

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1268292
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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 <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| 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: | | | | |

| 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 | | | | |

- Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)</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 | Mikol Oil LLC |
| Well Name | Townley 1-17 |
| Doc ID | 1268292 |

All Electric Logs Run

| |
|-----------------------------|
| |
| Dual Induction |
| Compensated Density Neutron |
| Micro Resistivity |
| Borehole Compensated Sonic |
| Cement Bond |

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Mikol Oil LLC |
| Well Name | Townley 1-17 |
| Doc ID | 1268292 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Top Anhydrite | 1230 | +702 |
| Base Anhydrite | 1263 | +669 |
| Topeka | 2812 | -880 |
| Heebner | 3029 | -1097 |
| Toronto | 3050 | -1118 |
| LKC | 3071 | -1139 |
| BKC | 3324 | -1392 |
| Arbuckle | 3434 | -1502 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikoil Oil LLC
1407 Washington Cir.
Hays, KS 67601
ATTN: Marc Downing

17-8S-16W Rooks, KS
Townley #1-17
Job Ticket: 34533 **DST#: 1**
Test Start: 2015.08.01 @ 11:28:23

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 8.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 52.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.20 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2500.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | M | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

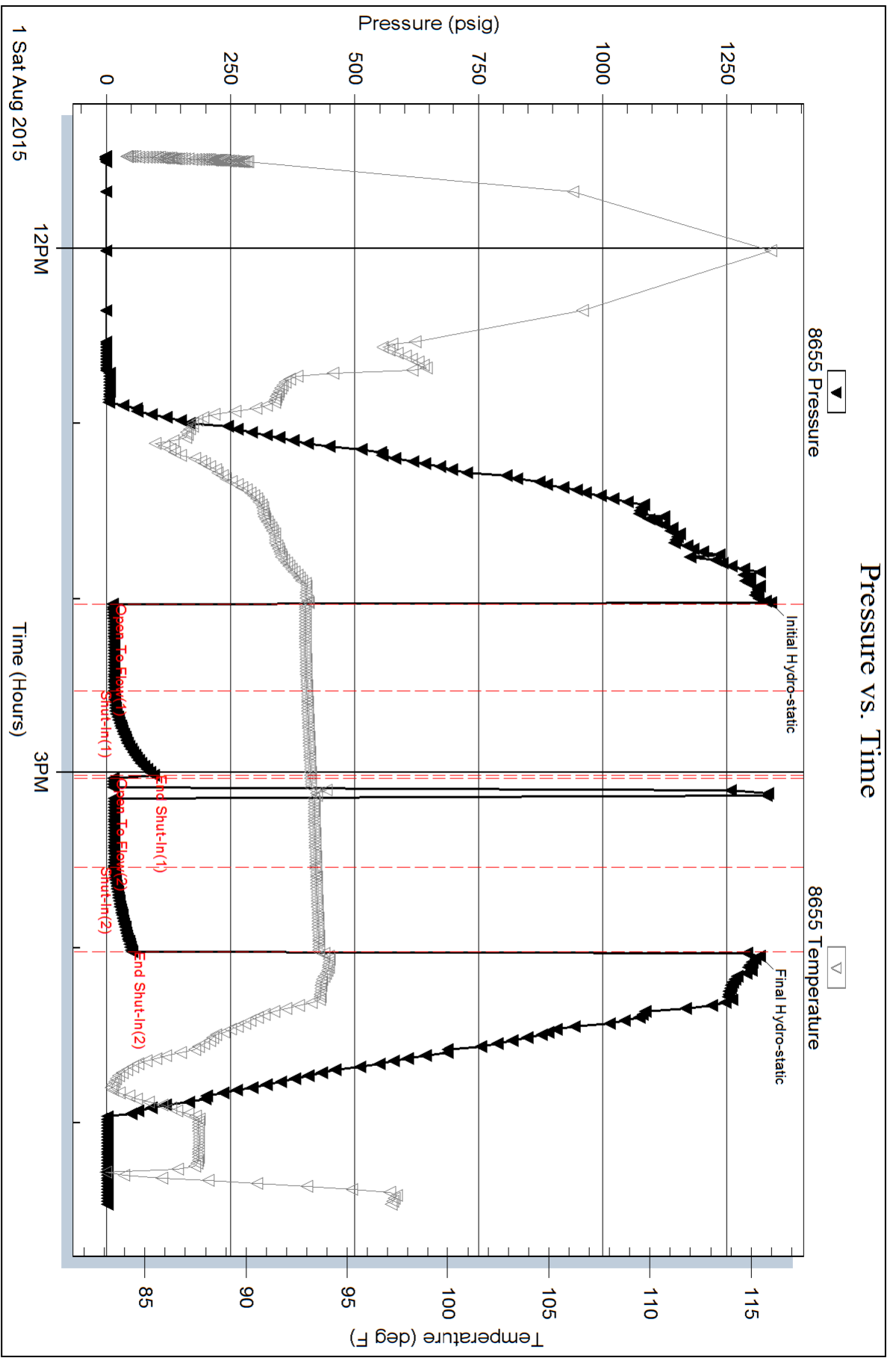
Recovery Comments:

