

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample 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 <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <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: <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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL: Top Bottom |
|---|--|------------------------------------|

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

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

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | RJM Company |
| Well Name | HULL 3 |
| Doc ID | 1664923 |

All Electric Logs Run

| |
|-----|
| |
| DIL |
| CDL |
| CNL |
| MEL |



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
06
2022

DST #1 **Formation: Lans A-G** **Test Interval: 3157 - 3250'** **Total Depth: 3250'**
Time On: 15:25 08/06 Time Off: 22:51 08/06
Time On Bottom: 17:56 08/06 Time Off Bottom: 21:11 08/06

Electronic Volume Estimate:
147'

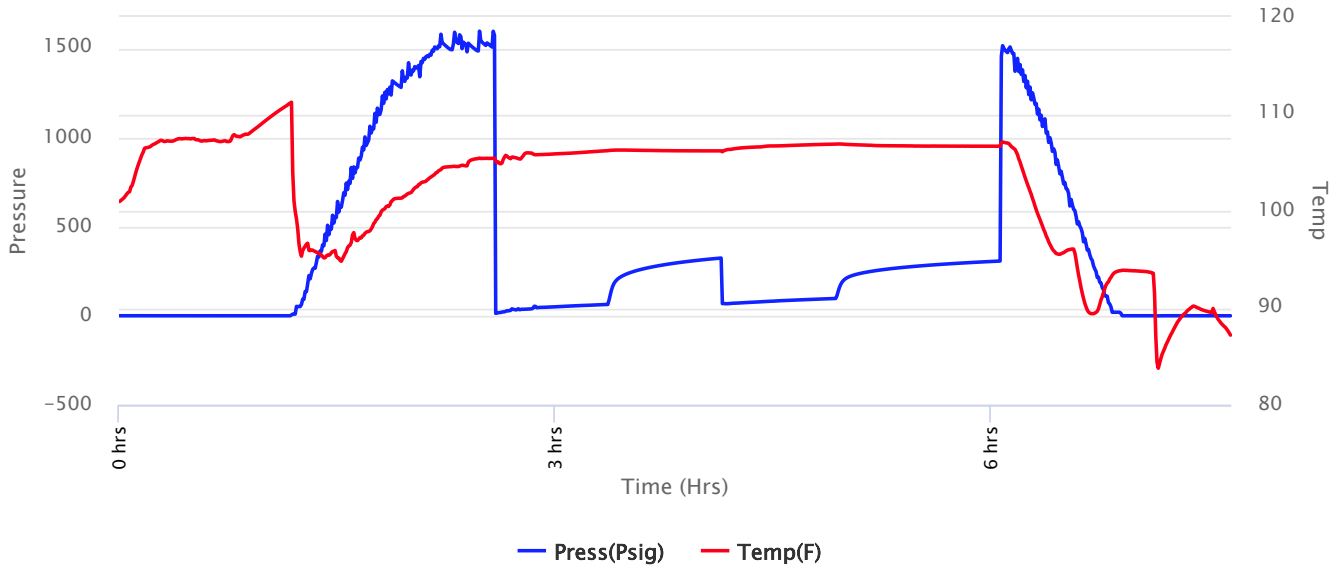
1st Open
Minutes: 45
Current Reading:
12" at 45 min
Max Reading: 12"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
6" at 45 min
Max Reading: 6"

2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
06
2022

DST #1 **Formation: Lans A-G** **Test Interval: 3157 - 3250'** **Total Depth: 3250'**
Time On: 15:25 08/06 Time Off: 22:51 08/06
Time On Bottom: 17:56 08/06 Time Off Bottom: 21:11 08/06

Recovered

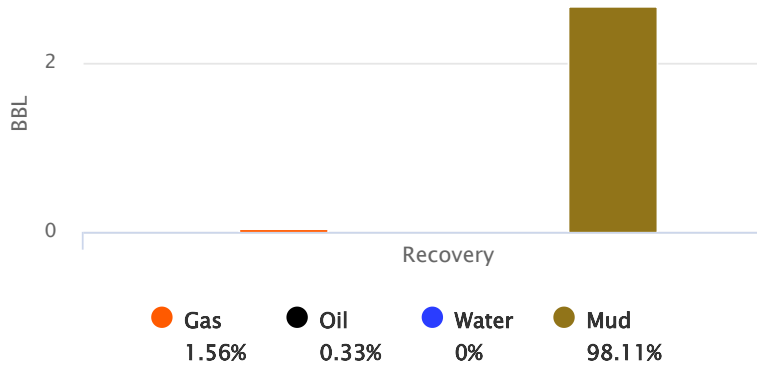
| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 3 | 0.04269 | G | 100 | 0 | 0 | 0 |
| 63 | 0.89649 | SLOCM | 0 | 1 | 0 | 99 |
| 126 | 1.79298 | M | 0 | 0 | 0 | 100 |

Total Recovered: 192 ft
Total Barrels Recovered: 2.73216

Reversed Out
NO

| | | |
|---|------------|------------|
| Initial Hydrostatic Pressure | 1511 | PSI |
| Initial Flow | 14 to 64 | PSI |
| Initial Closed in Pressure | 325 | PSI |
| Final Flow Pressure | 69 to 98 | PSI |
| Final Closed in Pressure | 308 | PSI |
| Final Hydrostatic Pressure | 1518 | PSI |
| Temperature | 107 | °F |
| Pressure Change Initial Close / Final Close | 5.2 | % |

Recovery at a glance



GIP cubic foot volume: 0.23968



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
06
2022

DST #1 **Formation: Lans A-G** **Test Interval: 3157 - 3250'** **Total Depth: 3250'**
Time On: 15:25 08/06 Time Off: 22:51 08/06
Time On Bottom: 17:56 08/06 Time Off Bottom: 21:11 08/06

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 7.3 FT | Packer 1: 3152 FT |
| Drill Pipe: 3139.14 FT <i>ID-3 1/2</i> | Packer 2: 3157 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 3144 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 3225 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 93 | Surface Choke: 1" |
| <u>Anchor Makeup</u> | |
| Packer Sub: 1 FT | Bottom Choke: 5/8" |
| Perforations: (top): 1 FT <i>4 1/2-FH</i> | |
| Change Over: 1 FT | |
| Drill Pipe: (in anchor): 63.5 FT <i>ID-3 1/2</i> | |
| Change Over: .5 FT | |
| Perforations: (below): 26 FT <i>4 1/2-FH</i> | |



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
06
2022

DST #1 **Formation: Lans A-G** **Test Interval: 3157 - 3250'** **Total Depth: 3250'**
Time On: 15:25 08/06 Time Off: 22:51 08/06
Time On Bottom: 17:56 08/06 Time Off Bottom: 21:11 08/06

Gas Volume Report

1st Open

2nd Open

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

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



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
07
2022

DST #2 Formation: Lans H-K Test Interval: 3290 - 3360' Total Depth: 3360'

Time On: 08:39 08/07 Time Off: 13:06 08/07
Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

Electronic Volume Estimate:
3'

