

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

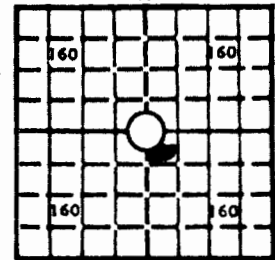
State Geological Survey WICHITA, BRANCH

S. 11 T. 14 R. 18 W

Loc. NW NW SE

County Ellis

640 Acres N



Locate well correctly 1979

Elev.: Gr.

Df 1981 KB 1984

API No. 15 — 051 County — 22,465 Number

Operator Midway Operating

Address Box 1325 Great Bend, KS 67530

Well No. 3 Lease Name Leiker

Footage Location 330 feet from (S) line 330 feet from (E) line

Principal Contractor Allen Drilling Geologist W. H. Petersen

Spud Date 6-18 Date Completed 6-24 Total Depth 3,625 P.B.T.D. -----

Directional Deviation 1° Oil and/or Gas Purchaser N.C.R.A.

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	12½	8 5/8	23	1,190	Howcco Lite & Pozmix	450	3% cc.
Production	7 7/8	4½	9½	3,624	18% Salt Pozmix	200	2% Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Jets	3,435-39

Size	Setting depth	Packer set at
2 2/8	3,450	

ACID, FRACTURE, STIMULATION GEL PERMEABILITY IMPROVEMENT RECORD

Amount and kind of material used	Depth interval treated
3,000 gal. 15% HCL Acid	3,435-39

INITIAL PRODUCTION

Date of first production November 1980	Producing method (flowing, pumping, gas lift, etc.) Pump
RATE OF PRODUCTION PER 24 HOURS	Oil 20 bbls. Gas MCF 110 bbls. Water Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval(s) LKC

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.

Operator

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

Well No.

Lease Name

S _____ T _____ R _____ E _____
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
See Geological Report				

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

Date Received

Signature

Title

Date

11-14-18W

State Geological Survey

WICHITA BRANCH

DRILLER'S WELL LOG

DATE COMMENCED: 06/18/81
DATE COMPLETED: 06/24/81

Midway Drilling, Inc.
LEIKER No. 3
SE SE NW
Sec. 11, Twp. 14S, Rge. 18W,
Ellis County, Kansas

ELEVATION: 1979' G.L.
1984' K.B.

FORMATION DATA:

1175 - 1210' Anhydrite
2949 - 3217' Lime
3217 - 3260' Shale
3260 - 3598' Lime
3598 - 3625' Dolomite
3625' RTD

Anhydrite 1175'
Topeka 2949'
Heebner 3217'
Lansing 3260'
Arbuckle 3598'
RTD 3625'

SURFACE PIPE:

Ran 29 jts, 23# new 8-5/8" casing; tally: 1183'; Set @ 1190' w/250 sks H.C.L. & 200 sks 60/40 poz, 2% c.c., no gel, did circulate, plug down 4 PM, 6/19/81 By Howco

PRODUCTION PIPE:

Ran 89 jts. used 9.5# 4 1/2" casing, tally: 3625', Set @ 3624' w/ 250 sks 60/40 poz., 2% gel, 18% salt, plug down 11:40 AM, 6/24/81, By Howco

A F F I D A V I T

STATE OF KANSAS)
COUNTY OF BARTON) ss.

Jimmy Harrell, of lawful age, does swear and state that the facts and statements herein contained are true and correct to the best

GEOLOGICAL REPORT

11-14-18W

Midway Drilling, Inc. #3 Josephine Leiker
SE SE NW, Section 11-14S-18W
Ellis County, Kansas

State Geological Survey
WICHITA, BRANCH

Contractor: Allen Drilling Co.
Rotary Commenced: June 18, 1981
Rotary Completed: June 24, 1981
Electric Log: Great Guns-Neutron, Gamma, Guard, Caliper,
Microsismo_{gram}
RTD: 3625
ETD: 3624
Elevation: 1984 KB, 1981 DF, 1979 GL
Surface Casing: 8 5/8" set at 1190
Production Casing: 4 1/2" set at 3624
Samples: Samples saved and examined from 2500 to TD
Drill Time: One foot drill time from 2500 to TD

Formation Tops

	Sample	Electric Log
Anhydrite	1175 /809	1186 /798
Base Anhydrite	1210 /774	1224 /760
Root	2731 -747	2731 -747
Stotler	2771 -787	2769 -785
Pillsbury	2795 -811	2795 -811
Tarkio	2825 -841	2821 -837
Topeka	2946 -962	2946 -962
Oread	3147 -1163	3145 -1161
Heebner	3217 -1233	3215 -1231
Toronto	3234 -1250	3232 -1248
Lansing-Kansas City	3260 -1276	3260 -1276
Base Kansas City	3498 -1514	3498 -1514
Conglomerate	3520 -1536	3520 -1536
Arbuckle	3598 -1614	3598 -1614
TD	3625 -1641	3624 -1640

Sample DescriptionRoot 2731

2731-2748 Sandstone, gray, fine grained, micaceous, spotted to solid stain. (Very poor samples, electric log indicated 35% porosity and 50% water saturation.)

Pillsbury 2795

2800-2808 Sandstone, gray, fine grained, micaceous, spotted to solid stain. (Very poor samples, electric log indicated 35% porosity and 45-47% water saturation.)