

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

|   |  |         |             |                       |
|---|--|---------|-------------|-----------------------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |         |             |                       |
| Estimated Production Per 24 Hours                                   | Oil Bbls.  | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |

|   |   |                                    |
|---|---|------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|





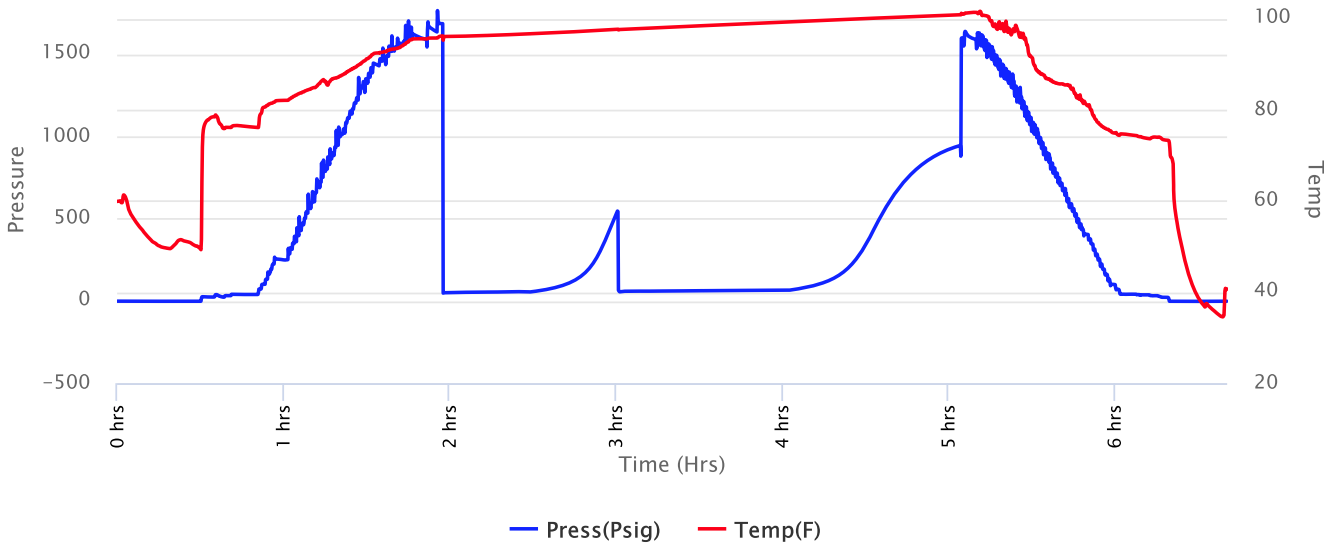
**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**11**  
 2017

**DST #1**      **Formation: Lsg H, I, J, K**      **Test Interval: 3314 - 3416'**      **Total Depth: 3416'**  
 Time On: 00:41 12/11      Time Off: 07:28 12/11  
 Time On Bottom: 02:36 12/11      Time Off Bottom: 05:36 12/11

|                                    |  |   |  |   |
|------------------------------------|--|---|--|---|
| Electronic Volume Estimate:<br>61' | <u>1st Open</u><br>Minutes: 30<br>2.8" at 30 min | <u>1st Close</u><br>Minutes: 30<br>0" at 30 min | <u>2nd Open</u><br>Minutes: 60<br>4.2" at 60 min | <u>2nd Close</u><br>Minutes: 60<br>0" at 60 min |
|------------------------------------|--|---|--|---|





**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
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 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
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**11**  
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**DST #1**      **Formation: Lsg H, I, J, K**      **Test Interval: 3314 - 3416'**      **Total Depth: 3416'**  
 Time On: 00:41 12/11      Time Off: 07:28 12/11  
 Time On Bottom: 02:36 12/11      Time Off Bottom: 05:36 12/11

Recovered

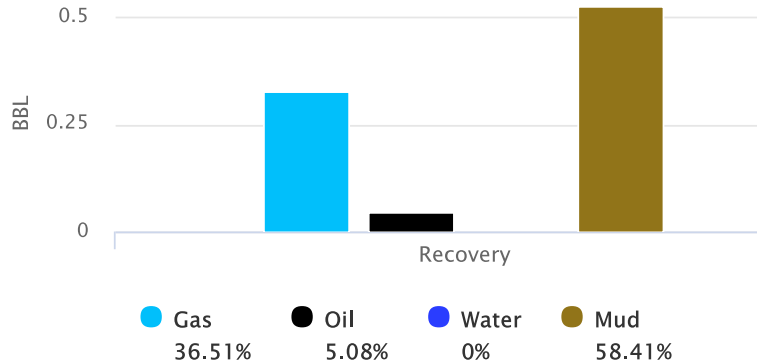
| Foot | BBLs    | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 23   | 0.32729 | G                    | 100   | 0     | 0       | 0     |
| 40   | 0.5692  | SLOCM                | 0     | 8     | 0       | 92    |

Total Recovered: 63 ft  
 Total Barrels Recovered: 0.89649

Reversed Out  
 NO

|   |            |            |
|---|------------|------------|
| Initial Hydrostatic Pressure                | 1594       | PSI        |
| Initial Flow                                | 48 to 57   | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>544</b> | <b>PSI</b> |
| Final Flow Pressure                         | 56 to 66   | PSI        |
| <b>Final Closed in Pressure</b>             | <b>940</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1595       | PSI        |
| Temperature                                 | 101        | °F         |
| Pressure Change Initial Close / Final Close | 0.0        | %          |

**Recovery at a glance**





**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>11</b><br>2017 |
|--|

|               |                                      |  |                           |
|---------------|--------------------------------------|--|---------------------------|
| <b>DST #1</b> | <b>Formation: Lsg H, I,<br/>J, K</b> | <b>Test Interval: 3314 -<br/>3416'</b> | <b>Total Depth: 3416'</b> |
|               | Time On: 00:41 12/11                 | Time Off: 07:28 12/11                  |                           |
|               | Time On Bottom: 02:36 12/11          | Time Off Bottom: 05:36 12/11           |                           |

**REMARKS:**

IF: 1/2" Built to 3" in 30 mins.  
IS: 0" Blowback  
FF: 1" Built to 4.5" in 60 mins.  
FS: 0" Blowback

Diesel in bucket.

