AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt.____

DOCKET NO. NP____

(Rules 82-3-130 and 82-3-107)

This form shall be filed with the Kansas Corporation Commission, 200 Colorado
Derby Building, Wichita, Kansas 67202, within ninety (90) days after the
completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS
REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

Letter requesting confidentiality attached.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log,
gamma ray neutron log etc.)***Check here if NO logs were run____

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION
LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 7076 EXPRIATION DATE 6/30/85

API NO. 15-163-22-310 0 0 0
COUNTY Rooks

FIELD Todd SE

PROD. FORMATION Lansing-Kc.
LEASE Sammons

WELL NO. 1
WELL LOCATION C-W/2-NW-NE

260 Ft. from North Line and
2310 Ft. from East Line of
the NE (Qtr.) SEC 32 TWP 6S RGE 20 (W

PLUGGING CONTRACTOR
ADDRESS

TOTAL DEPTH 3758' PBTD 3680

SPUD DATE 3/23/84 DATE COMPLETED 3/29/84

ELEV: CR 2233' DF 2236' KB 2238'

DRILLED WITH (CABLE) ROTARY (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR PRESSURIZING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 258' DV Tool Used?

TYPE OF COMPLETION THIS AFFIDAVIT APPLIES TO: (Circle ONE) ___ Shut-in Gas, Gas,
Dry. Disposal, Injection, Temporarily Abandoned. If NWGO, indicate type of re-
completion ________ Other completion ________ NGPA filing

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL
AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Kenneth Vehige, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The
statements and allegations contained therein are true and correct.

(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 29th day of June
1984.

Robin K. McDowell
NOTARY PUBLIC
State of Kansas
My Appointment Expires 8-31-87

STATE CONSERVATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

** The person who can be reached by phone regarding questions concerning this
information.

- 5 -
**ACO-1 Well History**

**Operator**: Black Diamond Oil, Inc.  
**Lease Name**: Sammons  
**Sec**: 32 Twp 6  Rge 20

**Well Information As Required:**
- Show geological markers, logs, run, or other descriptive information.
- Show all important zones of porosity and content thereof, cored intervals, and all drill-stem tests, including depth intervals tested, cushion used, and shut-in pressures, and recoveries.

**Formation Description, Contents, etc.**

<table>
<thead>
<tr>
<th>Top</th>
<th>Bottom</th>
<th>Name</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0 to 690 Sand and Shale</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>690 to 1835 Sand and Shale</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1835 to 1870 Anhydrite</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1870 to 2891 Lime and Shale</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2891 to 3466 Lime and Shale</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3466 to 3758 Lime and Shale RTD</td>
<td></td>
</tr>
<tr>
<td>Topeka Limestone</td>
<td></td>
<td>3227'</td>
<td></td>
</tr>
<tr>
<td>Heenber Shale</td>
<td></td>
<td>3433'</td>
<td></td>
</tr>
<tr>
<td>Toronto Limestone</td>
<td></td>
<td>3456'</td>
<td></td>
</tr>
<tr>
<td>Lansing-K.C.</td>
<td></td>
<td>3470'</td>
<td></td>
</tr>
<tr>
<td>Base of K.C.</td>
<td></td>
<td>3667'</td>
<td></td>
</tr>
<tr>
<td>Arbuckle</td>
<td></td>
<td>3701'</td>
<td></td>
</tr>
<tr>
<td>RTD</td>
<td></td>
<td>3758'</td>
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</table>

If additional space is needed use Page 2

**Casing Record**

<table>
<thead>
<tr>
<th>Purpose of string</th>
<th>Size hole drilled</th>
<th>Size casing set in O.D.</th>
<th>Weight lbs/ft</th>
<th>Setting depth</th>
<th>Type cement</th>
<th>Sacks</th>
<th>Type and percent additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12½</td>
<td>8 5/8</td>
<td>24 1b</td>
<td>258'</td>
<td>common quick set</td>
<td>160</td>
<td></td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8</td>
<td>5½</td>
<td>14 1b</td>
<td>3757'</td>
<td>60/40 poz</td>
<td>175</td>
<td>10% salt, 5% glisoneit, 2%</td>
</tr>
</tbody>
</table>

**Liner Record**

<table>
<thead>
<tr>
<th>Top, ft.</th>
<th>Bottom, ft.</th>
<th>Sacks cement</th>
<th>Shots per ft</th>
<th>Size &amp; type</th>
<th>Depth interval</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>JET 3620,3635,3656</td>
</tr>
<tr>
<td>TUBING RECORD</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>JET 3708-13,3633-37</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>3617-21,3655-57</td>
</tr>
</tbody>
</table>

**Perforation Record**

**Acid, Fracture, Shot, Cement Squeeze Record**

- Amount and kind of material used: Depth interval treated
  - treat w/1250 gals. 15% mud: 3620 & 3635 & 3656
  - retreat w/4500 gals. 15% demulsion & acid gelling agent

**Date of first production**: 4/16/84  
**Producing Method**: Pumping

**Production**:
- Oil: 40 Mbls.  
- Gas: 10 MCF  
- Water: 10%  
- Gas-oil ratio: 393

**Perforations**

<table>
<thead>
<tr>
<th>Depth interval treated</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3620 &amp; 3635 &amp; 3656</td>
<td>39°</td>
</tr>
</tbody>
</table>

**Disposal of gas (treated, used on lease or sold):**
DRILL STEM TESTS

# 1)
Interval Tested: 3440' to 3466'. Toronto.
Times: 30-45
Blow: Weak, dead in 30 minutes on first open. No blow on second open.
Recovery: 15' of oil-spotted mud, with a show of free oil in the tool.
Shut-in Pressures: 1184.

# 2)
Interval Tested: 3516' to 3536'. L-KG "D" Zone.
Times: 30-45-10.
Blow: Very weak, dead in 15 minutes on first open. No blow on second open.
Recovery: 3' of oil-cut mud, with a good show of clean oil in the tool.
Shut-in Pressures: 39.

# 3)
Interval Tested: 3610' to 3644'. L-KG "I" & "J" Zones.
Times: 15-30-45-30.
Blow: Off the bottom of a 15" bucket in 3 minutes on the first open, and off bottom
in 1 minute on the second open.
Recovery: 1200' of gas in the pipe, 1650' of clean, gassy oil.
Shut-in Pressures: 1126-1077.