API NO. 15- 065-22,637

County: Graham

State: East

Well Name: Larson Eta

Field Name: unknown

Producing Formation: Arbuckle

Elevation: Ground 2361

Total Depth: 3810

Well Depth 5280

Surface Pipe: 272 Feet

Multiple Stage Cementing Collar Used: Yes

If yes, show depth set 2640 Feet

If Alternate I completion, cement circulated from _______ w/ _______ sq ft.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Dakota Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-3 form with all temporarily abandoned wells. Any recombination, workover or conversion of a well requires filing of ACD-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: Jim R. Baird

Title: Exec. Vice-President

Date: 8/12/1991

Subscribed and sworn to before me this 22nd day of August 1991.

Notary Public: Robert F. Hartman

Date Commission Expires: 3/29/95

Form ACD-1 (7-89)
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested; time 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
☐ Yes ☐ No
(Append Additional Sheets.)

Samples Sent to Geological Survey
☐ Yes ☐ No

Cores Taken
☐ Yes ☐ No

Electric Log Run
☐ Yes ☐ No
(Append Copy.)

DST, #1 (3506-3550) 30-30 IIP: 76-96
FFF: -- ISIP: 1190 PSIP: --
rec. 150 ft. saltwater

DST #2 (3563-3594) 30-30 IIP: 182-644
FFF: -- ISIP: 1181 PSIP: --
Rec. 1260 G.S.W.
(See attached sheet)

FORMATION DESCRIPTION

☐ Log ☐ Sample

Name | Top | Bottom
--- | --- | ---
Topeka | 3360 | -994
Heebner | 3557 | -1191
Toronto | 3581 | -1215
Lansing | 3598 | -1232
BKC | 3784 | -1418
TD | 3810 | -1444

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>Surface</td>
<td>12½&quot;</td>
<td>8 5/8&quot;</td>
<td>272'</td>
<td>60-40 posmix</td>
<td>200</td>
<td>3%cc 2%gel</td>
<td></td>
</tr>
</tbody>
</table>

PERFORATION RECORD

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

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and Kind of Material Used) |

Depth

TUBING RECORD

Size | Set At | Packer At | Liner Run | ☐ Yes ☐ No
--- | --- | --- | --- | ---

Date of First Production

Producing Method
☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours

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 ☐ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify)


<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FORMATION</th>
<th>ROTARY SPEED</th>
<th>WEIGHT ON BIT</th>
<th>PUMP PRESS.</th>
<th>NAME</th>
<th>HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>145</td>
<td>274</td>
<td>Sand Shale</td>
<td>10</td>
<td>100</td>
<td></td>
<td>Richard Healdit</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Er's Road</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tony Rogers</td>
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</tbody>
</table>

**SLOPE TEST**

- Measurement: 5.5 ft.
- Location: 96 ft.
- Remarks: Drilled 82.5 ft. into 3.2 ft. cement.

**BIT AND COREHEAD RECORD**

- Run No.: 1
- Size: 4.5
- Make: 104
- Serial No.: 123
- Depth: 158 ft.
- Hours Run: 24
- MTL. Added (Remarks): 1.25 ft.

**MUD RECORD**

- Weight: 100 lbs.
- Visc.: 70
- WTR. LOSS C.C.: 2
- Filter Cake: 0.2
- PH: 7.8

**TIME RECORD**

- Drilling: 24 hr.
- Coring: 24 hr.
- Other: 24 hr.
- Repairs: 24 hr.
- Collars: 24 hr.

**DRILL STEM RECORD**

- Size D.P.: 4.5
- Size Coll.: 4.5
- JTS. D.P.: 2 ft.
- Kelly Down: 2 ft.
- Total: 2 ft.

**REMARKS**

- 11:00 - 12:00: Hole is 4 ft. in diameter.
- 12:00 - 3:45: Hole is 4 ft. in diameter. Jig collared and packed.
- Raw 8.25 ft.
- Cemented 21/4 ft.
- 3:45 - 7:00: No work.

---

**FROM**

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<tbody>
<tr>
<td>274</td>
<td>330</td>
<td>Shale</td>
<td>110</td>
<td>750</td>
<td></td>
<td>James M. Rome</td>
<td>8</td>
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<td></td>
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<td></td>
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<td></td>
<td>Tim A. Chambers</td>
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</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Clinton Wiley</td>
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</table>

**SLOPE TEST**

- Accident: 8 ft.

**BIT AND COREHEAD RECORD**

- Run No.: 1
- Size: 3
- Make: 108
- Serial No.: 53281
- Depth: 247 ft.
- Hours Run: 24
- MTL. Added (Remarks): 0.25 ft.

**MUD RECORD**

- Weight: 100 lbs.
- Visc.: 70
- WTR. LOSS C.C.: 2
- Filter Cake: 0.2
- PH: 7.8

**TIME RECORD**

- Drilling: 24 hr.
- Coring: 24 hr.
- Other: 24 hr.
- Repairs: 24 hr.
- Collars: 24 hr.

**DRILL STEM RECORD**

- Size D.P.: 4.5
- Size Coll.: 4.5
- JTS. D.P.: 2 ft.
- Kelly Down: 2 ft.
- Total: 2 ft.

**REMARKS**

- 7:00 - 10:45: Collar and packed.
- 10:45 - 3:10: Break time.
- 3:10 - 5:00: Redo top shoe.

---

**FROM**

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<th>WEIGHT ON BIT</th>
<th>PUMP PRESS.</th>
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<th>HRS</th>
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<tr>
<td>330</td>
<td>1787</td>
<td>Shale</td>
<td>10</td>
<td>85</td>
<td></td>
<td>Dave Riggs</td>
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<td>Tony Brady</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Tim Thompson</td>
<td></td>
</tr>
</tbody>
</table>

**SLOPE TEST**

- Accident: 8 ft.

**BIT AND COREHEAD RECORD**

- Run No.: 1
- Size: 3
- Make: 108
- Serial No.: 53281
- Depth: 274 ft.
- Hours Run: 24
- MTL. Added (Remarks): 0.25 ft.

**MUD RECORD**

- Weight: 100 lbs.
- Visc.: 70
- WTR. LOSS C.C.: 2
- Filter Cake: 0.2
- PH: 7.8

**TIME RECORD**

- Drilling: 24 hr.
- Coring: 24 hr.
- Other: 24 hr.
- Repairs: 24 hr.
- Collars: 24 hr.

**DRILL STEM RECORD**

- Size D.P.: 4.5
- Size Coll.: 4.5
- JTS. D.P.: 2 ft.
- Kelly Down: 2 ft.
- Total: 2 ft.

**REMARKS**

- 3:30 - 4:00: Day is sunny.
- 4:00 - 5:10: Break time.
- 5:10 - 6:10: Day is cloudy.

---

**APPROVED:**

[Signature]

**TOOL PUSHER:**

[Signature]
<table>
<thead>
<tr>
<th>RUN NO.</th>
<th>WEIGHT</th>
<th>DRILLING</th>
<th>SIZE D.P.</th>
<th>SIZE COLL.</th>
<th>JIB D.P.</th>
<th>KELLY DOWN</th>
<th>TOTAL FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9.6</td>
<td>1/4</td>
<td>FT.</td>
<td>FT.</td>
<td>FT.</td>
<td>FT.</td>
<td>FT.</td>
</tr>
</tbody>
</table>

REMARKS:
- [Insert remarks here]