Well Plugging Record

K.A.R. R-82-3-117

API Number: 15-101-20274-00-00

KCC Wichita

Lease Operator: Abercrombie Energy, LLC

Address: Rt. #1, Box 56, Great Bend, KS 67530

Phone: (620) 793-8186  Operators License No.: 32457

Character of Well: Oil

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

The plugging proposal was approved on: 6-10-04

By: Kevin Strube

(KCC District Agent's Name).

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

Producing Formation: LKC "I"  Depth to Top: 4228'  Bottom: 4367' T.D.: 4630'4675'

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

OIL, GAS OR WATER RECORDS

<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>LKC &quot;I&quot;</td>
<td>Oil/Water</td>
<td>4228</td>
<td>32</td>
<td>5 1/2</td>
<td>240'</td>
<td>None</td>
</tr>
<tr>
<td>Middle Creek L</td>
<td>Oil/Water</td>
<td>4313</td>
<td>18</td>
<td>5 1/2</td>
<td>4673</td>
<td></td>
</tr>
<tr>
<td>Pleasanton</td>
<td>Oil/Water</td>
<td>4663</td>
<td>67</td>
<td>5 1/2</td>
<td>4673</td>
<td></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 plug were used, state the character of same and depth placed, feet to feet each section.

Displaced 300# bulk & 25 sacks 60/40 oz. 6% gel down 5 1/2 casing. Pumped 60 Bbls. gel slurry (24 sacks) plus 34 Bbls. fresh water to 1500# - shut in 300#, next @ 1300# mixed 195 sacks 60/40 oz, 6% gel 1300# - shut in @ 350# hooked up to annulus - pumped 150 sacks 60/40 oz. 6% gel to 300# - shut in @ 200#

Name of Plugging Contractor: Abercrombie Energy, LLC

Address: Rt. #1, Box 56, Great Bend, KS 67530

Name of Party Responsible for Plugging Fees: Abercrombie Energy, LLC

State of: Kansas  County of: Barton

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

(Signature)  [Signature]

(Address)  Rt. #1, Box 56, Great Bend, KS 67530

Subscribed and sworn to before me this 28th day of June, 2004, by

[Signature]  [Signature]

My Commission Expires: 7-29-2004

Notary Public

Form OP-4

Revised 05-83
**KANSAS DRILLERS LOG**

**API No.** 15 — 101 — 20,274  
**County** — 640 Acres  
**Number** — 20,274  
**JUL 06 2004**  
**RECEIVED**

**Operator**  
Abercrombie Drilling, Inc.

**Address**  
801 Union Center, Wichita, Kansas 67202

**Well No.**  
#1  
**Lease Name**  
Thomas "A"

**Footage Location**  
feet from (N) (S) line, feet from (E) (W) line

**Principal Contractor**  
Abercrombie Drilling, Inc.

**Geologist**  
Orlin Phelps

**Spud Date**  
December 19, 1977  
**Total Depth**  
4675

**P.B.T.D.**  
4290

**Date Completed**  
March 8, 1978  
**Oil Purchaser**  
Murphy Oil Corporation

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### 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 depth</th>
<th>Type cement</th>
<th>Sacks</th>
<th>Type and percent additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12 1/4&quot;</td>
<td>8-5/8&quot;</td>
<td>28#</td>
<td>240.36'</td>
<td>Common</td>
<td>175</td>
<td>2% gel 3% CaCl</td>
</tr>
<tr>
<td>Production</td>
<td>7-7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>14#</td>
<td>4673'KB</td>
<td>Chemical Flush 20 bb1</td>
<td>75</td>
<td>2% gel 12% gilsonite/silica</td>
</tr>
</tbody>
</table>

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### 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>4</td>
<td></td>
<td>4228 - 4232</td>
</tr>
</tbody>
</table>

### TUBING RECORD

<table>
<thead>
<tr>
<th>Size</th>
<th>Setting depth</th>
<th>Packer set at</th>
</tr>
</thead>
</table>

