





|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | BEREXCO LLC            |
| Well Name | NOLLETTE UNIT 4-15     |
| Doc ID    | 1695433                |

#### All Electric Logs Run

|           |
|-----------|
|           |
| Microlog  |
| Porosity  |
| Induction |
| Sonic     |

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | BEREXCO LLC            |
| Well Name | NOLLETTE UNIT 4-15     |
| Doc ID    | 1695433                |

#### Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement                  | Number of Sacks Used | Type and Percent Additives                                         |
|-------------------|-------------------|-----------------|--------|---------------|---------------------------------|----------------------|--------------------------------------------------------------------|
| Surface           | 12.25             | 8.625           | 23     | 390           | Common                          | 300                  | 2% gel, 3% CC                                                      |
| Production        | 7.825             | 5.5             | 15.5   | 4773          | 60/40 poz (Lead), Common (Tail) | 350                  | 8% gel, 1/4# floseal (Lead), 2% gel, 10% salt, 5# gilsonite (Tail) |
| Production        | 7.825             | 5.5             | 15.5   | 2644          | 60/40 poz                       | 500                  | 8% gel, 1/4# floseal                                               |
|                   |                   |                 |        |               |                                 |                      |                                                                    |





(C) BM

# FRANKS Oilfield Service

♦ 815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269

♦ Office Phone (785) 639-3949

♦ Email: franksoilfield@yahoo.com

KET NUMBER

0781

LOCATION Hoxie

FOREMAN Ton Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

| DATE     | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|----------|------------|--------------------|---------|----------|-------|--------|
| 11-08-22 | 34818      | Nallette Unit 4-15 | 15      | 10       | 33 W  | Thomas |

CUSTOMER Borexco LLC

MAILING ADDRESS

2020 N Bramblewood

CITY Wichita STATE KS ZIP CODE 67206

| TRUCK # | DRIVER | TRUCK # | DRIVER |
|---------|--------|---------|--------|
| 102     |        |         |        |
| 41301   |        |         |        |
| 201     |        |         |        |

JOB TYPE DV Tool HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 5 1/2"  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting & set up on Duke #2 Rm float equipment. Hooked up head & manifold. Circulate 2 hrs till visc. was at 36. Mix 125gx lite followed by 225 aw. Wash up & displace plug. Drop dart, wait 15 min & pump dart aprn DV Tool. Circulate 1 hr & 48 min. Mix 550gx lite 30 ex Rlt 20gx Mlt. 500 down hole. Wash up & displace plug

plug down

CEMENT did circulate

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE           | TOTAL                  |
|--------------|-------------------|------------------------------------|----------------------|------------------------|
| PL004        | 1                 | PUMP CHARGE <u>DV Tool</u>         | \$2500 <sup>00</sup> | \$2500 <sup>00</sup>   |
| MO01         | 45 miles          | MILEAGE                            | \$6 <sup>50</sup>    | \$292 <sup>50</sup>    |
| MA02         | 37.9 tons         | Ton Mileage Delivery               | \$2558 <sup>25</sup> | \$2558 <sup>25</sup>   |
| CB031        | 225gx             | Class A 10M sale 810 Kalsol        | \$26 <sup>00</sup>   | \$5850 <sup>00</sup>   |
| CB021        | 550 gx            | 60/40 810 gal 1/4" Flaseal         | \$17 <sup>35</sup>   | \$9542 <sup>50</sup>   |
| FE023        | 1                 | 5 1/2" AFM Guide shoe              | \$100 <sup>00</sup>  | \$100 <sup>00</sup>    |
| FE021        | 1                 | 5 1/2" latch down plug Assy.       | \$695 <sup>00</sup>  | \$695 <sup>00</sup>    |
| FE022        | 2                 | 5 1/2" basket                      | \$385 <sup>00</sup>  | \$770 <sup>00</sup>    |
| FE022        | 2                 | 5 1/2" step plug                   | —                    | —                      |
| FE014        | 17                | 5 1/2" torcholizer                 | \$108 <sup>00</sup>  | \$1836 <sup>00</sup>   |
| FE029        | 1                 | 5 1/2" DV Tool                     | \$4200 <sup>00</sup> | \$4200 <sup>00</sup>   |
| CE003        | 1                 | 5 1/2" head & manifold             | \$200 <sup>00</sup>  | \$200 <sup>00</sup>    |
|              |                   |                                    |                      |                        |
|              |                   |                                    | sub total            | \$29,044 <sup>25</sup> |
|              |                   |                                    | less 5% disc.        | \$1,452 <sup>21</sup>  |
|              |                   |                                    | sub total            | \$27,592 <sup>04</sup> |
|              |                   |                                    |                      |                        |
|              |                   |                                    | SALES TAX            | 1856.98                |
|              |                   |                                    | ESTIMATED TOTAL      | 29,449.02              |