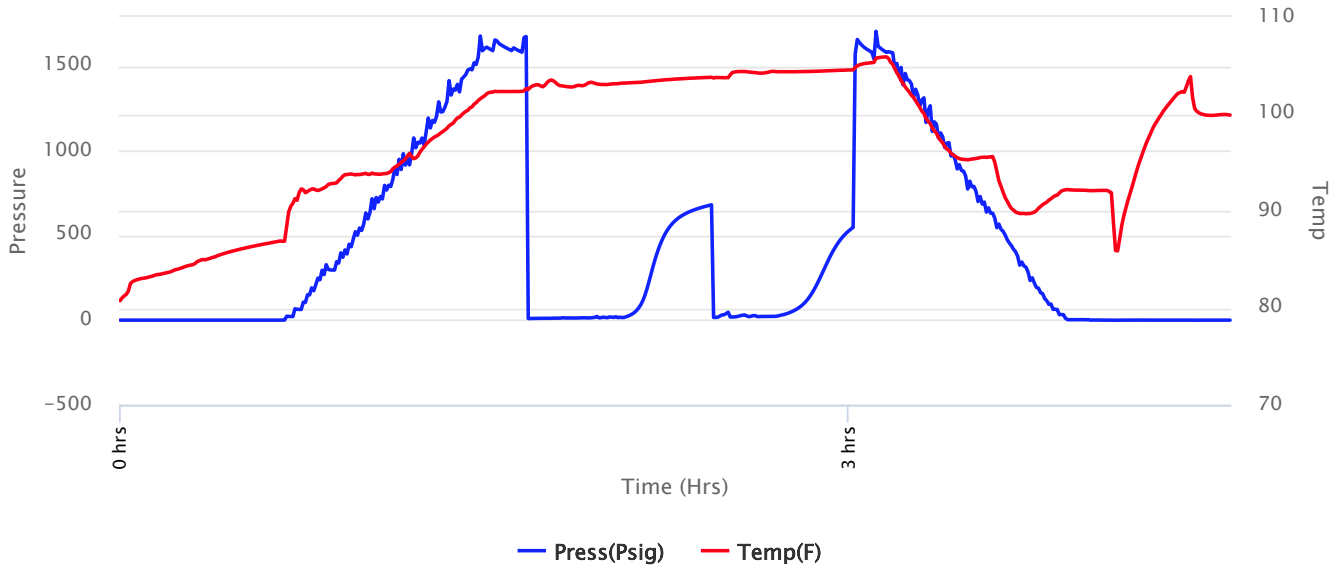
1st Open
Minutes: 20
Current Reading: .3" at 20 min
Max Reading: .3"

1st Close
Minutes: 20
Current Reading: 0" at 20 min
Max Reading: 0"

2nd Open
Minutes: 15
Current Reading: 0" at 15 min
Max Reading: 0"

2nd Close
N/A

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
07
2022

DST #2 **Formation: Lans H-K** **Test Interval: 3290 - 3360'** **Total Depth: 3360'**

Time On: 08:39 08/07 Time Off: 13:06 08/07
Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

Recovered

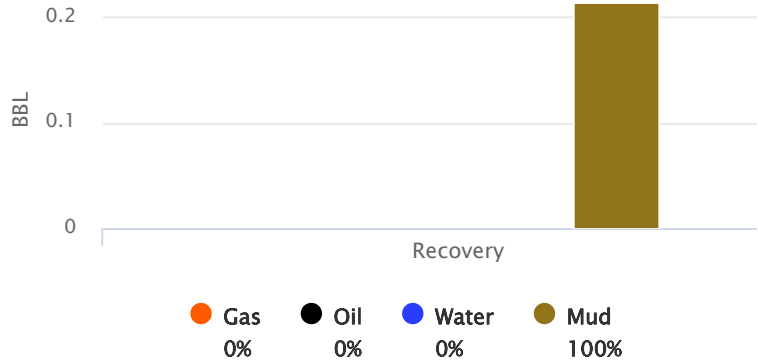
| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 15 | 0.21345 | M | 0 | 0 | 0 | 100 |

Total Recovered: 15 ft
Total Barrels Recovered: 0.21345

Reversed Out
NO

| | | |
|---|------------|------------|
| Initial Hydrostatic Pressure | 1584 | PSI |
| Initial Flow | 11 to 17 | PSI |
| Initial Closed in Pressure | 682 | PSI |
| Final Flow Pressure | 17 to 23 | PSI |
| Final Closed in Pressure | 548 | PSI |
| Final Hydrostatic Pressure | 1585 | PSI |
| Temperature | 105 | °F |
| Pressure Change Initial Close / Final Close | 19.7 | % |

Recovery at a glance



GIP cubic foot volume: 0



**Company: RJM Oil Company,
Inc**

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery &
pressures

DATE
August
07
2022

DST #2 Formation: Lans H-K Test Interval: 3290 - Total Depth: 3360'
3360'

Time On: 08:39 08/07 Time Off: 13:06 08/07
Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

BUCKET MEASUREMENT:

1st Open: WSB. Built to 1/4 inch in 20 minutes

1st Close: NOBB

2nd Open: No Blow

2nd Close: NOBB

REMARKS:

Flushed Tool 5 minutes into Final flow. GOOD Flush

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



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
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07
2022

DST #2 Formation: Lans H-K Test Interval: 3290 - 3360' Total Depth: 3360'

Time On: 08:39 08/07 Time Off: 13:06 08/07
Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 31.32 FT | Packer 1: 3285 FT |
| Drill Pipe: 3296.16 FT <i>ID-3 1/2</i> | Packer 2: 3290 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 3277 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 3326 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 70 | Surface Choke: 1" |
| <u>Anchor Makeup</u> | Bottom Choke: 5/8" |
| Packer Sub: 1 FT | |
| Perforations: (top): 1 FT <i>4 1/2-FH</i> | |
| Change Over: .5 FT | |
| Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/2</i> | |
| Change Over: 1 FT | |
| Perforations: (below): 35 FT <i>4 1/2-FH</i> | |



**Company: RJM Oil Company,
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Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery &
pressures

DATE
August
07
2022

DST #2 Formation: Lans H-K Test Interval: 3290 - Total Depth: 3360'
3360'

Time On: 08:39 08/07 Time Off: 13:06 08/07
Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

Mud Properties

Mud Type: Chem **Weight:** 8.6 **Viscosity:** 47 **Filtrate:** 8.8 **Chlorides:** 3000 ppm



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
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Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
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2022

DST #2 Formation: Lans H-K Test Interval: 3290 - 3360' Total Depth: 3360'

Time On: 08:39 08/07 Time Off: 13:06 08/07
Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

Gas Volume Report

1st Open

2nd Open

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

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



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
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DATE
August
07
2022

