

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 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](mailto: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: Disque #2

SEC: 9 TWN: 17S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery & pressures

**DATE**  
February  
**20**  
2022

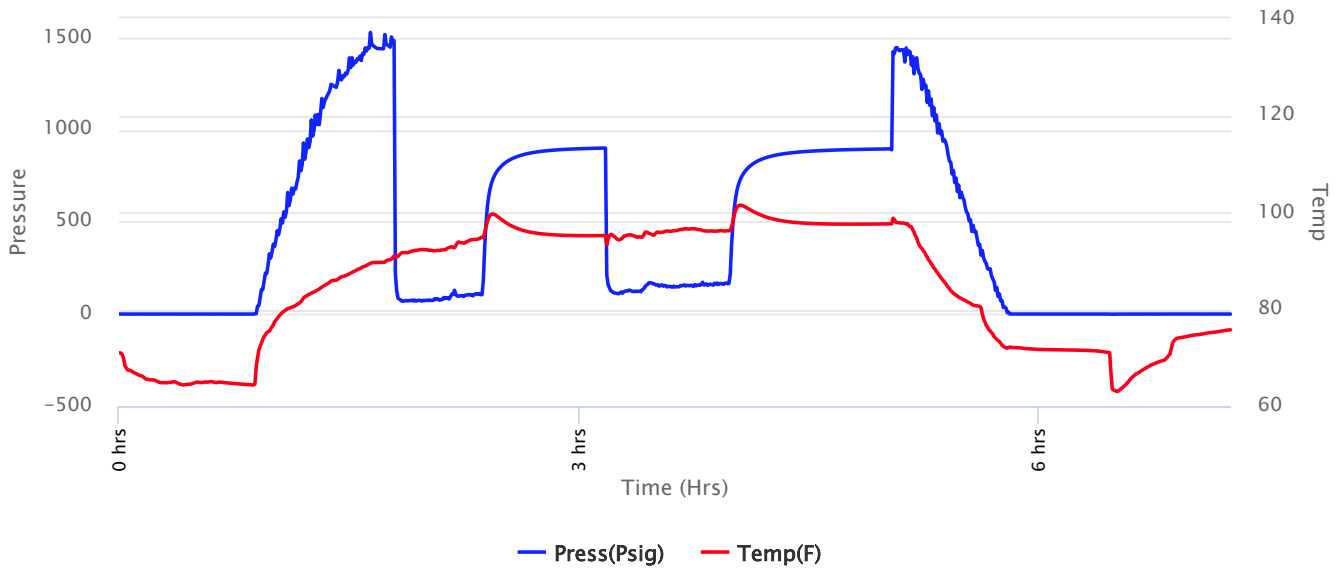
**DST #1    Formation: Lans A-F    Test Interval: 3018 - 3120'    Total Depth: 3120'**

Time On: 10:22 02/20    Time Off: 17:25 02/20  
Time On Bottom: 12:07 02/20    Time Off Bottom: 15:07 02/20

Electronic Volume Estimate:  
N/A

| <u>1st Open</u>        | <u>1st Close</u>  | <u>2nd Open</u>           | <u>2nd Close</u>   |
|------------------------|-------------------|---------------------------|--------------------|
| Minutes: 30            | Minutes: 45       | Minutes: 45               | Minutes: 60        |
| Current Reading:       | Current Reading:  | Current Reading:          | Current Reading:   |
| Gauging gas" at 30 min | 0" at 45 min      | Gauging Gas" at 45 min    | 34.6 " at 60 min   |
| Max Reading: GTS"      | Max Reading: 1.5" | Max Reading: Gauging Gas" | Max Reading: 83.6" |

Inside Recorder





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**DST #1**    **Formation: Lans A-F**    **Test Interval: 3018 - 3120'**    **Total Depth: 3120'**

Time On: 10:22 02/20    Time Off: 17:25 02/20  
 Time On Bottom: 12:07 02/20    Time Off Bottom: 15:07 02/20

Recovered

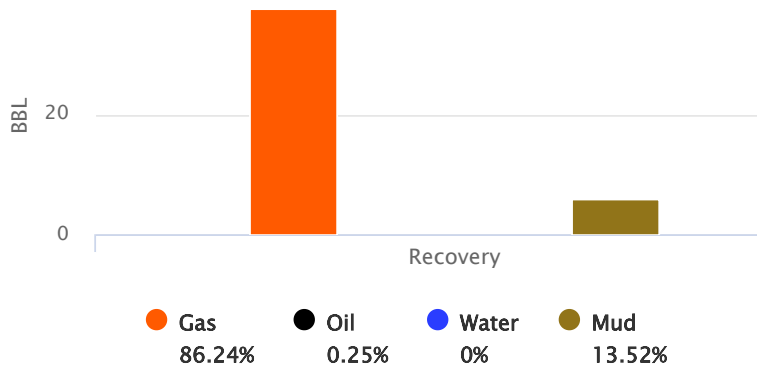
| Foot | BBLs     | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|----------|----------------------|-------|-------|---------|-------|
| 2577 | 36.67071 | G                    | 100   | 0     | 0       | 0     |
| 173  | 2.46179  | M                    | 0     | 0     | 0       | 100   |
| 189  | 2.68947  | SLOCSLGCM            | 15    | 4     | 0       | 81    |
| 126  | 1.79298  | HGCM                 | 30    | 0     | 0       | 70    |

Total Recovered: 3065 ft  
 Total Barrels Recovered: 43.61495

Reversed Out  
 NO

|   |            |            |
|---|------------|------------|
| Initial Hydrostatic Pressure                | 1441       | PSI        |
| Initial Flow                                | 70 to 106  | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>901</b> | <b>PSI</b> |
| Final Flow Pressure                         | 111 to 166 | PSI        |
| <b>Final Closed in Pressure</b>             | <b>897</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1436       | PSI        |
| Temperature                                 | 102        | °F         |
| Pressure Change Initial Close / Final Close | 0.4        | %          |

**Recovery at a glance**



GIP cubic foot volume: 211.17271



**Company: RJM Oil Company,  
Inc**

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Inc - Rig 1  
Elevation: 1860 GL  
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**DST #1      Formation: Lans A-F      Test Interval: 3018 -      Total Depth: 3120'**  
**3120'**

Time On: 10:22 02/20      Time Off: 17:25 02/20  
Time On Bottom: 12:07 02/20      Time Off Bottom: 15:07 02/20

**BUCKET MEASUREMENT:**

1st Open: 1" Blow. BOB in 35 seconds  
1st Close: 1 inch Blow Back  
2nd Open: BOB Instantly  
2nd Close: Bottom.Bucket Blow Back

**REMARKS:**

Couldn't separate the oil from the mud



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Time On: 10:22 02/20      Time Off: 17:25 02/20  
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### Down Hole Makeup

|   |   |
|---|---|
| <b>Heads Up:</b> 16.07 FT                                   | <b>Packer 1:</b> 3013.22 FT             |
| <b>Drill Pipe:</b> 3009.13 FT<br><i>ID-3 1/2</i>            | <b>Packer 2:</b> 3018.22 FT             |
| <b>Weight Pipe:</b> FT<br><i>ID-2 7/8</i>                   | <b>Packer 3:</b> 3120 FT                |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                     | <b>Top Recorder:</b> 3005.22 FT         |
| <b>Test Tool:</b> 26.16 FT<br><i>ID-3 1/2-FH</i>            | <b>Bottom Recorder:</b> 3086 FT         |
| <b>Total Anchor:</b> 101.78                                 | <b>Below Straddle Recorder:</b> 3121 FT |
| <u><b>Anchor Makeup</b></u>                                 | <b>Well Bore Size:</b> 7 7/8            |
| <b>Packer Sub:</b> 1 FT                                     | <b>Surface Choke:</b> 1"                |
| <b>Perforations: (top):</b> 1 FT<br><i>4 1/2-FH</i>         | <b>Bottom Choke:</b> 5/8"               |
| <b>Change Over:</b> 1 FT                                    |   |
| <b>Drill Pipe: (in anchor):</b> 62.78 FT<br><i>ID-3 1/2</i> |   |
| <b>Change Over:</b> 1 FT                                    |   |
| <b>Perforations: (below):</b> 35 FT<br><i>4 1/2-FH</i>      |   |
| <u><b>STRADDLE</b></u>                                      |   |
| <b>Straddle Packer(s):</b> FT                               |   |
| <b>Change Over:</b> FT                                      |   |
| <b>Drill Pipe:</b> FT<br><i>ID-3 1/2"</i>                   |   |
| <b>Change Over:</b> FT                                      |   |
| <b>Perforations (in tail pipe):</b> FT<br><i>4 1/2-FH</i>   |   |