Serial #: 8655

Outside Mikol Oil LLC

Tow rley #1-17

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mikol Oil LLC
1407 Washington Cir.
Hays, KS 67601
ATTN: Marc Downing

17-8S-16W Rooks, KS
Townley #1-17
Job Ticket: 34534 **DST#: 2**
Test Start: 2015.08.02 @ 12:46:11

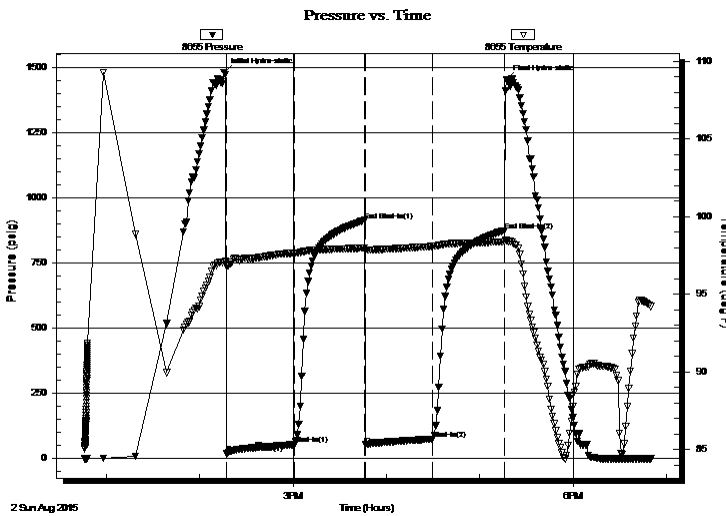
GENERAL INFORMATION:

Formation: **LKC "A-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:17:11
Time Test Ended: 18:49:41
Interval: 3059.00 ft (KB) To 3144.00 ft (KB) (TVD)
Total Depth: 3144.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 62
Reference Elevations: 1932.00 ft (KB)
1924.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8655 Outside
Press @ Run Depth: 75.47 psig @ 3078.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.08.02 End Date: 2015.08.02 Last Calib.: 2015.08.02
Start Time: 12:46:12 End Time: 18:49:41 Time On Btm: 2015.08.02 @ 14:15:41
Time Off Btm: 2015.08.02 @ 17:17:11

TEST COMMENT: 45- IF- Slow ly built to 7.5"
45- IS- No blow
45- FF- Slow ly built to 9.5"
45- FS- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1480.43 | 97.08 | Initial Hydro-static |
| 2 | 18.43 | 96.80 | Open To Flow (1) |
| 45 | 53.50 | 97.65 | Shut-In(1) |
| 90 | 913.36 | 97.97 | End Shut-In(1) |
| 91 | 52.58 | 97.81 | Open To Flow (2) |
| 134 | 75.47 | 98.09 | Shut-In(2) |
| 180 | 874.17 | 98.38 | End Shut-In(2) |
| 182 | 1452.33 | 98.48 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 140.00 | GSWOCM, 10%G 10%W 25%O 55%M | 1.69 |
| 0.00 | 110' GIP | 0.00 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikoil Oil LLC
1407 Washington Cir.
Hays, KS 67601
ATTN: Marc Downing

17-8S-16W Rooks, KS
Townley #1-17
Job Ticket: 34534 **DST#: 2**
Test Start: 2015.08.02 @ 12:46:11

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 47.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.79 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 3000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------|---------------|
| 140.00 | GSWOCM, 10%G 10%W 25%O 55%M | 1.688 |
| 0.00 | 110' GIP | 0.000 |

