WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator:  License # 6600
Name:  Don Karst Well Service, Inc.
Address:  P. O. Box 1316
City/State/Zip:  Hays, Kansas 67601
Purchaser:  none
Operator Contact Person:  Don Karst
Phone:  (913)-628-1125
Contractor:  Name:  Emphasis Oil Operations
License:  8241
Wellsite Geologist:  Ron Nelson
Designate Type of Completion:  X New Well  Re-Entry  Workover
     X Oil    SVO  SIOV  Temp. Abd.
     Dry  Other (Core, USW, Expl., Cathodic, etc.)
If Workover/Re-Entry: old well info as follows:
Operator:  
Well Name:  
Comp. Date:  Old Total Depth
     Deepening  Re-perf.  Conv. to Inj/SVO
     Plug Back  PBD
     Commingled  Docket No.
     Dual Completion  Docket No.
     Other (SVO or Inj)  Docket No.
7/19/94  7/28/94  7/28/94
Spud Date  Date Reached TD  Completion Date

#15-153-20,800  ORIGINAL
County  Rawlins
330' N  SW - SE  Sec. 31  Twp. 58  Rge. 36  X W
6390  990  Feet from NW (circle one) Line of Section
1980  Feet from SW (circle one) Line of Section
Footages Calculated from Kearest Outside Section Corner:
NE, NW, SE, or SW (circle one)
Lease Name:  Briney  Well # 5
Field Name:  Tovrea Conf.
Producing Formation:  none
Elevation:  Ground  3415'  EB  3420'
Total Depth:  4761'  PBD  n/a
Amount of Surface Pipe Set and Cemented at:  407 Feet
Multiple Stage Cementing Collar Used?  Yes  No
If yes, show depth set  Feet
If Alternate II completion, cement circulated from  407 Feet
Depth to surface  225  ex cat.
Drilling Fluid Management Plan  D&A  3-28-95
(Data must be collected from the Reserve Pit)
Chloride content  500  ppm  Fluid volume  3000  bbls
Devatering method used  evaporation
Location of fluid disposal if hauled offshore:
Operator Name:  
Lease Name:  
License No.
County  Quarter Sec.  Twp.  S Rng.  E/W  Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado
Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well.
Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on sides 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS
MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 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:  Donald Karst
Title:  Don Karst, President
Date:  9-14-94
Subscribed and sworn to before me this 14th day of September 1994.

Jurat:  Colleen Payton
Jurat:  Colleen Payton
Notary Public
Date Commission Expires  3-2-95

KCC OFFICE USE ONLY
E  Letter of Confidentiality Attached
F  Wireline Log Received
G  Geologist Report Received

STATE CORPORATION COMMISSION
Form 1-111 (9/94)
Drill Stem Tests Taken
(Attach Additional Sheets.)
☐ Yes ☐ No

Samples Sent to Geological Survey
☐ Yes ☐ No

Cores Taken
☐ Yes ☐ No

Electric Log Run
(Submit Copy.)
☐ Yes ☐ No

List All E. Logs Run:
compensated density neutron, dual induction log

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Casing Record

Report all strings set-conductor, surface, intermediate, production, etc.

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing (In.G.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12-1/4</td>
<td>8-5/8</td>
<td>408' common</td>
<td></td>
<td></td>
<td>225</td>
<td>33 CC, 2% gel</td>
</tr>
</tbody>
</table>

Additional Cementing/Squeeze Record

<table>
<thead>
<tr>
<th>Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
</tr>
</tbody>
</table>

Perforation Record - Bridge plugs set/Type Specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and kind of material used) Depth

NONE

Tubing Record

Size Set At Packer At Liner Run

D&A

Date of First, Resumed Production, SWD or Inj. Producing Method

[Flowing Pumping Gas Lift Other (Explain)]

Estimated Production Per 24 Hours

N/A Bbls. Gas N/A Mcf Water N/A Bbls. N/A Ratio

Disposition of Gas:
☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit AGC-16.)

Method of Completion
☐ Open Hole ☐ Perf ☐ Duly Comp ☐ Commingled ☒ Other (Specify) plugged

Production Interval

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**TRILOBITE TESTING, L.L.C.**  
P.O. Box 362 • Hays, Kansas 67601

**Drill-Stem Test Data**  
API#15-153-20800

<table>
<thead>
<tr>
<th>Well Name</th>
<th>BRINEY #5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company</td>
<td>DON KARST WELL SERVICE</td>
</tr>
<tr>
<td>Address</td>
<td>615 W. WICHITA AVE. RUSSELL, 67665</td>
</tr>
<tr>
<td>Co. Rep./Geo.</td>
<td>GATOR</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>31</td>
</tr>
<tr>
<td>Twp.</td>
<td>5</td>
</tr>
<tr>
<td>Rge.</td>
<td>36W</td>
</tr>
<tr>
<td>Co. RAWLINS</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>KS</td>
</tr>
</tbody>
</table>

| Interval Tested    | 4615-4664 |
| Anchor Length      | 49 |
| Top Packer Depth   | 4610-4615 |
| Bottom Packer Depth| 4664 |
| Total Depth        | 4762 |

