

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5131
Name: Thunderbird Drilling, Inc.
Address P. O. Box 780407
Wichita, KS 67278
City/State/Zip _____
Purchaser: NA
Operator Contact Person: Burke B. Krueger
Phone (316) 685-1441
Contractor: Name: same
License: _____
Wellsite Geologist: Mark A. Thompson

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
6-27-80 7-9-80 7-9-80
Spud Date Date Reached TD Completion Date

API NO. 15- 055-20,412-0000 ORIGINAL
County Finney
SW SE NW Sec. 30 Twp. 21S Rge. 29W
2970 Feet from (S)N (circle one) Line of Section
1650 Feet from E(W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (S)N (circle one)
Lease Name Hund "F" Well # 1
Field Name _____
Producing Formation None
Elevation: Ground 2688 KB 2692
Total Depth 4948 PBSD _____
Amount of Surface Pipe Set and Cemented at 389 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cat.
Drilling Fluid Management Plan _____
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____
County _____ Docket No. _____

D+A
gri
8/31/00

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Vice President Date 1-23-92
Subscribed and sworn to before me this 23rd day of January,
19 92.
Notary Public [Signature]
Date Commission Expires 4-16-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

GLENDIA FUNK
Notary Public - State of Kansas
My Appt. Expires

Operator Name Thunderbird Drilling, Inc. Lease Name Hurd "F" Well # 1

Sec. 30 Twp. 21S Rge. 29W East West County Finney

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Stone Corral	1883 + 809	
B/Stone Corral	1948 + 744	
Heebner	3824 -1132	
Lansing	3866 -1174	
BKC	4296-1604	
Pawnee	4397 -1705	
Ft. Scott	4417-1725	
Cherokee	4434 -1742	
Mississippi	4542-1850	
St. Louis	4616-1924	
LTD	4948-2256	

Gamma-Guard (Copy enclosed)
 DST #1 4332-4437/30-30-30-30. Rec. 10' mud
 DST #2 4504-64/30-30-30-30. Rec. 5' mud.

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 3/4	8 5/8	24#	389	60-40 Poz	270	3%cc 2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

KANSAS

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

WELL COMPLETION REPORT AND
DRILLER'S LOG

S. 30 T. 21 R. 29 W. ORIGINAL

API No. 15 — 055 — 20,412 — 0000
County Number

Loc. SW SE NW
County Finney

Operator
Thunderbird Drilling, Inc.

Address
P. O. Box 18407 Wichita, Kansas 67218

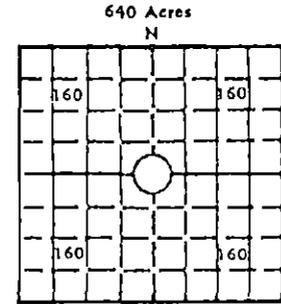
Well No. #1 Lease Name Hund "F"

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

Principal Contractor Thunderbird Drilling, Inc. Geologist Mark Thompson

Spud Date 6/27/80 Date Completed 7/9/80 Total Depth 4950 P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser



Locate well correctly
Elev.: Gr. 2687
DF KB 2692'

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 3/4	8 5/8"	24#	389'	ccm	270	2% gel, 3% cc.

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	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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

15-055-20412-0000

Operator

Thunderbird Drilling, Inc.

DESIGNATE TYPE OF COMP. OIL, GAS,
DRY HOLE, SWD, ETC.

ORIGINAL

Well No.

1

Lease Name

Hund "F"

Dry Hole

S 30 T 21S R 29W 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
			<u>LOG</u>	
DST #1 /30-30-30-30, rec. 10' mud, FP 84-84#, BHP 241-217#	4332	4337	Anhydrite	1883 + 809
			B/Anhydrite	1948 + 744
			Heebner	3824 -1132
			Lansing-KC	3866 -1174
DST #2 /30-30-30-30, rec. 5' mud, All press. 72#	4504	4564	BKC	4296- 1604
			Pawnee	4397 -1705
			Fort Scott	4417 -1725
			Cherokee	4434 -1742
			Mississippian	4542 -1850
			St. Louis	4616 -1924
			LTD	4948 -2256
			RTD	4940 -2258

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

Date Received

Signature

Title

Date