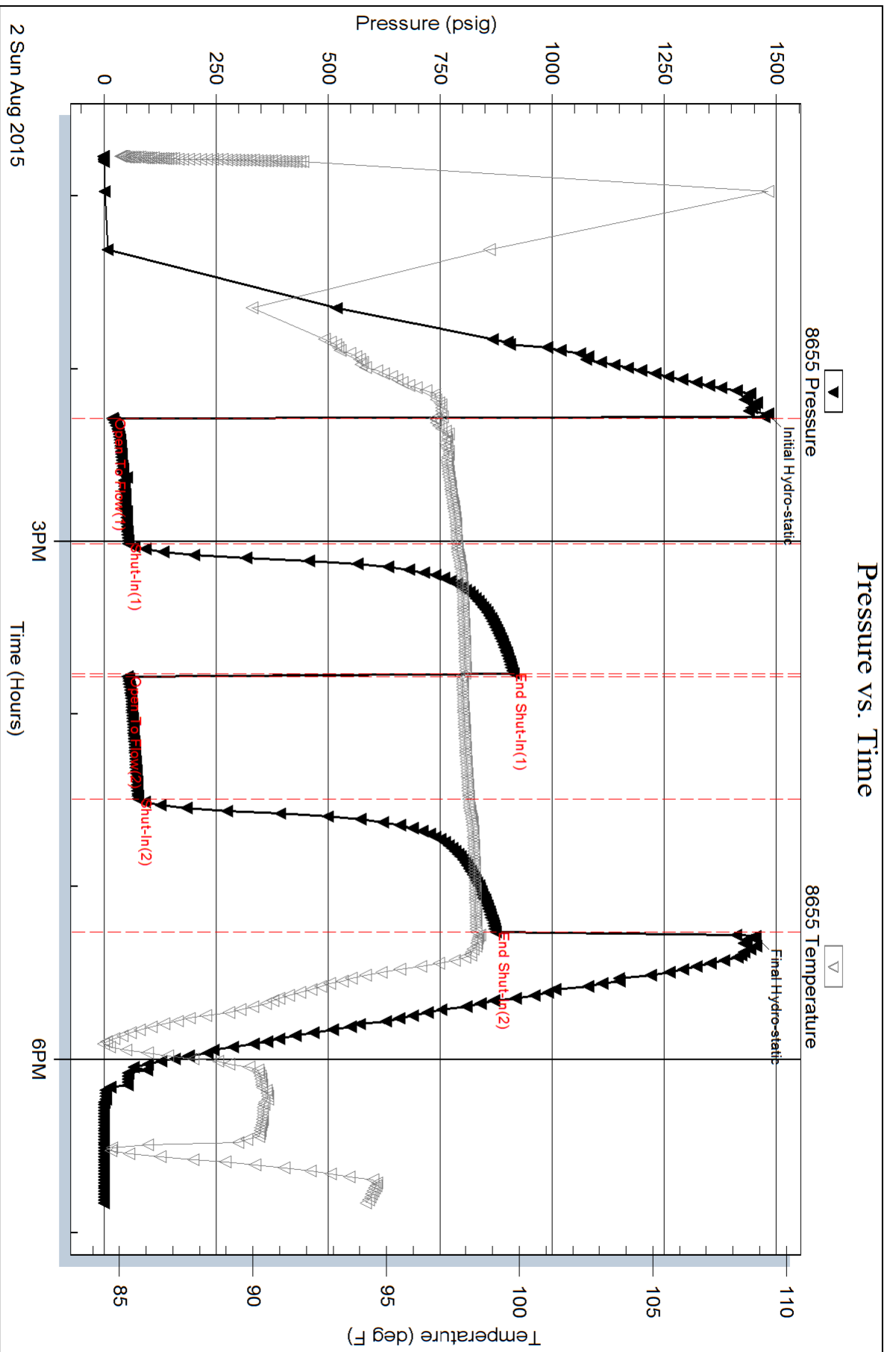
Total Length: 140.00 ft Total Volume: 1.688 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8655

Outside Mikol Oil LLC

Tow rley #1-17

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mikol Oil LLC
1407 Washington Cir.
Hays, KS 67601
ATTN: Marc Downing

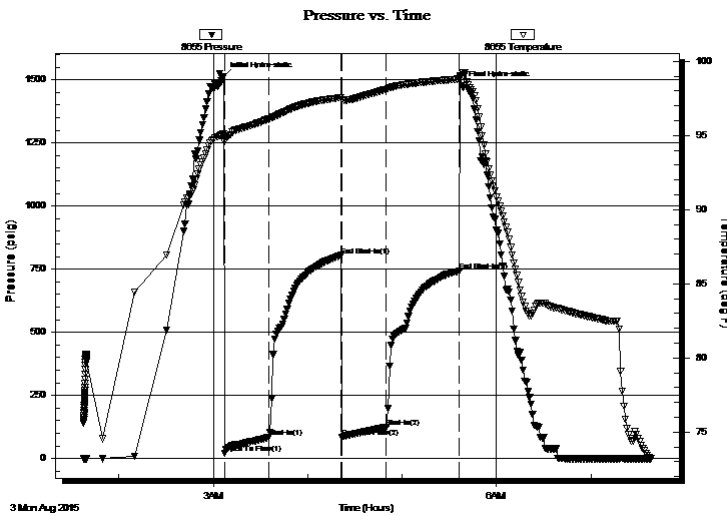
17-8S-16W Rooks, KS
Townley #1-17
Job Ticket: 34535 **DST#: 3**
Test Start: 2015.08.03 @ 01:37:33

GENERAL INFORMATION:

Formation: **LKC "E-G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:07:03
Time Test Ended: 07:38:33
Interval: **3142.00 ft (KB) To 3180.00 ft (KB) (TVD)**
Total Depth: 3180.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 62
Reference Elevations: 1932.00 ft (KB)
1924.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8655 Outside
Press@RunDepth: 125.12 psig @ 3146.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.08.03 End Date: 2015.08.03 Last Calib.: 2015.08.03
Start Time: 01:37:34 End Time: 07:38:33 Time On Btm: 2015.08.03 @ 03:06:33
Time Off Btm: 2015.08.03 @ 05:38:03

TEST COMMENT: 30- IF- BOB 12 mins
45- IS- Surface blow died in 6 mins
30- FF- BOB 13 mins
45- FS- Half inch blow throughout



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1511.72 | 95.12 | Initial Hydro-static |
| 1 | 21.11 | 94.56 | Open To Flow (1) |
| 29 | 83.43 | 96.11 | Shut-In(1) |
| 75 | 804.47 | 97.55 | End Shut-In(1) |
| 76 | 85.49 | 97.42 | Open To Flow (2) |
| 104 | 125.12 | 98.11 | Shut-In(2) |
| 150 | 744.17 | 98.81 | End Shut-In(2) |
| 152 | 1476.27 | 99.20 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------------|--------------|
| 280.00 | VGSWMCO, 25%G 45%O 10%W 20%M | 3.67 |
| 0.00 | 445' GIP | 0.00 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC
1407 Washington Cir.
Hays, KS 67601
ATTN: Marc Downing

17-8S-16W Rooks, KS
Townley #1-17
Job Ticket: 34535 **DST#: 3**
Test Start: 2015.08.03 @ 01:37:33

Mud and Cushion Information

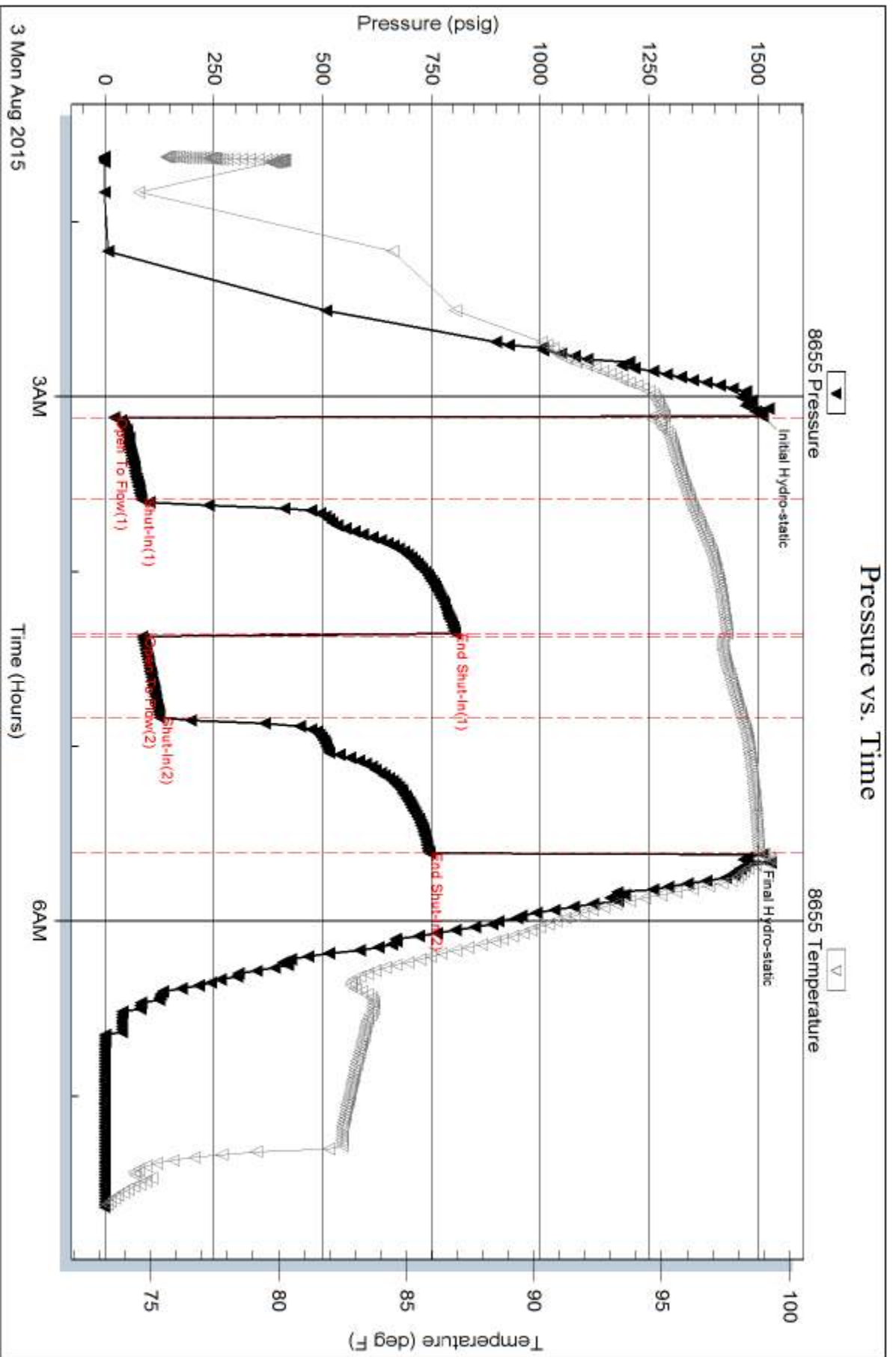
| | | |
|----------------------------------|----------------------------|---------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 34 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: ppm |
| Viscosity: 49.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 9.59 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 10000.00 ppm | | |
| Filter Cake: inches | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------------|---------------|
| 280.00 | VGSWMCO, 25%G 45%O 10%W 20%M | 3.673 |
| 0.00 | 445' GIP | 0.000 |

