

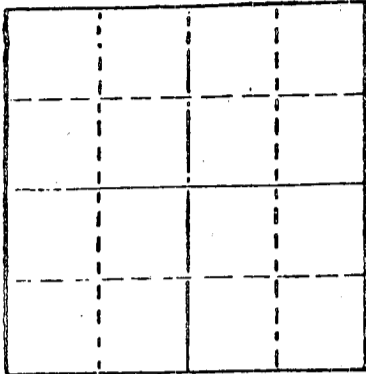
STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Comm.
245 North Water
Wichita, KS 67202

Logan County. Sec. 9 Twp. 11S Rge. 35W E/W
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines C NW SW

Lease Owner Thunderbird Drilling, Inc.
Lease Name Lowe Well No. 1
Office Address P.O. Box 18407- Wichita, Ks. 67218
Character of Well (Completed as Oil, Gas or Dry Hole) Dry Hole



Date Well completed 11/24/80 19
Application for plugging filed 11/24/80 19
Application for plugging approved 11/24/80 19
Plugging commenced 11/24/80 19
Plugging completed 11/24/80 19
Reason for abandonment of well or producing formation Dry Hole

If a producing well is abandoned, date of last production 19

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Gilbert Balthazor
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well RTD 4890
Show depth and thickness of all water, oil and gas formations.

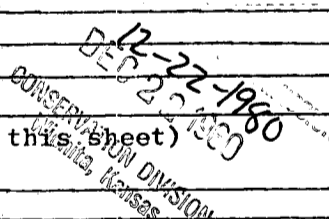
OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
	Surface	0	454'	8 5/8"	yes	no

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hold. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

1st plug @ 1500' w/70 sx
2nd plug @ 400' w/20 sx
3rd plug @ 40' w/10 sx



(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Thunderbird Drilling, Inc.

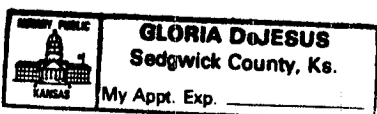
STATE OF KANSAS COUNTY OF SEDGWICK, ss.
Burke Krueger (employee of owner) or (owner or operator)
of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Burke Krueger
P.O. Box 18407- Wichita, Kansas 67218
(Address)

SUBSCRIBED AND SWORN TO before me this 12th day of December, 1980.

Gloria DeJesus
Gloria DeJesus Notary Public.

My commission expires 3-25-84



KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 - 109 - 20,157-00-00
County Number

Operator
Thunderbird Drilling, Inc.

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

Well No. 1 Lease Name Lowe

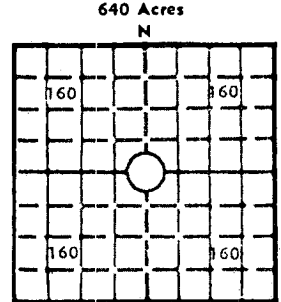
Footage Location
feet from (N) (S) line feet from (E) (W) line

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

S. 9 T. 11S R. 35 W
Loc. C NW SW
County Logan



Locate well correctly
Elev.: Gr. 3315
DF KB 3320

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 bbls.	Water MCF	Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

12-22-1980
REG 22-1980
CONSERVATION DIVISION
Wichita, Kansas

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 trans-
mitted 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 T 11S 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	2780+ 540
			B/Anhydrite	2808+ 512
			Topeka	3923- 603
DST #2 /30-60-30-60, rec. 30' mud, FP 53-43# BHP 1306-1178#	4569	4604	<u>LOG TOPS:</u> Heebner	4140- 820
			LKC	4178- 858
			BKC	4499-1179
			Marmaton	4524-1204
			Fort Scott	4668-1348
			Cherokee	4701-1381
			Mississippian	4862-1542
			RTD	4890-1570
			LTD	4883-1563
<u>From</u>	<u>To</u>	<u>Description</u>		
0	454	Surface Hole		
454	2780	Shale		
2780	2808	Anhydrite		
2808	2860	Shale		
2860	3820	Shale & Lime		
3820	4890	Lime		
4890	R.T.D.			

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

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