API No. 15-163-23,121 - 06-00

County: Rooks

R.

SE NE NW Sec. 19 Twp. 7S Rge. 78 x East

4290 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section

( NOTE: Locate well in section plat below.)

Lease Name: Wehrli

Well #:

Field Name:

Producing Formation: Arbuckle

Elevation: Ground: 1757' KB 1762'

Total Depth: 3269'

PBTD

5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330

13-5/8" 111'

Amount of Surface Pipe Set and Cemented at 8-5/8" 1216 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set 

If Alternate II completion, cement circulated from 

feet depth to 

w/

sx cmnt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado West Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-109 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 complete and correct to the best of my knowledge.

Signature: Kenneth Vehige
Title: Owner/Operator
Date: 1/15/91

Subscribed and sworn to before me this 15th day of Jan., 1991.

Notary Public: Jolene H. Klaus
Date Commission Expires: 2/5/94

K.C.C. OFFICE USE ONLY

Distribution:

F Letter of Confidentiality Attached
C Well Log Received
C Driller's Time Log Received

KCC SMD/Rep NGPA KGS Plug Other

(Specify)

Form ACO-1 (7-89)
### SIDE TWO

Operator Name: Black Diamond Oil, Inc.  
Lease Name: Wehrli  
Well #: 1  
Sec. 19 Twp. 7S Rge. 18  
County: Rooks

**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: [X] Yes  [ ] No  
  (Attach Additional Sheets.) test tickets attached
- Samples Sent to Geological Survey:  [X] Yes  [ ] No
- Cores Taken:  [X] Yes  [ ] No
- Electric Log Run:  [X] Yes  [ ] No

### Formation Description

- Name: Log
  - Anhydrite: 1211
  - Topeka: 2701
  - Heebner: 2911
  - Lansing-K.C.: 2955
  - Arbuckle: 3250
  - R.T.D.: 3261
  - DDTD: 3269

### CASING RECORD

- [ ] New  [ ] Used

**Report all strings set-conductor, surface, intermediate, production, etc.**

<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 of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor</td>
<td>17 1/4&quot;</td>
<td>13 3/8&quot;</td>
<td>N/A</td>
<td>111</td>
<td>60/40Poz</td>
<td>100</td>
<td>2%Gel, 3%CC</td>
</tr>
<tr>
<td>Surface</td>
<td>12 1/4&quot;</td>
<td>8 5/8&quot;</td>
<td>N/A</td>
<td>1216</td>
<td>60/40Poz</td>
<td>425</td>
<td></td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>14#</td>
<td>3250</td>
<td>Com.</td>
<td>190</td>
<td>10% Salt</td>
</tr>
</tbody>
</table>

### PERFORATION RECORD

- Shots Per Foot  
- Specify Footage of Each Interval Perforated  
- None

### TUBING RECORD

- Size: 2 7/8"
- Set At: 3265'
- Packer At: None
- Liner Run:  [X] Yes  [ ] No

<table>
<thead>
<tr>
<th>Date of First Production</th>
<th>Producing Method</th>
<th>[ ] Flowing  [X] Pumping  [ ] Gas Lift  [ ] Other (Explain)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Est. 1/18/91</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Estimated Production Per 24 Hours</th>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Disposition of Gas:

- [ ] Vented  [ ] Sold  [ ] Used on Lease  
  (If vented, submit ACO-18.)

### METHOD OF COMPLETION

- [X] Open Hole  [ ] Perforation  [ ] Dually Completed  [ ] Commingled  
- [ ] Other (Specify)  

Production Interval
**DIAMOND TESTING**  
P. O. Box 157  
HOISINGTON, KANSAS 67544  
(316) 653-7550  

**DRILL-STEM TEST TICKET**

<table>
<thead>
<tr>
<th>Company</th>
<th>BLACK DIAMOND OIL</th>
<th>Lease &amp; Well No.</th>
<th>W-1171 #1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
<td>EMPHASIS OIL K.C.</td>
<td>Charge to</td>
<td>BLACK DIAMOND OIL</td>
</tr>
<tr>
<td>Elevation</td>
<td>K.C.</td>
<td>Effective Pay</td>
<td>5 ft.</td>
</tr>
<tr>
<td>Ticket No.</td>
<td>J818</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>6/24/69</td>
<td>Sec. 19</td>
<td>Twp. 2 S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Range 19 W</td>
<td>County PAUS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>State</td>
<td>KANSAS</td>
</tr>
<tr>
<td>Test Approved By</td>
<td>D. T.</td>
<td>Diamond</td>
<td>Representative</td>
</tr>
</tbody>
</table>

