API No. 15-065-22,376 0000 0
Graham County

NE SW Sec. 19 Twp. 6S, Rge. 22 East

1980 Ft North from Southeast Corner of Section

Ft West from Southeast Corner of Section

(Designate Type of Completion

X New Well Re-Entry Workover

Oil SMG Temp Abd

Gas Inj. Delayed Comp.

Dry Other (Core, Water Supply etc.)

Operator Contact Person J. D. Keising

Phone (303) 922-0875

Contractor: License # 9087

Name R. A. C. Drilling Co., Inc.

Wellsite Geologist Dan Watterson

Phone

Elevation: Ground 2418

KB 2423

WATER SUPPLY INFORMATION

Disposition of Produced Water:

Disposal:

Docket # Repressinguring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Division of Water Resources Permit #

Source of Water: Pond

Groundwater Ft North from Southeast Corner

Well Ft West from Southeast Corner of

Sec Twp Rge. East West

Surface Water Ft North from Southeast Corner

(Stream, pond etc) Ft West from Southeast Corner

Sec Twp Rge. East West

Other (explain) (purchased from city, R.W.O. #)

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 82-300, 82-310 and 82-3107 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 82-3107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit OP-4 form with all plugged wells. Submit OP-11 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: Coord. Drilling Operations U.S.

Date 7/9/87

Subscribed and sworn to before me this 24th day of July

Notary Public

Date Commission Expires 11-16-87

Form ACO-1 (5-86) K.C.C. Office Use Only

Kocc Letter of Confidentiality Attached

WG Helpline Log Received

OIl Drillers Time Log Received

Distribution

Specify)
**WELL LOG**

**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.

<table>
<thead>
<tr>
<th>Drill Stem Tests Taken</th>
<th>Formation Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Name</td>
</tr>
<tr>
<td>No</td>
<td>Top</td>
</tr>
<tr>
<td></td>
<td>Bottom</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CCB 1: 3803-3833' (30')</th>
<th>Sand - Shale</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCB 2: 3833-3863' (30')</td>
<td>Sand - Shale</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DST 1: 3662-3683' (21')</td>
<td>15/45/30/60 IPI 10-10 weak blow,</td>
</tr>
<tr>
<td>FFP 20-10 no blow, SIF 1133-1112, HP 1860-1799, BHT 119 deg F, Rec'd 10' drlg mud w/30% specks (60% mud, 30% water, 10% oil)</td>
<td></td>
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<tr>
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</tr>
<tr>
<td>DST 2: 3710-3752' (42')</td>
<td>10/45/30/60 IPI 51-62 strong blow,</td>
</tr>
<tr>
<td>FFP 93-106 strong blow, SIF 1133-1102, HP 2045-1952, BHT 114 deg F, Rec'd 550' total fluid, 124' drlg mud, 124' MW (80% wtr, 20% mud), 310' MW (95% wtr, 5% mud)</td>
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<tr>
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</tr>
<tr>
<td>DST 3: 3790-3833' (35')</td>
<td>15/45/60/90 IPI 51-62 weak blg to strong blow,</td>
</tr>
<tr>
<td>FFP 93-145 (weak blg to strong blow), SIF 1051-969, HP 1952-1901, BHT 116 deg F, Rec'd 310' total fluid, 62' drlg mud, 248' MW (90% wtr, 10% mud)</td>
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<tr>
<td>DST 4: 3833-3863' (30')</td>
<td>15/45/60/90 IPI 10-10 weak blow,</td>
</tr>
<tr>
<td>FFP 31-72 weak blow, SIF 1225-1214, HP 1901-1829, BHT 117 deg F, Rec'd 195' total fluid (62' drlg mud, 133' wtr)</td>
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<tr>
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</tr>
<tr>
<td>DST 5: 3950-3930' (50')</td>
<td>Misrun - Packer failure</td>
</tr>
<tr>
<td>FFP 3076-3950' (26')</td>
<td>10/45/60/90 IPI 414-425 strong blow,</td>
</tr>
<tr>
<td>FFP 343-477 strong blow, SIF 1112-1081, HP 2066-1963, BHT 116 deg F, Rec'd 1922' total fluid - 500' MW (85% wtr, 15% mud), 460' MW (95% wtr, 5% mud), 962' SW</td>
<td></td>
</tr>
</tbody>
</table>

**CASING RECORD**

- **Purpose of String**
  - **Size Hole Drilled**
  - **Size Casing Set (In O.D.)**
  - **Weight Lbs/ft.**
  - **Setting Depth ft.**
  - **Type of Cement**
  - **#Sacks Used**
  - **Type and Percent Additives**

<table>
<thead>
<tr>
<th>Surface</th>
<th>1827</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
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</thead>
</table>

**PERFORATION RECORD**

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

<table>
<thead>
<tr>
<th>Surface</th>
<th>1827</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
<th>1900</th>
</tr>
</thead>
</table>

**TUBING RECORD**

- **Size**
- **Set At**
- **Packer At**
- **Liner Run**

**Date of First Production**

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

<table>
<thead>
<tr>
<th>Oil</th>
<th>Gas</th>
<th>Water</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**METHOD OF COMPLETION**

- **Disposal of Gas:**
  - **Vented**
  - **Sold**
  - **Used on Lease**

- **Open Hole**
- **Perforation**
- **Other (Specify)**

**Production Interval**

- **Estimated Production Per 24 Hours**
  - **Bbls**
  - **MCF**
  - **Bbls**

- **CFPB**

**Production Interval**

- **Disposal of Gas:**
  - **Vented**
  - **Sold**
  - **Used on Lease**

- **Open Hole**
- **Perforation**
- **Other (Specify)**

**Production Interval**