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. Kruger
Phone (316): 685-1441
Contractor: Name: Abercrombie Drilling, Inc.
License: 5422
Wellsite Geologist:
Designate Type of Completion: New Well
Re-Entry
Workover
Oil
SWD
Gas
Inj
Delayed Comp.
X Dry
Other (Core, Water Supply): N/A

If N/A: old well info as follows:
Operator: N/A
Well Name: N/A
Comp. Date: Old Total Depth
Drilling Method: X Mud Rotary
Air Rotary
Cable
Spud Date: 12-12-90
Date Reached TD 12-19-90
Completion Date

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 correct and correct to the best of my knowledge.

Signature: Burke B. Kruger
Title: Vice President
Date 11-11-91
Subscribed and sworn to before me this 11th day of November, 19 91.
Notary Public
Date Commission Expires 4-16-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
KCC SUD/Rep NGPA
KGS Plug Other
(Specify)

Form ACO-1 (7-89)
Operator Name: Thunderbird Drilling, Inc.  Lease Name: Michel  Well #: 1

Sec. 31  Twp. 15  Rge. 32  County:Rawlins  

Instruct: 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 (Attach Additional Sheets.)

Yes  No

Samples Sent to Geological Survey

Yes  No

Cores Taken

Yes  No

Electric Log Run (Submit Copy.)

Yes  No

Formation Description

Log  Sample

Name

Top  Bottom

SEE ATTACHED

Casing Record

New  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  12½"  8 5/8"  28#  333'  60-40 pozmix  230  3%cc 2%gel

Perforation Record

Shots Per Foot  Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record  (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

Vent  Sold  Used on Lease (If vented, submit ACO-18.)

Other (Specify) ____________________

Method of Completion

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) ____________________
#1 MICHEL

SW SW Sec. 31-1S-32W
Rawlins County, KS
Abercrombie Drilling - Contractor

<table>
<thead>
<tr>
<th>TOPS</th>
<th>Sample</th>
<th>Log</th>
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<tbody>
<tr>
<td>AN</td>
<td>2859 + 189</td>
<td>2858 + 189</td>
</tr>
<tr>
<td>R/A/N</td>
<td>2887 + 159</td>
<td>2898 + 149</td>
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<tr>
<td>Hb</td>
<td>3982-935</td>
<td>3973-936</td>
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<tr>
<td>LKc</td>
<td>4015-969+2'</td>
<td>4016-969</td>
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<tr>
<td>RTD</td>
<td>4290-1243</td>
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12/13 Spud 3:45 p.m. 12/13 90 SUF 8' 7/8" 0.733' 4'/230 5x 60-40 pga, P.D. 11:00 p.m.

12/14 P 2600
12/15 P 3221

12/16 DST #15 (Core, 3975-3984'/30-60:45-60
Gc 935' SW. 1EP 60-300' FEP 335-527'
RHP 1273-1263'

12/17 DST #2 (8 & 6 gpm) 4028-4120'/30-60:45-60
Gc 601'01" 85.0'cm (109.81') 1EP 50-60, FEP 76-81'
RHP 84B-617'

12/18 DST #3 4/18-4220'/45-45:45-45 (DIE 300"
Gc 70'0"mod with swe 0' 1EP 20-20' FEP 30-30'
RHP 110'-1075'

12/19 RTD 4290' Log, DFA
25K @ 2875' 100'x 0 21.5'80'x 0 38.5'10'x 0 40' 60-40 pga

(STATE CORPORATION COMMISSION
Nov 12 1991

Contribution in Division
Wichita Kansas
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<tr>
<th>PRICE REF. NO.</th>
<th>DESCRIPTION</th>
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**INVOICE SUBTOTAL**

**AMOUNT**

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<th><strong>DISCOUNT</strong>-(BID)</th>
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<td><strong>INVOICE BID AMOUNT</strong></td>
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* KANSAS STATE SALES TAX
* DECATUR COUNTY SALES TAX

**RECEIVED**
STATE CORPORATION COMMISSION

**NOV 12 1991**
CONSERVATION DIVISION
Wichita, Kansas

**INVOICE TOTAL - PLEASE PAY THIS AMOUNT**

$2,201.09