

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

API No. 15 — 151 — 20,840
County Number

Operator

W. L. KIRKMAN, INC.

Address

453 S. Webb Road (P. O. Box 18611)

Well No.

2

Lease Name

STUEDER

Footage Location

2970 feet from (S) line 1650 feet from (E) line

Principal Contractor

H-30, INC.

Geologist

L. Kristopher Moore

Spud Date

12/18/80

Date Completed

1/05/81

Total Depth

4282

P.S.T.D.

4280

Directional Deviation

None

Oil and/or Gas Purchaser

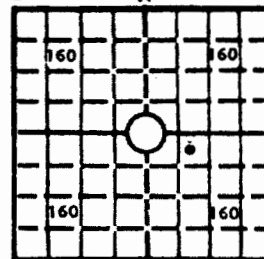
Oil/Gas

S. 29

NE NW SE

Loc.

State Geological Survey
WICHITA BRANCH



Locate well correctly

Elev.: Gr. 1912

DF 1922

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 Csg.	12 1/4	8 5/8	24.0	454	Sun	350	2% Gel, 3% CC
Production Csg.	7 7/8	5 1/2	14.0	4277.11	Sun	100	1% CFR-2 (Common) 15/5% Salt

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
None		

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			4	D. P. JETS	3704-08
			4	D. P. JETS	3830-32
			4	D. P. JETS	3911-14
			4	D. P. JETS	3954-56

TUBING RECORD

Size	Setting depth	Pecker set at
2 7/8"	4122.75	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 Gal. 15% NE	3704-08; 3830-32; 3911-14; 3954-56

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
2/19/81		Pumping		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPS
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.

"TIGHT HOLE"

Operator W. L. KIRKMAN, INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: OIL/GAS		
Well No. 2	Lease Name STUEDER			
S <u>29</u> T <u>26</u> SR <u>12</u> ^X / _W				
WELL LOG			SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
LS - White to gray, fine X-taln, fair inter X-taln $\emptyset$, sl. chalky, fair to good show of oil & gas.	2980-	90	Bern	2975
LS - Brown, fine to med. X-taln $\emptyset$, good fluor., good odor, fair to good show of gas.	3040-	50	Howard	3043
SS - Gray, fine to med. grained, fair granular $\emptyset$, clean, good odor, fair to good show oil & gas.	3130-	72	Severy Sand	3109
LS - Cream to tan, fine X-taln, oolicastic, gilsonite, fair show oil & gas.	3690	3700	Lansing	3682
LS - Cream to tan, fine X-taln, fair X-taln $\emptyset$, scattered vug. $\emptyset$, good show oil & gas.	3861-	68	Lansing	
<u>DRILL STEM TESTS</u> Please refer to attachment. NOTE: "TIGHT HOLE -- NO INFORMATION TO BE RELEASED WITHOUT OPERATOR APPROVAL"				
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Signature L. Kristopher Moore (Geologist) Title March 12, 1981 Date			

DRILL STEM TESTS:

[STUEDER NO. 2]

~~CONFIDENTIAL~~
Released#1: HERINGTON

1891-1932 30 57 30 60 Weak blow throughout test.

IFP: 52/31

ISIP: 45

FFP: 33/31

FSIP: 133

HP: 948/948

BHT: 106°F

REC: 30' Drilling Mud.

State Geological Survey

WICHITA BRANCH

#2: INDIAN CAVE2656-90 30 60 Out Strong blow on first flow, no
gas to surface.

IFP: 193/241 ISIP: 511

HP: 1308/1381 BHT: ?

REC: 480' Muddy Water.

#3: HOWARD

3076-3110 30 60 30 60 Weak blow throughout test.

IFP: 63/89

ISIP: 349

FFP: 112/86

FSIP: 260

HP: 1557/1519 BHT: 109°F

REC: 65' Drilling Mud.

#4: SEVERY SAND3100-22 30 60 30 57 Weak increased to strong blow
on initial flow, strong blow
throughout final flow.

IFP: 95/71

ISIP: 712

FFP: 116/95

FSIP: 494

HP: 1553/1529 BHT: 110°F

REC: 540' Gas in pipe, 180' gas cut mud w/specks oil.

#5: SEVERY SAND

3138-50 30 57 35 57 Weak blow throughout test.

IFP: 76/59

ISIP: 515

FFP: 101/78

FSIP: 483

HP: 1553/1332 BHT: 110°F

REC: 170' Drilling Mud, 10' muddy water (specks oil top tool).

#6: TOPEKA

3154-72 30 60 30 60 Weak blow throughout test.

IFP: 74/57

ISIP: 793

FFP: 99/81

FSIP: 723

HP: 1553/1521 BHT: 110°F

REC: 45' Drilling Mud, 30' Water.

29-26-12w

DRILL STEM TESTS (CON'T):

[STUEDER NO. 2]

#7: LANSING "M" ZONE

3850-67 30 57 30 57 Gas to surface in one minute.

	<u>10 MIN</u>	<u>20 MIN</u>	<u>30 MIN</u>
First Flow:	1,539,000 CFG	1,539,000 CFG	1,570,000 CFG
Second Flow:	1,539,000 CFG	1,539,000 CFG	1,539,000 CFG
	IFP: 324/300	ISIP: 1163	
	FFP: 353/314	FSIP: 1163	
	HP: 1911/1911	BHT:	

REC: 75' Gassy Muddy Oil.

#8: SWOPE

3948-76 30 60 15 15 Good blow off bottom of bucket.
Gas to surface second open (too small to measure).

IFP: 67/34 ISIP: 471
FFP: 78/57 FSIP:
HP: 1954/1945 BHT:

REC: 75' Gas cut drilling mud.

#9: ARBUCKLE

4251-75 15 27 10 Out Very weak blow.

IFP: 69/55 ISIP: 1294
FFP: 103/84 FSIP:
HP: 2187/2145 BHT:

REC: 30' Drilling Mud.

#10: ARBUCKLE

4251-77 15 51 Out Very Weak Blow.

IFP: 116/91 ISIP: 1495
FFP: FSIP:
HP: 2133/2133 BHT:

REC: 75' Drilling Mud.

#11: ARBUCKLE

4252-82 30 42 30 42 Good blow off bottom of bucket.

IFP: 122/300 ISIP: 1473
FFP: 380/509 FSIP: 1468
HP: 2104/2095 BHT:

REC: 420' Gassymuddy water (slight trace of oil), 600' gassy water (slight trace of oil).