

KANSAS

PI

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

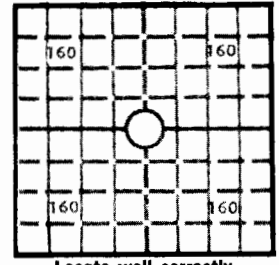
State Geological Survey
WICHITA, BRANCH

S. 9 T. 11S R. 35 W

Loc. C NW SW

County Logan

640 Acres
N



Elev.: Gr. 3315

DF _____ KB 3320

WELL COMPLETION REPORT AND
DRILLER'S LOG

API No. 15 — 109 — 20,157
County Number

Operator
Thunderbird Drilling, Inc.

Address
P.O. Box 18407- Wichita, Kansas 67218

Well No. 1 Lease Name Lowe

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

Principal Contractor Thunderbird Drilling, Inc. Geologist Paul Montoia

Spud Date 11/12/80 Date Completed 11/24/80 Total Depth 4890 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
Surface	12 1/4	8 5/8"	24#	454'	com	275	2% gel, 3% cc.

LINER RECORD

PERFORATION RECORD

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

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 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.

Operator Thunderbird Drilling, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name Lowe	Dry Hole
S 9 T11S R 35W ^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																								
DST #1 /30-45-60-60, rec. 1980' mw, FP 79-984# BHP 1315-1295#	4310	4362	<u>Sample Tops:</u> Anhydrite B/Anhydrite Topeka	2780+ 540 2808+ 512 3923- 603																								
DST #2 /30-60-30-60, rec. 30' mud, FP 53-43# BHP 1306-1178#	4569	4604	<u>LOG TOPS:</u> Heebner LKC BKC Marmaton Fort Scott Cherokee Mississippian RTD LTD	4140- 820 4178- 858 4499-1179 4524-1204 4668-1348 4701-1381 4862-1542 4890-1570 4883-1563																								
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USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	 Signature Burke Krueger
	Vice-President
	Title
	12/12/80
	Date