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Elevation: 1860 GL  
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**DST #1      Formation: Lans A-F      Test Interval: 3018 -      Total Depth: 3120'**  
**3120'**

Time On: 10:22 02/20      Time Off: 17:25 02/20  
Time On Bottom: 12:07 02/20      Time Off Bottom: 15:07 02/20

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.6      **Viscosity:** 60      **Filtrate:** 8.4      **Chlorides:** 3000 ppm



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Time On: 10:22 02/20    Time Off: 17:25 02/20  
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### Gas Volume Report

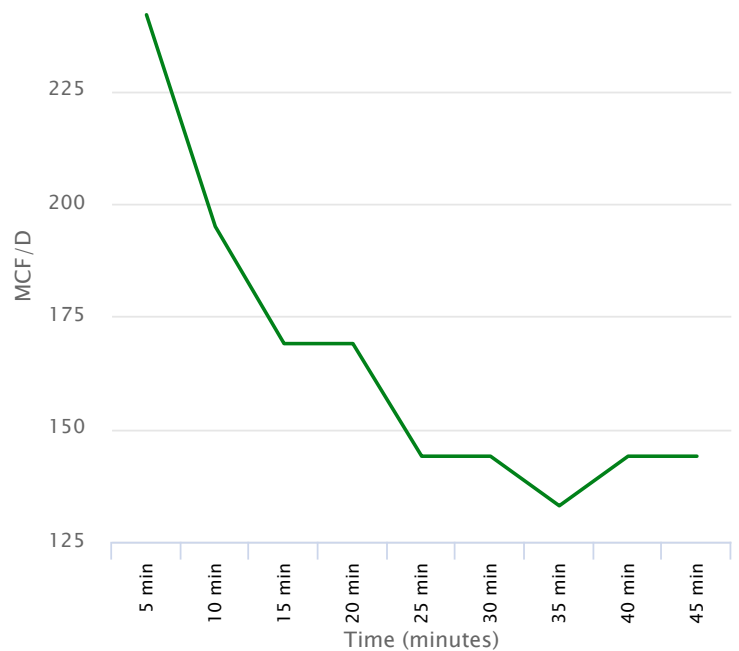
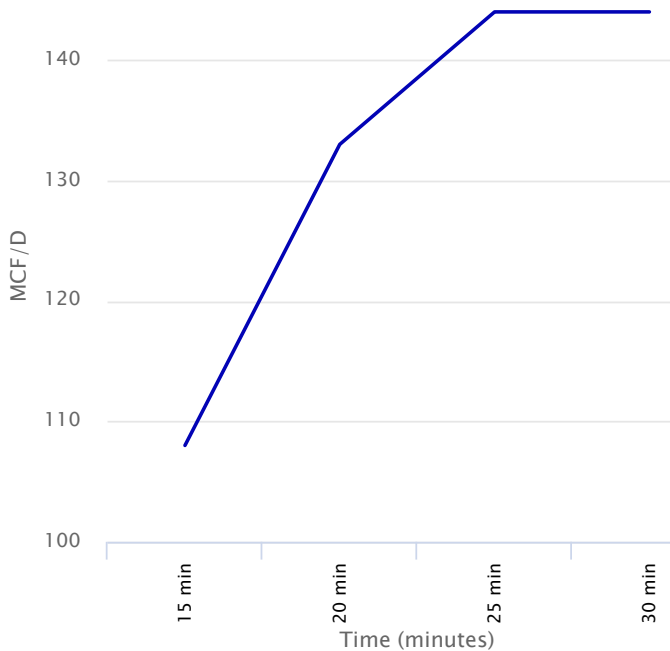
**Remarks:** Gas to surface in 3 minutes Caught gas sample 10 minutes into first flow

1st Open

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
| 15   | 0.75    | 2.0 | 108   |
| 20   | 0.75    | 3.0 | 133   |
| 25   | 0.75    | 3.5 | 144   |
| 30   | 0.75    | 3.5 | 144   |

2nd Open

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
| 5    | 1.00    | 3.0 | 242   |
| 10   | 1.00    | 2.0 | 195   |
| 15   | 1.00    | 1.5 | 169   |
| 20   | 1.00    | 1.5 | 169   |
| 25   | 0.75    | 3.5 | 144   |
| 30   | 0.75    | 3.5 | 144   |
| 35   | 0.75    | 3.0 | 133   |
| 40   | 0.75    | 3.5 | 144   |
| 45   | 0.75    | 3.5 | 144   |





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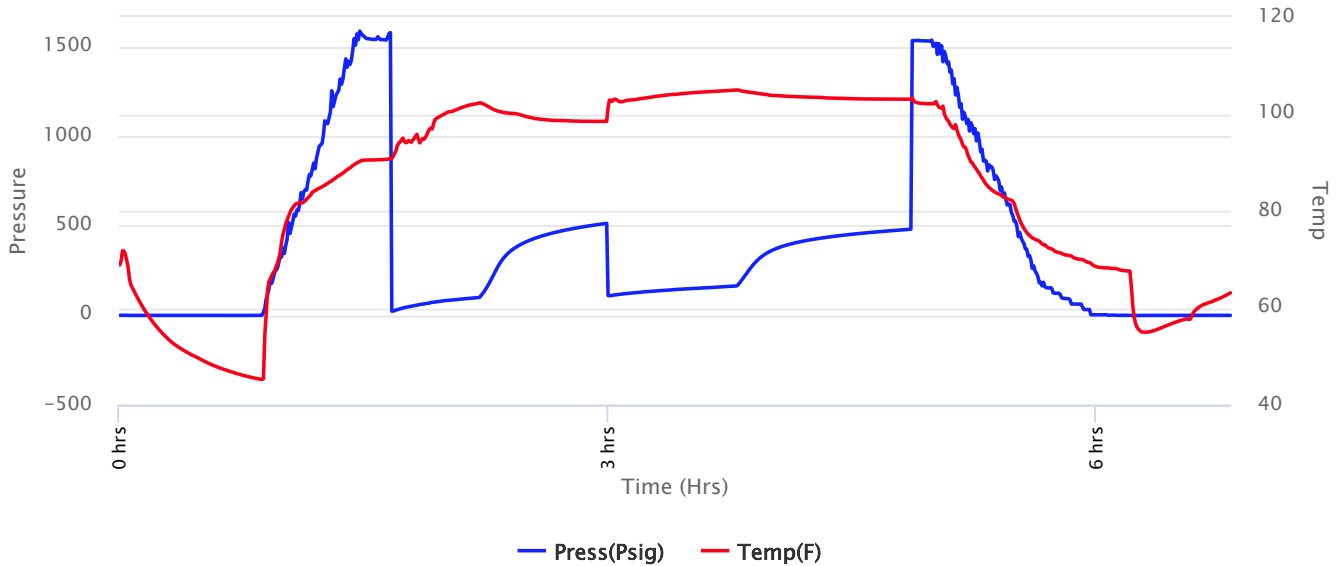
**DST #2**    **Formation: Lans H-K**    **Test Interval: 3190 - 3260'**    **Total Depth: 3260'**

Time On: 04:10 02/21    Time Off: 10:48 02/21  
 Time On Bottom: 05:48 02/21    Time Off Bottom: 08:48 02/21

Electronic Volume Estimate:  
 277'

| <u>1st Open</u>                  | 1st Close                     | <u>2nd Open</u>                  | 2nd Close                     |
|----------------------------------|-------------------------------|----------------------------------|-------------------------------|
| Minutes: 30                      | Minutes: 45                   | Minutes: 45                      | Minutes: 60                   |
| Current Reading: 19.2" at 30 min | Current Reading: 0" at 45 min | Current Reading: 14.4" at 45 min | Current Reading: 0" at 60 min |
| Max Reading: 19.2"               | Max Reading: 0"               | Max Reading: 14.4"               | Max Reading: 0"               |

Inside Recorder





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Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
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**Operation:**  
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**DST #2    Formation: Lans H-K    Test Interval: 3190 - 3260'    Total Depth: 3260'**

Time On: 04:10 02/21    Time Off: 10:48 02/21  
Time On Bottom: 05:48 02/21    Time Off Bottom: 08:48 02/21

### Recovered

| Foot | BBLs    | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 3    | 0.04269 | SLOCHMCW             | 0     | 2     | 50      | 48    |
| 227  | 3.23021 | SLWCM                | 0     | 0     | 10      | 90    |
| 157  | 2.23411 | MCW                  | 0     | 0     | 75      | 25    |