**Formation Test No.** 1  
Interval Tested from 2919 ft. to 3020 ft.  
Total Depth 3020 ft.

<table>
<thead>
<tr>
<th>Packer Depth</th>
<th>3014 ft.</th>
<th>Size 6 3/4 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packer Depth</td>
<td>3018 ft.</td>
<td>Size 6 3/4 in.</td>
</tr>
</tbody>
</table>

**Depth of Selective Zone Set**

<table>
<thead>
<tr>
<th>Top Recorder Depth (Inside)</th>
<th>3062 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom Recorder Depth (Outside)</td>
<td>3067 ft.</td>
</tr>
<tr>
<td>Below Straddle Recorder Depth</td>
<td>ft.</td>
</tr>
</tbody>
</table>

**Mud Type** 3 A 40  
**Viscosity** 40  
**Weight** 9.4  
**Water Loss** 7 cc.  
**Chlorides** 86,000 P.P.M.  
**Type** BOWEN  
**Serial Number** NOT SHOWN  
**Well Flow** NO  
**Reversed Out** NO  
**Main Hole Size** 7 7/8 in.  
**Tool Joint Size** 4 1/2 in.  
**Surface Choke Size** 1 in.  
**Bottom Choke Size** 5 8/ in.

**Blow: 1st Flow:** GOOD BLOW (BUILT TO 6")  
**2nd Flow:** WEAK BLOW (1")

**Recovered** 50 ft. of slow cut mud  
**Recovered** 120 ft. of very slighty oil cut mud  
**Recovered** ft. of  
**Recovered** ft. of  
**Recovered** ft. of  
**Remarks:** TOTAL FLUID R.C. 170°

<table>
<thead>
<tr>
<th>Price Job</th>
<th>Other Charges</th>
<th>Insurance</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Time Set Packer(s)</th>
<th>10:32 A.M.</th>
<th>Time Started Off Bottom</th>
<th>1:47 P.M.</th>
<th>Maximum Temperature</th>
<th>104°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Hydrostatic Pressure</td>
<td>(A) 1596 P.S.I.</td>
<td>(B) 96 P.S.I. to (C) 140 P.S.I.</td>
<td>(D) 520 P.S.I.</td>
<td>Final Hydrostatic Pressure</td>
<td>(H) 1532 P.S.I.</td>
</tr>
<tr>
<td>Initial Flow Period</td>
<td>Minutes 30</td>
<td>(E) 116 P.S.I. to (F) 118 P.S.I.</td>
<td>(G) 410 P.S.I.</td>
<td>Final Closed In Period</td>
<td>Minutes 60</td>
</tr>
<tr>
<td>Initial Closed In Period</td>
<td>Minutes 45</td>
<td>(H) 1532 P.S.I.</td>
<td></td>
<td>Final Closed In Period</td>
<td>Minutes 60</td>
</tr>
</tbody>
</table>

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.
# ALLIED CEMENTING CO., INC.

**Home Office P. O. Box 31**

**Russell, Kansas 67665**

---

**No. 9050**

**Date:** 10-21-90

**Sec:** 19

**Twp:** 7

**Range:** 18 W

**Called Out:** 9:45 A.M.

**On Location:** 11:45 A.M.

**Job Start:** 4:30 P.M.

**Finish:** 5:15 P.M.

**Lease:** Wehrli

**Well No.:** 1

**Location:** Stanton 7½ E ½ S

**County:** Rooks

**State:** KS

---

**Contractor:** Emphasis Oil Operations, P.A.

**Type Job:** Set Surface Pipe

---

### Equipment

<table>
<thead>
<tr>
<th>Description</th>
<th>No.</th>
<th>Cancementer</th>
<th>Helper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumperk 191 No.</td>
<td></td>
<td>Gary H.</td>
<td></td>
</tr>
<tr>
<td>Pumperk No.</td>
<td></td>
<td>Wayne M.</td>
<td></td>
</tr>
<tr>
<td>Bullcrk #212' Driver</td>
<td></td>
<td>Glenn C.</td>
<td></td>
</tr>
<tr>
<td>Bullcrk #213' Driver</td>
<td></td>
<td>Paul L.</td>
<td></td>
</tr>
</tbody>
</table>

---

### Depth of Job

- **Pump Truck:** Surface
  - Reference:
    - #1 9½ ft e 39 ½ D
  - 357 ½
  - Mileage: 2 3/8" / min: 38.00
  - 1-3/8" rubber plug: 143.00
  - Sub Total: 483.00

---

**Remarks:** Cement Circulated

---

**Thanks**
**ALLIED CEMENTING CO., INC.**

**Home Office P. O. Box 31**

**Russell, Kansas 67665**

---

**Date** 10-20-90

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Twp.</th>
<th>Range</th>
<th>Called Out</th>
<th>On Location</th>
<th>Job Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>7</td>
<td>18</td>
<td>3:30 A.M.</td>
<td>5:45 A.M.</td>
<td>7:25 A.M.</td>
<td>8:00 A.M.</td>
</tr>
</tbody>
</table>