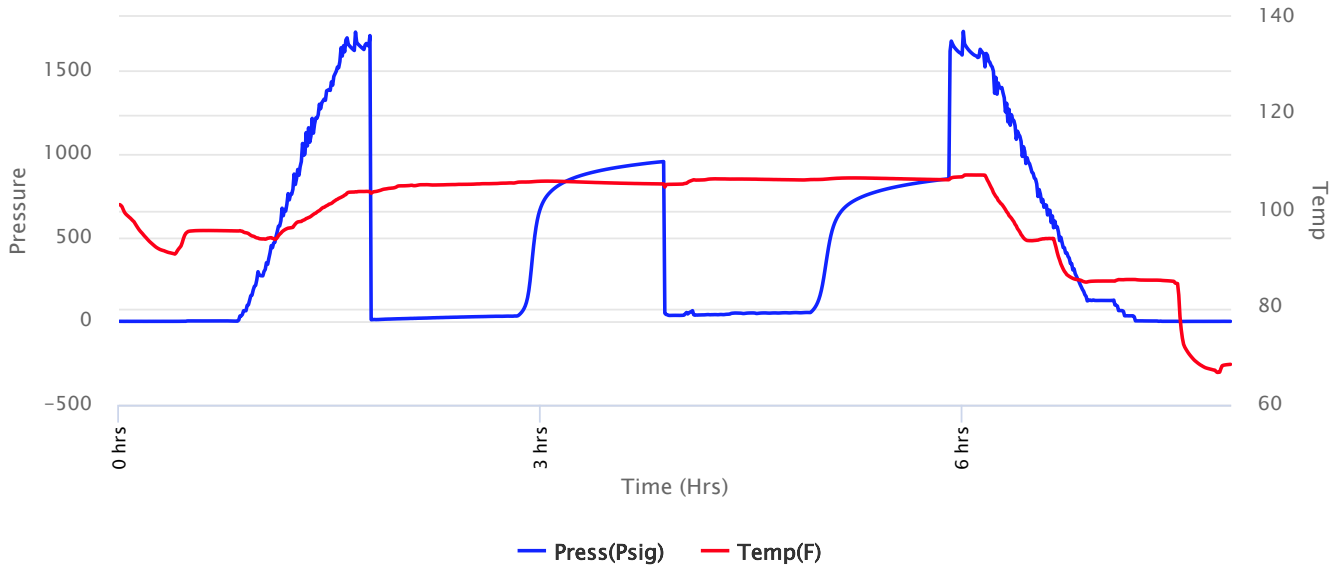
DST #3 Formation: Arbuckle Test Interval: 3356 - 3395' Total Depth: 3395'

Time On: 20:36 08/07 Time Off: 04:18 08/08
Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

Electronic Volume Estimate:
102'

| <u>1st Open</u> | 1st Close | <u>2nd Open</u> | 2nd Close |
|---------------------------------|-------------------------------|---------------------------------|-------------------------------|
| Minutes: 60 | Minutes: 60 | Minutes: 60 | Minutes: 60 |
| Current Reading: 6.3" at 60 min | Current Reading: 0" at 60 min | Current Reading: 5.3" at 60 min | Current Reading: 0" at 60 min |
| Max Reading: 6.3" | Max Reading: 0" | Max Reading: 5.3" | Max Reading: 0" |

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 1896 GL
 Field Name: Hoisington SW
 Pool: Infield
 Job Number: 595
 API #: 15-009-26366

Operation:
 Uploading recovery & pressures

DATE
 August
07
 2022

DST #3 **Formation: Arbuckle** **Test Interval: 3356 - 3395'** **Total Depth: 3395'**

Time On: 20:36 08/07 Time Off: 04:18 08/08
 Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

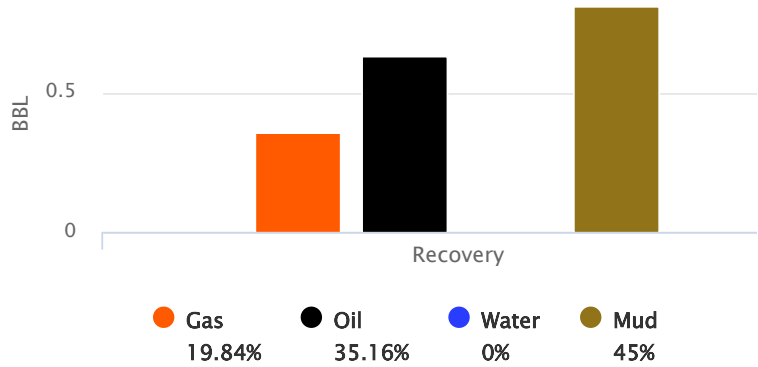
Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 25 | 0.35575 | G | 100 | 0 | 0 | 0 |
| 38 | 0.54074 | O | 0 | 100 | 0 | 0 |
| 63 | 0.89649 | SLOCM | 0 | 10 | 0 | 90 |

Total Recovered: 126 ft
 Total Barrels Recovered: 1.79298

Reversed Out
 NO

Recovery at a glance



| | | |
|-----------------------------------|------------|------------|
| Initial Hydrostatic Pressure | 1629 | PSI |
| Initial Flow | 10 to 32 | PSI |
| Initial Closed in Pressure | 958 | PSI |
| Final Flow Pressure | 36 to 53 | PSI |
| Final Closed in Pressure | 855 | PSI |
| Final Hydrostatic Pressure | 1630 | PSI |
| Temperature | 107 | °F |

Pressure Change Initial Close / Final Close 10.8 %

GIP cubic foot volume: 1.99736



**Company: RJM Oil Company,
Inc**

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery &
pressures

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07
2022

DST #3 Formation: Arbuckle Test Interval: 3356 - Total Depth: 3395'
3395'
Time On: 20:36 08/07 Time Off: 04:18 08/08
Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

BUCKET MEASUREMENT:

1st Open: WSB. Built to 6 1/4 inches in 60 minutes
1st Close: NOBB
2nd Open: WSB. Built to 5 1/4 inches in 60 minutes
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 40% Oil 0% Water 60% Mud
Gravity: 39.2 @ 60 °F



Company: RJM Oil Company, Inc

Lease: Hull #3

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County: BARTON
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Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
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Time On: 20:36 08/07 Time Off: 04:18 08/08
Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 28.04 FT | Packer 1: 3351 FT |
| Drill Pipe: 3358.88 FT <i>ID-3 1/2</i> | Packer 2: 3356 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 3343 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 3358 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 39 | Surface Choke: 1" |
| Anchor Makeup | |
| Packer Sub: 1 FT | Bottom Choke: 5/8" |
| Perforations: (top): FT <i>4 1/2-FH</i> | |
| Change Over: FT | |
| Drill Pipe: (in anchor): FT <i>ID-3 1/2</i> | |
| Change Over: FT | |
| Perforations: (below): 38 FT <i>4 1/2-FH</i> | |



**Company: RJM Oil Company,
Inc**

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
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pressures

DATE
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2022

DST #3 Formation: Arbuckle Test Interval: 3356 - Total Depth: 3395'
3395'

Time On: 20:36 08/07 Time Off: 04:18 08/08
Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

Mud Properties

Mud Type: Chem **Weight:** 9.3 **Viscosity:** 52 **Filtrate:** 10.4 **Chlorides:** 8500 ppm



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
07
2022

DST #3 Formation: Arbuckle Test Interval: 3356 - 3395' Total Depth: 3395'

Time On: 20:36 08/07 Time Off: 04:18 08/08
Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

