

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
City/State/Zip Wichita, KS 67218

Purchaser

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

Contractor: License # 5131
Name Thunderbird Drilling, Inc.

Wellsite Geologist Mark Thompson
Phone (316) 267-2672

Designate Type of Completion

New Well Re-Entry Workover

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

12/11/84 12/19/84 12/19/84
Spud Date Date Reached TD Completion Date

4000
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 245 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 245' w/ 165 SX cmt

API NO. 15-065-22,116
County Graham
S/2 S/2 SE Sec. 34 Twp. 9S Rge. 22W East West

330 Ft North from Southeast Corner of Section
1320 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

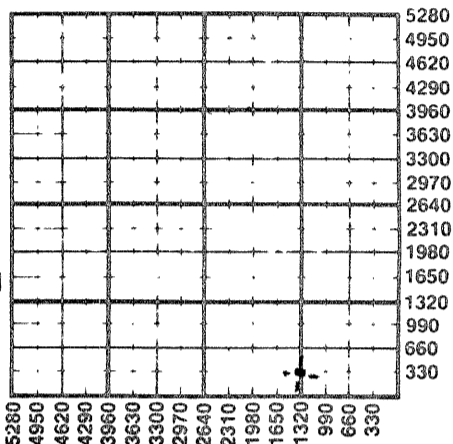
Lease Name RECH Well # 1

Field Name WC

Producing Formation

Elevation: Ground 2348 KB 2353

Section Plat



RECEIVED

STATE CORPORATION COMMISSION

FEB 21 1985

CONSERVATION DIVISION
Wichita, Kansas

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 Leroy Rudman (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 2/4/85

Subscribed and sworn to before me this 4th day of February 1985

Notary Public Gloria DeJesus
Gloria DeJesus

Date Commission Expires 3-25-88

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)

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

2-21-85

sec 34 Twp 9 Rge 22W

SIDE TWO

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

Sec. 34 Twp. 9S Rge. 22 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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1, 3516-3530/30-45-30-45, rec. 810' mw, FP 58-368#, BHP 1184-1174#
 DST #2, 3585-3615/30-45-30-45, rec. 270' mw, FP 38-126#, BHP 895-876#
 DST #3, 3617-3660/30-45-30-45, rec. 525' mw, FP 48-252#, BHP 407-397#
 DST #4, 3659-3690/30-30-30-30, rec. 70' mud, FP 29-58#, BHP 446-436#
 DST #5, 3720-3790/30-45-30-45, rec. 480' gip, 235' o&gcm (45% oil), FP 48-117#, BHP 438-438#
 DST #6, 3783-3825/30-45-30-45, rec. 5' osm, FP 28-28#, BHP 896-848#

| Name | Top | Bottom |
|-------------|-------|--------|
| Anhydrite | 1850+ | 503 |
| B/Anhydrite | 1855+ | 463 |
| Heebner | 3550 | 1197 |
| LKC | 3585 | 1232 |
| BKC | 3817 | 1464 |
| Arbuckle | 3968 | 1615 |
| LTD | 3995 | 1642 |
| RTD | 4000 | 1647 |

| Description | Top | Bottom |
|-----------------|------|--------|
| Surface hole | 0 | 245 |
| Sand & Shale | 245 | 505 |
| Shale | 505 | 1365 |
| Sand | 1365 | 1595 |
| Shale | 1595 | 1605 |
| Shale & Red bed | 1605 | 1850 |
| Anhydrite | 1850 | 1890 |

| 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# | 245' | com | 165 | 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 | | | |

METHOD OF COMPLETION

Production Interval

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

Formation Description

| | | |
|--------------------------|------|------|
| Shale | 1890 | 2595 |
| Shale & Lime | 2595 | 2790 |
| Shale & lm strks | 2790 | 3022 |
| Shale & Lime | 3022 | 3190 |
| Lime & Shale | 3190 | 3355 |
| Lime & strks of Shale | 3355 | 3490 |
| Lime | 3490 | 4000 |
| R.T.D. | 4000 | |

RECEIVED
STATE CORPORATION COMMISSION

FEB 21 1985

CONSERVATION DIVISION
Wichita, Kansas