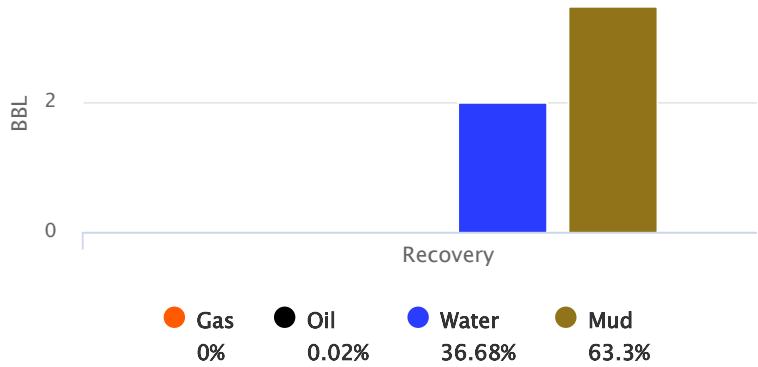
Total Recovered: 387 ft  
Total Barrels Recovered: 5.50701

Reversed Out  
NO

|                                   |            |            |
|-----------------------------------|------------|------------|
| Initial Hydrostatic Pressure      | 1539       | PSI        |
| Initial Flow                      | 23 to 101  | PSI        |
| <b>Initial Closed in Pressure</b> | <b>514</b> | <b>PSI</b> |
| Final Flow Pressure               | 111 to 164 | PSI        |
| <b>Final Closed in Pressure</b>   | <b>481</b> | <b>PSI</b> |
| Final Hydrostatic Pressure        | 1537       | PSI        |
| Temperature                       | 105        | °F         |

Pressure Change Initial Close / Final Close    6.4    %

### Recovery at a glance



GIP cubic foot volume: 0



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**3260'**  
Time On: 04:10 02/21      Time Off: 10:48 02/21  
Time On Bottom: 05:48 02/21      Time Off Bottom: 08:48 02/21

**BUCKET MEASUREMENT:**

1st Open: 1/2" Blow. BOB in 12 minutes  
1st Close: NOBB  
2nd Open: 1/2" Blow. BOB in 30 minutes  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 0% Oil 99% Water 1% Mud  
Measured RW: .28 @ 66 degrees °F  
RW at Formation Temp: 0.182 @ 105 °F  
Chlorides: 28000 ppm



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### Down Hole Makeup

|   |                                 |
|---|---------------------------------|
| <b>Heads Up:</b> 33.29 FT                                   | <b>Packer 1:</b> 3185.3 FT      |
| <b>Drill Pipe:</b> 3198.43 FT<br><i>ID-3 1/2</i>            | <b>Packer 2:</b> 3190.3 FT      |
| <b>Weight Pipe:</b> FT<br><i>ID-2 7/8</i>                   | <b>Top Recorder:</b> 3177.3 FT  |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                     | <b>Bottom Recorder:</b> 3226 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> 69.7                                   | <b>Surface Choke:</b> 1"        |
| <b>Anchor Makeup</b>  |                                 |
| <b>Packer Sub:</b> 1 FT                                     | <b>Bottom Choke:</b> 5/8"       |
| <b>Perforations: (top):</b> FT<br><i>4 1/2-FH</i>           |                                 |
| <b>Change Over:</b> 1 FT                                    |                                 |
| <b>Drill Pipe: (in anchor):</b> 31.70 FT<br><i>ID-3 1/2</i> |                                 |
| <b>Change Over:</b> 1 FT                                    |                                 |
| <b>Perforations: (below):</b> 35 FT<br><i>4 1/2-FH</i>      |                                 |



# Company: RJM Oil Company, Inc

## Lease: Disque #2

SEC: 9 TWN: 17S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 1  
Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
February  
**21**  
2022

**DST #2      Formation: Lans H-K      Test Interval: 3190 -      Total Depth: 3260'**  
**3260'**

Time On: 04:10 02/21      Time Off: 10:48 02/21  
Time On Bottom: 05:48 02/21      Time Off Bottom: 08:48 02/21

### Mud Properties

**Mud Type:** Chem      **Weight:** 9      **Viscosity:** 60      **Filtrate:** 8.8      **Chlorides:** 3500 ppm



# Company: RJM Oil Company, Inc

## Lease: Disque #2

SEC: 9 TWN: 17S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery & pressures

**DATE**  
February  
**21**  
2022

**DST #2    Formation: Lans H-K    Test Interval: 3190 - 3260'    Total Depth: 3260'**

Time On: 04:10 02/21    Time Off: 10:48 02/21  
Time On Bottom: 05:48 02/21    Time Off Bottom: 08:48 02/21

### Gas Volume Report

1st Open

2nd Open

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
|------|---------|-----|-------|

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
|------|---------|-----|-------|



# Company: RJM Oil Company, Inc

## Lease: Disque #2

SEC: 9 TWN: 17S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery & pressures

**DATE**  
February  
**21**  
2022

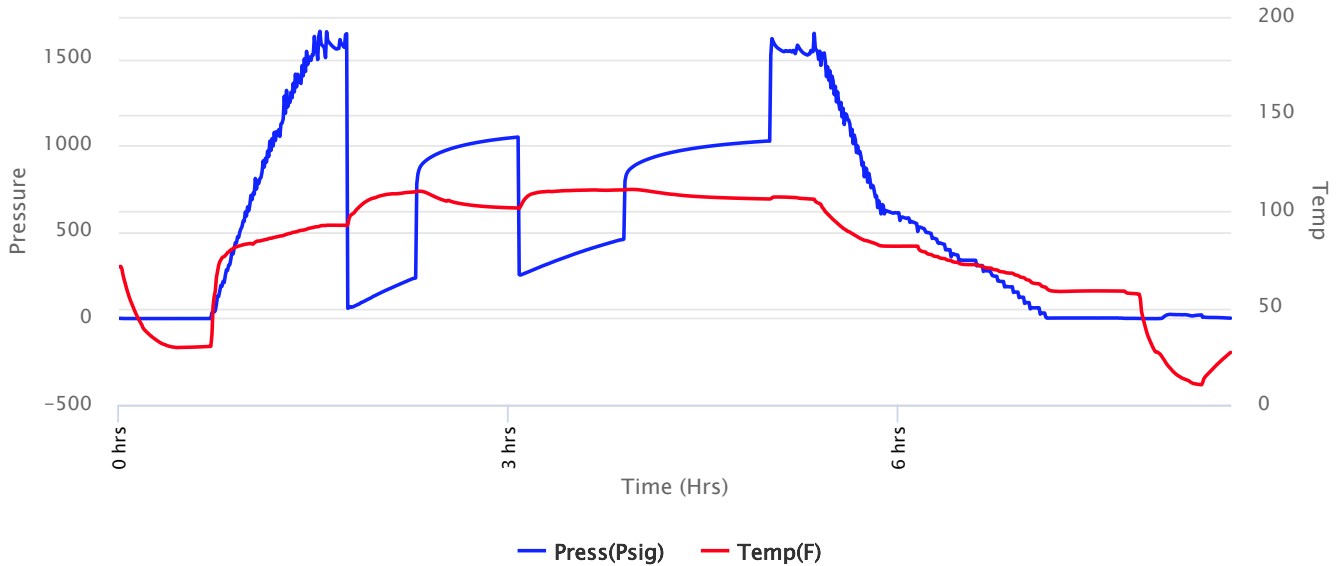
**DST #3    Formation: Arbuckle    Test Interval: 3284 - 3308'    Total Depth: 3308'**

Time On: 18:57 02/21    Time Off: 03:17 02/22  
Time On Bottom: 20:40 02/21    Time Off Bottom: 23:40 02/21

Electronic Volume Estimate:  
1259'

| <u>1st Open</u>                  | <u>1st Close</u>              | <u>2nd Open</u>                  | <u>2nd Close</u>              |
|----------------------------------|-------------------------------|----------------------------------|-------------------------------|
| Minutes: 30                      | Minutes: 45                   | Minutes: 45                      | Minutes: 60                   |
| Current Reading: 90.6" at 30 min | Current Reading: 0" at 45 min | Current Reading: 71.8" at 45 min | Current Reading: 0" at 60 min |
| Max Reading: 90.6"               | Max Reading: 0"               | Max Reading: 71.8"               | Max Reading: 0"               |

Inside Recorder





# Company: RJM Oil Company, Inc

## Lease: Disque #2

SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 February  
**21**  
 2022

**DST #3**    **Formation: Arbuckle**    **Test Interval: 3284 - 3308'**    **Total Depth: 3308'**

Time On: 18:57 02/21    Time Off: 03:17 02/22  
 Time On Bottom: 20:40 02/21    Time Off Bottom: 23:40 02/21

