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

DESCRIPTION OF WELL AND LEASE

API No. 15 147-20,493 0 0

County...Philling

NE/4 SE/4 SW/4 Sec. 22 Twp...55

990

970

Ft North from Southeast Corner of Section

Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

Lease No......Demath

Field Name...Hamson

Producing Formation...Arbuckle

Elevation: Ground...2183 K8...2188

WATER SUPPLY INFORMATION

Disposition of Produced Water: 1.2 Disposal 2.2 Reusing

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3711
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) Fts West from Southeast Corner

Sec Twp Rge...East West

John Demath, Logan, Ks. 67646

Other (explain)

(purchased from city, R.W.D. #)

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 drills reports that shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-III 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...J. W. Morrison

Title...Operator

Date...3-10-86

Subscribed and sworn to before me this 10 day of March

1986...Carolyn S. Morrison

Notary Public

Date Commission Expires...December 21, 1987

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

ACC

SG/Dep

Plug

NGPA

Other

(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>Samples Sent to Geological Survey</th>
<th>Cores Taken</th>
<th>Formation Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>X Log</td>
</tr>
</tbody>
</table>

**DST #1** (3272-3352) 30-45-30-45 Rec. 240' muddy salt water IFF: 49-98 FFP: 98-137
SIP: 394-330 PSI Temp: 96 Degrees

Anhydrite
Top: 1680
Heebery: 3074

**DST #2** (3942-3957) 30-30-00-00 Rec: 15' mud w/oil spots
IFF: 74-85 SIIP 594 temp N/A

Top: 3395
Lower: 5411

**DST #3** (3957-3993) 30-45-30-45 Rec: 15' oil cut mud w/1/2' free oil IFF: 45-45 FFP: 45-45
SIP: 91-57 PSI Temp N/A

Top: 4225
Lower: 3090

**DST #4** (3975-3610) 30-30-30-30 Rec: 60' clean oil
270 oil cut mud, 120 oil cut muddy water.

Top: 2191
Lower: 2495

**CASING RECORD**

<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 Type of Cement</th>
<th>#Sacks Used</th>
<th>Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12 1/4&quot;</td>
<td>13 1/4&quot;</td>
<td>200</td>
<td>2133 Comp</td>
<td>100</td>
<td>84 gal. CHC/12 gal. acid</td>
</tr>
<tr>
<td>Production</td>
<td>9 7/8&quot;</td>
<td>11 1/2&quot;</td>
<td>200</td>
<td>2133 VCH</td>
<td>100</td>
<td>84 gal. CHC/12 gal. acid</td>
</tr>
</tbody>
</table>

**PERFORATION RECORD**

Shots Per Foot: Specify footage of each interval perforated

- 3000-3600 ft

**TUBING RECORD**

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At 2 7/8&quot;</th>
<th>Packer at 3610</th>
<th>Liner Run</th>
<th>Percent</th>
</tr>
</thead>
</table>

**Date of First Production**

Flowing Pumping Gas Lift Other (explain)

**Estimated Production Per 24 Hours**

Oil: Bbls
Gas: MCF
Water: Bbls
Gas-Oil Ratio
Gravity

**METHOD OF COMPLETION**

Disposal of gas: Vented Sold Used on Lease

Open Hole Perforation Other (Specify)
Dually Completed Commingled

**Production Interval**

3000
3602 1/2