AUTHORIZATION [Signature]

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblewood  
Wichita, Ks 67206

ATTN: Marc SummerVill

**15-10-33 Thomas, Ks**

**Nollette Unit 4-15**

Job Ticket: 69238

**DST#: 1**

Test Start: 2022.11.04 @ 02:42:45

### GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:45

Time Test Ended: 10:47:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 4018.00 ft (KB) To 4114.00 ft (KB) (TVD)**

Total Depth: 4114.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3174.00 ft (KB)

3167.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8674 Outside**

Press@RunDepth: 418.26 psig @ 4019.00 ft (KB)

Start Date: 2022.11.04

End Date:

2022.11.04

Start Time: 02:42:50

End Time:

10:47:14

Capacity: 8000.00 psig

Last Calib.: 2022.11.04

Time On Btm: 2022.11.04 @ 05:18:45

Time Off Btm: 2022.11.04 @ 08:09:45

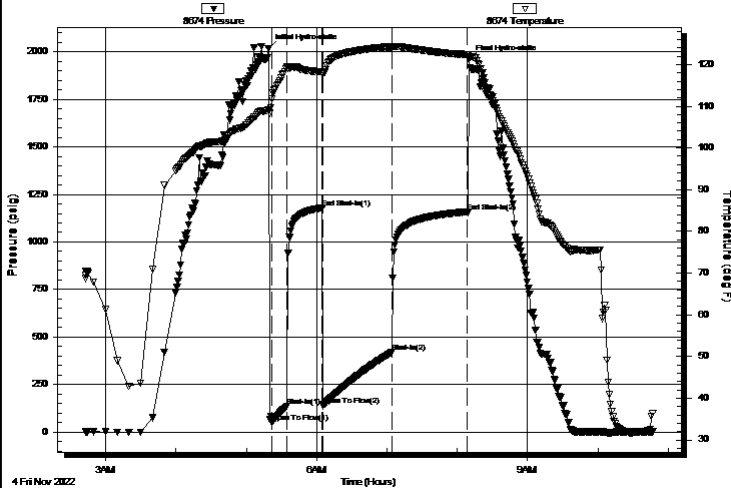
**TEST COMMENT:** IF: 1/2 blow BOB in 7 mins. 22"

IS: No return.

FF: BOB in 8 mins. 63"

FS: No return. 15-30-60-60

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2017.00         | 109.00       | Initial Hydro-static |
| 3           | 51.63           | 111.71       | Open To Flow (1)     |
| 16          | 136.09          | 119.51       | Shut-In(1)           |
| 46          | 1179.41         | 118.21       | End Shut-In(1)       |
| 47          | 137.90          | 117.77       | Open To Flow (2)     |
| 106         | 418.26          | 124.13       | Shut-In(2)           |
| 170         | 1158.73         | 122.38       | End Shut-In(2)       |
| 171         | 1961.57         | 122.42       | Final Hydro-static   |

Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 315.00      | mcw 90%w 10%m  | 4.42         |
| 252.00      | mcw 80%w 20%m  | 3.53         |
| 292.00      | w cm 40%w 60%m | 4.10         |
|             |                |              |
|             |                |              |
|             |                |              |

Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas, Ks**

2020 N Bramblewood  
Wichita, Ks 67206

**Nollette Unit 4-15**

Job Ticket: 69238

**DST#: 1**

ATTN: Marc SummerVill

Test Start: 2022.11.04 @ 02:42:45

### GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:45

Time Test Ended: 10:47:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 4018.00 ft (KB) To 4114.00 ft (KB) (TVD)**

Total Depth: 4114.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3174.00 ft (KB)

3167.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8790 Inside**

Press@RunDepth: psig @ 4019.00 ft (KB)

Start Date: 2022.11.04

End Date:

2022.11.04

Start Time: 02:42:46

End Time:

10:47:10

Capacity: 8000.00 psig

Last Calib.: 2022.11.04

Time On Btm:

Time Off Btm:

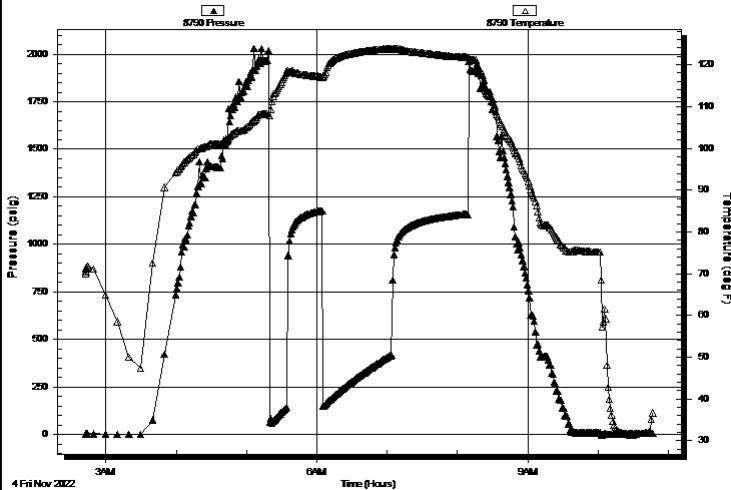
TEST COMMENT: IF: 1/2 blow BOB in 7 mins. 22"

IS: No return.