Gas Volume Report

1st Open

2nd Open

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

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



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
08
2022

DST #4 Formation: Arbuckle Test Interval: 3388 - 3403' Total Depth: 3403'

Time On: 10:51 08/08 Time Off: 17:16 08/08
Time On Bottom: 12:23 08/08 Time Off Bottom: 15:53 08/08

Electronic Volume Estimate:
115'

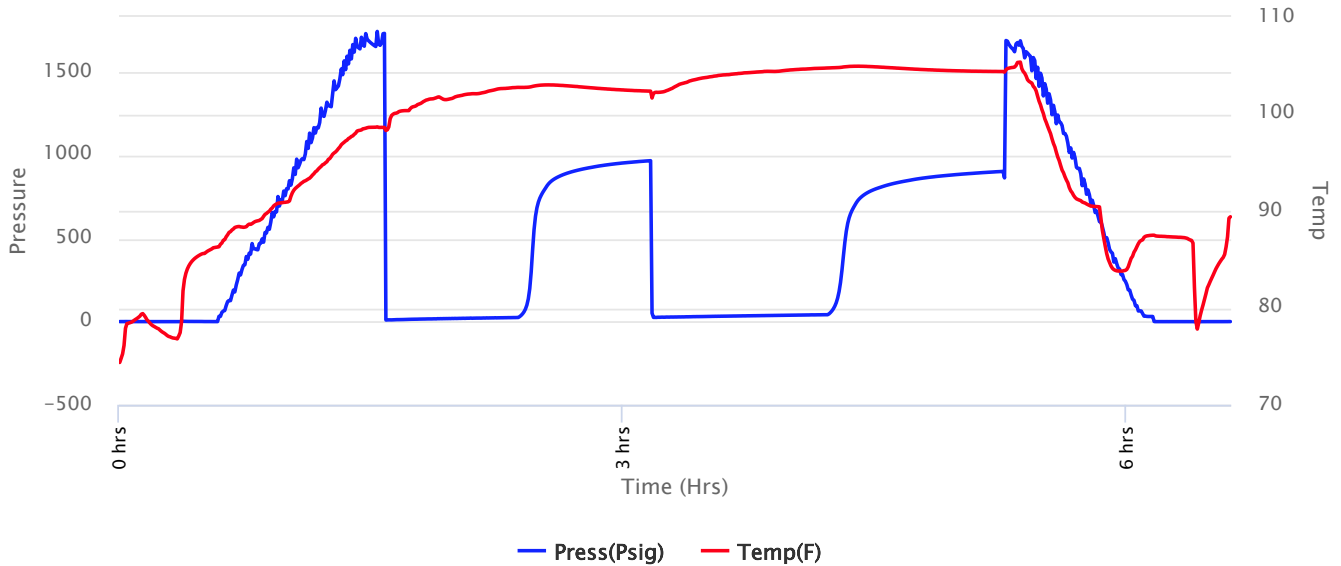
1st Open
Minutes: 45
Current Reading: 6" at 45 min
Max Reading: 6"

1st Close
Minutes: 45
Current Reading: 0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading: 7" at 60 min
Max Reading: 7"

2nd Close
Minutes: 60
Current Reading: 0" at 60 min
Max Reading: 0"

Inside Recorder





Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 1896 GL
 Field Name: Hoisington SW
 Pool: Infield
 Job Number: 595
 API #: 15-009-26366

Operation:
 Uploading recovery & pressures

DATE
 August
08
 2022

DST #4 **Formation: Arbuckle** **Test Interval: 3388 - 3403'** **Total Depth: 3403'**

Time On: 10:51 08/08 Time Off: 17:16 08/08
 Time On Bottom: 12:23 08/08 Time Off Bottom: 15:53 08/08

Recovered

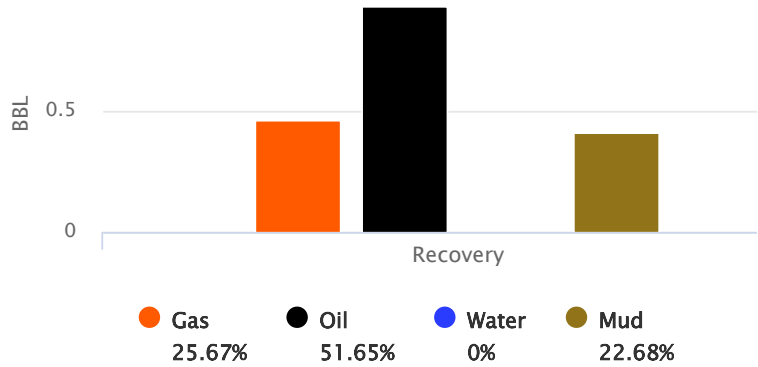
| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 31 | 0.44113 | G | 100 | 0 | 0 | 0 |
| 64 | 0.91072 | O | 0 | 100 | 0 | 0 |
| 32 | 0.45536 | SLGCSLOC SLWCM | 5 | 5 | 0 | 90 |

Total Recovered: 127 ft
 Total Barrels Recovered: 1.80721

Reversed Out
 NO

| | | |
|---|------------|------------|
| Initial Hydrostatic Pressure | 1656 | PSI |
| Initial Flow | 10 to 26 | PSI |
| Initial Closed in Pressure | 969 | PSI |
| Final Flow Pressure | 26 to 42 | PSI |
| Final Closed in Pressure | 904 | PSI |
| Final Hydrostatic Pressure | 1657 | PSI |
| Temperature | 105 | °F |
| Pressure Change Initial Close / Final Close | 6.7 | % |

Recovery at a glance



GIP cubic foot volume: 2.60456



**Company: RJM Oil Company,
Inc**

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery &
pressures

DATE
August
08
2022

DST #4 Formation: Arbuckle Test Interval: 3388 - Total Depth: 3403'
3403'
Time On: 10:51 08/08 Time Off: 17:16 08/08
Time On Bottom: 12:23 08/08 Time Off Bottom: 15:53 08/08

BUCKET MEASUREMENT:

1st Open: WSB. Built to 6 inches in 45 minutes
1st Close: NOBB
2nd Open: WSB. Built to 7 inches in 60 minutes
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 45% Oil 0% Water 55% Mud
Gravity: 38.7 @ 60 °F



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
08
2022

DST #4 Formation: Arbuckle Test Interval: 3388 - 3403' Total Depth: 3403'

Time On: 10:51 08/08 Time Off: 17:16 08/08
Time On Bottom: 12:23 08/08 Time Off Bottom: 15:53 08/08

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 27.54 FT | Packer 1: 3383 FT |
| Drill Pipe: 3390.38 FT <i>ID-3 1/2</i> | Packer 2: 3388 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 3375 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 3390 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 15 | Surface Choke: 1" |
| <u>Anchor Makeup</u> | |
| Packer Sub: 1 FT | Bottom Choke: 5/8" |
| Perforations: (top): FT <i>4 1/2-FH</i> | |
| Change Over: FT | |
| Drill Pipe: (in anchor): FT <i>ID-3 1/2</i> | |
| Change Over: FT | |
| Perforations: (below): 14 FT <i>4 1/2-FH</i> | |