Total Length: 280.00 ft Total Volume: 3.673 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mikol Oil LLC
 1407 Washington Cir.
 Hays, KS 67601
 ATTN: Marc Downing

17-8S-16W Rooks, KS
Townley #1-17
 Job Ticket: 34536 **DST#: 4**
 Test Start: 2015.08.03 @ 19:11:36

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:50:36
 Time Test Ended: 00:09:36
 Interval: **3264.00 ft (KB) To 3303.00 ft (KB) (TVD)**
 Total Depth: 3303.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1932.00 ft (KB)
 1924.00 ft (CF)
 KB to GR/CF: 8.00 ft

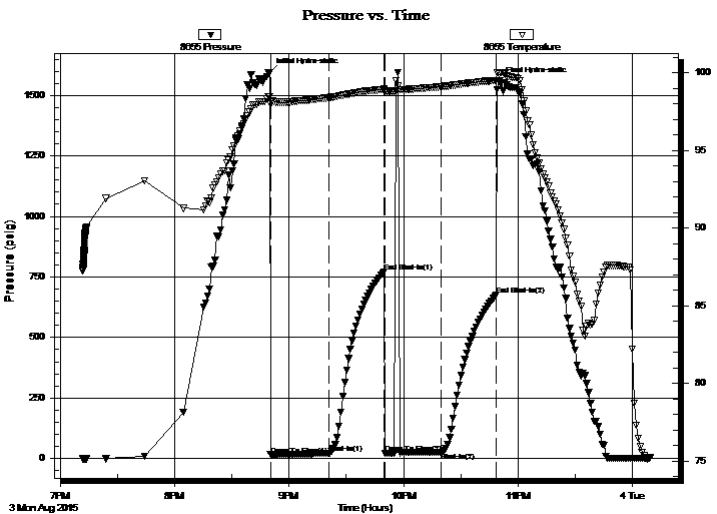
Serial #: 8655

Outside

Press@RunDepth: 27.00 psig @ 3268.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.03 End Date: 2015.08.04 Last Calib.: 2015.08.04
 Start Time: 19:11:37 End Time: 00:09:36 Time On Btm: 2015.08.03 @ 20:49:36
 Time Off Btm: 2015.08.03 @ 22:50:06

TEST COMMENT: 30- IF- Surface blow died in 5mins
 30- IS- No blow
 30- FF- No blow Flushed tool No blow
 30- FS- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1594.61 | 98.48 | Initial Hydro-static |
| 1 | 15.83 | 98.21 | Open To Flow (1) |
| 31 | 21.14 | 98.40 | Shut-In(1) |
| 60 | 771.56 | 98.95 | End Shut-In(1) |
| 61 | 22.33 | 98.78 | Open To Flow (2) |
| 90 | 27.00 | 99.11 | Shut-In(2) |
| 119 | 675.66 | 99.51 | End Shut-In(2) |
| 121 | 1558.55 | 99.91 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00 | M | 0.07 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC
1407 Washington Cir.
Hays, KS 67601
ATTN: Marc Downing

17-8S-16W Rooks, KS
Townley #1-17
Job Ticket: 34536 **DST#: 4**
Test Start: 2015.08.03 @ 19:11:36

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 51.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.99 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 5000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 15.00 | M | 0.074 |