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### ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

<table>
<thead>
<tr>
<th>Amount and kind of material used</th>
<th>Depth interval treated</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 gals. 15% Non-E</td>
<td>4228 - 4232</td>
</tr>
</tbody>
</table>

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### INITIAL PRODUCTION

<table>
<thead>
<tr>
<th>Date of first production</th>
<th>Producing method (flowing, pumping, gas lift, etc.)</th>
<th>Pumping</th>
</tr>
</thead>
</table>

### RATE OF PRODUCTION PER 24 HOURS

<table>
<thead>
<tr>
<th>Oil</th>
<th>Gas</th>
<th>Water</th>
<th>Gas-oil ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>0</td>
<td>12%</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disposition of gas (vented, used on lease or sold)</th>
<th>Producing interval(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4228 - 4232</td>
<td></td>
</tr>
</tbody>
</table>

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**INSTRUCTIONS:** As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers 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, 3830 S. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AG 316-522-2106. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.
<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>Surface dirt, sand &amp; shale</td>
<td>0</td>
<td>243</td>
<td>Sample Tops:</td>
<td></td>
</tr>
<tr>
<td>Sand &amp; shale</td>
<td>243</td>
<td>2131</td>
<td>Anhydrite</td>
<td>2131 (+ 662)</td>
</tr>
<tr>
<td>Anhydrite</td>
<td>2131</td>
<td>2160</td>
<td>B/Anhydrite</td>
<td>2160 (+ 633)</td>
</tr>
<tr>
<td>Sand &amp; shale</td>
<td>2160</td>
<td>2345</td>
<td>Heebner</td>
<td>3942 (-1149)</td>
</tr>
<tr>
<td>Lime &amp; shale</td>
<td>2345</td>
<td>2850</td>
<td>Toronto</td>
<td>3957 (-1164)</td>
</tr>
<tr>
<td>Shale &amp; lime</td>
<td>2850</td>
<td>3050</td>
<td>Lansing</td>
<td>3984 (-1191)</td>
</tr>
<tr>
<td>Lime &amp; shale</td>
<td>3050</td>
<td>4013</td>
<td>Pawnee</td>
<td>4482 (-1689)</td>
</tr>
<tr>
<td>Lime</td>
<td>4013</td>
<td>4675</td>
<td>Fort Scott</td>
<td>4533 (-1740)</td>
</tr>
<tr>
<td>Rotary Total Depth</td>
<td></td>
<td>4675</td>
<td>Cherokee Sh.</td>
<td>4559 (-1766)</td>
</tr>
</tbody>
</table>

Recovered 25° clean oil, 95° watery ocm, 5% oil, 25% water, 70% mud.


DST#3 (4219-4243) 30°, 60°, 90°, 60°. Recovered 120° gip, 370° clean oil (33.5 gravity) 180° muddy oil.


DST#4 (4241-4252) 30°, 60°, 90°, 60°. Recovered 1200° sw-scum oil.


DST#5 (4320-4328) 30°, 60°, 90°, 60°. Recovered 60° gip, 210° clean oil (36.2 gravity) 90° ocmw.

IFP 20-40, IBHP 1202, FFP 51-102, FBHP 1141.

DST#6 (4366-4398) 30°, 60°, 90°, 60°. Recovered 210° gip, 70° clean oil (35 gravity) 80° muddy oil, 60% oil, 60° ocmw 70% water & 5% oil.

IFP 10-30, IBHP did not record, FFP 51-71, FBHP 1172.

DST#7 (4394-4473) 30°, 30°, 30°, 30°. Recovered 20° mud.


DST#8 (4558-4620) 30°, 30°, 30°, 30°. Recovered 30° mud.

IFP 20-30, IBHP 1222, FFP 30-30, FBHP 1172. Temp. 117.

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

Date Received

Signature

Jack L. Partridge, Ass’’t Secretary-Treasurer

June 7, 1978

Date