TOOL SAMPLE: 10% O 65% W 25% M

Ph: 7

RW: .58 @ 32 degrees F

Chlorides: 28000 ppm





**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>11</b><br>2017 |
|--|

**DST #1**      **Formation: Lsg H, I,  
J, K**      **Test Interval: 3314 -  
3416'**      **Total Depth: 3416'**

Time On: 00:41 12/11      Time Off: 07:28 12/11  
Time On Bottom: 02:36 12/11      Time Off Bottom: 05:36 12/11

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.8      **Viscosity:** 57      **Filtrate:** 6.4      **Chlorides:** 4800 ppm





**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

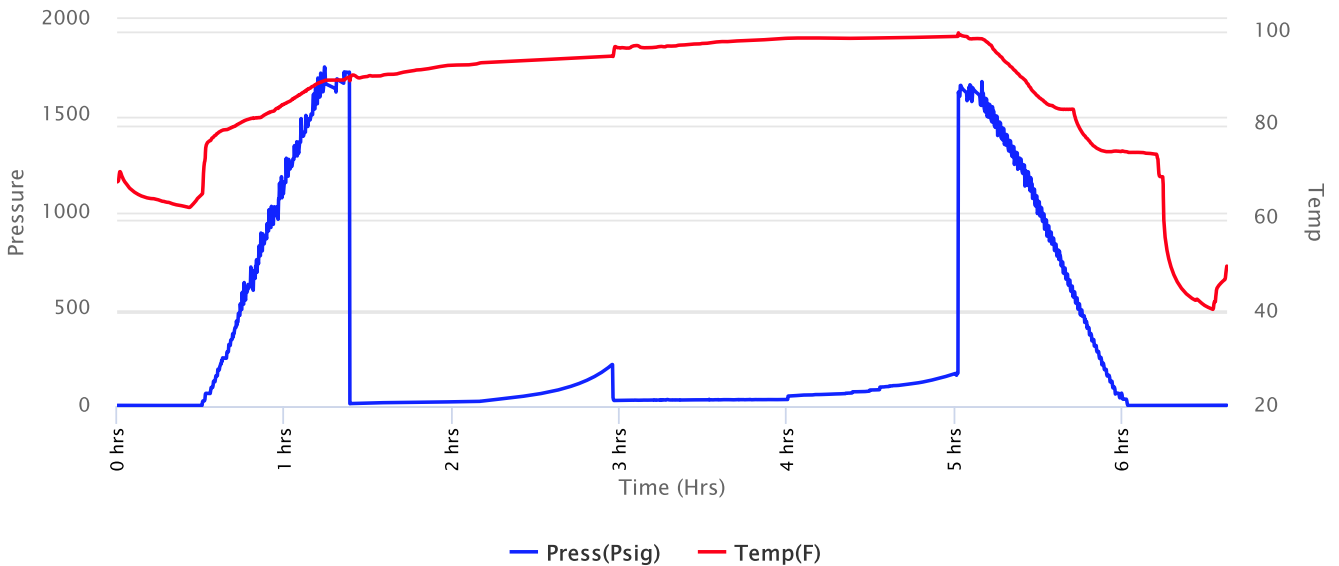
SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**11**  
 2017

**DST #2 Formation: Arbuckle Test Interval: 3426 - 3471' Total Depth: 3471'**

Time On: 14:15 12/11 Time Off: 20:43 12/11  
 Time On Bottom: 15:38 12/11 Time Off Bottom: 19:08 12/11

| Electronic Volume Estimate: | <u>1st Open</u><br>Minutes: 45 | <u>1st Close</u><br>Minutes: 45 | <u>2nd Open</u><br>Minutes: 60 | <u>2nd Close</u><br>Minutes: 60 |
|-----------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| 34'                         | 2.8" at 45 min                 | 0" at 45 min                    | 1" at 60 min                   | 0" at 60 min                    |





**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**11**  
 2017

**DST #2**    **Formation: Arbuckle**    **Test Interval: 3426 - 3471'**    **Total Depth: 3471'**

Time On: 14:15 12/11    Time Off: 20:43 12/11  
 Time On Bottom: 15:38 12/11    Time Off Bottom: 19:08 12/11

Recovered

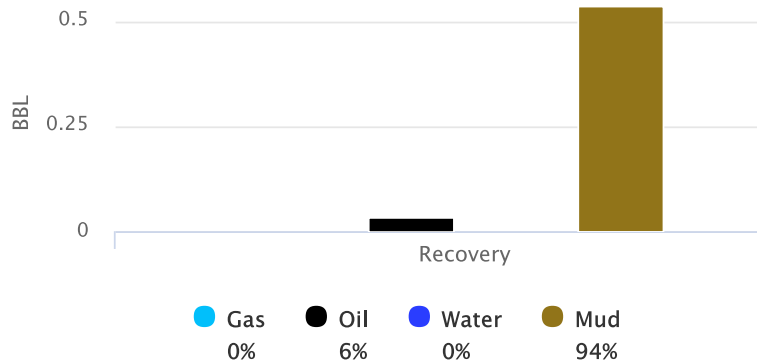
| <u>Foot</u> | <u>BBLs</u> | <u>Description of Fluid</u> | <u>Gas %</u> | <u>Oil %</u> | <u>Water %</u> | <u>Mud %</u> |
|-------------|-------------|-----------------------------|--------------|--------------|----------------|--------------|
| 40          | 0.5692      | SLOCM                       | 0            | 6            | 0              | 94           |

