WELL PLUGGING RECORD

STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

K.A.R. 82-3-117

API NUMBER 15-163-20,452

LEASE NAME JONES "A"

WELL NUMBER #1

2970 Ft. from S Section Line
1650 Ft. from E Section Line
SEC. 28 TWP. 7 RGE. 16 (E) or (W)
COUNTY Rocks

Date Well Completed 8/28/72
Plugging Commenced 9/1/94
Plugging Completed 9/1/94

LEASE OPERATOR Petroleum Management, Inc.

ADDRESS 14201 East Central, Wichita, KS 67230

PHONE (316) 733-5600 OPERATORS LICENSE NO. 5242

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on September 1, 1994 (date)

by Don Butcher (KCC District Agent's Name).

Is ACO-1 filed? Yes If not, Is well log attached?

Producing Formation Topeka Depth to Top 2766 Bottom 2772 T.D. 2850

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

<table>
<thead>
<tr>
<th>Formation</th>
<th>Content</th>
<th>From</th>
<th>To</th>
<th>Size</th>
<th>Put In</th>
<th>Pulled out</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8 5/8</td>
<td>252</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 1/2</td>
<td>3266</td>
<td>0</td>
</tr>
</tbody>
</table>

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set. Milled to 870'. Spotted 100 xxs common Pulled tubing Pumped 150 xxs Pozmix down 5".

If additional description is necessary, use BACK of this form.

Name of Plugging Contractor Allied Cementing License No.

Address Russell, KS

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Petroleum Management, Inc.

STATE OF Kansas COUNTY OF Sedgwick ss.

R. D. Reber (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) R. D. Reber

(Address) 14201 E. Central, Wichita, KS

SUBSCRIBED AND SWORN TO before me this 21st day of September, 1994

KATHLEEN L. CARTER
NOTARY PUBLIC
STATE OF KANSAS

Commission Expires: 9-22-94

Rev: 05-88
# KANSAS DRILLERS LOG

**API No. 15**  
**Operator:** Petroleum Management, Inc.  
**Address:** 1515 Vickers KSB&T Bldg. Wichita, Kansas 67202  
**Well No.:** #1  
**Footage Location:**  
- **2310 North** feet from (N) (S) line  
- **1650 East** feet from (E) (W) line  
**Principal Contractor:** Red Tiger Drilling Company  
**Geologist:** W. H. Petersen  
**Spud Date:** 7-28-72  
**Date Completed:** 8-28-72  
**Locate well correctly**  
- **Elev.: Gr.** 1839  
- **DF.** 1841  
- **KB.** 1844

## CASING RECORD

**Report of all strings set—surface, intermediate, production, etc.**

<table>
<thead>
<tr>
<th>Purpose of string</th>
<th>Size hole drilled</th>
<th>Size casing set (in C.D.)</th>
<th>Weight lbs/ft.</th>
<th>Setting depth</th>
<th>Type cement</th>
<th>Sacks</th>
<th>Type and percent additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Csg</td>
<td>12-1/4&quot;</td>
<td>8-5/8&quot;</td>
<td>24#</td>
<td>250</td>
<td>Common</td>
<td>160</td>
<td>3% Calcium Chloride</td>
</tr>
<tr>
<td>Production Csg</td>
<td>7-7/8&quot;</td>
<td>5-1/2&quot;</td>
<td>14#</td>
<td>3266</td>
<td>Light</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pozmix</td>
<td>200</td>
<td>Salt Saturated</td>
</tr>
</tbody>
</table>

## LINER RECORD

<table>
<thead>
<tr>
<th>Top, ft.</th>
<th>Bottom, ft.</th>
<th>Sacks cement</th>
<th>Shots per ft.</th>
<th>Size &amp; type</th>
<th>Depth interval</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>D.P. Jets</td>
<td>2766-72'</td>
</tr>
</tbody>
</table>

## TUBING RECORD

<table>
<thead>
<tr>
<th>Size</th>
<th>Setting depth</th>
<th>Packer set at</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; 8 RD</td>
<td>2848'</td>
<td>2850'</td>
</tr>
</tbody>
</table>

## PERFORATION RECORD

<table>
<thead>
<tr>
<th>Size</th>
<th>D.P. Jets</th>
<th>Depth interval</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2766-72'</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2789-95'</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2800-04'</td>
<td></td>
</tr>
</tbody>
</table>

