Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING RECORD
K.A.R. 82-3-117

Lease Operator: Heartland Oil & Gas Corporation
Address: 1610 Industrial Park Drive Paola KS 66071
Phone: (913) 294-1400 Operator License #: 33233
Type of Well: Gas (Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) Docket #: (If SWD or ENHR)
The plugging proposal was approved on: 3-02-06 (Date)

by: Taylor Herman (KCC District Agent’s Name)

API Number: 15-005-20102-00-00
Lease Name: Boldridge
Well Number: 1
Spot Location (QOQQ): NE - SE - SW - NE
2188 Feet from ☑ North / ☐ South Section Line
1520 Feet from ☑ East / ☐ West Section Line
Sec. 5 Twp 7 S. R. 21 ☑ East ☐ West
County: Atchison

Is ACO-1 filed? ☑ Yes ☐ No If not, is well log attached? ☑ Yes ☐ No
Producing Formation(s): List All (If needed attach another sheet)
Depth to Top: Bottom: T.D. 1708

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

<table>
<thead>
<tr>
<th>Oil, Gas or Water Records</th>
<th>Casing Record (Surface Conductor &amp; Production)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formation</td>
<td>Content</td>
</tr>
<tr>
<td>Surface</td>
<td>GL</td>
</tr>
<tr>
<td>Production</td>
<td>GL</td>
</tr>
</tbody>
</table>

Describe in detail the manner in which the well is 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 depth placed from (bottom), to (top) for each plug set.

Ran tubing and tagged at 1650'. Pumped 14 bbls of gelled water (3.5 sx). With tubing at 1460', pumped 12.5 bbls (3 sx) of gelled water. Pumped 30 sx of Class A cement with 1 sx of Cottonseed hulls. Displaced with 6.75 bbls of gel (1.5 sx). Pulled tubing to 286' and pumped 30 sx of Class A cement to surface. Had gel from 1460' to 1650', cement from 1200' to 1460', gel from 275' to 1200' and cement from surface to 285'.

Name of Plugging Contractor: Hurricane Well Service, Inc.
Address: PO Box 782228 Wichita KS 67278-2228
Name of Party Responsible for Plugging Fees: Hurricane Well Service, Inc.
State of Kansas, ss.
Darrel G. Walters

KANSAS CORPORATION COMMISSION
RECEIVED
JUL 05, 2006

CONSERVATION DIVISION
WICHITA, KS

Notary Public

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita Kansas 67202
LYLIA M. CLARK
My App. Exp. 12-21-07
**Charge to:** Heartland Oil & Gas  
**Address:**  
**City:**  
**County:** Jackson  
**State:**  
**Zip:**  
**Lease & Well No.:** Boldridge 1  
**Contractor:** Horitane Reg #7  
**Kind of Job:** Plug to Abandon  
**Sec.:**  
**Twp.:**  
**Rng:** 21 Eas/t  
**Direction to LOC:**  
**Serv. Charge:** $50.00  

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Material Used</th>
<th>Serv. Charge</th>
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<tbody>
<tr>
<td>605x</td>
<td>Class A</td>
<td></td>
</tr>
<tr>
<td>85x</td>
<td>Bel</td>
<td></td>
</tr>
<tr>
<td>15x</td>
<td>Cotton seed hulls</td>
<td></td>
</tr>
<tr>
<td>685x</td>
<td>Bulk Charge</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bulk Trk. Miles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pum Trk. Miles</td>
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</tr>
</tbody>
</table>

**T.D.:** 1706 PDTO 1665  
**Csg. Set at:** 1706  
**Volume:**  
**Size Hole:** 7"  
**Max. Press.:** 2000  
**Plug Depth:** 1200-1460/0-886  
**Plug Used:** Class A  
**Time Finished:** 11:00a  

**Remarks:** See Attachment  

**Equipment Used**  
**Name:** Sam Argo  
**Unit No.:** 89  
**Name:** Jerry Straker  
**Unit No.:** 91  

**Owner’s Rep.:**  

**Cementer or Theater:**  

**Kansas Corporation Commission:**  
**Conservation Division:** Wichita, KS  
**Received:** Jul 05 2006
**Acid/Cementing Log**

**Hurricane Truck Services, Inc.**
P.O. Box 782228
Wichita, KS 67278-2228

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**CEMENT DATA:**

<table>
<thead>
<tr>
<th>Spacing Type:</th>
<th>Cell 1</th>
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<tbody>
<tr>
<td>Amt.</td>
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<tr>
<td>Skin Yield</td>
<td>1.2</td>
</tr>
<tr>
<td>Permeability</td>
<td>1/5</td>
</tr>
</tbody>
</table>

**LEAD: Pump Time:**

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<th>Skin Yield</th>
<th>Permeability</th>
<th>Rate</th>
<th>PPG</th>
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</thead>
<tbody>
<tr>
<td>60</td>
<td>1.17</td>
<td>0.5</td>
<td>5</td>
<td>15.2</td>
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**TAIL: Pump Time:**

<table>
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<th>Amt.</th>
<th>Skin Yield</th>
<th>Permeability</th>
<th>Rate</th>
<th>PPG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**WATER: Lead 5,2 gals/bbl, Tail, pink, Total 75 bbls**

**Acid Type:**

**RECEIVED**

**KANSAS CORPORATION COMMISSION**

**JUL 05 2006**

**Flow Equipment:**

- **Manufacturer:** CONSERVATION DIVISION - WICHITA, KS
- **Model:**
- **Type:**
- **Serial:**
- **Stage Collar:**
- **Special Equipment:**
- **Disp. Fluid Type:**
- **Pump 4:**

**Company Representative:**

**Cementer/Tracer:** Neal Kuepp

**COMPANY REPRESENTATIVE:**

**REMARKS**

- **TIME:**
- **PRESSURES PSI:**
- **FLUID PUMPED DATA:**

<table>
<thead>
<tr>
<th>AM / PM</th>
<th>DRILL PIPE Casing</th>
<th>Annulus</th>
<th>Total Fluid</th>
<th>Pumped Per Time Period</th>
<th>Rate psi Min.</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>100</td>
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</tr>
</tbody>
</table>

- **Remarks:**
  - Run Tubing T5 Casing 16\(\frac{5}{8}\)" Ceil 17460 - 16600 - Pump C50 15.8 H
  - Pump C50 15.8 H - Pump C50 15.8 H
  - Cement to Top of Ceil Disp (1/2)...
  - Cement in Place - Shut Down
  - Ceil 16600 - 16800
  - Ceil 12000 - 14400
  - Ceil 2275 - 1200
  - Ceil 2825 - Ceil 16800
  - Use 600# Class A
  - Use Low Grade - 600# Class A
  - Ceil 8 - 2860
  - Use 600# Class A
  - Use Low Grade - 600# Class A
  - Ceil 8 - 2860

**FINAL DISPL. PRESS:**

**Pump:**

- Final Pump: 0 psi

**ISIP:**

- ISIP: 5 min
- Pump: 10 min
- Bleedback: 15 min
- BBLS: 0.04

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**Additional Details:**

- **Pump:** Hurricane Well Service, Inc.
- **Location:**
- **Date:** 2-10-06
- **Drill Pipe Size:** 7 7/8"
- **Open Hole Size:** 7 7/8"
- **Casing Depth:** Top 57/8 1/8", Bottom 57/8 1/8"