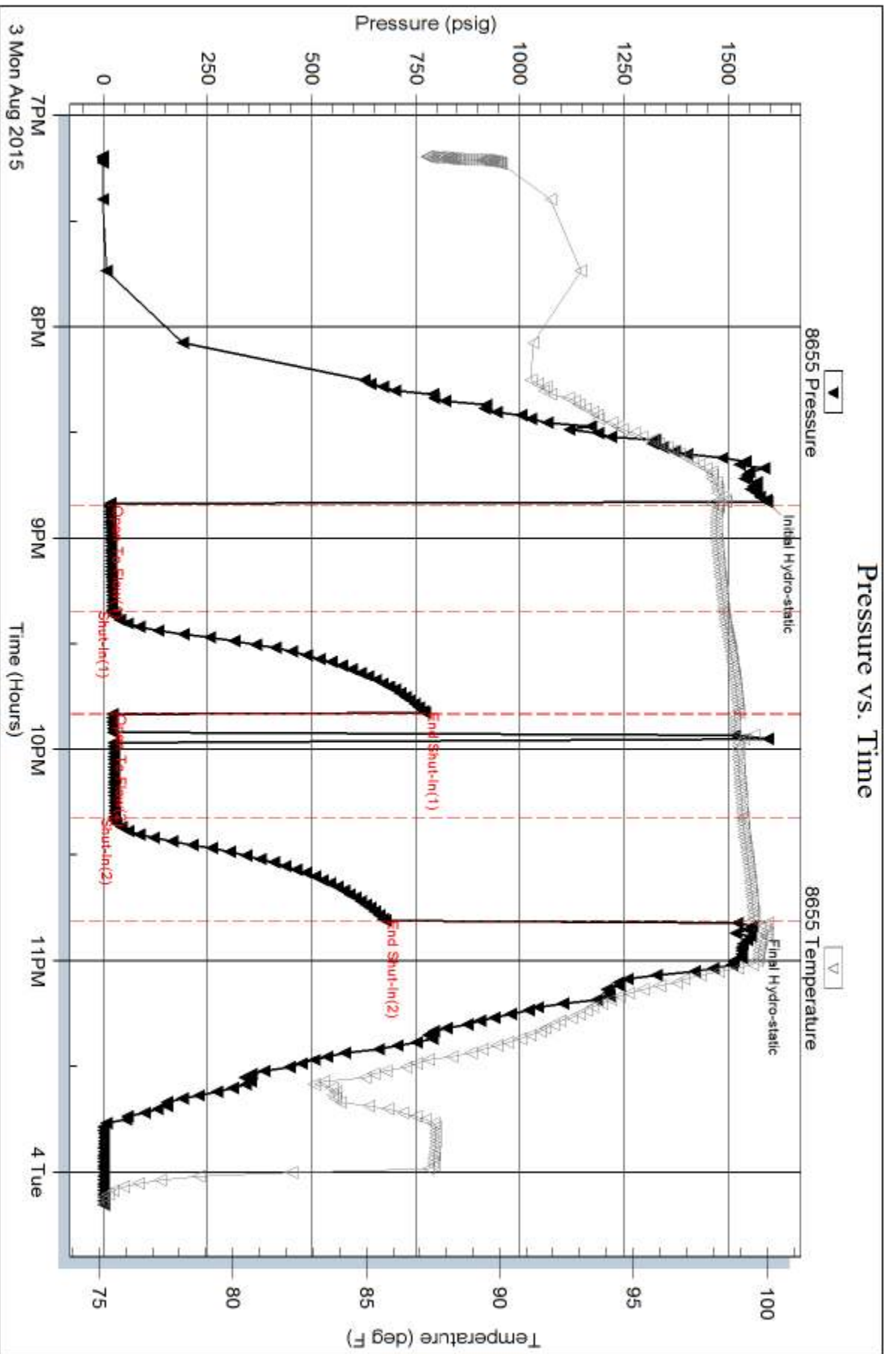
Total Length: 15.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8655

Outside Mkol Oil LLC

Tow nley #1-17

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 34536

Printed: 2015.08.04 @ 13:03:18

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 1173

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

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|---|-------|----|--------|-------|-------|----|-------------|--|--------|---------|
| Date | 8-12-15 | Sec. | 17 | Twp. | 8 | Range | 16 | County | Rooks | State | KS | On Location | | Finish | 1:00 Pm |
|------|---------|------|----|------|---|-------|----|--------|-------|-------|----|-------------|--|--------|---------|