Total Recovered: 40 ft  
 Total Barrels Recovered: 0.5692

**Reversed Out**  
 NO

|   |            |            |
|---|------------|------------|
| Initial Hydrostatic Pressure                | 1679       | PSI        |
| Initial Flow                                | 13 to 24   | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>216</b> | <b>PSI</b> |
| Final Flow Pressure                         | 30 to 35   | PSI        |
| <b>Final Closed in Pressure</b>             | <b>167</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1642       | PSI        |
| Temperature                                 | 99         | °F         |
| Pressure Change Initial Close / Final Close | 22.5       | %          |

**Recovery at a glance**





**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>11</b><br>2017 |
|--|

**DST #2      Formation: Arbuckle      Test Interval: 3426 -      Total Depth: 3471'**  
**3471'**

Time On: 14:15 12/11      Time Off: 20:43 12/11  
Time On Bottom: 15:38 12/11      Time Off Bottom: 19:08 12/11

**REMARKS:**

IF: 1/2" Built to 3" in 45 mins.  
IS: No Blowback  
FF: 1" Built to 1 1/4" in 60 mins.  
FS: No Blowback

Diesel in Bucket

TOOL SAMPLE: 6% O 94% M



**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <p><b>DATE</b><br/>December<br/><b>11</b><br/>2017</p> |
|--|

**DST #2    Formation: Arbuckle    Test Interval: 3426 - 3471'    Total Depth: 3471'**

Time On: 14:15 12/11                      Time Off: 20:43 12/11  
Time On Bottom: 15:38 12/11    Time Off Bottom: 19:08 12/11

**Down Hole Makeup**

|   |                                 |
|---|---------------------------------|
| <b>Heads Up:</b> 26.03 FT                                   | <b>Packer 1:</b> 3420.9 FT      |
| <b>Drill Pipe:</b> 3426.77 FT<br><i>ID-3 1/2</i>            | <b>Packer 2:</b> 3425.9 FT      |
| <b>Weight Pipe:</b> 0 FT<br><i>ID-2 7/8</i>                 | <b>Top Recorder:</b> 3412.9 FT  |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                     | <b>Bottom Recorder:</b> 3459 FT |
| <b>Test Tool:</b> 26.16 FT<br><i>ID-3 1/2-FH</i>            | <b>Well Bore Size:</b> 7 7/8    |
| <b>Total Anchor:</b> 45.1                                   | <b>Surface Choke:</b> 1"        |
| <b><u>Anchor Makeup</u></b>                                 | <b>Bottom Choke:</b> 5/8"       |
| <b>Packer Sub:</b> 1 FT                                     |                                 |
| <b>Perforations: (top):</b> 0 FT<br><i>4 1/2-FH</i>         |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Drill Pipe: (in anchor):</b> 30.10 FT<br><i>ID-3 1/2</i> |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Perforations: (below):</b> 13 FT<br><i>4 1/2-FH</i>      |                                 |



**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
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Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>11</b><br>2017 |
|--|

**DST #2    Formation: Arbuckle    Test Interval: 3426 -    Total Depth: 3471'**  
**3471'**

Time On: 14:15 12/11                      Time Off: 20:43 12/11  
Time On Bottom: 15:38 12/11    Time Off Bottom: 19:08 12/11

**Mud Properties**

**Mud Type:** Chem                      **Weight:** 9.2                      **Viscosity:** 59                      **Filtrate:** 7.2                      **Chlorides:** 6000 ppm



**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

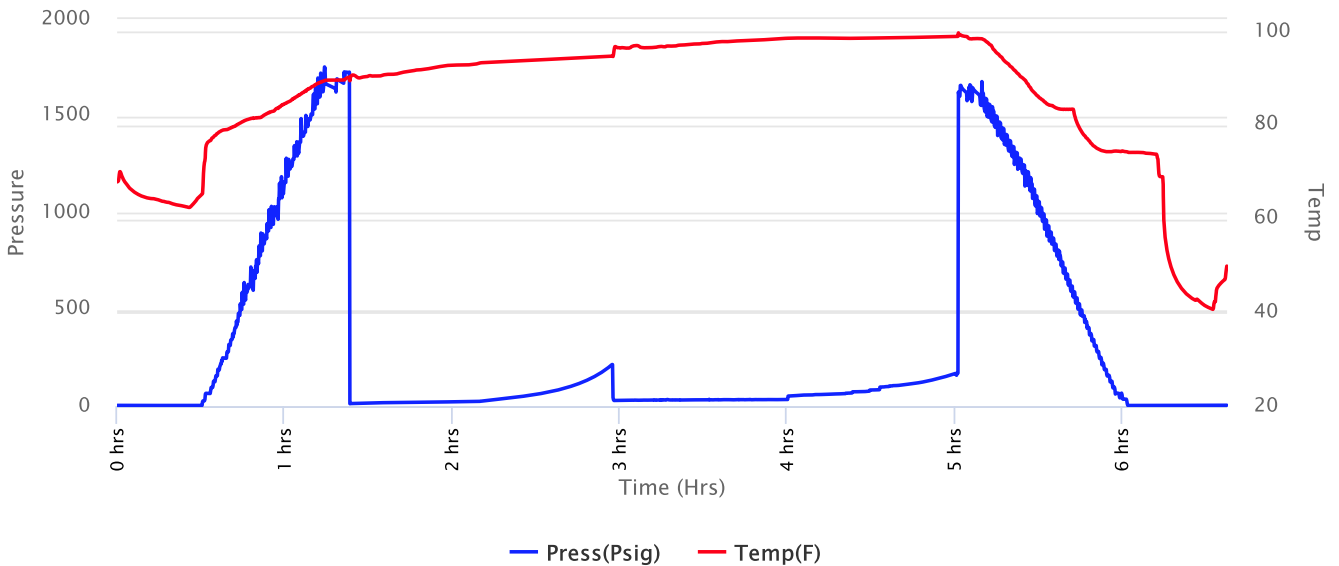
SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
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**DST #2**    **Formation: Arbuckle**    **Test Interval: 3426 - 3471'**    **Total Depth: 3471'**

