STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACD-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 4456
Name PFM Operating Company
Address 1801 S. 11th Street, Wichita, KS 67214
City/State/Zip (316) 399-3230

Purchaser: K.N. Energy, Inc.

Operator Contact Person: Steve P. Hoppe

Contractor: License # 9187
Name Western Well Drilling

Wellsite Geologist: None

Designated Type of Completion

☐ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ Gases ☐ Water ☐ Other (Core, Water Supply etc.)

If Other: old well info as follows:

Operator
Well Name
Comp. Date

Old Total Depth

WELL HISTORY

Drilling Method:
☐ Mud Rotary ☐ Air Rotary ☐ Cable

11/15/85 ☐ 11/17/85 ☐ 2/26/86

Spud Date Date Reached TD Completion Date

1725' ☐ 1670'

Total Depth PTD

Amount of Surface Pipe Set and Cemented at 317' feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set feet

If alternate 2 completion, cement circulated from 317' feet depth to 722'/526'/879'/1035' (Specify)

WATER SUPPLY INFORMATION

Disposition of Produced Water:
☐ Disposal ☐ Repressuring

Docket #

Questions on this portion of the ACD-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

☐ 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

Purchased from City of

(purchased from city, R.W.D. #)
St. Francis, Kansas

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission,
200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any
well. Rule 82-3-130 and 82-3-107 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. Submit OP-4 form with
all plugged wells. Submit OP-II 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 Stu Hoppe

Title Drilling & Production Engineer

Date 2/28/86

Subscribed and sworn to before me this day of 1986.

Notary Public

Date Commission Expires

K.C.C. OFFICE USE ONLY

☐ Letter of Confidentiality Attached

☐ Wireline Log Received

☐ Drillers Time Log Received

Distribution

☑ KCC ☐ SWD/Map

☐ Plug ☐ Other (Specify)

☐ NSPA

☐ KGS

☑ MAR 1 1986

±

OFFICE USE ONLY

☐ Letter of Confidentiality Attached

☐ Wireline Log Received

☐ Drillers Time Log Received

Distribution

☑ KCC ☐ SWD/Map

☐ Plug ☐ Other (Specify)

☐ NSPA

☐ KGS

☐ MAR 1 1986
**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 ☑️ No ❌</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Samples Sent to Geological Survey</th>
<th>Yes ☑️ No ❌</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Cores Taken</th>
<th>Yes ☑️ No ❌</th>
</tr>
</thead>
</table>

**Name**

Nobrara
(Reecher Island Zone) 1522' KB 1558' KB

---

**CASING RECORD**

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 G.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement Used</th>
<th>Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>9 3/4&quot;</td>
<td>7 1/8&quot;</td>
<td>17</td>
<td>3127'</td>
<td>Rpp</td>
<td>77%</td>
</tr>
<tr>
<td>Production</td>
<td>5 1/16&quot;</td>
<td>3 5/8&quot;</td>
<td>13</td>
<td>1761'</td>
<td>50-50.19 Dib</td>
<td>21%</td>
</tr>
</tbody>
</table>

**PERFORATION RECORD**

Shots Per Foot | Specify Footage of Each Interval Perforated

<table>
<thead>
<tr>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
</tr>
</tbody>
</table>

**ACID, FRACRUPTURE, SHOT, CEMENT SQUEEZE RECORD**

<table>
<thead>
<tr>
<th>Amount and Kind of Material Used</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>464 bbls gel water</td>
<td>1524'-56'</td>
</tr>
<tr>
<td>100,000 ft. 10/20 sand</td>
<td>80 feet 02</td>
</tr>
</tbody>
</table>

**TUBING RECORD**

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

**DATE OF FIRST PRODUCTION**

<table>
<thead>
<tr>
<th>Producing Method</th>
<th>WOPL</th>
<th>Oil</th>
<th>Gas</th>
<th>Water</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>xXx Flowing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xXx Gas Lift</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (explain)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Estimated Production Per 24 Hours**

<table>
<thead>
<tr>
<th>Bbls</th>
<th>CAOF</th>
<th>MCF</th>
<th>Bbls</th>
<th>CFPB</th>
</tr>
</thead>
</table>

**METHOD OF COMPLETION**

<table>
<thead>
<tr>
<th>Disposition of gas</th>
<th>Open Hole xXx perforation</th>
<th>Other (Specify) 1524'-1556'</th>
</tr>
</thead>
<tbody>
<tr>
<td>xXx</td>
<td>xXx perforation</td>
<td>1524'-1556'</td>
</tr>
<tr>
<td>xXx</td>
<td>Other (Specify)</td>
<td>1524'-1556'</td>
</tr>
<tr>
<td>xXx</td>
<td>Dually Completed</td>
<td>1524'-1556'</td>
</tr>
<tr>
<td>xXx</td>
<td>Commingled</td>
<td>1524'-1556'</td>
</tr>
<tr>
<td>xXx</td>
<td>Sold</td>
<td>1524'-1556'</td>
</tr>
<tr>
<td>xXx</td>
<td>Used on Lease</td>
<td>1524'-1556'</td>
</tr>
</tbody>
</table>