

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 780407  
City/State/Zip Wichita, KS 67278

Purchaser.....

Operator Contact Person Burke Krueger  
Phone 316 685-1441

Contractor: License # 5145  
Name Dreiling Oil, Inc.

Wellsite Geologist Steve Parker  
Phone (316) 263-5172

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

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

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
6-10-87 6-17-87 6-24-87  
Spud Date Date Reached TD Completion Date  
3825'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 418 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated from 0 feet depth to 418 w/ 225 SX cmt  
Cement Company Name Allied Cementing  
Invoice # 48941

API NO. 15-065-22-386-00-00  
County Graham  
W/2 SW NE Sec. 2 Twp. 7 Rge. 21 West

3300 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

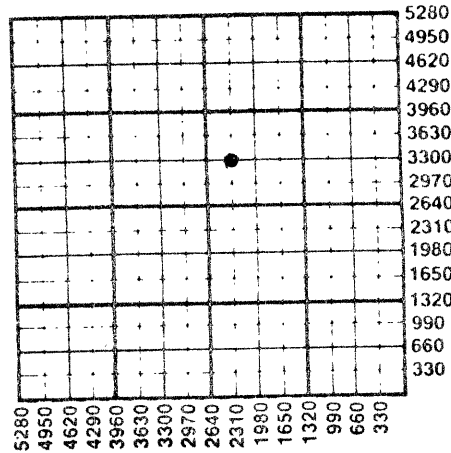
Lease Name Holzman Well # 1

Field Name.....

Producing Formation.....

Elevation: Ground 2225' KB 2230'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

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

X Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner NE/4 Sec 17 Twp 7 Rge 20 East West Rooks County

Other (explain)..... (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 [Signature]  
Title Vice-President Date 6-26-87

Subscribed and sworn to before me this 26th day of June 1987  
Notary Public Gloria De Jesus  
Date Commission Expires 3-25-88

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

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 RECEIVED Other  
STATE CORPORATION COMMISSION (Specify)  
JUN 29 1987  
Form ACO-1A (17-84) DIVISION  
Wichita, Kansas

Sec. 2, Twp. 7, Rge. 21 W

SIDE TWO

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

Sec. 2 Twp. 7 Rge. 21  East  West County Graham

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			
Cores Taken	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
D.S.T. #1	3352' to 3390'		Name	Top	Bottom
	38' anchor		Anhydrite	1848+	382
	30-30-30-30		B/Anhydrite	1881+	349
	Rec. 650' muddy water		Topeka	3218-	980
	IF 73-164 FF 219-293		Heebner	3426-	1196
	ISI 1064 FSI 1045		Toronto	3448-	1218
D.S.T. #2	3394' to 3417'		LKC	3460-	1230
	23' anchor		BKC	3656-	1426
	15-30-15-30		Arbuckle	3724-	1494
	Rec. 5' mud		RTD	3825-	1595
	IF 39-39 FF 39-39		LTD	3826-	1596
	ISI 1149 FSI 1149				
D.S.T. #3	3411' to 3456'				
	45' anchor				
	30-30-15-30				
	Rec. 40' mud w/specks of oil				
	IF 54-64 FF 64-64				
	ISI 1073 FSI 926				
D.S.T. #4	3455' to 3480'				

(continued on attached sheet)

<p align="center"><b>CASING RECORD</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Used</p> <p align="center">Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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 Pipe	12 1/4"	8 5/8"	.....	418	60/40 poz	225	2%gel, 3%cc
Production	7 7/8"	4 1/2"	.....	1787	60/40 poz	150	.....
<p align="center"><b>PERFORATION RECORD</b></p>				<p align="center"><b>Acid, Fracture, Shot, Cement Squeeze Record</b></p>			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used		Depth	
1	1495-1550 & 1390-1480			.....		.....	
<p align="center"><b>TUBING RECORD</b></p>				<p align="center">Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
Size	Set At	Packer at					
2 3/8"	1370	1371					
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			

METHOD OF COMPLETION

Production Interval

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

D.S.T. #4 3455' to 3480'  
25' anchor  
15-30-15-30  
Rec. 5' mud w/show of oil  
IF 36-36 FF 36-36  
ISI 64 FSI 36

D.S.T. #5 3505' to 3520'  
15' anchor  
30-30-30-30  
Rec. 720' muddy water  
IF 54-155 FF 219-320  
ISI 954 FSI 908

D.S.T. #6 3522' to 3544'  
22' anchor  
30-30-30-30  
Rec. 3' oil, 120' of SOCM  
IF 45-64 FF 73-91  
ISI 1082 FSI 1036

D.S.T. #7 3566' to 3630'  
64' anchor  
15-30-30-30  
Rec. 40' OCM  
IF 73-73 FF 82-82  
ISI 1073 FSI 853

STATE OF KANSAS  
STATE CORRELATION DEPARTMENT

JUN 29 1987

CONSERVATION DIVISION  
Wichita, Kansas