**Drill Pipe Size** 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run  242
Drill Collar - 2.25 Ft. Run  9.4 lb/Gal.
Viscosity  47 Filtrate  9.6

**Tool Open**  1:15 A.M. Initial Blow  WEAK SURFACE TO 9" IN 45 MIN—NO BLOW ON FIRST SHUT-IN

Final Blow  WEAK SURFACE TO 7" IN 45 MIN—NO BLOW ON SHUT

<table>
<thead>
<tr>
<th>Recovery - Total Feet</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rec. 282 Feet of</td>
<td>GAS IN PIPE</td>
</tr>
<tr>
<td>Rec. 90 Feet of</td>
<td>OIL CUT MUD 3%OIL/97%MUD</td>
</tr>
</tbody>
</table>

**BHT** 125 °F  Gravity  °API  °F Corrected Gravity  °API

**RW** @  °F Chlorides ppm Recovery  Chlorides 500 ppm System

(A) Initial Hydrostatic Mud  2288.1 PSI  AK1 Recorder No. 11057  Range 4500

(B) First Initial Flow Pressure  43.3 PSI  @ (depth) 4625 w / Clock No. 21048

(C) First Final Flow Pressure  61.1 PSI  AK1 Recorder No. 11058  Range 4500

(D) Initial Shut-in Pressure  88.8 PSI  @ (depth) 4654 w / Clock No. 25108

(E) Second Initial Flow Pressure  72.2 PSI  AK1 Recorder No. 2023  Range 4000

(F) Second Final Flow Pressure  73.3 PSI

(G) Final Shut-in Pressure  86.6 PSI

(H) Final Hydrostatic Mud  2193.9 PSI

Our Representative  MARK HERSKOWITZ
## Drill-Stem Test Data

**Well Name:** BRINEY #5  
**Company:** DON KARST WELL SERVICE  
**Address:** 615W. WICHITA AVE.RUSSELL, 67665  
**Co. Rep./Geo.:** GATOR  
**Location: Sec.** 31  
**Test No.:** 2  
**Date:** 7/28/94  
**Zone:** PAWNEE  
**Est. Ft. of Pay:**  
**Cont.:** EMPHASIS RIG 8  
**Twp.:** 5  
**Rge.:** 36W  
**Co.:** RAWLINS  
**State:** KS

<table>
<thead>
<tr>
<th>Interval Tested</th>
<th>4665-4710</th>
<th>Drill Pipe Size</th>
<th>4.5&quot; XH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anchor Length</td>
<td>45</td>
<td>Wt. Pipe I.D.</td>
<td>- 2.7 Ft. Run</td>
</tr>
<tr>
<td>Top Packer Depth</td>
<td>4660-4665</td>
<td>Drill Collar</td>
<td>225 Ft. Run</td>
</tr>
<tr>
<td>Bottom Packer Depth</td>
<td>4710</td>
<td>Mud Wt.</td>
<td>9.4</td>
</tr>
<tr>
<td>Total Depth</td>
<td>4762</td>
<td>Viscosity</td>
<td>47</td>
</tr>
</tbody>
</table>

**Tool Open @ 8:37 A.M. Initial Blow WEAK SURFACE TO NO BLOW IN 11 MIN**

**Final Blow NO FINAL SHUT-IN**

<table>
<thead>
<tr>
<th>Recovery - Total Feet</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rec.</td>
<td>10</td>
</tr>
</tbody>
</table>

**SLIGHTLY OIL STAINED MUD 100% MUD**

<table>
<thead>
<tr>
<th>BHT</th>
<th>124 °F</th>
<th>Gravity</th>
<th>️API</th>
<th>@</th>
<th>°F Corrected Gravity</th>
<th>️API</th>
<th>ppm Recovery</th>
<th>Chlorides</th>
<th>ppm System</th>
</tr>
</thead>
<tbody>
<tr>
<td>RW</td>
<td></td>
<td>@</td>
<td>°F</td>
<td>Chlorides</td>
<td>ppm Recovery</td>
<td>Chlorides</td>
<td>500 ppm System</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(A) Initial Hydrostatic Mud | 2278.0 PSI  | AK1 Recorder No. | 11057 | Range | 4500 |

(B) First Initial Flow Pressure | 25.5 PSI  | @ (depth) | 4670 | w/Clock No. | 21048 |

(C) First Final Flow Pressure | 25.5 PSI  | AK1 Recorder No. | 11058 | Range | 4500 |

(D) Initial Shut-in Pressure | 25.5 PSI  | @ (depth) | 4700 | w/Clock No. | 25108 |