Location Natoma w to 26 Rd N to PRD 1E N into

| | | | | | |
|-------|----------------|----------|-------------|-------|------------------------------------|
| Lease | <u>townley</u> | Well No. | <u>1-17</u> | Owner | To Quality Oilwell Cementing, Inc. |
|-------|----------------|----------|-------------|-------|------------------------------------|

| | | | | | |
|------------|-----------------|--|--|--|--|
| Contractor | <u>Maverick</u> | 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 | <u>Port collar</u> | Charge To | <u>Mikol oil</u> |
|----------|--------------------|-----------|------------------|

| | | | | | |
|-----------|--|------|--|--------|--|
| Hole Size | | T.D. | | Street | |
|-----------|--|------|--|--------|--|

| | | | | | |
|------|--------------|-------|--|------|-------|
| Csg. | <u>6 1/2</u> | Depth | | City | State |
|------|--------------|-------|--|------|-------|

| | | | | | |
|-----------|----------|-------|-------------|--|--|
| Tbg. Size | <u>2</u> | Depth | <u>1218</u> | The above was done to satisfaction and supervision of owner agent or contractor. | |
|-----------|----------|-------|-------------|--|--|

| | | | | | |
|------|--------------------|-------|-------------|-----------------------|---------------------------------|
| Tool | <u>Port collar</u> | Depth | <u>1218</u> | Cement Amount Ordered | <u>250 80/22 Qm De 1/4" Flw</u> |
|------|--------------------|-------|-------------|-----------------------|---------------------------------|

| | | | | | |
|---------------------|--|------------|--|--|--|
| Cement Left in Csg. | | Shoe Joint | | | |
|---------------------|--|------------|--|--|--|

| | | | | | |
|-----------|--|----------|--------------|-----------------|--|
| Meas Line | | Displace | <u>3 1/4</u> | <u>used 230</u> | |
|-----------|--|----------|--------------|-----------------|--|

| | | | |
|-----------|--|--|--------|
| EQUIPMENT | | | Common |
|-----------|--|--|--------|

| | | | | | | |
|---------|----------|-----|--|----------|--------------|----------|
| Pumptrk | <u>5</u> | No. | | Cementer | <u>Craig</u> | Poz. Mix |
|---------|----------|-----|--|----------|--------------|----------|

| | | | | | | |
|---------|----------|-----|--|--------|-------------|------|
| Bulktrk | <u>9</u> | No. | | Driver | <u>Rich</u> | Gel. |
|---------|----------|-----|--|--------|-------------|------|

| | | | | | | |
|---------|-----------|-----|--|--------|--------------|---------|
| Bulktrk | <u>Pu</u> | No. | | Driver | <u>Billy</u> | Calcium |
|---------|-----------|-----|--|--------|--------------|---------|

| | | | |
|------------------------|--|--|-------|
| JOB SERVICES & REMARKS | | | Hulls |
|------------------------|--|--|-------|

| | | |
|----------|--|------|
| Remarks: | | Salt |
|----------|--|------|

| | | | |
|----------|--|----------|------------|
| Rat Hole | | Flowseal | <u>62#</u> |
|----------|--|----------|------------|

| | | | |
|------------|--|----------|--|
| Mouse Hole | | Kol-Seal | |
|------------|--|----------|--|

| | | | |
|--------------|--|------------|--|
| Centralizers | | Mud CLR 48 | |
|--------------|--|------------|--|

| | | | |
|---------|--|-------------------------|--|
| Baskets | | CFL-117 or CD110 CAF 38 | |
|---------|--|-------------------------|--|

| | | | |
|--------------------|--|------|--|
| D/V or Port Collar | | Sand | |
|--------------------|--|------|--|

| | | | |
|------------------------------------|--|----------|------------|
| Pressure tool to stops. open tool. | | Handling | <u>250</u> |
|------------------------------------|--|----------|------------|

| | | | |
|---|--|---------|--|
| Pump 230 s/s and Displace w 3 1/2 bbls water, cement did circulate. | | Mileage | |
|---|--|---------|--|

| | | | |
|------------------------------|--|-----------------|--|
| Close tool pressure to stops | | FLOAT EQUIPMENT | |
|------------------------------|--|-----------------|--|

| | | | |
|---------------------------|--|------------|--|
| Ran 5 joints washed clean | | Guide Shoe | |
|---------------------------|--|------------|--|

| | | | |
|--|--|-------------|--|
| | | Centralizer | |
|--|--|-------------|--|

| | | | |
|--|--|---------|--|
| | | Baskets | |
|--|--|---------|--|

| | | | |
|--|--|-------------|--|
| | | AFU Inserts | |
|--|--|-------------|--|

| | | | |
|--|--|------------|--|
| | | Float Shoe | |
|--|--|------------|--|

| | | | |
|--|--|------------|--|
| | | Latch Down | |
|--|--|------------|--|

| | | | |
|--|--|----------------|------------------------|
| | | Pumptrk Charge | <u>port collar 736</u> |
|--|--|----------------|------------------------|

| | | | |
|--|--|---------|-----------|
| | | Mileage | <u>42</u> |
|--|--|---------|-----------|

| | | | |
|--|--|-----|--|
| | | Tax | |
|--|--|-----|--|

| | | | |
|--|--|----------|--|
| | | Discount | |
|--|--|----------|--|

| | | | |
|--|--|--------------|--|
| | | Total Charge | |
|--|--|--------------|--|