Time On: 14:15 12/11    Time Off: 20:43 12/11  
 Time On Bottom: 15:38 12/11    Time Off Bottom: 19:08 12/11

| Electronic Volume Estimate: | <u>1st Open</u><br>Minutes: 45 | 1st Close<br>Minutes: 45 | <u>2nd Open</u><br>Minutes: 60 | 2nd Close<br>Minutes: 60 |
|-----------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|
| 34'                         | 2.8" at 45 min                 | 0" at 45 min             | 1" at 60 min                   | 0" at 60 min             |





**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

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Time On: 14:15 12/11    Time Off: 20:43 12/11  
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Recovered

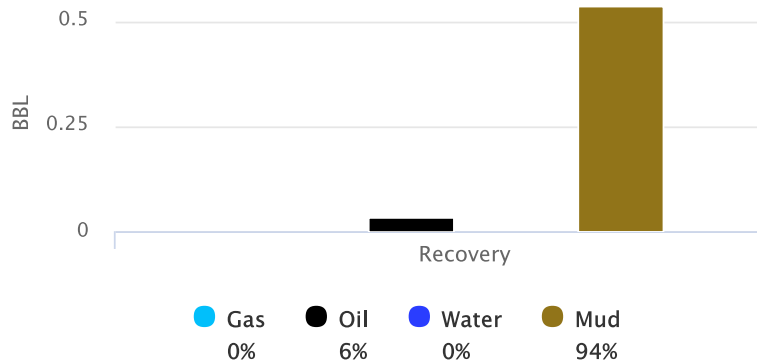
| <u>Foot</u> | <u>BBLs</u> | <u>Description of Fluid</u> | <u>Gas %</u> | <u>Oil %</u> | <u>Water %</u> | <u>Mud %</u> |
|-------------|-------------|-----------------------------|--------------|--------------|----------------|--------------|
| 40          | 0.5692      | SLOCM                       | 0            | 6            | 0              | 94           |

Total Recovered: 40 ft  
 Total Barrels Recovered: 0.5692

**Reversed Out**  
 NO

|   |            |            |
|---|------------|------------|
| Initial Hydrostatic Pressure                | 1679       | PSI        |
| Initial Flow                                | 13 to 24   | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>216</b> | <b>PSI</b> |
| Final Flow Pressure                         | 30 to 35   | PSI        |
| <b>Final Closed in Pressure</b>             | <b>167</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1642       | PSI        |
| Temperature                                 | 99         | °F         |
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**Recovery at a glance**





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Inc  
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|  |
|--|
| <b>DATE</b><br>December<br><b>11</b><br>2017 |
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**DST #2      Formation: Arbuckle      Test Interval: 3426 -      Total Depth: 3471'**  
**3471'**

Time On: 14:15 12/11      Time Off: 20:43 12/11  
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Diesel in Bucket

TOOL SAMPLE: 6% O 94% M





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Inc  
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SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <p><b>DATE</b><br/>December<br/><b>11</b><br/>2017</p> |
|--|

**DST #2    Formation: Arbuckle    Test Interval: 3426 - 3471'    Total Depth: 3471'**

Time On: 14:15 12/11                      Time Off: 20:43 12/11  
Time On Bottom: 15:38 12/11    Time Off Bottom: 19:08 12/11

**Down Hole Makeup**

|   |                                 |
|---|---------------------------------|
| <b>Heads Up:</b> 26.03 FT                                   | <b>Packer 1:</b> 3420.9 FT      |
| <b>Drill Pipe:</b> 3426.77 FT<br><i>ID-3 1/2</i>            | <b>Packer 2:</b> 3425.9 FT      |
| <b>Weight Pipe:</b> 0 FT<br><i>ID-2 7/8</i>                 | <b>Top Recorder:</b> 3412.9 FT  |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                     | <b>Bottom Recorder:</b> 3459 FT |
| <b>Test Tool:</b> 26.16 FT<br><i>ID-3 1/2-FH</i>            | <b>Well Bore Size:</b> 7 7/8    |
| <b>Total Anchor:</b> 45.1                                   | <b>Surface Choke:</b> 1"        |
| <b><u>Anchor Makeup</u></b>                                 | <b>Bottom Choke:</b> 5/8"       |
| <b>Packer Sub:</b> 1 FT                                     |                                 |
| <b>Perforations: (top):</b> 0 FT<br><i>4 1/2-FH</i>         |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Drill Pipe: (in anchor):</b> 30.10 FT<br><i>ID-3 1/2</i> |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Perforations: (below):</b> 13 FT<br><i>4 1/2-FH</i>      |                                 |



**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>11</b><br>2017 |
|--|

**DST #2    Formation: Arbuckle    Test Interval: 3426 - 3471'    Total Depth: 3471'**

Time On: 14:15 12/11                      Time Off: 20:43 12/11  
Time On Bottom: 15:38 12/11    Time Off Bottom: 19:08 12/11

**Mud Properties**

**Mud Type:** Chem                      **Weight:** 9.2                      **Viscosity:** 59                      **Filtrate:** 7.2                      **Chlorides:** 6000 ppm



**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**12**  
 2017

**DST #3 Formation: Arbuckle Test Interval: 3426 - 3481' Total Depth: 3481'**

Time On: 01:28 12/12 Time Off: 07:46 12/12  
 Time On Bottom: 03:01 12/12 Time Off Bottom: 06:16 12/12