Company: RJM Oil Company, Inc

Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
08
2022

DST #4 Formation: Arbuckle Test Interval: 3388 - 3403' Total Depth: 3403'

Time On: 10:51 08/08 Time Off: 17:16 08/08
Time On Bottom: 12:23 08/08 Time Off Bottom: 15:53 08/08

Gas Volume Report

1st Open

2nd Open

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

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

OPERATOR

Company: RJM Company
 Address: PO Box 256
 Claflin KS 67525

Contact Geologist: Chris Hoffman
 Contact Phone Nbr: 620-786-8744
 Well Name: Hull #3
 Location: 20-17s-13-w N2-NE-SW-SE
 API: 15-009-26366-00-00
 Pool:
 State: Kansas

Field: Hull
 Country: USA



Scale 1:240 Imperial

Well Name: Hull #3
 Surface Location: 20-17s-13-w N2-NE-SW-SE
 Bottom Location:
 API: 15-009-26366-00-00
 License Number: 30458
 Spud Date: 8/1/2022 Time: 12:00 AM
 Region: Barton
 Drilling Completed: 8/9/2022 Time: 12:00 AM
 Surface Coordinates: 1300' FSL & 1650' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1897.00ft
 K.B. Elevation: 1907.00ft
 Logged Interval: 2700.00ft To: 3447.00ft
 Total Depth: 3445.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

CASING SUMMARY

| | Surface | Intermediate | Main | | |
|-------------|-----------|--------------|------|-------------|----------------|
| Bit Size | | | | | |
| Hole Size | | | | | |
| | Size | Set At | Type | # of Joints | Drilled Out At |
| Surf Casing | 8 5/8" in | 482 ft | | | |
| Int Casing | | | | | |
| Prod Casing | 5 1/2" in | 3440 ft | | | |

CASING SEQUENCE

| Type | Hole Size | Casing Size | At |
|------|-----------|-------------|---------|
| | 0.00 in | 0.00 | 0.00 ft |

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 1300' FSL
 E/W Co-ord: 1650' 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

Name: James C Musgrove /Steven Murphy

CONTRACTOR

Contractor: Southwind Drilling
 Rig #: 1
 Rig Type: mud rotary
 Spud Date: 8/1/2022 Time: 12:00 AM
 TD Date: 8/9/2022 Time: 12:00 AM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1907.00ft Ground Elevation: 1897.00ft
 K.B. to Ground: 10.00ft

NOTES

REMARKS:

5 1/2" production casing was set and cemented on the RJM Oil Company, Hull #3.

Respectfully Submitted,

James C Musgrove
 Steve Murphy
 Petroleum Geologists

well comparison sheet

| Formation | HULL #3 RJM OIL COMPANY N/2-NE-SW-SE 20-17s-13w | | | | HULL #1 J F DARBY S2-SW-SE 20-17s-13w | | | | HULL #2 J F DARBY N2-SW-SE 20-17s-13w | | | |
|--------------------|--|---------|---------|---------|--|---------|---------|-----|--|---------|--------|-----|
| | 1907 KB | | 1897 KB | | Relationship | | 1844 KB | | Structural Relationship | | | |
| | Sample | Sub-Sea | Log | Sub-Sea | Log | Sub-Sea | Sample | Log | Log | Sub-Sea | Sample | Log |
| Anhydrite | | | 849 | 1058 | | | | | | | | |
| Howard | | | 873 | 1034 | | | | | | | | |
| Topeka | | | 2757 | -850 | | | | | | | | |
| Heebner | | | 3070 | -1163 | 3057 | -1160 | | -3 | 3057 | -1213 | | 50 |
| Toronto | | | 3087 | -1180 | | | | | | | | |
| Douglas | | | 3098 | -1191 | | | | | | | | |
| Brown Lime | | | 3151 | -1244 | 3141 | -1244 | | 0 | | | | |
| Lansing | | | 3161 | -1254 | 3158 | -1261 | | 7 | 3150 | -1306 | | 52 |
| Base Kansas City | | | 3368 | -1461 | | | | | | | | |
| Arbuckle | | | 3379 | -1472 | 3363 | -1466 | | -6 | 3365 | -1521 | | 49 |
| Rotary Total Depth | | | 3445 | -1538 | | | | | | | | |
| Total Depth | | | 3447 | -1540 | 3383 | -1486 | | -54 | 3401 | -1557 | | 17 |



Operation:
 Uploading recovery &

Company: RJM Oil Company,
 Inc
 Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling,
 Inc - Rig 1
 Elevation: 1896 GL
 Field Name: Hoisington SW
 Pool: Infield

DATE

August

06

2022

DST #1 Formation: Lans A-G Test Interval: 3157 - 3250' Total Depth: 3250'

Time On: 15:25 08/06 Time Off: 22:51 08/06

Time On Bottom: 17:56 08/06 Time Off Bottom: 21:11 08/06

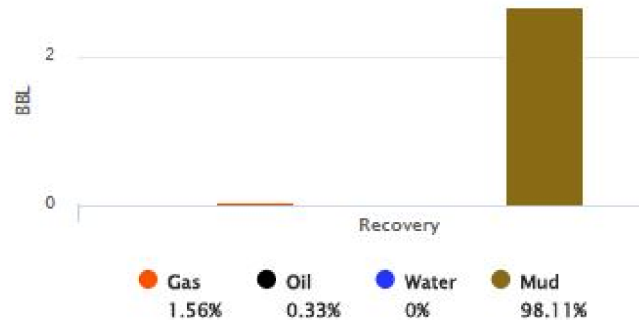
Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 3 | 0.04269 | G | 100 | 0 | 0 | 0 |
| 63 | 0.89649 | SLOCM | 0 | 1 | 0 | 99 |
| 126 | 1.79298 | M | 0 | 0 | 0 | 100 |

Total Recovered: 192 ft
Total Barrels Recovered: 2.73216Reversed Out
NO

| | | |
|---|----------|-----|
| Initial Hydrostatic Pressure | 1511 | PSI |
| Initial Flow | 14 to 64 | PSI |
| Initial Closed in Pressure | 325 | PSI |
| Final Flow Pressure | 69 to 98 | PSI |
| Final Closed in Pressure | 308 | PSI |
| Final Hydrostatic Pressure | 1518 | PSI |
| Temperature | 107 | °F |
| Pressure Change Initial Close / Final Close | 5.2 | % |

Recovery at a glance



GIP cubic foot volume: 0.23968

**Company: RJM Oil Company, Inc**
Lease: Hull #3SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366**Operation:**Uploading recovery &
pressures**DATE**

August

07

2022

DST #2 Formation: Lans H-K Test Interval: 3290 - 3360' Total Depth: 3360'

Time On: 08:39 08/07 Time Off: 13:06 08/07

Time On Bottom: 10:17 08/07 Time Off Bottom: 11:27 08/07

Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 15 | 0.21345 | M | 0 | 0 | 0 | 100 |