Recovered

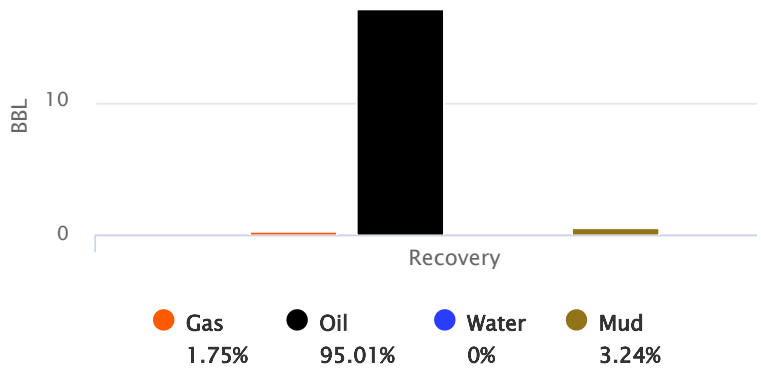
| Foot | BBLs    | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 1200 | 17.076  | O                    | 0     | 100   | 0       | 0     |
| 63   | 0.89649 | HGCM                 | 35    | 0     | 0       | 65    |

Total Recovered: 1263 ft  
 Total Barrels Recovered: 17.97249

Reversed Out  
 NO

|   |             |            |
|---|-------------|------------|
| Initial Hydrostatic Pressure                | 1569        | PSI        |
| Initial Flow                                | 59 to 235   | PSI        |
| <b>Initial Closed in Pressure</b>           | <b>1050</b> | <b>PSI</b> |
| Final Flow Pressure                         | 251 to 459  | PSI        |
| <b>Final Closed in Pressure</b>             | <b>1027</b> | <b>PSI</b> |
| Final Hydrostatic Pressure                  | 1566        | PSI        |
| Temperature                                 | 111         | °F         |
| Pressure Change Initial Close / Final Close | 2.2         | %          |

**Recovery at a glance**



GIP cubic foot volume: 1.76167



**Company: RJM Oil Company,  
Inc**

**Lease: Disque #2**

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County: BARTON  
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Elevation: 1860 GL  
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pressures

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2022

**DST #3      Formation: Arbuckle      Test Interval: 3284 -      Total Depth: 3308'**  
**3308'**

Time On: 18:57 02/21      Time Off: 03:17 02/22  
Time On Bottom: 20:40 02/21      Time Off Bottom: 23:40 02/21

**BUCKET MEASUREMENT:**

1st Open: 1" Blow. BOB in 3 minutes  
1st Close: NOBB  
2nd Open: 2 1/2" Blow. BOB in 4 minutes.  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 100% Oil 0% Water 0% Mud

Gravity: 41.5 @ 60 °F



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Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery & pressures

**DATE**  
February  
**21**  
2022

**DST #3      Formation: Arbuckle      Test Interval: 3284 - 3308'      Total Depth: 3308'**

Time On: 18:57 02/21      Time Off: 03:17 02/22  
Time On Bottom: 20:40 02/21      Time Off Bottom: 23:40 02/21

### Down Hole Makeup

|  |                                 |
|--|---------------------------------|
| <b>Heads Up:</b> 34.49 FT                              | <b>Packer 1:</b> 3279 FT        |
| <b>Drill Pipe:</b> 3293.33 FT<br><i>ID-3 1/2</i>       | <b>Packer 2:</b> 3284 FT        |
| <b>Weight Pipe:</b> FT<br><i>ID-2 7/8</i>              | <b>Top Recorder:</b> 3271 FT    |
| <b>Collars:</b> 0 FT<br><i>ID-2 1/4</i>                | <b>Bottom Recorder:</b> 3286 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> 24                                | <b>Surface Choke:</b> 1"        |
| <b><u>Anchor Makeup</u></b>                            |                                 |
| <b>Packer Sub:</b> 1 FT                                | <b>Bottom Choke:</b> 5/8"       |
| <b>Perforations: (top):</b> FT<br><i>4 1/2-FH</i>      |                                 |
| <b>Change Over:</b> FT                                 |                                 |
| <b>Drill Pipe: (in anchor):</b> FT<br><i>ID-3 1/2</i>  |                                 |
| <b>Change Over:</b> FT                                 |                                 |
| <b>Perforations: (below):</b> 23 FT<br><i>4 1/2-FH</i> |                                 |



**Company: RJM Oil Company,  
Inc**

**Lease: Disque #2**

SEC: 9 TWN: 17S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling,  
Inc - Rig 1  
Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
February  
**21**  
2022

**DST #3      Formation: Arbuckle      Test Interval: 3284 -      Total Depth: 3308'**  
**3308'**

Time On: 18:57 02/21      Time Off: 03:17 02/22  
Time On Bottom: 20:40 02/21      Time Off Bottom: 23:40 02/21

**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.1      **Viscosity:** 44      **Filtrate:** 9.2      **Chlorides:** 6000 ppm



# Company: RJM Oil Company, Inc

## Lease: Disque #2

SEC: 9 TWN: 17S RNG: 11W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 1  
Elevation: 1860 GL  
Field Name: Kraft-Prusa  
Pool: Infield  
Job Number: 551  
API #: 15-009-26332

**Operation:**  
Uploading recovery & pressures

**DATE**  
February  
**21**  
2022

**DST #3      Formation: Arbuckle      Test Interval: 3284 - 3308'      Total Depth: 3308'**

Time On: 18:57 02/21      Time Off: 03:17 02/22  
Time On Bottom: 20:40 02/21      Time Off Bottom: 23:40 02/21

### Gas Volume Report

1st Open

2nd Open

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
|------|---------|-----|-------|

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
|------|---------|-----|-------|

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

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

No. 2974

|      |         |      |   |      |    |       |    |        |        |       |    |             |  |        |          |
|------|---------|------|---|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|----------|
| Date | 2-22-22 | Sec. | 9 | Twp. | 17 | Range | 11 | County | Barton | State | Ks | On Location |  | Finish | 10:00 PM |
|------|---------|------|---|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|----------|

Lease **Disque** Well No. **2** Location **Clafin-5N to 160 Rd, 44W, 3/4 into**

|            |                     |       |  |
|------------|---------------------|-------|--|
| Contractor | <b>Southwind #1</b> | Owner | To Quality Oilwell Cementing, Inc.<br>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 | <b>Long string</b> | Charge To | <b>RJM Company</b> |
|----------|--------------------|-----------|--------------------|

|           |                  |       |                 |
|-----------|------------------|-------|-----------------|
| Hole Size | <b>7 7/8"</b>    | T.D.  | <b>3368'</b>    |
| Csg.      | <b>3/2" used</b> | Depth | <b>3302.47'</b> |

|           |  |       |           |  |  |       |  |
|-----------|--|-------|-----------|--|--|-------|--|
| Tbg. Size |  | Depth |           | City   |  | State |  |
| Tool      |  | Depth | <b>1'</b> | The above was done to satisfaction and supervision of owner agent or contractor. |  |       |  |

|                     |               |            |               |                             |                                     |
|---------------------|---------------|------------|---------------|-----------------------------|-------------------------------------|
| Cement Left in Csg. | <b>16.58'</b> | Shoe Joint | <b>16.58'</b> | Cement Amount Ordered       | <b>180 Com 10% Salt 5% Gilsbite</b> |
| Meas Line           |               | Displace   | <b>78 BUS</b> | <b>500 gal mud Clear 48</b> |                                     |

| EQUIPMENT |               |                 | Common                | <b>180</b> |
|-----------|---------------|-----------------|-----------------------|------------|
| Pumptrk   | <b>16</b> No. | Cementor Helper | <b>David</b>          | Poz. Mix   |
| Bulktrk   | <b>14</b> No. | Driver          | <b>Jordan Clayton</b> | Gel.       |
| Bulktrk   | <b>2</b> No.  | Driver          | <b>Rick</b>           | Calcium    |

| JOB SERVICES & REMARKS |                           |  | Hulls |           |
|------------------------|---------------------------|--|-------|-----------|
| Remarks:               | <b>Loggers T.D. 3316'</b> |  | Salt  | <b>14</b> |

|            |              |          |              |
|------------|--------------|----------|--------------|
| Rat Hole   | <b>155x</b>  | Flowseal |              |
| Mouse Hole | <b>30 5x</b> | Kol-Seal | <b>750 #</b> |

|              |            |                         |                |
|--------------|------------|-------------------------|----------------|
| Centralizers | <b>1-9</b> | Mud CLR 48              | <b>500 gal</b> |
| Baskets      | <b>2+6</b> | CFL-117 or CD110 CAF 38 |                |