FF: BOB in 8 mins. 63"

FS: No return. 15-30-60-60

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 315.00      | mcw 90%w 10%m  | 4.42         |
| 252.00      | mcw 80%w 20%m  | 3.53         |
| 292.00      | w cm 40%w 60%m | 4.10         |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

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





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Berexco LLC

**15-10-33 Thomas, Ks**

2020 N Bramblewood  
Wichita, Ks 67206

**Nollette Unit 4-15**

Job Ticket: 69238

**DST#: 1**

ATTN: Marc SummerVill

Test Start: 2022.11.04 @ 02:42:45

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

51000 ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 315.00       | mcw 90%w 10%m  | 4.419         |
| 252.00       | mcw 80%w 20%m  | 3.535         |
| 292.00       | w cm 40%w 60%m | 4.096         |

Total Length: 859.00 ft

Total Volume: 12.050 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .37@28=51000

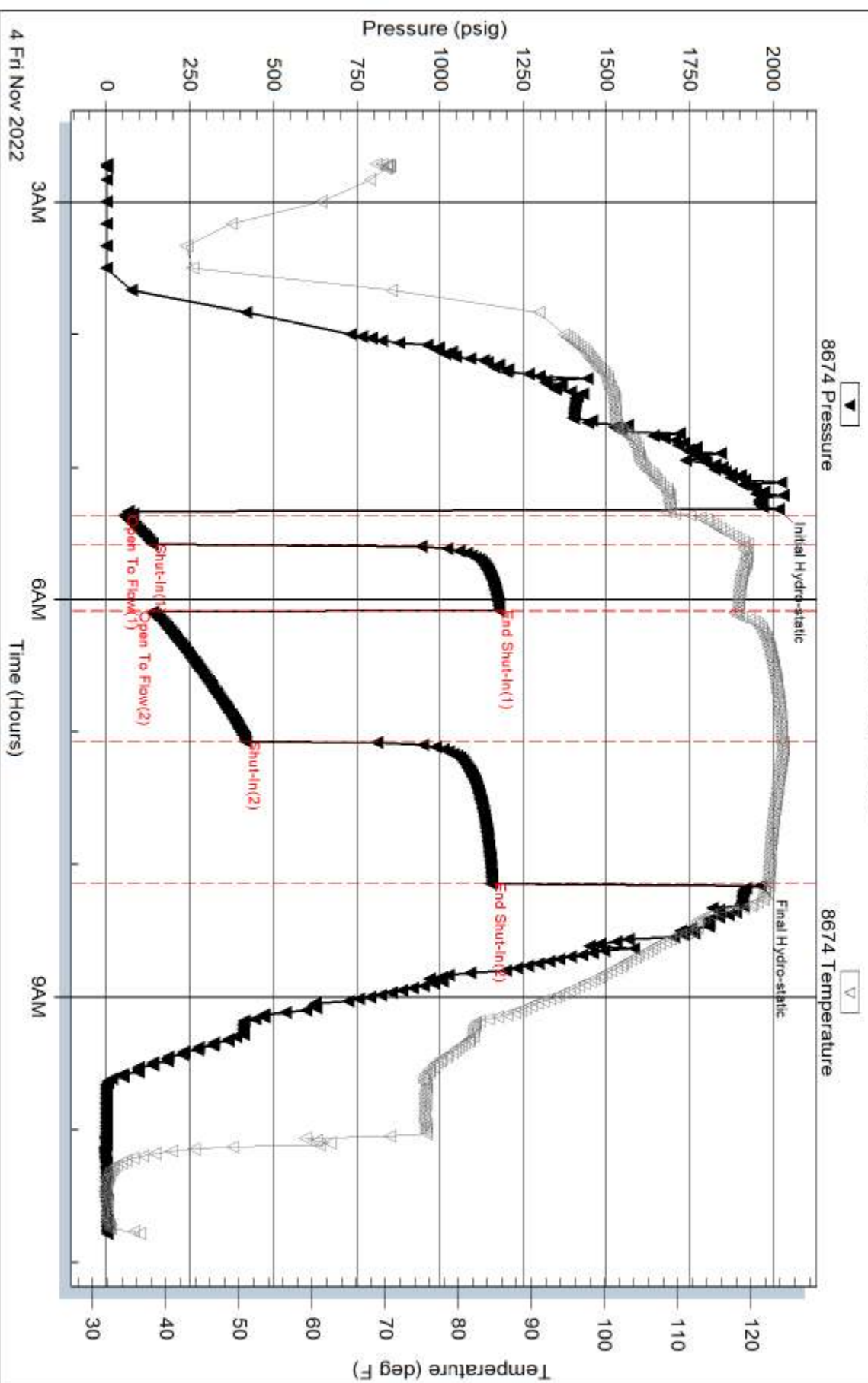
Serial #: 8674

Outside Berexco LLC

Nollette Unit 4-15

DST Test Number: 1

# Pressure vs. Time



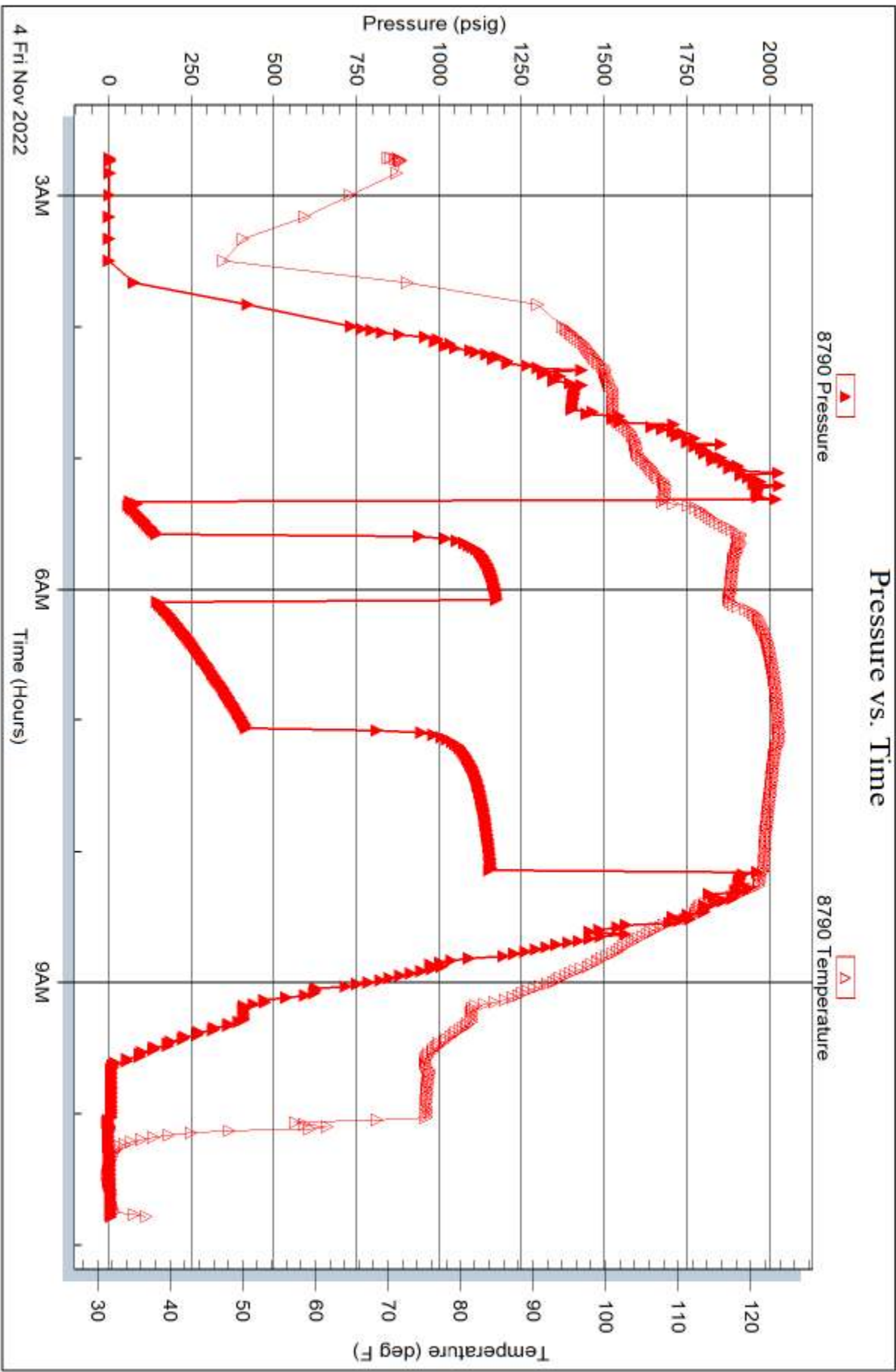
Serial #: 8790

Inside

Berexco LLC

Nolette Unit 4-15

DST Test Number: 1





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69671

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2022.11.04 @ 20:42:00

### GENERAL INFORMATION:

Formation: **LKC "B - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:03:51

Time Test Ended: 04:38:36

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 73

**Interval: 4123.00 ft (KB) To 4172.00 ft (KB) (TVD)**

Total Depth: 4172.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 6771 Inside**

