API NO. 15-137-204090000

County Norton

- C - NE Sec. 5 Twp. 3S Rge. 22 E

1240 Feet from S/W (circle one) Line of Section

1320 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

SE, SE, NW or SW (circle one)

Lease Name Grevling Well # 10-5

Field Name Wildcat

Producing Formation None

Elevation: Ground 2267 KB 2272

Total Depth 3750 PBD

Amount of Surface Pipe Set and Cemented at 261 Feet

Multiple Stage Cementing Collar Used? Yes No No

If yes, show depth set _______ Feet

If Alternate II completion, cement circulated from ________ feet depth to ________ w/ ________ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 1500 ppm Fluid volume 350 bbls

Dewatering method used Cut Windows, Let dry.

Location of fluid disposal if hauled offsite:

Operator Name

Well Name

Comp. Date Old Total Depth

- Deepening Re-perf. Conv. to Inj/SWD

- Plug Back PBD

- Commingled Docket No.

- Dual Completion Docket No.

- Other (SWD or Inj?) Docket No.

12-16-98 12-21-98 17-22-98

Spud Date Date Reached TD Completion Date

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Pipeline Log Received

C Geologist Report Received

Distribution

KCC SWD/Rep Plug Other (Specify)

KGS

Form ACD-1 (7-91)
### Drill Stem Tests Taken

- [ ] Yes  [X] No

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

- [ ] Cores Taken  [ ] Yes  [ ] No

- [ ] Electric Log Run  (Submit Copy.)  [ ] Yes  [ ] No

List All ELogs Run: DIL, CDL/CNL, Microlog

### Log - Formations (Top), Depth and Datum

<table>
<thead>
<tr>
<th>Name</th>
<th>Top</th>
<th>Datum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
<td>1886</td>
<td>+ 386</td>
</tr>
<tr>
<td>Base/An</td>
<td>1913</td>
<td>+ 359</td>
</tr>
<tr>
<td>Heebner</td>
<td>3381</td>
<td>-1109</td>
</tr>
<tr>
<td>Toronto</td>
<td>3406</td>
<td>-1134</td>
</tr>
<tr>
<td>Lansing</td>
<td>3419</td>
<td>-1147</td>
</tr>
<tr>
<td>Base KC</td>
<td>3609</td>
<td>-1337</td>
</tr>
<tr>
<td>Arbuckle</td>
<td>3653</td>
<td>-1381</td>
</tr>
<tr>
<td>TD</td>
<td>3750</td>
<td></td>
</tr>
</tbody>
</table>

### Casing Record

- [ ] New  [ ] Used

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size 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>Surface</td>
<td>12 1/4&quot;</td>
<td>8 5/8&quot;</td>
<td>23</td>
<td>261</td>
<td>60/40 poz</td>
<td>160</td>
<td>3%CaCl2, 2% Gel</td>
</tr>
</tbody>
</table>

### Additional Cementing/Squeeze Record

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforate</td>
<td>Top Bottom</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protect Casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Back TD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Off Zone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Perforation Record - Bridge Plugs Set/Type

Specify Footage of Each Interval Perforated

### Acid, Fracture, Shot, Cement Squeeze Record

- Amount and Kind of Material Used
- Depth

### Tubing Record

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

Date of First, Resumed Production, SWD or Inj.

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

Estimated Production

- Oil Bbls.
- Gas Mcf
- Water Bbls.
- Gas-Oil Ratio
- Gravity

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

METHOD OF COMPLETION

- [ ] Open Hole
- [ ] Perf.
- [ ] Dually Comp.
- [ ] Commingled
- [ ] Other (Specify)
To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

Signature: [Signature]

PRINTED NAME: [Printed Name]
**ALLIED CEMENTING CO., INC.**

Federal Tax ID # 313665

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

**LEASE**

WELL #: 10-5
LOCATION: NORTON 36-34S-36E-51/4W

OLD OR NEW (Circle one) NEW

**CONTRACTOR** DURRAN BULL, REL. 7

**TYPE OF JOB** 548 FACES

**HOLE SIZE** 12 1/4" T.D. 261'

**CASING SIZE** 8 3/8' DEPTH 261'

**TUBING SIZE** DEPTH

**DRILL PIPE** DEPTH

**TOOL** DEPTH

**PRESS. MAX** MINIMUM

**MEAS. LINE** SHOE JOINT

**CEMENT LEFT IN CSG.** 15'

**PERFS.**

**DISPLACEMENT** 15 1/2 AML.

**EQUIPMENT**

- **PUMP TRUCK** CEMENTER TERRY
- **HELPER** WAYNE
- **BULK TRUCK** DRIVER ANDREW
- **BULK TRUCK** DRIVER

**REMARKS:**

- CEMENT DES CERC
- THANK YOU

**CHARGE TO:** DAIR OIL & GAS INC

**STREET** 155 BROADWAY 4525

**CITY** Denver

**STATE** CO

**ZIP** 80203

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To Allied Cementing Co., Inc.

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**SIGNATURE** [Signature]

---

**CEMENT**

- COMMON 99 SKB 7 3/5 74 95
- POZMIX 66 SKB 3 25 214 50
- GEL 3 SKB 9 50 28 50
- CHLORIDE 5 SKB 28 00 140 00

**HANDLING** 165 SKB 1 50 173 25

**MILEAGE** 4 mps SK / MILE 5 94 00

**TOTAL** 1,897 00

---

**SERVICE**

- DEPTH OF JOB 261' 490 00
- PUMP TRUCK CHARGE 40-mpes 285 256 50
- EXTRA FOOTAGE 8 5/8 SURFACE 45 00

**TOTAL** 771 50

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**FLOAT EQUIPMENT**

- 1-CENTRALIZER 35 00

**TOTAL** 35 00

---

**TAX**

**TOTAL CHARGE**

**DISCOUNT** IF PAID IN 30 DAYS

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**PRINTED NAME**