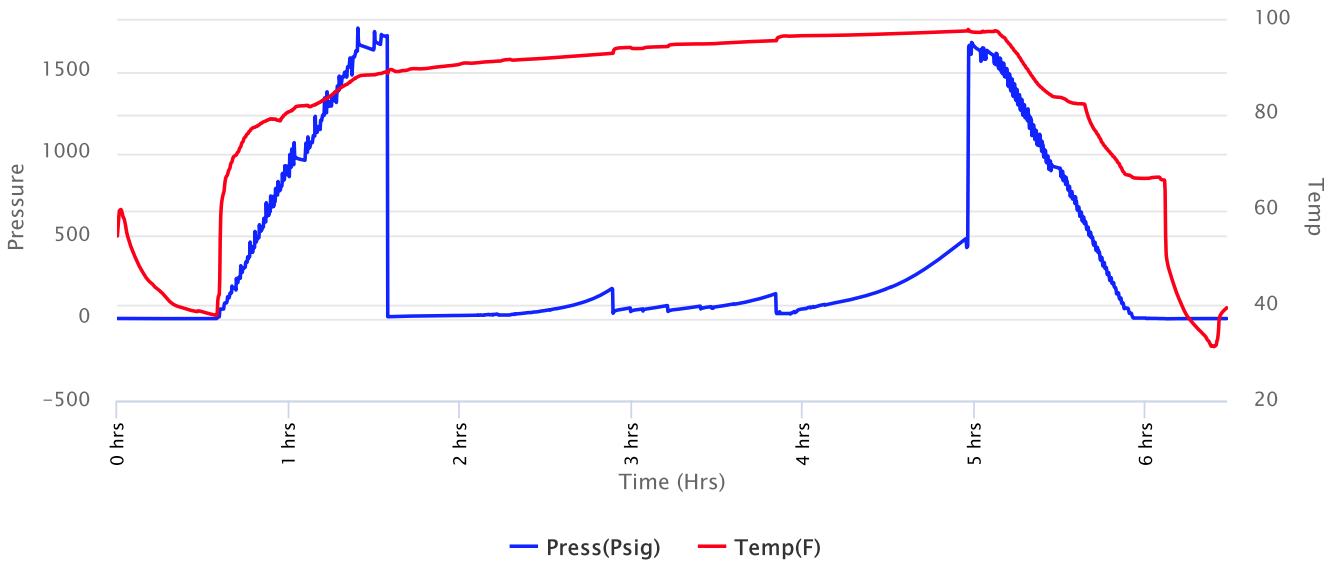
Electronic Volume Estimate:  
 40'

1st Open  
 Minutes: 45  
 2.8" at 45 min

1st Close  
 N/A

2nd Open  
 Minutes: 60  
 1.6" at 60 min

2nd Close  
 Minutes: 60  
 0" at 60 min





**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**12**  
 2017

**DST #3 Formation: Arbuckle Test Interval: 3426 - 3481' Total Depth: 3481'**

Time On: 01:28 12/12 Time Off: 07:46 12/12  
 Time On Bottom: 03:01 12/12 Time Off Bottom: 06:16 12/12

Recovered

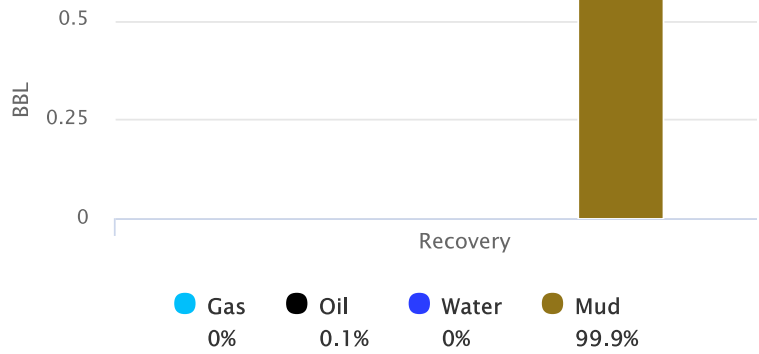
| Foot | BBLs   | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|--------|----------------------|-------|-------|---------|-------|
| 40   | 0.5692 | M (trace O)          | 0     | .1    | 0       | 99.9  |

Total Recovered: 40 ft  
 Total Barrels Recovered: 0.5692

**Reversed Out**  
 NO

|   |            |            |
|---|------------|------------|
| Initial Hydrostatic Pressure                | 1647       | PSI        |
| Initial Flow                                | 10 to 20   | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>181</b> | <b>PSI</b> |
| Final Flow Pressure                         | 31 to 30   | PSI        |
| <b>Final Closed in Pressure</b>             | <b>469</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1644       | PSI        |
| Temperature                                 | 98         | °F         |
| Pressure Change Initial Close / Final Close | 0.0        | %          |

**Recovery at a glance**







**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <p><b>DATE</b><br/>December<br/><b>12</b><br/>2017</p> |
|--|

**DST #3    Formation: Arbuckle    Test Interval: 3426 - 3481'    Total Depth: 3481'**  
Time On: 01:28 12/12    Time Off: 07:46 12/12  
Time On Bottom: 03:01 12/12    Time Off Bottom: 06:16 12/12

