STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # (3667)
Name: Source Petroleum, Inc.
Address: 3000 W. Linn, Wichita, KS 67202
City/State/Zip: Wichita, KS 67202

Purchaser: Koch Oil Co.

Operator Contact Person: John Howard, Jr.
Phone: (316) 262-7169

Contractor: License # (5422)
Name: A. R. Howard

Well Site Geologist: Dusty, Shipp
Phone: 913-725-5419

Designate Type of Completion
X New Well __ Re-Entry __ Workover

X Oil __ SMD __ Temp Abd
Gas __ Inj __ Delayed Comp.
Dry __ Other (Core, Water Supply etc.)

IT CANNOT: old well info as follows:
Operator
Well Name
Comp. Date _______________ Old Total Depth

WELL HISTORY
Drilling Method:
X Mud Rotary __ Air Rotary __ Cable

2-23-88 __ 2-28-88 __ 4/6/88
Spud Date __ Date Reached TD __ Completion Date

4680' __ 4960' __
Total Depth ___________ PBDT

Amount of Surface Pipe Set and Cemented in 344
Multiple Stage Cementing Collar (feet?) __ Yes __ No
If yes, show depth set ___________ Feet
If alternate 2 completion, cement circulated from ___________ feet to ___________ X/XX cmt
Cement Company Name ___________
Invoice # ________________

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 82-3-130, 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 82-3-167 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit DP-4 form with all plugged wells. Submit CP-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 therein are complete and correct to the best of my knowledge.

Signature: John D. Howard, Jr.
Title: Geologist/Geological Manager
Date: 5-10-88

Subscription and sworn to before this 10th day of May 1988.
Notary Public

Date Commission Expires: January 24, 1992
### 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 pressures reached static level, hydrostatic pressure, 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>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samples Sent to Geological Survey</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Cores Taken</td>
<td>Yes</td>
<td>X No</td>
</tr>
</tbody>
</table>

**Formation Description**

<table>
<thead>
<tr>
<th>Name</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
<td>2842</td>
<td>2878</td>
</tr>
<tr>
<td>Lansing</td>
<td>3990</td>
<td>4260</td>
</tr>
<tr>
<td>Arbuckle</td>
<td>4644</td>
<td>-----</td>
</tr>
</tbody>
</table>

***RELEASED***

**JUN 1 2 1989**

**O-12-89**

**FROM CONFIDENTIAL**

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### CASING RECORD

**New**

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole</th>
<th>Size Casing</th>
<th>Weight Lbs/ft.</th>
<th>Setting</th>
<th>Type of Cement</th>
<th>Used</th>
<th>Type and Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>2 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>20#</td>
<td>224</td>
<td>60-40  ppg.</td>
<td>250</td>
<td>75% Oil 25% Water</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>10#</td>
<td>224</td>
<td>60-40  ppg.</td>
<td>250</td>
<td>75% Oil 25% Water</td>
</tr>
<tr>
<td>90' Total</td>
<td>7 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>10#</td>
<td>224</td>
<td>60-40  ppg.</td>
<td>250</td>
<td>75% Oil 25% Water</td>
</tr>
</tbody>
</table>

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### PERFORATION RECORD

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specific Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement</th>
<th>Squeeze Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4091-82 (6')</td>
<td>15% NCA Acid (1/2 bbl. per foot)</td>
<td>Depth</td>
</tr>
<tr>
<td>4</td>
<td>4099-62 (3')</td>
<td>11,000 gals. 15% SGA Acid</td>
<td>Depth</td>
</tr>
<tr>
<td>4</td>
<td>4137-40 (3')</td>
<td></td>
<td>Depth</td>
</tr>
<tr>
<td>4</td>
<td>4155-38 (3')</td>
<td></td>
<td>Depth</td>
</tr>
<tr>
<td>4</td>
<td>4183-85 (2')</td>
<td></td>
<td>Depth</td>
</tr>
</tbody>
</table>

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### TUBING RECORD

<table>
<thead>
<tr>
<th>Size</th>
<th>2 3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set At</td>
<td>4118</td>
</tr>
<tr>
<td>Packer at</td>
<td></td>
</tr>
<tr>
<td>Liner Run</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Date of First Production**

**4-13-88**

**Producing Method**

- Flushing

**Estimated Production Per 24 Hours**

- Oil 40 Bbls
- Gas 10 MCF

**METHOD OF COMPLETION**

**Production Interval**

- A059-62
- 4081-85

**Disposition of gas:**

- Vented
- Sold
- Used on Lease
- Open Hole
- X Perforation
- Other (Specify) A059-62
- Dually Completed
- Connemiged

**Oil**

- 10 Bbls CFPB
Timm "A" #2
Attached to ACO-I

DST #1 3895'-3955' Oread
op 15 s1 30 op 15 s1 30
Rec.: 20' of mud
IFP: 57-47 FFP: 47-38
ISIP: 1126 FSIP: 1078

DST #2 3995'-4010' Lansing
op 30 s1 45 op 45 s1 60
Rec.: 50' of mud
IHP: 1969 FHP: 1940 BHT: 117 deg. F
IFP: 37-37 FFP: 37-37
ISIP: 1203 FSIP: 1164

DST #3 4005'-4055' Lansing 50'
op 45 s1 60 op 60 s1 60
Rec.: 20' of oil
25' oil cut mud (40% oil, 60% mud)
62' oil cut mud (5% oil, 95% mud)
IFP: 47-57 FFP: 66-66
ISIP: 1136 FSIP: 992

DST #4 4055'-4100' Lansing 100'
op 30 s1 60 op 30 s1 60
Rec.: 682' gas in pipe
390' oil
92' mud cut oil (55% oil, 45% mud)
IHP: 2046 FHP: 2026' BHT: 119 deg. F
IFP: 85-152 FFP: 200-248
ISIP: 896 FSIP: 868

DST #5 4100'-4150' Lansing 140'
op 30 s1 30 op 15 s1 30
Rec.: 5' of mud with few oil spots
IHP: 2121 FHP: 2112 BHT: 118 deg. F
IFP: 50-50 FFP: 40-40
ISIP: 60 FSIP: 40

DST #6 4145'-4192' Lansing 180'
op 30 s1 30 op 15 s1 30
Rec.: 5' of mud
IHP: 2084 FHP: 2065 BHT: 118 deg. F
IFP: 28-28 FFP: 19-19
ISIP: 124 FSIP: 76

MAY 14 1989
KANSAS DEPARTMENT OF CONSERVATION
SURVEY

MAY 11 1989
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

RELEASED
JUN 12 1989

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