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

- **Amount and kind of material used**
- **Depth interval treated**
  - 250 gallons 7½% MCA 2766-72'
  - 250 gallons 7½% MCA 2789-95'
  - 250 gallons 7½% MCA 2800-04'

## INITIAL PRODUCTION

<table>
<thead>
<tr>
<th>Date of first production</th>
<th>Producing method (flowing, pumping, gas lift, etc.)</th>
<th>Rate of Production Per 24 Hours</th>
<th>Gas-oil ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-29-72</td>
<td>Pumping</td>
<td>Oil 121 bbls.</td>
<td></td>
</tr>
</tbody>
</table>

**Disposition of gas (vented, used on lease or sold)**

<table>
<thead>
<tr>
<th>Producing interval(s)</th>
<th>Gas-oil ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2766-72'</td>
<td></td>
</tr>
<tr>
<td>2800-04'</td>
<td></td>
</tr>
<tr>
<td>2789-95'</td>
<td></td>
</tr>
</tbody>
</table>

**INSTRUCTIONS:** As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3810 S. Meridian (P.O. Box 170227), Wichita, Kansas 66229. Phone 784-5977. If confidential custody is desired, please note Rule 82-2-125. Driller's Logs will be an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.
Operator
Petroleum Management, Inc.

Well No. #1 Lease Name JONES A

Rooks County

WELL LOG
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

<table>
<thead>
<tr>
<th>FORMATION DESCRIPTION, CONTENTS, ETC.</th>
<th>TOP</th>
<th>BOTTOM</th>
<th>NAME</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shale</td>
<td>0</td>
<td>255</td>
<td>Stone Corral</td>
<td>1143'</td>
</tr>
<tr>
<td>Shale w/Sand Strks</td>
<td>255</td>
<td>625</td>
<td>Base Stone Corral</td>
<td>1178</td>
</tr>
<tr>
<td>Sand</td>
<td>625</td>
<td>825</td>
<td>Neva</td>
<td>2179</td>
</tr>
<tr>
<td>Shale</td>
<td>825</td>
<td>1143</td>
<td>Tarkio Lime</td>
<td>2585</td>
</tr>
<tr>
<td>Anhydrite</td>
<td>1143</td>
<td>1178</td>
<td>Topeka</td>
<td>2737</td>
</tr>
<tr>
<td>Shale</td>
<td>1178</td>
<td>1630</td>
<td>Deer Creek</td>
<td>2785</td>
</tr>
<tr>
<td>Shale &amp; Lime</td>
<td>1630</td>
<td>1885</td>
<td>Lecompton</td>
<td>2850</td>
</tr>
<tr>
<td>Lime</td>
<td>1885</td>
<td>2670</td>
<td>Oread</td>
<td>2891</td>
</tr>
<tr>
<td>Lime &amp; Shale</td>
<td>2670</td>
<td>2796</td>
<td>Heebner</td>
<td>2950</td>
</tr>
<tr>
<td>Lime</td>
<td>2796</td>
<td>3370</td>
<td>Toronto</td>
<td>2973</td>
</tr>
</tbody>
</table>

DRILL STEM TEST DATA

DST #1 2745-2773
Op 30 SI 45 Op 30 SI 45
Weak to good blow throughout test. Recovered 120' free oil, 33° gravity, and 30' slightly oil cut mud. 20' gas in pipe. IFP 11 FFP 71 ISIP 1079 FSIP 1079

DST #2 2775-2796
Op 30 SI 45 Op 30 SI 45
Weak blow throughout test. Recovered 30' free oil and 30' heavy oil cut mud. IFP 11 FFP 34 ISIP 1088 FSIP 1089

DST #3 2852-2870
Op 30 SI 45 Op 30 SI 45
Very weak blow for 9 minutes, and died. Recovered 10' mud with spots of oil (2% oil, 65% mud, 33% water). IFP 16 FFP 12 ISIP 570 FSIP 628

DST #4 2946-3009
Op 20 SI 30 Op 15 SI 30
Very weak blow for 7 minutes, then died. Recovered 15' mud, few spots of oil. IFP 41 FFP 46 ISIP 142 FSIP 81

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Signature

Title

Date
DST #7  3187-3249
Op 30 SI 45  Op 30 SI 45
Initial flow period very weak--blow for 30 minutes. Final flow period, no blow.
Recovered 45' watery mud with scum of oil. IFP 63  FFP 58  ISIP 1236  FSIP 1207