

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5131
name Thunderbird Drilling, Inc.
address P.O. Box 18407
Wichita, Kansas 67218
City/State/Zip

Operator Contact Person Burke Krueger
Phone (316) 685-1441

Contractor: license # 5131
name Thunderbird Drilling, Inc.

Wellsite Geologist Mark Thompson
Phone 267-2672

PURCHASER

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
7/31/84 8/8/84 8/8/84
Spud Date Date Reached TD Completion Date

3491
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 8.5/8" @ 303' feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from 0 feet depth to 303' w/ 200 SX cmt

API NO. 15-167-22,404-00-00
County Russell
C NW SW Sec 28 Twp 11S Rge 14 West

1980 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

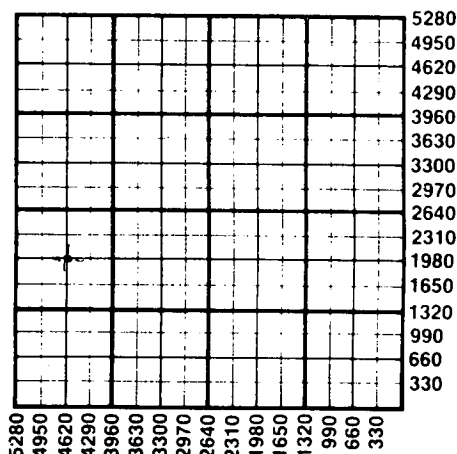
Lease Name STIELOW Well# 1

Field Name WC

Producing Formation

Elevation: Ground 1797 KB 1802

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and Ft West From Southeast Corner of Sec Twp Rge East West
 Surface Water Ft North From Southeast Corner and Ft West From Southeast Corner Sec Twp Rge East West
 Other (explain) Purchased from landowner (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 drillers time log shall be attached with this form. 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 Burke Krueger
Title Vice-President
Date 8/20/84

Subscribed and sworn to before me this 20th day of August 19 84

Notary Public Gloria DeJesus
Date Commission Expires 8-25-88

GLORIA DE JESUS
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXP.

RECEIVED
STATE CORPORATION COMMISSION
8-22-1984
AUG 22 1984
CONSERVATION DIVISION
Wichita, Kansas

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)

Sec 28 Twp 11S Rge 14W

SIDE TWO

Operator Name Thunderbird Drilling, Inc Case Name Stielow Well# 1 SEC. 28 TWP. 11S RGE. 14W East West

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1, 2911-3000/30-45-60-45, rec. 140' mw, FP 98-139#, BHP 1119-1053#
 DST #2, 2993-3036/30-30-30-30, rec. 10' mud, FP 49-49#, BHP 147-137#
 DST #3, 3021-3081/30-45-60-45, rec. 575' mw, FP 114-360#, BHP 872-855#
 DST #4, 3072-3123/30-45-60-45, rec. 650' msw, tr oil, FP 131-368#, BHP 872-847#
 DST #5, 3152-3283/30-45-60-45, rec. 160' sgcwm, FP 114-164#, BHP 1021-988#

Name	Top	Bottom
Anhydrite	883+	930
B/Anhydrite	923+	879
Topeka	2705-	903
Heebner	2961-	1159
LKC	3015-	1213
BKC	3287-	1485
Arbuckle	3487-	1685
RTD	3491-	1689

Description	From	To
Surface hole	0	303
Shale	303	882
Anhydrite	882	923
Shale	923	1610
Shale & Lime	1610	1708
Shale	1708	1915
Shale & Lime	1915	2750
Lime	2750	3491
R.T.D.	3491	

No log run

CASING RECORD <input checked="" 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 1/4"	8 5/8"	24#	303'	com	200	2% gel, 3% cc.
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				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify)

PRODUCTION INTERVAL: Dually Completed. Commingled