|                    |   |          |            |
|--------------------|---|----------|------------|
| D/V or Port Collar | <b>Pipe on bottom break</b>   | Sand     |            |
|                    | <b>Circulation pump 500 gal mud Clear 48, plug Rat hole + mousehole hook to casing + mix 135 5x Cement, shut down wash pump + lines. Released plug + Displaced w/ 78 BUS H<sub>2</sub>O Released + Held</b> | Handling | <b>201</b> |

| FLOAT EQUIPMENT |  |            | Mileage |  |
|-----------------|--|------------|---------|--|
|                 |  | Guide Shoe |         |  |

|  |  |             |          |
|--|--|-------------|----------|
|  |  | Centralizer | <b>9</b> |
|  |  | Baskets     | <b>2</b> |

|  |  |             |          |
|--|--|-------------|----------|
|  |  | AFU Inserts |          |
|  |  | Float Shoe  | <b>1</b> |

|  |  |               |          |
|--|--|---------------|----------|
|  |  | Latch Down    | <b>1</b> |
|  |  | Rotating head |          |

|  |  |                |           |
|--|--|----------------|-----------|
|  |  | Pumptrk Charge |           |
|  |  | Mileage        | <b>26</b> |

|  |  |              |  |
|--|--|--------------|--|
|  |  | Tax          |  |
|  |  | Discount     |  |
|  |  | Total Charge |  |

X Signature \_\_\_\_\_ Thanks \_\_\_\_\_ prod string

## 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 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 785-483-1071  
Cell 785-324-1041

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

No. **2969**

|      |         |      |   |      |    |       |    |        |        |       |    |             |  |        |          |
|------|---------|------|---|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|----------|
| Date | 2-16-22 | Sec. | 9 | Twp. | 17 | Range | 11 | County | Barton | State | Ks | On Location |  | Finish | 10:30 PM |
|------|---------|------|---|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|----------|

Lease **Disque** Well No. **2** Location **Clafin - 5N to 160 Rd, 1/4 W,** Owner **S/Into**

Contractor **Southwind #1** 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 **Surface** Charge To **RJM Company**

Hole Size **12 1/4"** T.D. **357'** Csg. **8 5/8"** Depth **356'** 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 **180 60/40 4% CC 2% Gel**

Meas Line Displace **21 1/2 BLS**

**EQUIPMENT**

|         |      |     |          |       |          |                    |
|---------|------|-----|----------|-------|----------|--------------------|
| Pumptrk | 16   | No. | Cementer | David | Common   | <del>110</del> 110 |
|         |      |     | Helper   |       | Poz. Mix | <del>70</del> 70   |
| Bulktrk | 1    | No. | Driver   | Donny | Gel.     | 3                  |
|         |      |     | Driver   |       | Calcium  | 8                  |
| Bulktrk | p.u. | No. | Driver   | Rick  |          |                    |
|         |      |     | Driver   |       |          |                    |

**JOB SERVICES & REMARKS**

Remarks: **Cement did Circulate**

Rat Hole Flowseal

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Handling **191**

Mileage

**FLOAT EQUIPMENT**

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge **Surface**

Mileage **26**

Signature **[Signature]** Tax Discount Total Charge

*Thanks*

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- **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.

**OPERATOR**

Company: RJM COMPANY  
 Address: PO BOX 256  
 CLAFLIN, KS 67525

Contact Geologist: Jim Musgrove  
 Contact Phone Nbr: 620-786-0839  
 Well Name: Disque #2  
 Location: 9-17s-11w E2-NE-NW-NE  
 API: 15-009-26332-00-00  
 Pool:  
 State: Kansas

Field: Kraft-Prusa  
 Country: USA



Scale 1:240 Imperial

Well Name: Disque #2  
 Surface Location: 9-17s-11w E2-NE-NW-NE  
 Bottom Location:  
 API: 15-009-26332-00-00  
 License Number: 30458  
 Spud Date: 2/16/2022 Time: 12:00 AM  
 Region: Barton  
 Drilling Completed: 2/22/2022 Time: 12:00 AM  
 Surface Coordinates: 330' FNL & 1500' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1860.00ft  
 K.B. Elevation: 1870.00ft  
 Logged Interval: 2700.00ft To: 3308.00ft  
 Total Depth: 0.00ft  
 Formation: Arbuckle  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude:  
 Latitude:  
 N/S Co-ord: 330' FNL  
 E/W Co-ord: 1500' FEL

**LOGGED BY**

Company: James C Musgrove Petroleum LLC  
 Address: 212 Main Street/PO Box 215  
 Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839  
 Logged By: KLG #307/KLG #228

Name: James C Musgrove/Steven Murphy

**CONTRACTOR**

Contractor: Southwind Drilling  
 Rig #: 1

Rig Type: mud rotary  
 Spud Date: 2/16/2022  
 TD Date: 2/22/2022  
 Rig Release:

Time: 12:00 AM  
 Time: 12:00 AM  
 Time:

### ELEVATIONS

K.B. Elevation: 1870.00ft                      Ground Elevation: 1860.00ft  
 K.B. to Ground: 10.00ft

### NOTES

Remarks

5 1/2" production casing was set and cemented on the RJM Company; Disque #2.

Respectfully Submitted,

Steven Murphy  
 James C Musgrove  
 Petroleum Geologist

## well comparison sheet

|                    | DISQUE #2<br>RJM COMPANY<br>E2-NE-NW-NE<br>9-17s-11w<br>1870 KB |         |      |         | DISQUE #1<br>RJM COMPANY<br>S2-NW-SW-NE<br>9-17s-11w<br>1854 KB |         |     |         | DISQUE #2<br>SKELLY OIL CO<br>C N/2-NW-NE<br>9-17s-11w<br>1856 KB |         |     |         |
|--------------------|---|---------|------|---------|---|---------|-----|---------|---|---------|-----|---------|
|                    | Log   | Sub-Sea | Log  | Sub-Sea | Log   | Sub-Sea | Log | Sub-Sea | Log   | Sub-Sea | Log | Sub-Sea |
| Formation          |   |         |      |         |   |         |     |         |   |         |     |         |
| Anhydrite          |   |         | 707  | 1163    |   |         |     |         |   |         |     |         |
| Base Anhydrite     |   |         | 731  | 1139    |   |         |     |         |   |         |     |         |
| Eebner             |   |         | 2913 | -1043   | 2901  | -1047   | -4  |         |   |         |     |         |
| Toronto            |   |         | 2930 | -1060   |   |         |     |         |   |         |     |         |
| Douglas            |   |         | 2944 | -1074   |   |         |     |         |   |         |     |         |
| Brown Lime         |   |         | 3012 | -1142   |   |         |     |         | 3011  | -1155   | -13 |         |
| Lansing            |   |         | 3028 | -1158   | 3011  | -1157   | 1   |         |   |         |     |         |
| Base Kansas City   |   |         | 3291 | -1421   |   |         |     |         |   |         |     |         |
| Arbuckle           |   |         | 3301 | -1431   | 3279  | -1425   | 6   |         | 3295  | -1439   | -8  |         |
| Rotary Total Depth |   |         | 3308 | -1438   | 3355  | -1501   | -63 |         | 3310  | -1454   | -16 |         |
| Log Total Depth    |   |         | 3310 | -1440   |   |         |     |         |   |         |     |         |



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

SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

**Operation:**  
 Test Complete

**DATE**  
 February  
 20  
 2022

DST #1      Formation: Lans "A-F"      Test Interval: 3018 - 3120'      Total Depth: 3120'  
 Time On: 10:22 02/20      Time Off: 17:25 02/20  
 Time On Bottom: 12:07 02/20      Time Off Bottom: 15:07 02/20

Electronic Volume Estimate:  
 N/A

1st Open  
 Minutes: 30  
 Current Reading:

1st Close  
 Minutes: 45  
 Current Reading:

2nd Open  
 Minutes: 45  
 Current Reading:

2nd Close  
 Minutes: 60  
 Current Reading:

Gauging Gas" at 30 min

0" at 45 min

Gauging Gas" at 45 min

34.6" at 60 min

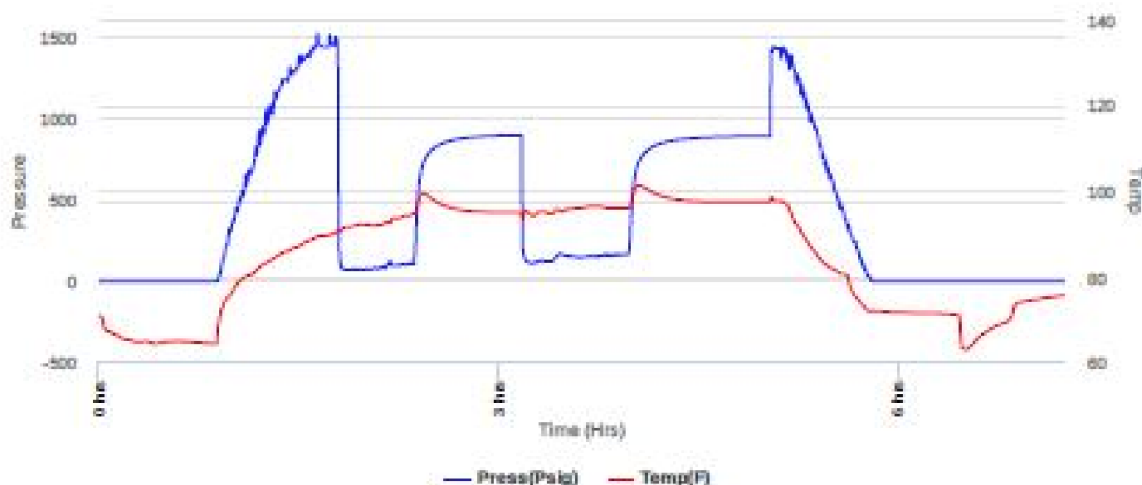
Max Reading: GTS"

Max Reading: 1.5"

Max Reading: Gauging Gas"

Max Reading: 83.6"

INTE RECORDER



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

SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

**Operation:**  
 Test Complete

**DATE**  
 February  
 20  
 2022

**DST #1**      **Formation: Lans "A-F"**      **Test Interval: 3018 - 3120'**      **Total Depth: 3120'**  
 Time On: 10:22 02/20      Time Off: 17:25 02/20  
 Time On Bottom: 12:07 02/20      Time Off Bottom: 15:07 02/20

Recovered

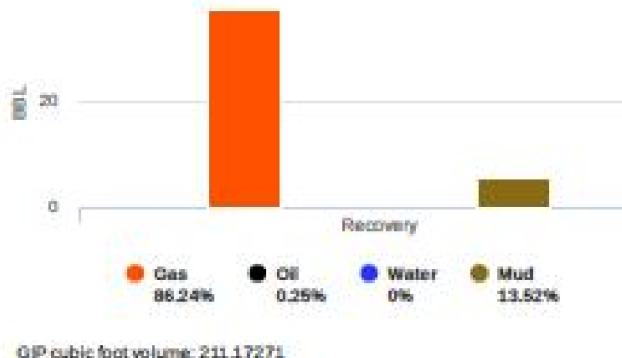
| Feet | BBLS     | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|----------|----------------------|-------|-------|---------|-------|
| 2577 | 36.67071 | G                    | 100   | 0     | 0       | 0     |
| 173  | 2.46179  | M                    | 0     | 0     | 0       | 100   |
| 189  | 2.68947  | SLOCSLGCM            | 15    | 4     | 0       | 81    |
| 126  | 1.79298  | HGCM                 | 30    | 0     | 0       | 70    |

Total Recovered: 3065 ft  
 Total Barrels Recovered: 43.61495

**Reversed Out**  
 NO

|   |            |     |
|---|------------|-----|
| Initial Hydrostatic Pressure                | 1441       | PSI |
| Initial Flow                                | 70 to 106  | PSI |
| Initial Closed in Pressure                  | 901        | PSI |
| Final Flow Pressure                         | 111 to 166 | PSI |
| Final Closed in Pressure                    | 897        | PSI |
| Final Hydrostatic Pressure                  | 1436       | PSI |
| Temperature                                 | 102        | F   |
| Pressure Change Initial Close / Final Close | 0.4        | %   |

**Recovery at a glance**





Company: RJM Oil Company, Inc

SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

Lease: Disque #2

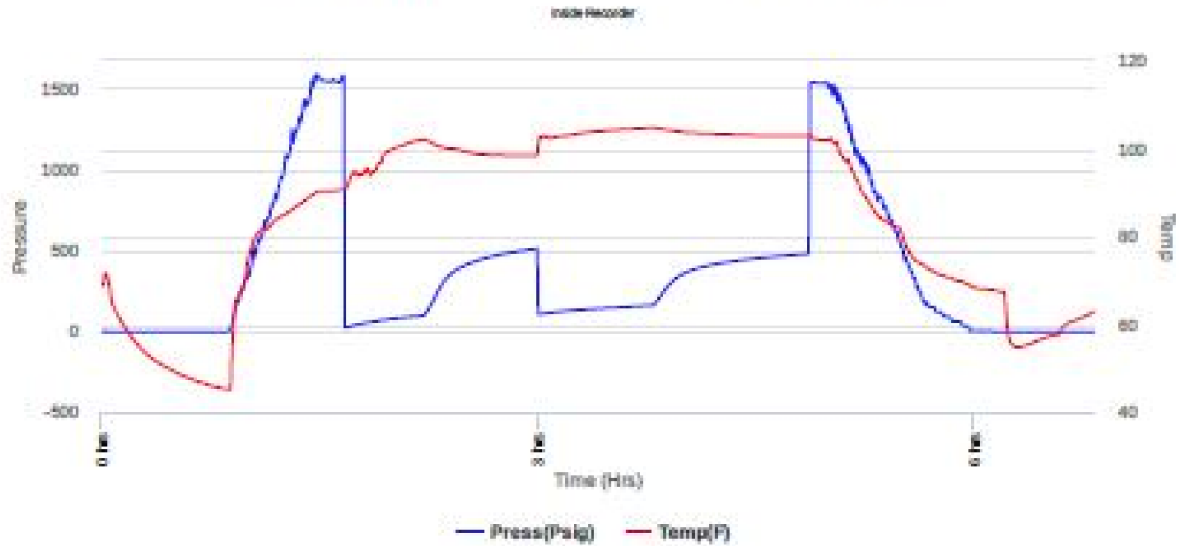
**Operation:**  
 Test Complete

**DATE**  
 February  
 21  
 2022

DST #2      Formation: Lans "H-K"      Test Interval: 3190 - 3260'      Total Depth: 3260'  
 Time On: 04:10 02/21      Time Off: 10:48 02/21  
 Time On Bottom: 05:48 02/21      Time Off Bottom: 08:48 02/21

Electronic Volume Estimate: 277

| 1st Open                         | 1st Close                     | 2nd Open                         | 2nd Close                     |
|----------------------------------|-------------------------------|----------------------------------|-------------------------------|
| Minutes: 30                      | Minutes: 45                   | Minutes: 45                      | Minutes: 60                   |
| Current Reading: 19.2" at 30 min | Current Reading: 0" at 45 min | Current Reading: 14.4" at 45 min | Current Reading: 0" at 60 min |
| Max Reading: 19.2"               | Max Reading: 0"               | Max Reading: 14.4"               | Max Reading: 0"               |



Company: RJM Oil Company, Inc

SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

Lease: Disque #2

**Operation:**  
 Test Complete

**DATE**  
 February  
 21  
 2022

DST #2      Formation: Lans "H-K"      Test Interval: 3190 - 3260'      Total Depth: 3260'  
 Time On: 04:10 02/21      Time Off: 10:48 02/21  
 Time On Bottom: 05:48 02/21      Time Off Bottom: 08:48 02/21

| Recovered | Feet | BBLS    | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|-----------|------|---------|----------------------|-------|-------|---------|-------|
|           | 3    | 0.04269 | SLOCHMCW             | 0     | 2     | 50      | 48    |
|           | 227  | 3.23021 | SLWCM                | 0     | 0     | 10      | 90    |
|           | 157  | 2.23411 | MCW                  | 0     | 0     | 75      | 25    |

Total Recovered: 387 ft  
 Total Barrels Recovered: 5.50701

**Reversed Out**  
 NO

Recovery at a glance

Initial Hydrostatic Pressure 1539 PSI  
 Initial Flow 23 to 101 PSI

|   |            |     |
|---|------------|-----|
| Initial Closed in Pressure                  | 514        | PSI |
| Final Flow Pressure                         | 111 to 164 | PSI |
| Final Closed in Pressure                    | 481        | PSI |
| Final Hydrostatic Pressure                  | 1537       | PSI |
| Temperature                                 | 105        | °F  |
| Pressure Change Initial Close / Final Close | 6.4        | %   |



