**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 # .................................. 7276
Name ..................................................ҡ. Black Diamond Oil, Inc.
Address .................................................. PO Box 301, Suite A
City/State/Zip ........................................... Hays, KS 67601
Purchaser .............................................. Koch Oil Company
Name .................................................. Wichita, KS 67202
Operator Contact Person .............................. Kenneth Vehige
Phone .................................................. (913) 622-5881
Contractor: License # .................................. 9207
Name .................................................. B.L. DRILLING CO.
Wellsite Geologist .................................... W. N. TAYLOR
Phone .................................................. 913-539-8884

Designate Type of Completion

[X] New Well
[ ] Re-Entry
[ ] Workover
[ ] Oil
[ ] Gas
[ ] SMD
[ ] Temp Abd
[ ] Inj
[ ] Delayed Comp.
[ ] DRY
[ ] Other (Core, Water Supply etc.)

If OLD: old well info as follows:

Operator ___________________________ Well Name ___________________________
Comp. Date _________________________ Old Total Depth ________________

**WELL HISTORY**

Drilling Method:

[X] Mud Rotary
[ ] Air Rotary
[ ] Cable

9-24-85 .... 9-29-85 .... 10-27-85
Spud Date Date Reached TD Completion Date

366' .... 366'3"
Total Depth PTD

Amount of Surface Pipe Set and Cemented at TD feet

Multiple Stage Cementing Collar Used? [X] Yes [ ] No

If yes, show depth set ... 1800 feet

If alternate 2 completions, cement circulated from ... 1800' feet depth TD

5700' Vertical, 3000' lateral

WATER SUPPLY INFORMATION

Disposition of Produced Water:

[ ] Disposal
[ ] Repressing

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3171

Source of Water: KELLER TANK SERVICE
Division of Water Resources Permit #

[ ] Groundwater .... Ft North from Southeast Corner (Well) .... Ft West from Southeast Corner of Sec Twp A Rge W
[ ] Surface Water ... Ft North from Southeast Corner (Stream, pond etc.) .... Ft West ... on Southeast Corner Sec Twp A Rge W

[ ] 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 82-3-150 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 driller's time log shall be attached to 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 ..............................................
Title .................................................. President
Date .................................................. 12-30-85

Notary Public

Subscribed and sworn to before me this 30th day of

Notary Public

Attestation Expires: 2-11-89

**K.C.C. OFFICE USE ONLY**

F Letter of Confidentiality Attached
G Wireline Log Received
G Driller's Time Log Received

Distribution

KCC [ ] SMD/Rep [ ] NOPA
G [ ] Plug [ ] Other

Specified

MAR 5 1989

CONSERVATION DIVISION

Wichita, Kansas

3-8-84

Form ACO-1 (7-84)
**WELL LOG**

**Drill Stem Tests Taken**
- Yes [ ]
- No [ ]

**Samples Sent to Geological Survey**
- Yes [ ]
- No [ ]

**Cores Taken**
- Yes [ ]
- No [ ]

**Formation Description**
- Name
- Log [ ]
- Sample [ ]
- Top
- Bottom

<table>
<thead>
<tr>
<th>Name</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
<td>1809'</td>
<td>1841'</td>
</tr>
<tr>
<td>Topeka Lime</td>
<td>3208'</td>
<td>-985'</td>
</tr>
<tr>
<td>Heebner Shale</td>
<td>3414'</td>
<td>-1191'</td>
</tr>
<tr>
<td>Toronto Limestone</td>
<td>3438'</td>
<td>-1215'</td>
</tr>
<tr>
<td>Lansing-K.C.</td>
<td>3451'</td>
<td>-1228'</td>
</tr>
<tr>
<td>Bs.-K.C.</td>
<td>3645'</td>
<td>-1422'</td>
</tr>
<tr>
<td>Arbuckle</td>
<td>3687'</td>
<td>-1464'</td>
</tr>
<tr>
<td>RTD</td>
<td>3694'</td>
<td>-1471'</td>
</tr>
<tr>
<td>LTD</td>
<td>3793'</td>
<td>-1470'</td>
</tr>
</tbody>
</table>

**DST #1**

**Interval Tested:** 3478'-3520'

**Times:** 30-30-30-30

**Recovery:** 20' of drilling mud w/ a few drops of oil on top of the test tool.

**SIP:** 896-831 PSI.

**FP:** 33-22 & 33-33 PSI.

**DST #2**

**Interval Tested:** 3587'-3642'

**Times:** 45-45-45-45

**Recovery:** 540' of gas in pipe, 240' of oil.

**SIP:** 1091-1047 PSI.

**FP:** 44-55 & 99-110 PSI

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**Casing Record**
- Type and Purpose of String
  - Surface
  - Production

**Size Hole**
- 8 1/2

**Size Casing**
- 8 5/8

**Weight**
- 24

**Setting Depth**
- 209.3

**Cement Type**
- 80/40 Portland

**Additives**
- ZGel

**Perforation Record**
- Shots Per Foot
- Specify Footage of Each Interval Perforated

**Acid, Fracture, Shot, Cement Squeeze Record**
- (Amount and Kind of Material Used)

**Tubing Record**
- Size
- Set At
- Packer at
- Linear Run

**Date of First Production**
- 10/28/85

**Producing Method**
- Flowing [ ]
- Pumping [ ]
- Gas Lift [ ]
- Other (explain) [ ]

**Estimated Production Per 24 Hours**
- Oil
- Gas
- Water
- Gas-Oil Ratio
- Gravity

**Disposition of gas**
- X Vented
- Sold [ ]
- Used on Lease [ ]

**Completion Method**
- Perforation [ ]
- Other (Specify) [ ]

**Production Interval**
- Dual Stage Completed [ ]
- Conventional [ ]

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**Operator Name:** Black Diamond Oil, Inc. **Lease Name:** M. Lewis **Well #:**

**Sec.:** 33 **Twp.:** 6 **Rge.:** 20 **County:** Rooks **Direction:** East **Well Is:**