

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

Purchaser

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

Contractor: License # 5131
Name Thunderbird Drilling, Inc.

Wellsite Geologist Stanton Cox
Phone (316) 684-4144

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
4/15/85 4/26/85 5/9/85
Spud Date Date Reached TD Completion Date
5010
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 388 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 388' w/.275" SX cmt

API NO. 15-093-20,816:0000

County Kearny

C. NW. SE. Sec. 21. Twp. 21S Rge. 35 East West

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

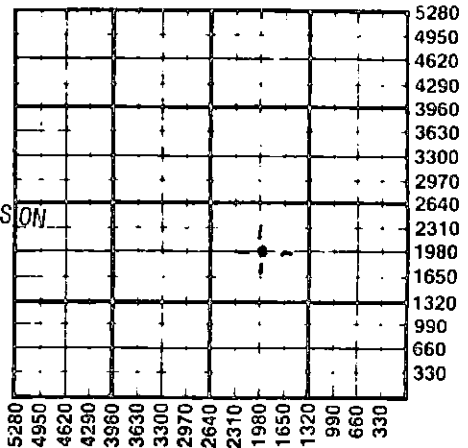
Lease Name WINGATE Well # 1

Field Name

Producing Formation

Elevation: Ground 3147 KB 3152'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

Other (explain) Purchased from Larry Graham (purchased from city, R.W.D. #)

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. Rule 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 5/17/85

Subscribed and sworn to before me this 17th day of May 1985.
Notary Public Gloria DeJesus

Date Commission Expires 3-25-88

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

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

Sec 21 Twp 21S Rge 35W

SIDE TWO

Operator Name Thunderbird Drilling Inc. Lease Name Wingate Well # 1

Sec. 21 Twp. 21S Rge. 35 East West County Kearny

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

Description	From	To	Name	Top	Bottom
Surface hole	0	388	Anhydrite	2189+	963
Shale	388	1032	B/Anhydrite	2204+	948
Sand	1032	1310	Topeka	3623-	471
Shale	1310	1368	Heebner	3914-	762
Blaine	1368	1396	Toronto	3943-	791
Shale	1396	1510	Lansing-KC	3976-	824
Sand	1510	1616	Base Kansas City	4420-	1268
Shale	1616	2325	Marmaton	4444-	1292
Shale & Sand	2325	2505	Cherokee	4592-	1440
Anhydrite	2505	2545	Morrow	4810-	1658
Shale & Shells	2545	2575	Miss (St. Gen)	4874-	1722
Shale	2575	3060	Miss (St. L)	4940-	1788
Shale & Lime	3060	3275	RTD	4010-	1858
Lime & Shale	3275	3665	LTD	5016-	1864
Shale & Lime	3665	4015			
Lime	4015	5010			
R.T.D.	5010				

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 1/8"	24#	388'	com	275	2% gel, 3% cc
Production	"	4 1/2"	14#	4597'		125	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	4458-4464			500 M.A. 2500 gal. 15% NF		4458-4464	
TUBING RECORD							
Size	Set At	Packer at	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) Temp. Abdn.						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) T.A.
 Used on Lease Dually Completed
 Commingled

WINGATE #1
C NW SE, Sec. 21-21S-35W
Kearny County, KS

Attachment to ACO-1

- DST #1, 4378-4410/30-55-60-45, rec. 2550' sul. wtr. FP 114-1106#, BHP
1186-1181#
- DST #2, 4443-4470/30-45-60-45, rec. 360' gip, 90' cgo, 120' mco, 35' hocm, FP
18-98#, BHP 660-590#
- DST #3, 4534-4557/30-30-30-30, rec. 10' m, FP 17-17#, BHP 49-59#
- DST #4, 4560-91/30-45-60-45, rec. 60' ocmw, 950' sw, FP 59-433#, BHP 521-521#

RECEIVED
STATE CORPORATION COMMISSION

JUN 18 1985

CONSERVATION DIVISION
Wichita, Kansas