

State Geological Survey
WICHITA, BRANCH
KANSAS DRILLERS LOG

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

S. 23 T. 19 R. 21 E

Loc. ~~XXXXXX~~ C SW NE

API No. 15 — 107 — 20,553
County Number

County Linn

Operator
L. O. Tenk & C. H. Schwader

Address
Box 588 Ottawa, Kansas 66067

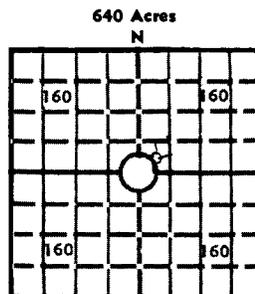
Well No. #1 Lease Name Harold Miller

Footage Location
600 feet from ~~XXX~~ (S) line 525 feet from ~~XXX~~ (W) line

Principal Contractor L. O. Tenk Geologist

Spud Date Sept 24, 1975 Total Depth 858 P.B.T.D.

Date Completed October 4, 1975 Oil Purchaser



Elev.: Gr. 1105'

DF _____ KB _____

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	95/8"	7"	28	42	Common	8	None

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 D&A 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, 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 L. O. Tenk & G. H. Schwader DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Dry

Well No. 1 Lease Name Harold Miller

S 23 T 19 R 21 E WXX

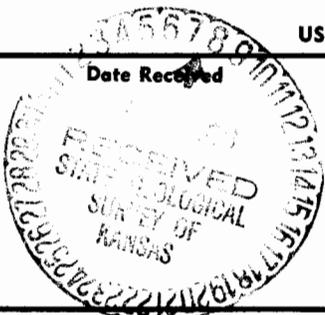
WELL LOG

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
1st Squirrel Sand	726	740	1st Squirrel	726
2nd Squirrel Sand	812	850	2nd Squirrel	812

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



Lawrence A. Tenk
 Signature
 Owner
 Title
 Date

W E L L L O G

23-19-21E

Company: L. O. Tenk & C. H. Schwader
Ottawa, Kansas

Lease: Harold Miller

Contractor: L. O. Tenk
Ottawa, Kansas

Well: #1

Location: C SW NE Sec 23-19-21E
Linn County, Kansas

Completed: October 6, 1975

Casing: 7 5/8" OD 28# set @ 42'
8 sx of cement

Total Depth: 858'

<u>Thickness</u>	<u>Formation</u>	<u>Depth</u>	<u>Thickness</u>	<u>Formation</u>	<u>Depth</u>
2	Top soil	2	2	Lime	770
2	Lime	4	6	Shale-sdy	776
3	Clay	7	4	Lime	780
5	Lime-bkn	12	14	Shale-sdy	794
18	Lime	30	8	Lime-bkn	802
36	Shale	66	6	Shale	808
34	Lime	100	4	Shale-blk	812
81	Shale	181	8	Sand-calc	820
24	Lime	205	7	Shale-sdy	824
5	Shale	210	4	Sand-shly	828
6	Lime	216	6	Shale-sdy	834
5	Shale	221	6	Shale-bkn	840
3	Shale-bkn	224	10	Sand-calc	850
4	Lime	228	8	Shale-sdy	858
46	Shale	274			
12	Lime	286			
8	Shale	294			
2	Lime	296			
4	Lime-bkn	300			
6	Lime	306			
4	Shale	310			
18	Lime	328			
10	Shale	338			
20	Lime	358			
3	Shale	361			
4	Lime	365			
2	Shale	367			
8	Lime	375			
4	Shale	379			
4	Shale-bkn	383			
4	Shale	386			
10	Shale-gry	397			
9	Sand-shly	406			
119	Shale	527			
1	Slate	528			
2	Shale	530			
9	Lime	539			
11	Shale	550			
16	Lime	566			
44	Shale	610			
3	Shale-blk	613			
13	Lime	626			
13	Shale	639			
3	Lime	642			
20	Shale	662			
7	Shale-bkn	669			
5	Lime	674			
10	Lime-sdy	684			
10	Lime	694			
4	Shale	698			
3	Lime	701			
2	Shale-drk	703			
2	Shale	705			
2	Shale-sdy	707			
11	Lime	718			
4	Shale-drk	722			
4	Lime-sdy	726			
8	Sand-tite	734			
6	Sand-shly	740			
8	Shale-sdy	748			
3	Lime	751			
17	Shale	768			