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

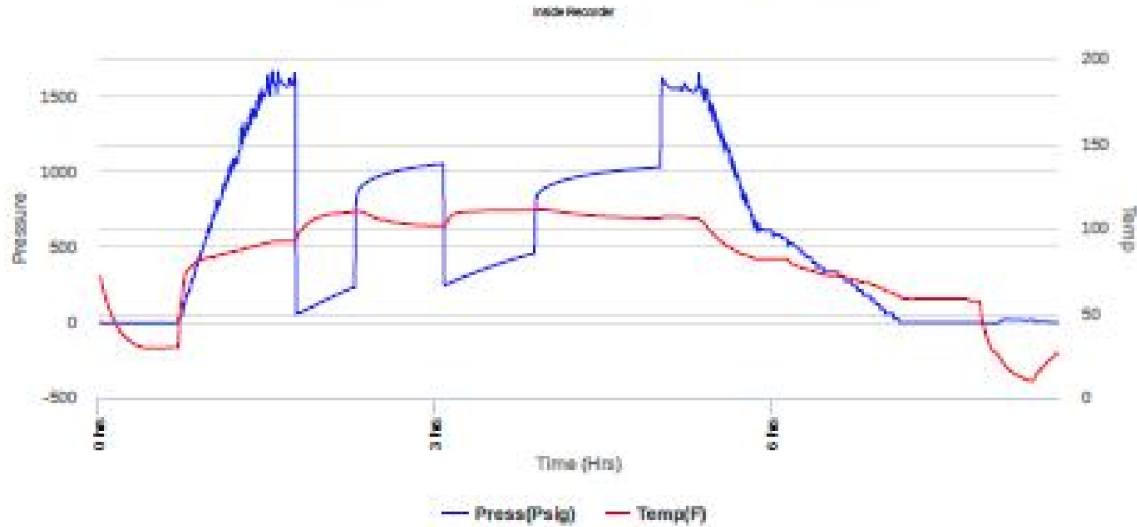
SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

**Operation:**  
 Test Complete

**DATE**  
 February  
 21  
 2022

**DST #3**      **Formation: Arbuckle**      **Test Interval: 3284 - 3308'**      **Total Depth: 3308'**  
 Time On: 18:57 02/21      Time Off: 03:17 02/22  
 Time On Bottom: 20:40 02/21      Time Off Bottom: 23:40 02/21

| Electronic Volume Estimate: | 1st Open                         | 1st Close                     | 2nd Open                         | 2nd Close                     |
|-----------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|
| 1259'                       | Minutes: 30                      | Minutes: 45                   | Minutes: 45                      | Minutes: 60                   |
|                             | Current Reading: 90.6" at 30 min | Current Reading: 0" at 45 min | Current Reading: 71.8" at 45 min | Current Reading: 0" at 60 min |
|                             | Max Reading: 90.6"               | Max Reading: 0"               | Max Reading: 71.8"               | Max Reading: 0"               |



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

SEC: 9 TWN: 17S RNG: 11W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1860 GL  
 Field Name: Kraft-Prusa  
 Pool: Infield  
 Job Number: 551  
 API #: 15-009-26332

**Operation:**  
 Test Complete

**DATE**  
 February  
 21

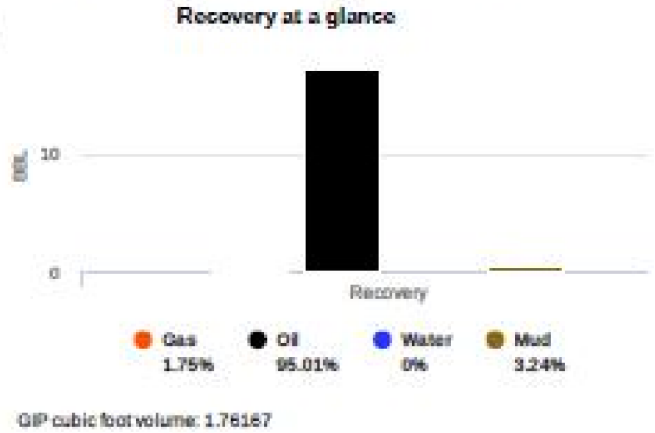
**DST #3**      **Formation: Arbuckle**      **Test Interval: 3284 - 3308'**      **Total Depth: 3308'**  
 Time On: 18:57 02/21      Time Off: 03:17 02/22

| Recovered |         | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|-----------|---------|----------------------|-------|-------|---------|-------|
| Feet      | BBLS    |                      |       |       |         |       |
| 1200      | 17.076  | O                    | 0     | 100   | 0       | 0     |
| 63        | 0.89649 | HGCM                 | 35    | 0     | 0       | 65    |

Total Recovered: 1263 ft  
Total Barrels Recovered: 17.97249

Reversed Out: NO

|   |            |     |
|---|------------|-----|
| Initial Hydrostatic Pressure                | 1569       | PSI |
| Initial Flow                                | 59 to 235  | PSI |
| Initial Closed in Pressure                  | 1050       | PSI |
| Final Flow Pressure                         | 251 to 459 | PSI |
| Final Closed in Pressure                    | 1027       | PSI |
| Final Hydrostatic Pressure                  | 1566       | PSI |
| Temperature                                 | 111        | °F  |
| Pressure Change Initial Close / Final Close | 2.2        | %   |