**Down Hole Makeup**

|   |                                 |
|---|---------------------------------|
| <b>Heads Up:</b> 26.03 FT                                   | <b>Packer 1:</b> 3420.9 FT      |
| <b>Drill Pipe:</b> 3426.77 FT<br><i>ID-3 1/2</i>            | <b>Packer 2:</b> 3425.9 FT      |
| <b>Weight Pipe:</b> 0 FT<br><i>ID-2 7/8</i>                 | <b>Top Recorder:</b> 3412.9 FT  |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                     | <b>Bottom Recorder:</b> 3459 FT |
| <b>Test Tool:</b> 26.16 FT<br><i>ID-3 1/2-FH</i>            | <b>Well Bore Size:</b> 7 7/8    |
| <b>Total Anchor:</b> 55.1                                   | <b>Surface Choke:</b> 1"        |
| <b><u>Anchor Makeup</u></b>                                 | <b>Bottom Choke:</b> 5/8"       |
| <b>Packer Sub:</b> 1 FT                                     |                                 |
| <b>Perforations: (top):</b> 0 FT<br><i>4 1/2-FH</i>         |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Drill Pipe: (in anchor):</b> 30.10 FT<br><i>ID-3 1/2</i> |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Perforations: (below):</b> 23 FT<br><i>4 1/2-FH</i>      |                                 |



**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>12</b><br>2017 |
|--|

**DST #3    Formation: Arbuckle    Test Interval: 3426 -    Total Depth: 3481'**  
**3481'**

Time On: 01:28 12/12                      Time Off: 07:46 12/12  
Time On Bottom: 03:01 12/12    Time Off Bottom: 06:16 12/12

**Mud Properties**

**Mud Type:** Chem                      **Weight:** 9.2                      **Viscosity:** 59                      **Filtrate:** 7.2                      **Chlorides:** 6000 ppm



**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**12**  
 2017

**DST #4**    **Formation: Arbuckle**    **Test Interval: 3427 - 3489'**    **Total Depth: 3489'**

Time On: 12:41 12/12    Time Off: 19:58 12/12  
 Time On Bottom: 14:09 12/12    Time Off Bottom: 17:39 12/12

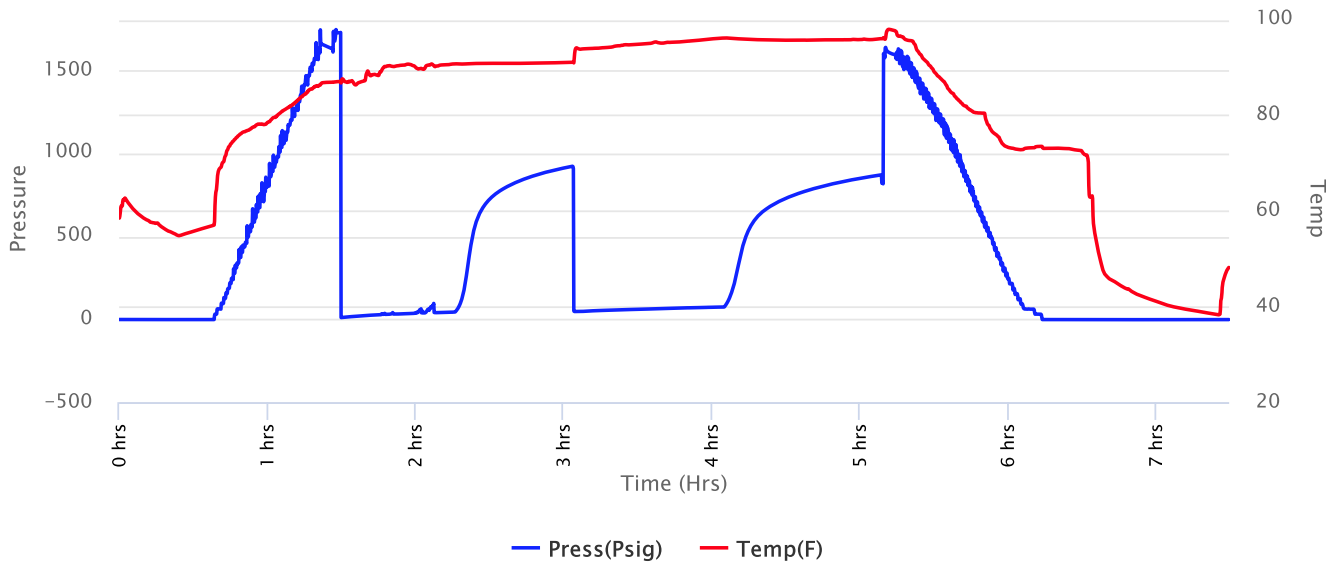
Electronic Volume Estimate:  
 182'

1st Open  
 Minutes: 45  
 9.3" at 45 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 60  
 11.1" at 60 min

2nd Close  
 Minutes: 60  
 0" at 60 min







**Company: RJM Oil Company, Inc**  
**Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1874 GL  
 Field Name: Weber East  
 Pool: Infield  
 Job Number: 90

**DATE**  
 December  
**12**  
 2017

**DST #4 Formation: Arbuckle Test Interval: 3427 - 3489' Total Depth: 3489'**

Time On: 12:41 12/12 Time Off: 19:58 12/12  
 Time On Bottom: 14:09 12/12 Time Off Bottom: 17:39 12/12

Recovered

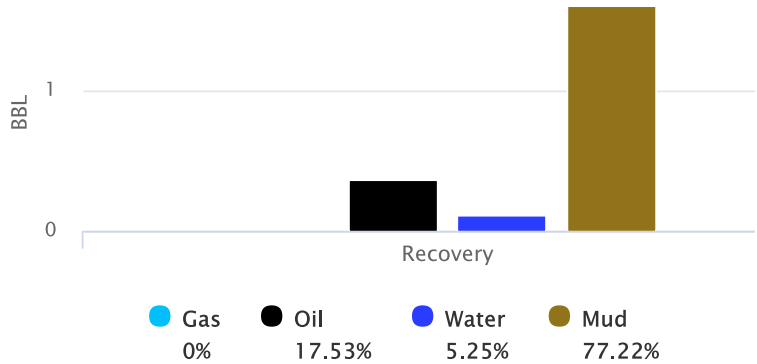
| Foot | BBLs    | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 10   | 0.1423  | O                    | 0     | 100   | 0       | 0     |
| 10   | 0.1423  | SLWCHOCM             | 0     | 30    | 1       | 69    |
| 126  | 1.79298 | SLWCSLOCM            | 0     | 10    | 6       | 84    |