Total Recovered: 15 ft
Total Barrels Recovered: 0.21345Reversed Out
NO

| | | |
|------------------------------|----------|-----|
| Initial Hydrostatic Pressure | 1584 | PSI |
| Initial Flow | 11 to 17 | PSI |
| Initial Closed in Pressure | 682 | PSI |
| Final Flow Pressure | 17 to 23 | PSI |
| Final Closed in Pressure | 548 | PSI |
| Final Hydrostatic Pressure | 1585 | PSI |
| Temperature | 105 | °F |

Pressure Change Initial Close / Final Close

Recovery at a glance



GIP cubic foot volume: 0

**Company: RJM Oil Company, Inc**
Lease: Hull #3SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL

Operation:
Uploading recovery & pressures

Lease: Hull #3

Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

DATE
August
07
2022

DST #3 Formation: Arbuckle Test Interval: 3356 - 3395' Total Depth: 3395'
Time On: 20:36 08/07 Time Off: 04:18 08/08
Time On Bottom: 22:21 08/07 Time Off Bottom: 02:21 08/08

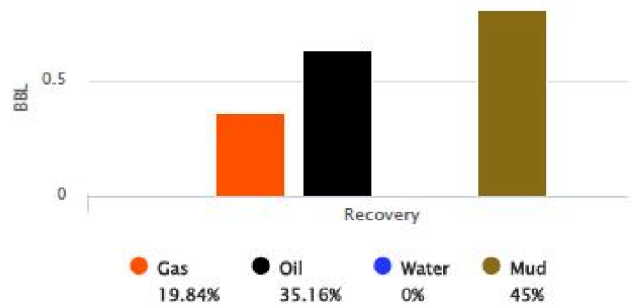
| Recovered | | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|-----------|---------|----------------------|-------|-------|---------|-------|
| Foot | BBLs | | | | | |
| 25 | 0.35575 | G | 100 | 0 | 0 | 0 |
| 38 | 0.54074 | O | 0 | 100 | 0 | 0 |
| 63 | 0.89649 | SLOCM | 0 | 10 | 0 | 90 |

Total Recovered: 126 ft
Total Barrels Recovered: 1.79298

Reversed Out
NO

| | | |
|---|----------|-----|
| Initial Hydrostatic Pressure | 1629 | PSI |
| Initial Flow | 10 to 32 | PSI |
| Initial Closed in Pressure | 958 | PSI |
| Final Flow Pressure | 36 to 53 | PSI |
| Final Closed in Pressure | 855 | PSI |
| Final Hydrostatic Pressure | 1630 | PSI |
| Temperature | 107 | °F |
| Pressure Change Initial Close / Final Close | 10.8 | % |

Recovery at a glance



GIP cubic foot volume: 1.99735



Company: RJM Oil Company, Inc
Lease: Hull #3

SEC: 20 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 1896 GL
Field Name: Hoisington SW
Pool: Infield
Job Number: 595
API #: 15-009-26366

Operation:
Uploading recovery & pressures

DATE
August
08
2022

DST #4 Formation: Arbuckle Test Interval: 3388 - 3403' Total Depth: 3403'
Time On: 10:51 08/08 Time Off: 17:16 08/08
Time On Bottom: 12:23 08/08 Time Off Bottom: 15:53 08/08

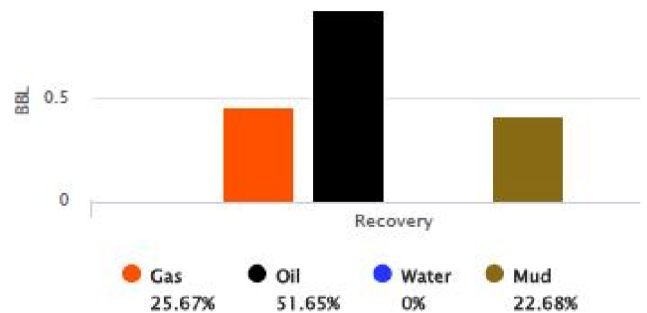
| Recovered | | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|-----------|---------|----------------------|-------|-------|---------|-------|
| Foot | BBLs | | | | | |
| 31 | 0.44113 | G | 100 | 0 | 0 | 0 |
| 64 | 0.91072 | O | 0 | 100 | 0 | 0 |
| 32 | 0.45536 | SLGCSLOCSLWCM | 5 | 5 | 0 | 90 |

Total Recovered: 127 ft
Total Barrels Recovered: 1.80721

Reversed Out
NO

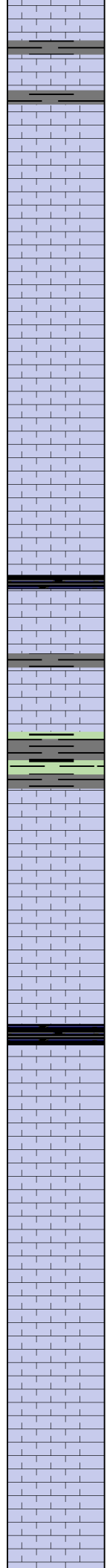
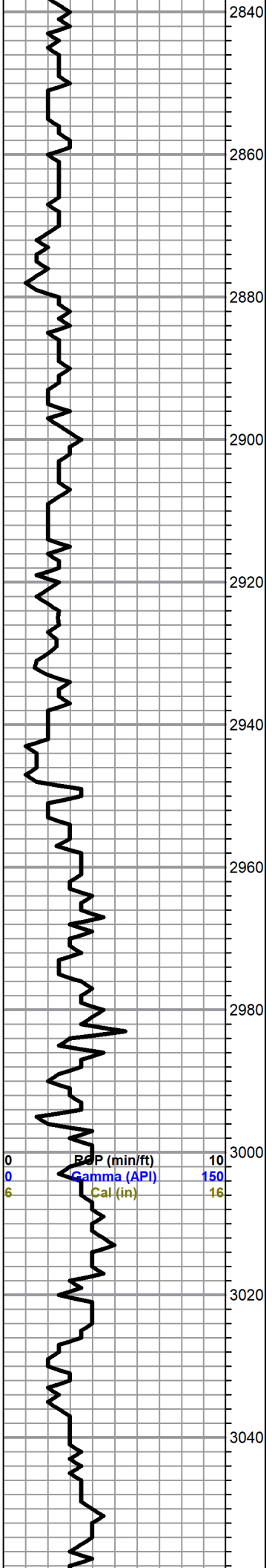
| | | |
|---|----------|-----|
| Initial Hydrostatic Pressure | 1656 | PSI |
| Initial Flow | 10 to 26 | PSI |
| Initial Closed in Pressure | 969 | PSI |
| Final Flow Pressure | 26 to 42 | PSI |
| Final Closed in Pressure | 904 | PSI |
| Final Hydrostatic Pressure | 1657 | PSI |
| Temperature | 105 | °F |
| Pressure Change Initial Close / Final Close | 6.7 | % |