Press@RunDepth: 545.59 psig @ 4124.00 ft (KB)

Start Date: 2022.11.04

End Date:

2022.11.05

Start Time: 20:42:01

End Time:

04:38:36

Capacity: 8000.00 psig

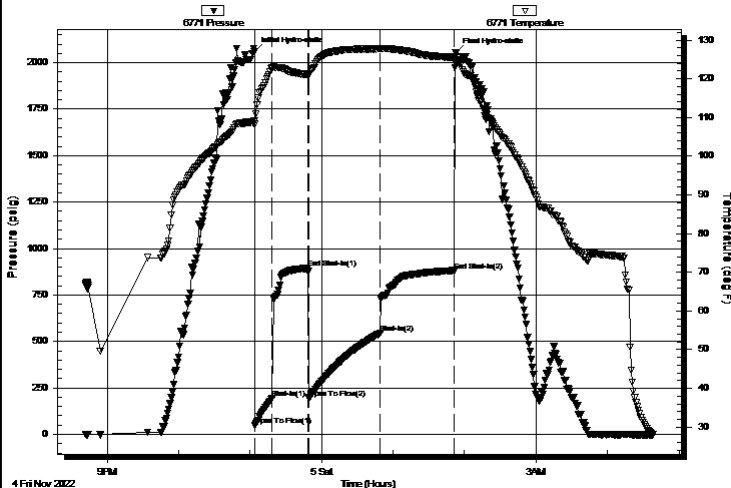
Last Calib.: 2022.11.05

Time On Btm: 2022.11.04 @ 23:03:36

Time Off Btm: 2022.11.05 @ 01:52:36

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 5 min., built to 29 1/4"  
30 - IS: No blow back  
60 - FF: Blow built to BOB at 6 min., built to 72 1/2"  
60 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2058.39         | 109.17       | Initial Hydro-static |
| 1           | 47.01           | 108.31       | Open To Flow (1)     |
| 15          | 194.25          | 122.86       | Shut-In(1)           |
| 45          | 894.57          | 121.15       | End Shut-In(1)       |
| 46          | 192.77          | 121.10       | Open To Flow (2)     |
| 106         | 545.59          | 127.74       | Shut-In(2)           |
| 168         | 881.68          | 125.49       | End Shut-In(2)       |
| 169         | 2056.34         | 124.05       | Final Hydro-static   |

Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 885.00      | SMCW 91%w, 9%w | 12.41        |
| 250.00      | MW 57%w, 43%w  | 3.51         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69671

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2022.11.04 @ 20:42:00

### GENERAL INFORMATION:

Formation: **LKC "B - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:03:51

Time Test Ended: 04:38:36

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 73

**Interval: 4123.00 ft (KB) To 4172.00 ft (KB) (TVD)**

Total Depth: 4172.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8367 Outside**

Press@RunDepth: psig @ 4124.00 ft (KB)

Start Date: 2022.11.04

End Date:

2022.11.05

Start Time: 20:42:01

End Time:

04:38:36

Capacity: 8000.00 psig

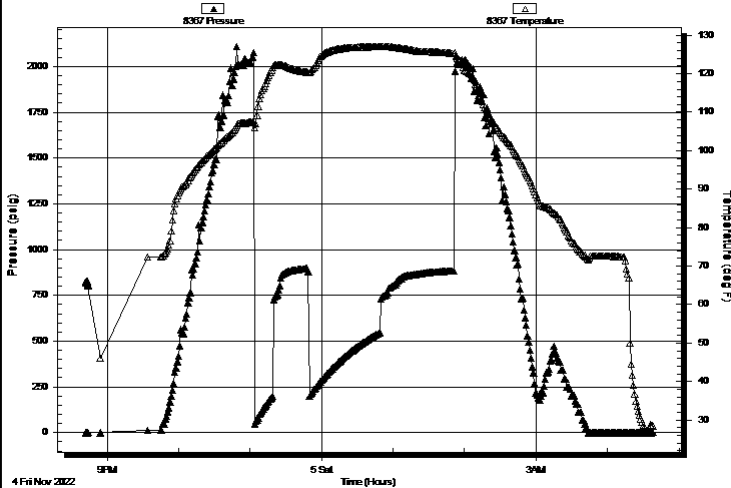
Last Calib.: 2022.11.05

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 5 min., built to 29 1/4"  
30 - IS: No blow back  
60 - FF: Blow built to BOB at 6 min., built to 72 1/2"  
60 - FSI: No blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 885.00      | SMCW 91%w, 9%m | 12.41        |
| 250.00      | MW 57%w, 43%m  | 3.51         |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69671