Total Recovered: 146 ft  
 Total Barrels Recovered: 2.07758

Reversed Out  
 NO

**Recovery at a glance**

|   |            |            |
|---|------------|------------|
| Initial Hydrostatic Pressure                | 1640       | PSI        |
| Initial Flow                                | 11 to 44   | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>923</b> | <b>PSI</b> |
| Final Flow Pressure                         | 47 to 74   | PSI        |
| <b>Final Closed in Pressure</b>             | <b>871</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1630       | PSI        |
| Temperature                                 | 97         | °F         |
| Pressure Change Initial Close / Final Close | 5.6        | %          |





**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>12</b><br>2017 |
|--|

**DST #4      Formation: Arbuckle      Test Interval: 3427 -      Total Depth: 3489'**  
**3489'**

Time On: 12:41 12/12      Time Off: 19:58 12/12  
Time On Bottom: 14:09 12/12      Time Off Bottom: 17:39 12/12

**REMARKS:**

IF: 3/4" Built to 10" in 45 mins.

IS: Very WSBB

FF: 3/4" Built to BB in 55 mins.

FS: Very WSBB

Diesel in bucket.

Tool Sample: 4% O 74% W 22% M

Gravity: 35.4 @ 60 degrees F

Ph: 6

RW: .5 @ 41 degrees F

Chlorides: 24000 ppm



**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <p><b>DATE</b><br/>December<br/><b>12</b><br/>2017</p> |
|--|

**DST #4    Formation: Arbuckle    Test Interval: 3427 - 3489'    Total Depth: 3489'**  
Time On: 12:41 12/12    Time Off: 19:58 12/12  
Time On Bottom: 14:09 12/12    Time Off Bottom: 17:39 12/12

**Down Hole Makeup**

|   |                                 |
|---|---------------------------------|
| <b>Heads Up:</b> 25.03 FT                                   | <b>Packer 1:</b> 3421.9 FT      |
| <b>Drill Pipe:</b> 3426.77 FT<br><i>ID-3 1/2</i>            | <b>Packer 2:</b> 3426.9 FT      |
| <b>Weight Pipe:</b> 0 FT<br><i>ID-2 7/8</i>                 | <b>Top Recorder:</b> 3413.9 FT  |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                     | <b>Bottom Recorder:</b> 3463 FT |
| <b>Test Tool:</b> 26.16 FT<br><i>ID-3 1/2-FH</i>            | <b>Well Bore Size:</b> 7 7/8    |
| <b>Total Anchor:</b> 62.1                                   | <b>Surface Choke:</b> 1"        |
| <b><u>Anchor Makeup</u></b>                                 | <b>Bottom Choke:</b> 5/8"       |
| <b>Packer Sub:</b> 1 FT                                     |                                 |
| <b>Perforations: (top):</b> 3 FT<br><i>4 1/2-FH</i>         |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Drill Pipe: (in anchor):</b> 30.10 FT<br><i>ID-3 1/2</i> |                                 |
| <b>Change Over:</b> .5 FT                                   |                                 |
| <b>Perforations: (below):</b> 27 FT<br><i>4 1/2-FH</i>      |                                 |



**Company: RJM Oil Company,  
Inc  
Lease: CKA #2**

SEC: 6 TWN: 19S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 3  
Elevation: 1874 GL  
Field Name: Weber East  
Pool: Infield  
Job Number: 90

|  |
|--|
| <b>DATE</b><br>December<br><b>12</b><br>2017 |
|--|

**DST #4    Formation: Arbuckle    Test Interval: 3427 -    Total Depth: 3489'**  
**3489'**

Time On: 12:41 12/12                      Time Off: 19:58 12/12  
Time On Bottom: 14:09 12/12    Time Off Bottom: 17:39 12/12

**Mud Properties**

**Mud Type:** Chem                      **Weight:** 9.3                      **Viscosity:** 50                      **Filtrate:** 8                      **Chlorides:** 8800 ppm

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 614

|      |         |      |   |      |    |       |    |        |        |       |    |             |  |        |         |
|------|---------|------|---|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|---------|
| Date | 12-7-17 | Sec. | 6 | Twp. | 19 | Range | 13 | County | Barton | State | Ks | On Location |  | Finish | 6:00 AM |
|------|---------|------|---|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|---------|

Lease **CKA** Location **28th & 4th Jct - 5 on Boyd Rd to**  
Well No. **2** Owner **40th Ave, 13/4 E, N/into**

Contractor **Southwind #3** To Quality Oilwell Cementing, Inc.  
Type Job **Surface** You are hereby requested to rent cementing equipment and furnish  
Hole Size **12 1/4"** T.D. **853'** Charge To **RJM Company**  
Csg. **8 5/8"** Depth **853'** Street

Tbg. Size Depth City State  
Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. **20'** Shoe Joint **20'** Cement Amount Ordered **350 60/40 4% CC 2% Gel**

Meas Line Displace **52 3/4 BLS**

**EQUIPMENT**

|                  |          |        |          |     |
|------------------|----------|--------|----------|-----|
| Pumptrk 16 No.   | Cementer | David  | Common   | 210 |
|                  | Helper   |        | Poz. Mix | 140 |
| Bulktrk 21 No.   | Driver   | Jordan | Gel.     | 7   |
|                  | Driver   |        | Calcium  | 15  |
| Bulktrk p.u. No. | Driver   | Rick   |          |     |

**JOB SERVICES & REMARKS**

Remarks: **Cement did Circulate**

Rat Hole  
Mouse Hole  
Centralizers  
Baskets  
D/V or Port Collar  
Hulls  
Salt  
Flowseal  
Kol-Seal  
Mud CLR 48  
CFL-117 or CD110 CAF 38  
Sand  
Handling **372**  
Mileage