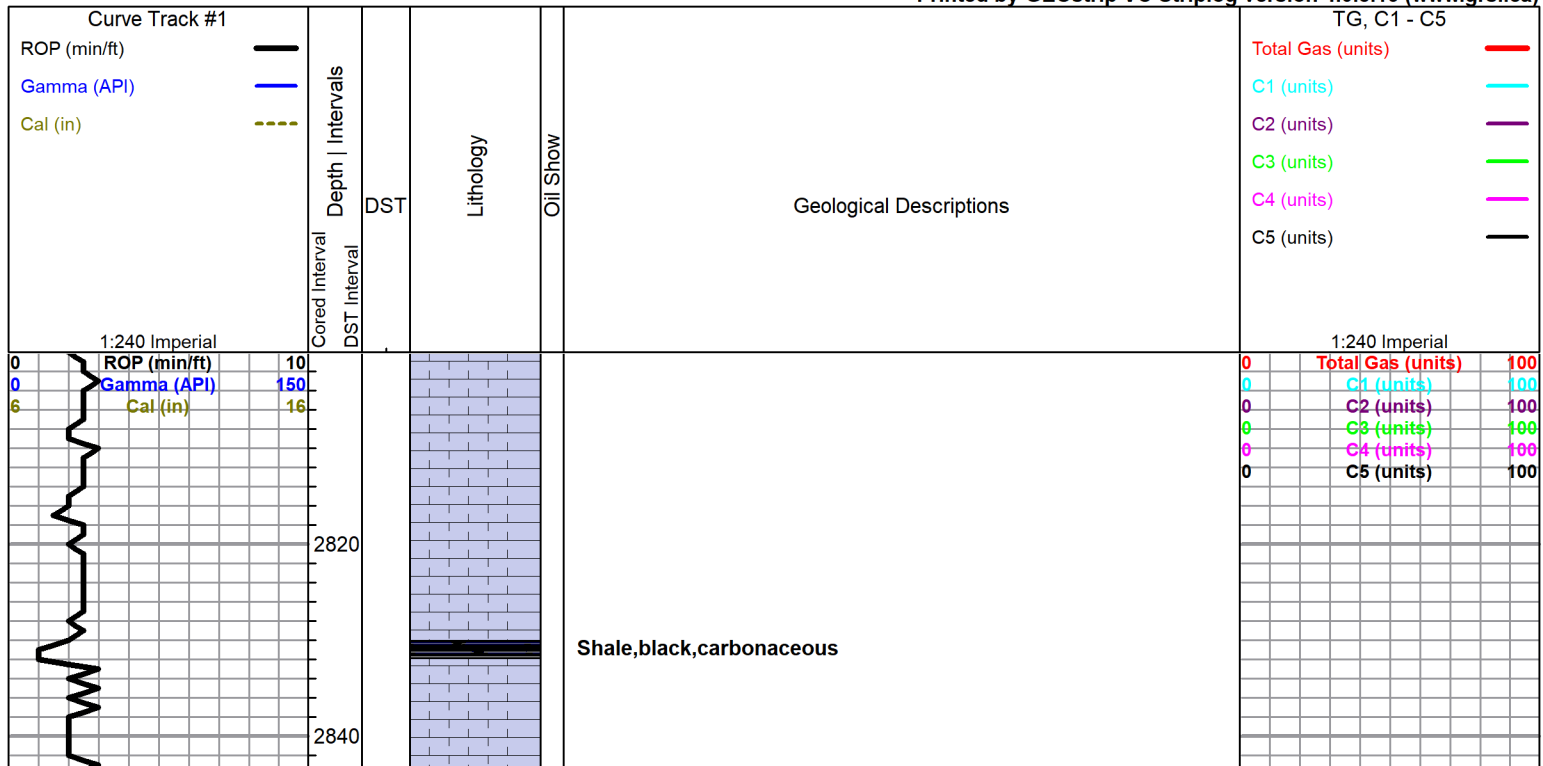
### ROCK TYPES

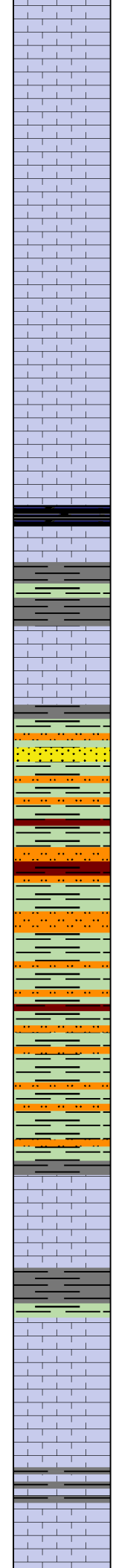
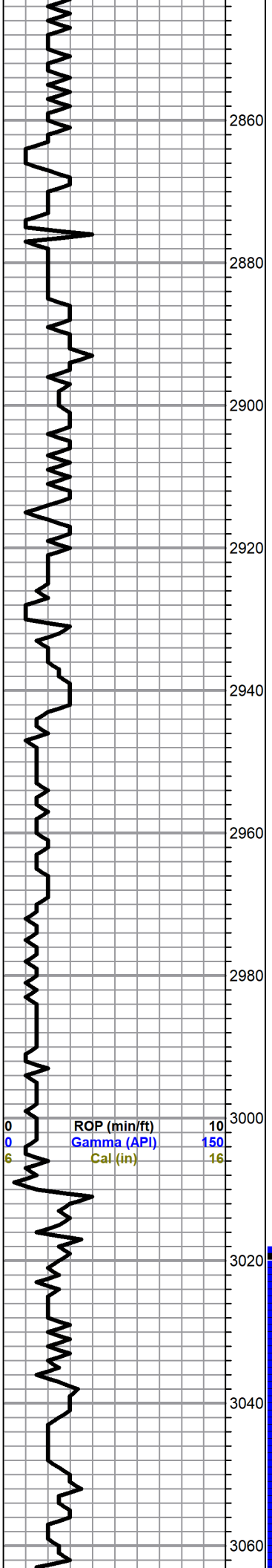
|  |           |  |            |  |            |  |       |
|--|-----------|--|------------|--|------------|--|-------|
|  | Dolprim   |  | shale, grn |  | Carbon Sh  |  | Ss    |
|  | Lmst fw7> |  | shale, gry |  | shale, red |  | Sltst |

### OTHER SYMBOLS

|  |                    |  |           |
|--|--------------------|--|-----------|
|  | ● Good Show        |  | DST Int   |
|  | ● Fair Show        |  | DST alt   |
|  | ○ Poor Show        |  | Core      |
|  | ○ Spotted or Trace |  | tail pipe |
|  | ○ Questionable Stn |  |           |
|  | D Dead Oil Stn     |  |           |
|  | ■ Fluorescence     |  |           |
|  | * Gas              |  |           |

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Limestone,white,brown,gray,fine crystalline,chalky,with minor chert

Limestone as above

ditto aa

**HEEBNER 2914(-1048)**

Shale,black,carbonaceous

**TORONTO 2929(-1063)**

Limestone,cream,gray,oolitic,poor visible porosity,poor stain,trace free oil,chalky

**DOUGLAS 2943(-1075)**

Shale,gray ,green,red,silty

As above

ditto

as above

**BROWN LIME 3013(-1145)**

Limestone,tan,brown,micro crystalline,cherty,dense

**LANSING 3029(-1161)**

Limestone,white,tan,gray,finely crystalline,dense,chalky

Limestone,white,tan,gray,fxl,fossiliferous,chalky,poor pin point porosity,tace free oil,poor stain,faint odor

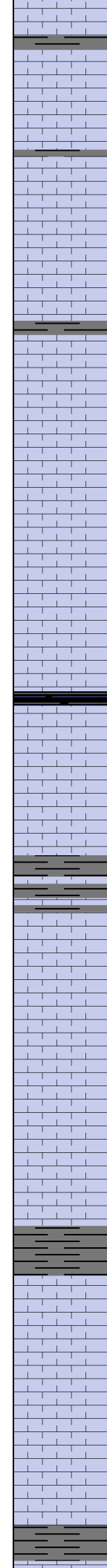
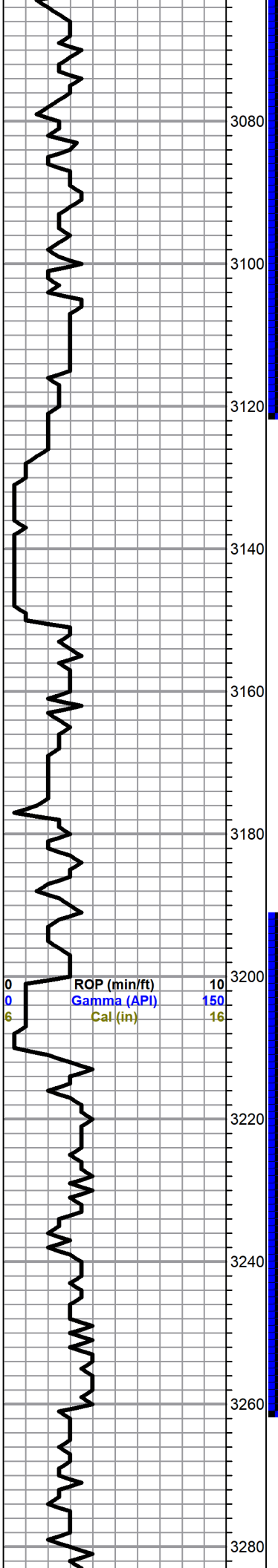
shale,gray

as above no shows

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |
| 0 | C5 (units)        | 100 |

DST #1 3018-3120  
 30-30-45-45  
 Blow,strong,gts 3  
 mins,maxium  
 gauge 242,000  
 cfgpd..stablized@  
 144,000 cfgpd

RECOVERY  
 173'Mud  
 189'Slightly oil  
 and gas cut mud  
 (15%gas,4% oil,81%



Limestone,tan,gray,oolitic,chalky,poor stain,trace free oil ,faint odor

shale ,gray,black

Limestone,tan,gray,brown,slightly oolitic,cherty, poor porosity,trace free oil,poor stain,faint bodor

Limestone,tan,brown,fxl,fossiliferous,cherty,dense

as above

Limestone,white,gray,oolitic,oomoldic,poorly developed porosity,chalky,show of free oil,poor stain,faint odor

as above no show

Limestone,brown,dense

Shale,black,carbonaceous

Limestone,white,brown,gray,fossiliferous in part,chalky,no show

Varied colored soft shale

Limestone,gray,chalky,dense

Limestone,white,tan,oolitic,oomoldic,fair porosity,light brown stain,show gas bubbles,show of free oil strong odor

Limestone,tan,fossiliferous in part,dense

Shale,gray,black

Limestone,white,tan,chalky,few cherty,dense

Limstone,white,brown,oolitic,trace stain,trace free oil,faint odor

Limestone,white,gray,dense

Shale,gray,black,green

mud)  
126'gas cut mud

ISIP 901 psi  
FSIP 897 psi  
IFP 70-106 psi  
FFP 111-166 psi  
HSH 1441-1436 psi

DST#2 3190-3260  
30-30-45-45  
Blow;good(bob 12 mins)2nd opening ;good(bob 30mins0

RECOVERY  
3'Slightly oil cut muddy water (2%oil,50% water,48%mud)  
227'Slightly water cut mud  
157'muddy water

ISIP 514 psi  
FSIP 481psi  
IFP 23-101psi  
FFP 111-164 psi  
HSH 1539-1537 psi  
C3 (units) 100  
C4 (units) 100  
C5 (units) 100

DST#3 3284-3308  
30-30-45-45  
Blow;strong(bob 3 mins), 2nd opening ;strong (bob 4 mins)

RECOVERY  
1200' CLEAN OIL  
63'HEAVILY GAS CUT MUD

ISIP 1050 psi  
FSIP 1027 psi  
IFP 59-235 psi

FFP 251-459 psi  
HSH 1569-1566  
psi

**BASE KANSAS CITY 3291(-1421)**

Shale,green,rusty brown,dark gray

**ARBUCKLE 3301(-1431)**

Dolomite,white,tan,finely crystalline,coarse crystalline,spotted  
brown stain,trace free oil and strong odor

3300  
3320  
3340

