

ORIGINAL

SIDE ONE

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

City/State/Zip Wichita, KS 67278

Purchaser: _____

Operator Contact Person: Burke B. Krueger

Phone (316) 685-1441

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

01-10-90 01-18-90 1-19-90

Spud Date Date Reached TD Completion Date

API NO. 15-193-20,499-0000

County Thomas

SW SW SW Sec. 18 Twp. 10S Rge. 31 East West

330 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Schroeder Well # 1

Field Name _____

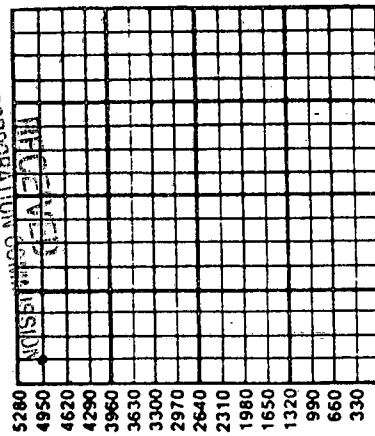
Producing Formation _____

Elevation: Ground 3007' KB 3012'

Total Depth 4650' PBDT _____

CONSERVATION DIVISION
Wichita, Kansas

FEB 8 1990



5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330



ALT II

Amount of Surface Pipe Set and Cemented at 323.50 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 cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Burke B. Krueger
Title Vice-President Date 2/7/90
7th February

Subscribed and sworn to before me this _____ day of _____
GLORIA DE JESUS
NOTARY PUBLIC
STATE OF KANSAS
Notary Public
MY APPT. EXP. _____
Date Commission Expires 3-25-92

Gloria DeJesus
Gloria DeJesus

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Schroeder Well # 1

Sec. 18 Twp. 10S Rge. 31 East West County Thomas

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.)

DST #1, 4533-4570/30-30-30-30, rec. 1'
f.o., 10' ocm (50% oil) All FP
36#, SIP 72-78#

Formation Description	
Name	Top Bottom
Anhydrite	2556+ 450
B/Anhydrite	2586+ 420
Topeka	3771- 765
Heebner	3987- 981
LKC	4032-1026
Stk	4245-1239
BKC	4308-1302
Ft Scott	4492-1486
Cher	4521-1515
Jn Zn	4560-1554

CASING RECORD New Used

Miss LTD 4592-1586 4651-1645

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 1/2"	8 5/8"	25#	323.50'	60/40poz	200	2% gel, 3% c

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	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 Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____