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2022.11.04 @ 20:42:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

15000 ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description     | Volume<br>bbl |
|--------------|-----------------|---------------|
| 885.00       | SMCW 91%w , 9%m | 12.414        |
| 250.00       | MW 57%w , 43%m  | 3.507         |

Total Length: 1135.00 ft

Total Volume: 15.921 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .850 ohms @ 36.5 deg F Chlorides = 15,000 ppm



Serial #: 6771

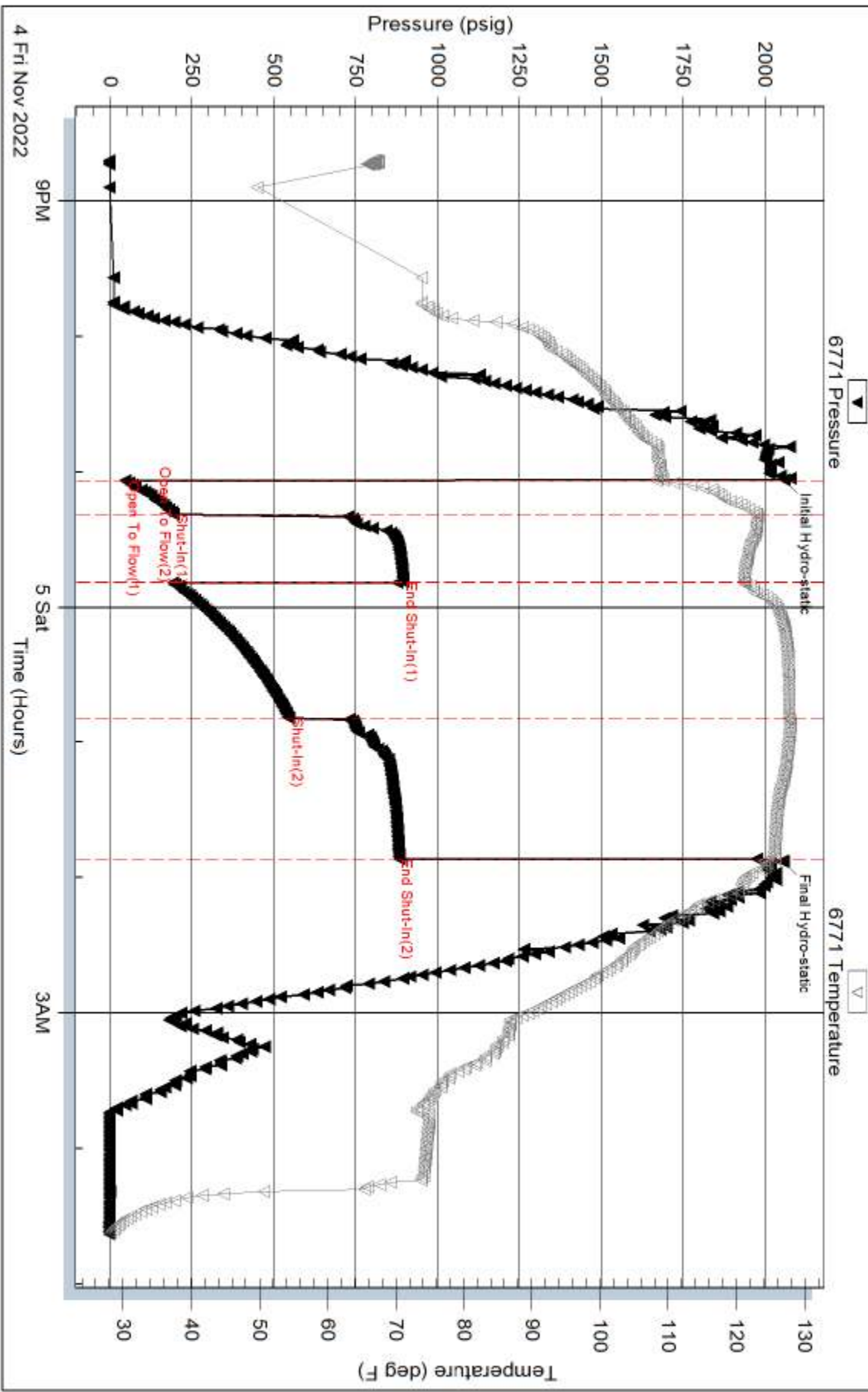
Inside

Berexco LLC

Nollette Unit #4-15

DST Test Number: 2

