i>Wilson Rains</i> Wilson Rains Signature
	President Title
	4-29-81 Date

P

13-32-4w

DST #10 - 3941-3958, 45 (60) 60 (60). Rec. 510'
gassy mud. FP's 147-147, 137-179. IBHP 1476,
FBHP 1476.

LOVE #1 ?

RAINS & WILLIAMSON

DST #11 - 4341-4349, 45 (45) 45 (60). Rec. 120'
gassy mud, 60' gassy mud very sl. OC, 60' O&GCM,
60' muddy gassy oil, 60' muddy gassy oil. FP's
137-137, 158-158. IBHP 1754, FBHP 1734.

P/

DRILLER'S LOG

State Geological Survey

WICHITA, BRANCH

COMPANY: Rains & Williamson Oil Co., Inc.

SEC. 13 T. 32S R. 4W

LOC. NE NW SE

WELL NAME: Love #1

COUNTY: Sumner

RIG NO. #10

TOTAL DEPTH 4349'

ELEVATION 1227 GL 1232 KB

COMMENCED: 1-9-81

COMPLETED: 2-3-81

CONTRACTOR: Silverado Drilling, Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 285' w/225 sx. common, 3% cc., 2% gel.

PRODUCTION: 4 1/2" @ 4348' w/475 sx. 50/50 poz. and 450 sx. 50/50 poz.

LOG

(Figures Indicate Bottom of Formations)

Sand, Shale & Shells	697
Shale	762
Shale & Lime	920
Sand, Shale & Lime	1073
Sand	1235
Lime & Shale	1483
Shale & Lime	1583
Lime	1678
Lime & Shale	2270
Shale & Lime	2307
Shale & Shells	2710
Lime & Shale	2890
Shale & Lime	2980
Lime	3390
Lime & Shale	3740
Shale & Lime	3799
Lime & Shale	3940
Lime	4349
<u>ROTARY TOTAL DEPTH</u>	<u>4349</u>

FEB 12 1981
GEOLOGICAL DIVISION
WICHITA, KANSAS

STATE OF Kansas)

COUNTY OF Sedgwick)

SS:

I, Joseph B. Brungardt, Jr., Acct. of Silverado Drilling, Inc.