**FLOAT EQUIPMENT**

Guide Shoe **Rubber plug**  
Centralizer  
Baskets  
AFU Inserts  
Float Shoe  
Latch Down

Pumptrk Charge **Long Surface**  
Mileage **15 min**

|                                  |              |
|----------------------------------|--------------|
| X<br>Signature <b>Jay Idrees</b> | Tax          |
|                                  | Discount     |
|                                  | Total Charge |

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 616

Cell 785-324-1041

|                        |                   |      |          |      |          |       |                                    |        |  |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
|------------------------|-------------------|------|----------|------|----------|-------|------------------------------------|--------|--|-------|----|-------------|--------------------------------------|--------|---------|------------------|--|--|----------------|--|--|-----------------|--|--|--|--|--|
| Date                   | 12-14-17          | Sec. | 6        | Twp. | 19       | Range | 13                                 | County | Barton   | State | Ks | On Location |                                      | Finish | 2:15 AM |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Location               |                   |      |          |      |          |       |                                    |        |  |       |    |             | 281 + 4 Jct - S on Boyal Rd to 40 Rd |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Lease                  | CKA               |      | Well No. |      | 2        |       | Owner                              |        | 1 3/4 E N15  |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Contractor             | Southwind         |      | #3       |      |          |       | To Quality Oilwell Cementing, Inc. |        | You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Type Job               | Longstring        |      |          |      |          |       | Charge To                          |        | RTM Company  |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Hole Size              | 7 7/8"            |      | T.D.     |      | 3800'    |       | Cement Left in Csg.                |        | 42.34'   |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Csg.                   | 5 1/2" 15.50# New |      | Depth    |      | 3529.10' |       | Shoe Joint                         |        | 42.34'   |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Tbg. Size              |                   |      | Depth    |      |          |       | Cement Amount Ordered              |        | 180 Com 10% Salt 5% Gilsomite  |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Tool                   |                   |      | Depth    |      |          |       | Meas Line                          |        | Displace 83 BLS 500 gal mud clear  |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| EQUIPMENT              |                   |      |          |      |          |       |                                    |        |  |       |    |             | Common                               |        |         | 180              |  |  |                |  |  |                 |  |  |  |  |  |
| Pumptrk                | 18                |      | No.      |      | Cementer |       | Helper                             |        | Travis   |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Bulktrk                | 14                |      | No.      |      | Driver   |       | Driver                             |        | Jordan   |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Bulktrk                | per               |      | No.      |      | Driver   |       | Driver                             |        | RICK   |       |    |             |                                      |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| JOB SERVICES & REMARKS |                   |      |          |      |          |       |                                    |        |  |       |    |             | Hulls                                |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Remarks:               |                   |      |          |      |          |       |                                    |        |  |       |    |             | Salt                                 |        |         | 15               |  |  |                |  |  |                 |  |  |  |  |  |
| Rat Hole               |                   |      |          |      |          |       |                                    |        |  |       |    |             | Set triplex shoe w/1000#             |        |         | PSI              |  |  |                |  |  |                 |  |  |  |  |  |
| Mouse Hole             |                   |      |          |      |          |       |                                    |        |  |       |    |             | Flowseal                             |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |
| Centralizers           |                   |      |          |      |          |       |                                    |        |  |       |    |             | 1-9                                  |        |         | Kol-Seal         |  |  | 750 #          |  |  |                 |  |  |  |  |  |
| Baskets                |                   |      |          |      |          |       |                                    |        |  |       |    |             | 2+4                                  |        |         | Mud CLR 48       |  |  | 500 gal        |  |  |                 |  |  |  |  |  |
| DV or Port Collar      |                   |      |          |      |          |       |                                    |        |  |       |    |             | pipe on bottom break                 |        |         | Circulation      |  |  | Sand           |  |  |                 |  |  |  |  |  |
| pump                   |                   |      |          |      |          |       |                                    |        |  |       |    |             | 500 gal mud clear 48 plug            |        |         | Rat hole         |  |  | Handling       |  |  | 202             |  |  |  |  |  |
| w/ 30 sx Cement        |                   |      |          |      |          |       |                                    |        |  |       |    |             | Cement 5 1/2" casing                 |        |         | w/ 150 sx Cement |  |  | shut down wash |  |  | Mileage         |  |  |  |  |  |
| pump + lines           |                   |      |          |      |          |       |                                    |        |  |       |    |             | Displaced plug w/ 83 BLS             |        |         | Guide Shoe       |  |  | Triplex shoe   |  |  | FLOAT EQUIPMENT |  |  |  |  |  |
| Released + held.       |                   |      |          |      |          |       |                                    |        |  |       |    |             | Centralizer                          |        |         | 9                |  |  | Baskets        |  |  | 2               |  |  |  |  |  |
| Lift pressure          |                   |      |          |      |          |       |                                    |        |  |       |    |             | 900 #                                |        |         | AFU Inserts      |  |  |                |  |  | Float Shoe      |  |  |  |  |  |
| Land plug to           |                   |      |          |      |          |       |                                    |        |  |       |    |             | 1600 #                               |        |         | Latch Down       |  |  | 1              |  |  |                 |  |  |  |  |  |
|                        |                   |      |          |      |          |       |                                    |        |  |       |    |             | Pumptrk Charge                       |        |         | prod string      |  |  | Mileage        |  |  | 15 mi           |  |  |  |  |  |
| Signature              |                   |      |          |      |          |       |                                    |        |  |       |    |             | Jay Hines                            |        |         | Tax              |  |  |                |  |  | Discount        |  |  |  |  |  |
|                        |                   |      |          |      |          |       |                                    |        |  |       |    |             | Total Charge                         |        |         |                  |  |  |                |  |  |                 |  |  |  |  |  |

## GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.