**Lease** Wehrli

**Well No.** 1

**Location** Stockton 7/8 E 1/4 S

**County** Rooks

**State** KS

---

**Contractor** Emphasis Oil Operations Rig No.

**Type Job** Set Conductor Pipe

**Hole Size** 17 1/4"

**T.D.** 112'

**Casing** 13 3/8"

**Depth** 111'

**Drill Pipe**

**Tool**

**Cement Left in Casing** 7'

**Press Max.** Minimum

**Mess Line**

**Perf.**

---

**EQUIPMENT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Cemeter</th>
<th>Helper</th>
<th>Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td>191</td>
<td>Gary H</td>
<td>Wayne Mc.</td>
<td>Glen C.</td>
</tr>
</tbody>
</table>

**Bulkrk**

- No.
- Driver

---

**DEPTH of Job**

**References**

- #1 Pumptruck-conductor
- 2 1/10 miles

**Sub Total**

**Remarks:** Cement Circulated

---

**CEMENT**

**Amount Ordered** 100 sks 60/40 par 27# gal, 3 percent

**Consisting of**

- Common 60 sks @ .25/lb.
- Poz. Mix 40 sks @ .25/lb.
- Gel. 2 sks
- Chloride 3 sks @ .25/lb.
- Quicksor

Sales Tax

**Handling** 2.00 / sk. (100 sks)

**Mileage** 2.00 / sk / mi. (15 mi.)

**Sub Total**

**Total**

Floating Equipment

---

**Phone Plainville 913-434-2812**

**Phone Ness City 913-798-3843**
## Allied Cementing Co., Inc.

**No. 9059**

**Home Office P. O. Box 31**
**Russell, Kansas 67665**

<table>
<thead>
<tr>
<th>Date</th>
<th>Sec.</th>
<th>Twp.</th>
<th>Range</th>
<th>Called Out</th>
<th>On Location</th>
<th>Job Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-26-90</td>
<td>19</td>
<td>7</td>
<td>18W</td>
<td>6:00 A.M.</td>
<td>8:00 A.M. 9:15 A.M.</td>
<td>10:00 A.M.</td>
<td></td>
</tr>
</tbody>
</table>

**Lease:** Wehrli  
**Well No.:** 1  
**Location:** Stockton 7/8 of 4S  
**County:** Kansas  
**State:** Ks

**Contractor:** Emphasis Oil Operations  
**Rig No.:** 4

**Type Job:** Production String

<table>
<thead>
<tr>
<th>Hole Size</th>
<th>T.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot;</td>
<td>3261'</td>
</tr>
</tbody>
</table>

**Casing Size:** 8 7/8"  
**Depth:** 3255'  
**Cement Size:** 8 7/8''  
**Depth:** 1216'  
**Conduit and Drill Pipe:** 13 3/8”  
**Depth:** 111’

**Tool:** Depth

**Cement Left in Casing:** 15’  
**Shoe Joint:** 15’

**Press Max:** 1100 lbs  
**Minimum:**

**Meas Line:** X  
**Displace:**

**Perf.:**

---

### Equipment

<table>
<thead>
<tr>
<th>No.</th>
<th>Equipment</th>
<th>Operative</th>
</tr>
</thead>
<tbody>
<tr>
<td>191</td>
<td>Pumptrk</td>
<td>Gary H.</td>
</tr>
<tr>
<td>191</td>
<td>Helper</td>
<td>Wayne Mc.</td>
</tr>
<tr>
<td></td>
<td>No. Cementer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Helper</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Driver</td>
<td>Glen C.</td>
</tr>
</tbody>
</table>

**Depth of Job**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>Pumptruck-long string</td>
<td>880.00</td>
</tr>
<tr>
<td>#13</td>
<td>1/3 mi., e 2.00/ft.</td>
<td>30.00</td>
</tr>
<tr>
<td></td>
<td>1-5 1/2 rubber plug</td>
<td>45.00</td>
</tr>
</tbody>
</table>

**Sub/Total**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1363.25</td>
</tr>
</tbody>
</table>

**Floating Equipment:**

**Amount Ordered:** 190 sks cem. 10% salt

**Consisting of:**

- Common 190 sks c. e 4.75/ sk.  
- Salt - 19 sks c 4.75/ sk.  

**Sales Tax:**

- Handling e 100/ sk. (190 sks)  
- Mileage e 0.34/ sk./mi. (15 mi.)  

**Total:**

**Remarks:** Float Held  
Plugged nat hole w/ 15 sks.  
Cemented long string w/ 175 sks