X Signature Ann Wenzel

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1171

| | | | | | | | | | | | | | | | |
|----------|---------|------|----|------|---|-------|----|--------|-------|-------|----|-------------|------------------------------------|--------|---------|
| Date | 7-29-15 | Sec. | 17 | Twp. | 8 | Range | 14 | County | Rooks | State | KS | On Location | | Finish | 4:30 PM |
| Location | | | | | | | | | | | | | Nutmaw w to R26 N to PRD 1E N into | | |

| | | | | | | | | | | | | | | | |
|---------------------|-----------|--|------------|----------|--|--|--|--|--|--|--|--|--|--|--|
| Lease | 40 W Nley | | Well No. | 1-17 | | Owner | 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. | | | | | | | | |
| Contractor | Discovery | | | 4 | | Charge To | Mikol oil | | | | | | | | |
| Type Job | Surface | | | | | Street | | | | | | | | | |
| Hole Size | 12 1/4 | | T.D. | 221 | | City | State | | | | | | | | |
| Csg. | 8 5/8 | | Depth | 270 | | The above was done to satisfaction and supervision of owner agent or contractor. | | | | | | | | | |
| Tbg. Size | | | Depth | | | Cement Amount Ordered 150 sks 8 5/8 20 3 1/2 2 1/2 gel | | | | | | | | | |
| Tool | | | Depth | | | | | | | | | | | | |
| Cement Left in Csg. | 15' | | Shoe Joint | 15' | | | | | | | | | | | |
| Meas Line | | | Displace | 13 bbls. | | | | | | | | | | | |

| EQUIPMENT | | | | Common | |
|-----------|----|-----|----------|--------|-----|
| Pumptrk | 17 | No. | Cementer | Rick | 120 |
| | | | Helper | | |
| Bulktrk | 3 | No. | Driver | Nick | 30 |
| | | | Driver | | |
| Bulktrk | PH | No. | Driver | Billy | 3 |
| | | | Driver | | |
| | | | | | 6 |

| JOB SERVICES & REMARKS | | Hulls | |
|------------------------|--|-------------------------|--|
| Remarks: | | Salt | |
| 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 158 159 | |

| Broke circulation. | | Mileage | |
|-----------------------|--|------------------------|--|
| mixed 150 sks | | | |
| Displaced 13 bbls | | FLOAT EQUIPMENT | |
| Cement did circulate. | | Guide Shoe | |
| | | Centralizer | |
| | | Baskets | |
| | | AFU Inserts | |
| | | Float Shoe | |
| | | Latch Down | |
| | | Pumptrk Charge Surface | |
| | | Mileage 42 | |

| | | | |
|---------------------------------|--|--------------|--|
| Signature <i>Mike [unclear]</i> | | Tax | |
| | | Discount | |
| | | Total Charge | |

JOB LOG

SWIFT Services, Inc.

DATE 9-5-15 PAGE NO.

CUSTOMER Mikol Oil WELL NO. #1-17 LEASE TOWNLEY JOB TYPE LONG STRING TICKET NO. 28721

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 1230 | | | | | | | ON LOCATION |
| | | | | | | | | 5 1/2 x 15.5 lbs |
| | | | | | | | | RTD - 3485 |
| | | | | | | | | LTD - 3482 |
| | | | | | | | | CENT - 1, 3, 5, 8, 11, 54 |
| | | | | | | | | BASKETS - 1, 55 |
| | | | | | | | | Port Collar - Top of 55 |
| | | | | | | | | SHOE - 43' @ 3442 |
| | 145 | | | | | | | START CSG / FLOAT EQUIP |
| | 315 | | | | | | | BREAK CIRC ON BOTTOM |
| | 345 | 2.5 | | | | | | PLUG RAT & MOUSE HOLE |
| | | | | | | | | RAT - 30 SKS MOUSE - 15 SKS |
| | 350 | 5 | 12 | | | | 300 | PUMP MUDFLUSH |
| | | 5 | 20 | | | | 300 | PUMP KEL WATER |
| | 355 | 5 | 0 | | | | 300 | START CMT |
| | 405 | 5 | 34 | | | | 0 | END CMT |
| | | | | | | | | WASH P&L |
| | 410 | 5.5 | 0 | | | | 0 | START DISP |
| | | 5.5 | 60 | | | | 300 | CATCH CMT |
| | 430 | 5.5 | 82 | | | | 600 | DISP LAND PLUG |
| | | | | | | | | LIFT PSI - 600 LAND PSI - 1400 |
| | | | | | | | | THANKS |
| | | | | | | | | DAVID, AUSTIN, & TYLER |