(E) Second Initial Flow Pressure | 0.0 PSI  | AK1 Recorder No. | 2023 | Range | 4000 |

(F) Second Final Flow Pressure | 0.0 PSI  | @ (depth) | 4757 | w/Clock No. | 7452 |

(G) Final Shut-in Pressure | 0.0 PSI  | Initial Opening | 15 | Final Flow | 0 |

(H) Final Hydrostatic Mud | 2228.6 PSI  | Initial Shut-in | 15 | Final Shut-in | 0 |

*Our Representative*  
MARK HERSKOWITZ
**ALLIED CEMENTING CO., INC.**

Home Office P. O. Box 31
Russell, Kansas 67665

<table>
<thead>
<tr>
<th>Date</th>
<th>Sec.</th>
<th>Twp.</th>
<th>Range</th>
<th>Called Out</th>
<th>On Location</th>
<th>Job Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-28-94</td>
<td>31</td>
<td>5</td>
<td>36</td>
<td>8:30 AM</td>
<td>1:00 PM</td>
<td>1:45 AM</td>
<td>5:00 PM</td>
</tr>
</tbody>
</table>

**Lease**

<table>
<thead>
<tr>
<th>Briny</th>
<th>Well No.</th>
<th>Location</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>14M 3 W</td>
<td>Rawlings</td>
<td>KS</td>
</tr>
</tbody>
</table>

**Contractor**

Emphasis Rig 8

**Type Job**

P711

**Hole Size**

7 7/8

**T.D.**

4761

**Casing Size**

Depth

**Tubing Size**

Depth

**Drill Pipe**

Depth 3110'

**Tool**

Depth

**Cement Left in Casing**

Shoe Joint

**Press Max.**

Minimum

**Meas Line**

Displace

**Perf.**

---

**EQUIPMENT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Cements</th>
<th>Helper</th>
<th>Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td>276</td>
<td>Cementer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>191</td>
<td>Helper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>Driver</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DEPTH of Job**

3110'

**Reference:**

Pump Trk Cbgy

2 1/2 Tote MIle

5 & 6 Dry Hole Plus

**Sub Total**

Tax

**Total**

**Remarks:**

1st Aug 2 110' w/55k$

2d Aug 2 220' w/100k$

3rd Aug 4 50' w/90k$

16 sk in 7/8 Hls

15 sk in P17 Hls

---

**Owner**

Don Kars Well Service

**Charge To**

Don Kars Well Service

**Street**

P.O. Box 1316

**City**

Hays

**State**

KS 67601

The above was done to satisfaction and supervision of owner agent or contractor.

**Purchase Order No.**

X 9983 5 79

**CEMENT**

Amount Ordered 190 sk 60/10 190 G=1 32 C

**Consisting of**

- Common
- Poz. Mix
- Gel
- Chloride
- Quickset

**Sales Tax**

**Handling**

**Mileage**

Sub Total

Total

---

**STATE CORPORATION COMMISSION**

CONSERVATION DIVISION

SEP 2-4 1984

[Signature]
### Allied Cementing Co., Inc.

**Home Office P. O. Box 31**
**Russell, Kansas 67665**

<table>
<thead>
<tr>
<th>Date</th>
<th>Sec.</th>
<th>Twp.</th>
<th>Range</th>
<th>Called Out</th>
<th>On Location</th>
<th>Job Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-19-94</td>
<td>31</td>
<td>5</td>
<td>36</td>
<td>2:30 pm</td>
<td></td>
<td>16:15</td>
<td></td>
</tr>
</tbody>
</table>

**Lease:** Beaver  
**Well No.:** 5  
**Location:** Beaver T70°15’N  
**County:** Rawlin's  
**State:** KS

**Contractor:** Ennis  
**Type Job:** Surface

<table>
<thead>
<tr>
<th>Hole Size</th>
<th>T.D.</th>
<th>Cag.</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>12’4”</td>
<td>415</td>
<td>6’</td>
<td>908</td>
</tr>
</tbody>
</table>

**Drill Pipe**  
**Tool**  
**Cement Left in Cag.** 15’  
**Press Max.** Minimum  
**Mess Line** Displace 24’ 881

**Perf.**

#### Equipment

<table>
<thead>
<tr>
<th>Item</th>
<th>1.41</th>
<th>Cementer</th>
<th>Dave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumprk</td>
<td>158</td>
<td>Helper</td>
<td>Mike</td>
</tr>
<tr>
<td>Pumprk</td>
<td></td>
<td>Cementer</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Helper</td>
<td></td>
</tr>
<tr>
<td>Bulktrk</td>
<td>212</td>
<td>Driver</td>
<td>Paul</td>
</tr>
<tr>
<td>Bulktrk</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Depth of Job

| Reference | 12 3’ Pump To 1  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8 Sundown Plug</td>
</tr>
<tr>
<td>Sub Total</td>
<td>Tax</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Remarks:

*Cement Ctr*