Recovery at a glance



GIP cubic foot volume: 2.60456

ROCK TYPES



as above with minor white boney,chert

Limestone,white,gray,chalky,foss. in part

ditto

Shale,black carbonaceous

Shale,gray ,grayish green,soft

Limestone,white,gray,fxln,granular,chalky with gray chert

ditto as above

Shale,black carbonaceous

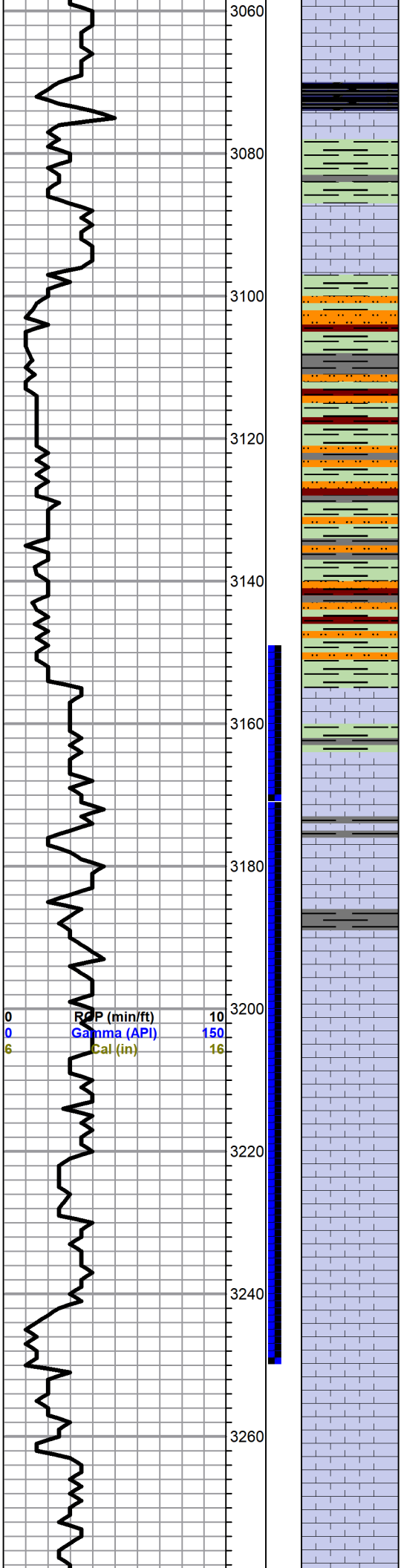
Limestone,tan,highly oolitic,cherty,dense

Limestone,gray,tan,foss.,cherty,dense

Limestone,as above trace gray chert

Limestone,tan,brown,fxln, slightly cherty,dense

| | | |
|---|-------------------|-----|
| 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 |



HEEBNER 3070(-1163)

Shale,black carbonaceous

Limestone,tan,dense

Shale,gray,grayish green,soft

TORONTO 3087(-1180)

Limestone,tan,gray,fxln,chalky,scattered pinpoint type porosity,brown edge staining, no free oil and no odor

DOUGLAS 3097(-1190)

Shale,gray,rusty brown,green,silty,slightly micaeous,soft

as above

BROWN LIME 3154(-1247)

Limestone,tan,cherty,dense

LANSING 3164(-1257)

Limestone,tan,fxln,chalky,scattered pinpoint porosity,brown stain,no free oil and no odor

Limestone, as above. no shows

Limestone,tan,sub oomoldic,oolitic in part,chalky,scattered porosity,light brown stain,show of free oil and no odor in fresh samples

Limestone,tan,fxln,chalky,few cherty,trace poor light brown stain,no free oil and no odor

Limestone,tan, oolitic/fossiliferous(bioclastic),slightly cherty,poor pinpoint type porosity,brown and gray spotted stain,trace of free oil and faint odor

Limestone,tan,oolitic,fossiliferous,fine and medium crystalline,poor vuggy type porosity,brown and golden brown stain,show of free oil and faint odor

Limestone,white,oolitic,oomoldic,trace brown stain,trace of free oil and no odor

Limestone as above,oomodic,fair oomodic porosity,barren

Limestone,gray,white,chalky

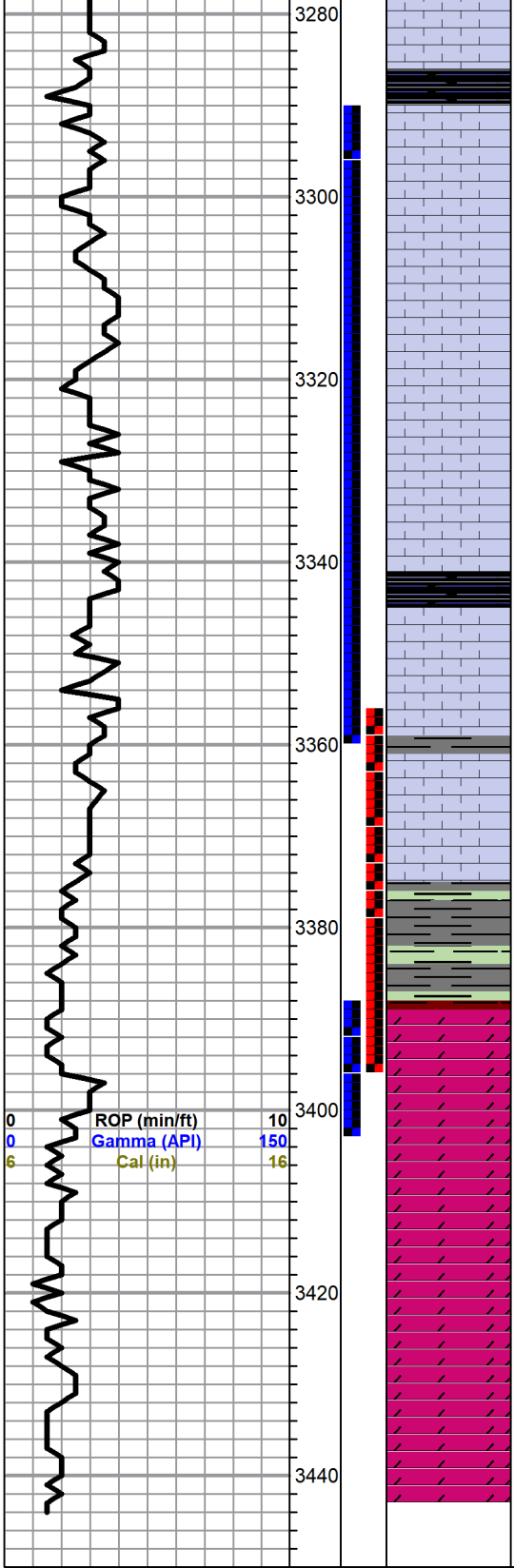
DST#1 3157-3250,45-45-60..Rec, 5'gas in pipe,63'socm(1% oil,99% mud),126'mud..BHP 325-308psi,FP 14-64,69-98 psi, HSH 1511-1518psi

| | | |
|---|-------------------|-----|
| 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 |

Geological supervision from 2700'to 3250 by Jim Musgrove

Geological supervision from 3250' to RTD(3445) by Steve Murphy

DST#2 3290-3360;



Shale, black carbonaceous

Limestone, white, tan, fxl, oolitic, poor to fair porosity, no shows

Limestone, white, tan, gray, fxl, chalky, no show

as above

Shale, black carbonaceous

Limestone, white, tan, vfxln, chalky, no shows, slight odor

Limestone, white, tan, oolitic,

Limestone, white, tan, vflxn, dense

BASE KANSAS CITY 3374

Shale, gray, green, red

ARBUCKLE 3389(-1482)

Dolomite, white, tan, fine and medium crystalline, sucrosic, black stain, show of free oil and strong odor in fresh sample

Dolomite, white, tan, medium crystalline, good porosity, dark brown and black stain, fair show of free oil and strong odor

Dolomite, white, tan, medium and coarse crystalline, dark stain, good show of free oil and strong odor

Dolomite as above, tite, slight show, faint odor

Dolomite, white, tan, medium and coarse crystalline, good intercrystalline porosity, spotted brown stain, slight show of free oil and fair odor

ROTARY TOTAL DEPTH 3445(-1538)

20-20-15-15-
Blow, weak, Rec
15' Mud.. BHP 682-
548psi, FP 11-17, 17-
23 psi, HSH 1584-
1585 psi

DST#3 3356-
3395, 60-60-60-
60. Blow, fair
(6.3 inches), 2nd
open, fair (5.3 inches)
Rec, 25' gas in
pipe, 38' clean
oil, 63' socm (10%
oil, 90% mud) BHP
958-855psi, FP 10-
32, 36-53 psi, HSH
1629-1630 psi

DST#4 3388-
3403, 45-45-60-
60, Blow fair (6
inches) 2nd open fair
(7 inches) Rec 31' gas
in pipe, 64' clean
oil, 32' slightly oil and
gas cut mud (5%
gass, 5% oil, 90% mud)
BHP 969-904psi, FP
10-26, 26-42, HSH
1656-1657 psi

100
100
100
100
100

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. 2985

| | | | | | | | | | | | | | | | |
|--|--------------|------|------------|-------|-----------|-----------------------|---------------|--|-------------------------|-------|----|-------------|--|--------|---------|
| Date | 8-9-22 | Sec. | 20 | Twp. | 17 | Range | 13 | County | Barton | State | Ks | On Location | | Finish | 1/15/22 |
| Lease | Hull | | | | | | | Location | Hainington 20 to 130 ft | | | | | | |
| Well No. | 3 | | | | | | | Owner | Info | | | | | | |
| 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 | Long string | | | | | | | Charge To | RJM Company | | | | | | |
| Hole Size | 5 7/8" | | | | | | | T.D. | | | | | | | |
| Csg. | 5 1/2" | | 15.50 | | Depth | 3445.57' | | Street | | | | | | | |
| Tbg. Size | | | | | | | | Depth | | | | | | | |
| Tool | 65 | | | | | | | Depth | 65 | | | | | | |
| Cement Left in Csg. | 10.00 | | Shoe Joint | 10.00 | | Cement Amount Ordered | | 180 Com 10% Salt 5' | | | | | | | |
| Meas Line | Displace | | 81 3/4 BLS | | Gilsonite | | - 500 gal mud | | Clear | | | | | | |
| EQUIPMENT | | | | | | | | Common | | | | | | | |
| Pumptrk | 16 | No. | Cementer | | Helper | | David | | Poz. Mix | | | | | | |
| Bulktrk | 14 | No. | Driver | | Robert | | Robert | | Gel. | | | | | | |
| Bulktrk | pu | No. | Driver | | Rick | | Rick | | Calcium | | | | | | |
| JOB SERVICES & REMARKS | | | | | | | | Hulls | | | | | | | |
| Remarks: | | | | | | | | Salt | | | | | | | |
| Rat Hole 155x | | | | | | | | Flowseal | | | | | | | |
| Mouse Hole 305x | | | | | | | | Kol-Seal | | | | | | | |
| Centralizers 1-9 | | | | | | | | Mud CLR 48 | | | | | | | |
| Baskets 2 + 6 | | | | | | | | CFL-117 or CD110 CAF 38 | | | | | | | |
| DN or Port Collar pipe on bottom break | | | | | | | | Sand | | | | | | | |
| Circulation pump 500 gal mud | | | | | | | | Handling | | | | | | | |
| Clear plug Rat + mouse holes. | | | | | | | | Mileage | | | | | | | |
| Cement 5 1/2" casing w/ 1355x | | | | | | | | FLOAT EQUIPMENT | | | | | | | |
| Shut down wash pump + lines. | | | | | | | | Guide Shoe | | | | | | | |
| Displaced plug w/ 81 3/4 BLS of 1120 | | | | | | | | Centralizer 9 | | | | | | | |
| Released float held. | | | | | | | | Baskets 2 | | | | | | | |
| List pressure 700 # | | | | | | | | AFU Inserts | | | | | | | |
| Load plug to 1500 # | | | | | | | | Float Shoe 1 | | | | | | | |
| | | | | | | | | Latch Down 1 | | | | | | | |
| | | | | | | | | Rotating head | | | | | | | |
| | | | | | | | | Pumptrk Charge | | | | | | | |
| | | | | | | | | Mileage | | | | | | | |
| | | | | | | | | Tax | | | | | | | |
| | | | | | | | | Discount | | | | | | | |
| | | | | | | | | Total Charge | | | | | | | |
| Signature <i>[Signature]</i> | | | | | | | | | | | | | | | |

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. 2496

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|--------|------|------|-------|--------|--------|-------------|--------|
| 8/2/22 | 20 | 17 | 13 | Barton | Kansas | | 5:00am |

Location Hoisington 2 N to 130 Rd 1/4 W N into

| | | |
|-------------------------------|--|--|
| Lease Hull | Well No. 3 | Owner |
| Contractor Southwind Drilling | 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 | |
| Hole Size 12 1/4 | T.D. 482' | Street |
| Csg. 8 5/8 | Depth 481.27 | City |
| Tbg. Size | Depth | 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 225 6/40 3/6 cc 2/6 gel |
| Meas Line | Displace 29.3 | |

EQUIPMENT

| | | |
|------------------|------------------------|-------------|
| Pumptrk 18 No. | Cementer Helper Jordan | Common 135 |
| Bulktrk 15 No. | Driver Ross | Poz. Mix 90 |
| Bulktrk P.U. No. | Driver David | Gel. 4 |
| | | Calcium 10 |

JOB SERVICES & REMARKS

| | |
|------------------------------------|-------------------------|
| Remarks: | Hulls |
| Rat Hole | Salt |
| Mouse Hole | Flowseal |
| Centralizers | Kol-Seal |
| Baskets | Mud CLR 48 |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |
| Ran 8 5/8 csg and est. circulation | Sand |
| Cemented 8 5/8 with 225 SKs | Handling 139 |
| | Mileage |

FLOAT EQUIPMENT

| | |
|----------------------|------------------------|
| Cement did circulate | Guide Shoe |
| | Centralizer |
| | Baskets |
| | AFU Inserts |
| | Float Shoe |
| | Latch Down |
| | Pumptrk Charge Surface |
| | Mileage 15 |

Signature *Frank J. Rouns*

Thanks

| |
|--------------|
| 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 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.