# Pressure vs. Time

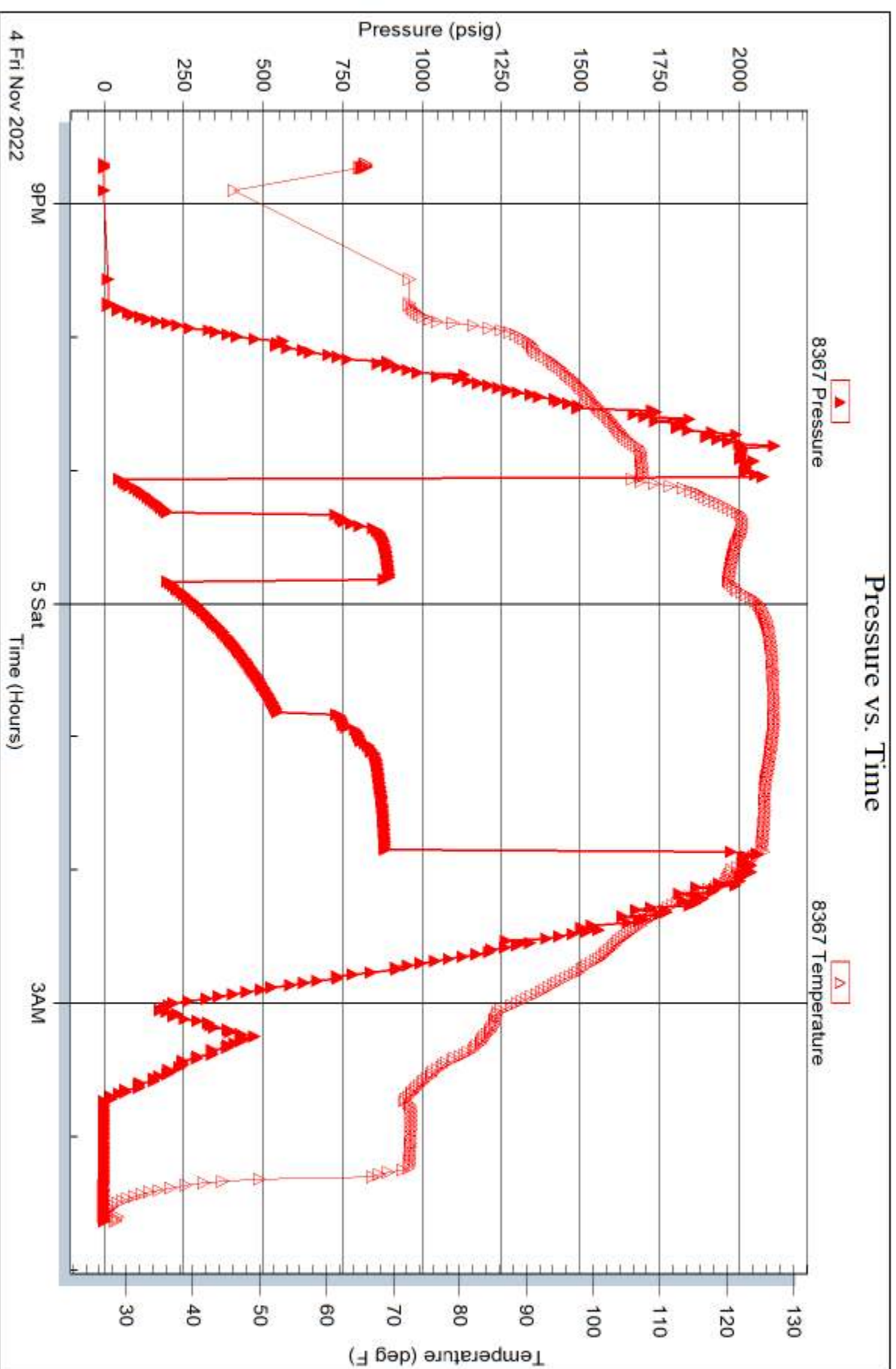


Serial #: 8367

Outside Berexco LLC

Nolette Unit #4-15

DST Test Number: 2





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69672

**DST#: 3**

ATTN: Marc SummerVill

Test Start: 2022.11.05 @ 16:00:00

### GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:52:21

Time Test Ended: 22:53:51

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

**Interval: 4231.00 ft (KB) To 4273.00 ft (KB) (TVD)**

Total Depth: 4273.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 6771 Inside**

Press@RunDepth: 47.90 psig @ 4232.00 ft (KB)

Start Date: 2022.11.05

End Date:

2022.11.05

Start Time: 16:00:01

End Time:

22:53:51

Capacity: 8000.00 psig

Last Calib.: 2022.11.05

Time On Btm: 2022.11.05 @ 17:52:06

Time Off Btm: 2022.11.05 @ 20:41:51

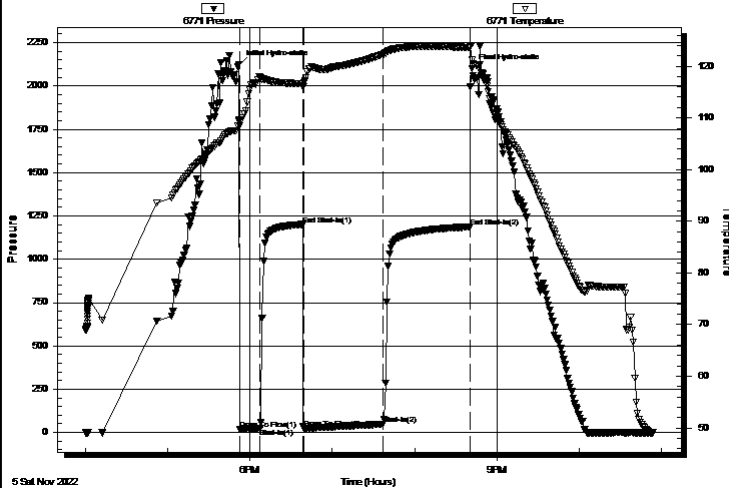
TEST COMMENT: 15 - IF: Blow built to 1 1/4"

30 - ISI: No blow back

60 - FF: Blow built to 2"

60 - FSI: No blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2122.51         | 109.62       | Initial Hydro-static |
| 1           | 17.59           | 108.53       | Open To Flow (1)     |
| 16          | 23.15           | 117.83       | Shut-In(1)           |
| 47          | 1201.03         | 116.67       | End Shut-In(1)       |
| 48          | 25.07           | 116.79       | Open To Flow (2)     |
| 105         | 47.90           | 122.30       | Shut-In(2)           |
| 169         | 1187.00         | 123.62       | End Shut-In(2)       |
| 170         | 2098.46         | 121.16       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 70.00       | MCW w/trace oil 80%w , 20%m | 0.98         |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69672

**DST#: 3**

ATTN: Marc SummerVill

Test Start: 2022.11.05 @ 16:00:00

### GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:52:21

Time Test Ended: 22:53:51

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

**Interval: 4231.00 ft (KB) To 4273.00 ft (KB) (TVD)**

Total Depth: 4273.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8367 Outside**

Press@RunDepth: psig @ 4232.00 ft (KB)

Start Date: 2022.11.05

End Date:

2022.11.05

Start Time: 16:00:01

End Time:

22:53:51

Capacity: 8000.00 psig

Last Calib.: 2022.11.05

Time On Btm:

Time Off Btm:

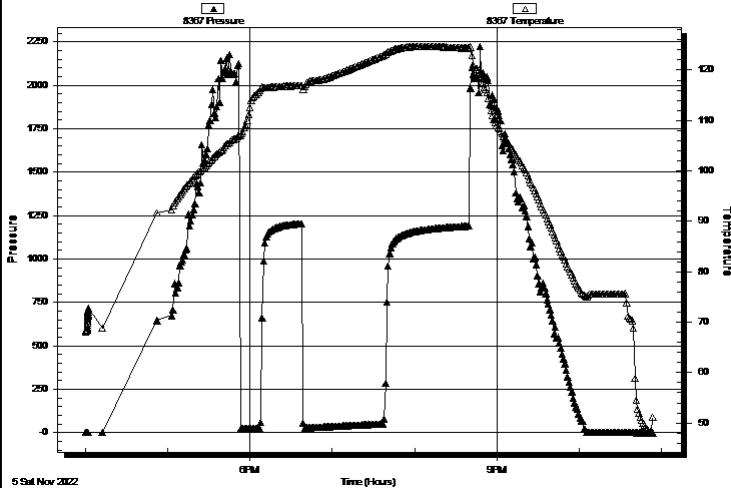
TEST COMMENT: 15 - IF: Blow built to 1 1/4"

30 - IS: No blow back

60 - FF: Blow built to 2"

60 - FS: No blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 70.00       | MCW w/trace oil 80%w , 20%m | 0.98         |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69672

**DST#: 3**

ATTN: Marc SummerVill

Test Start: 2022.11.05 @ 16:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 8.77 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description                  | Volume<br>bbl |
|--------------|------------------------------|---------------|
| 70.00        | MCW w /trace oil 80%w , 20%m | 0.982         |

Total Length: 70.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

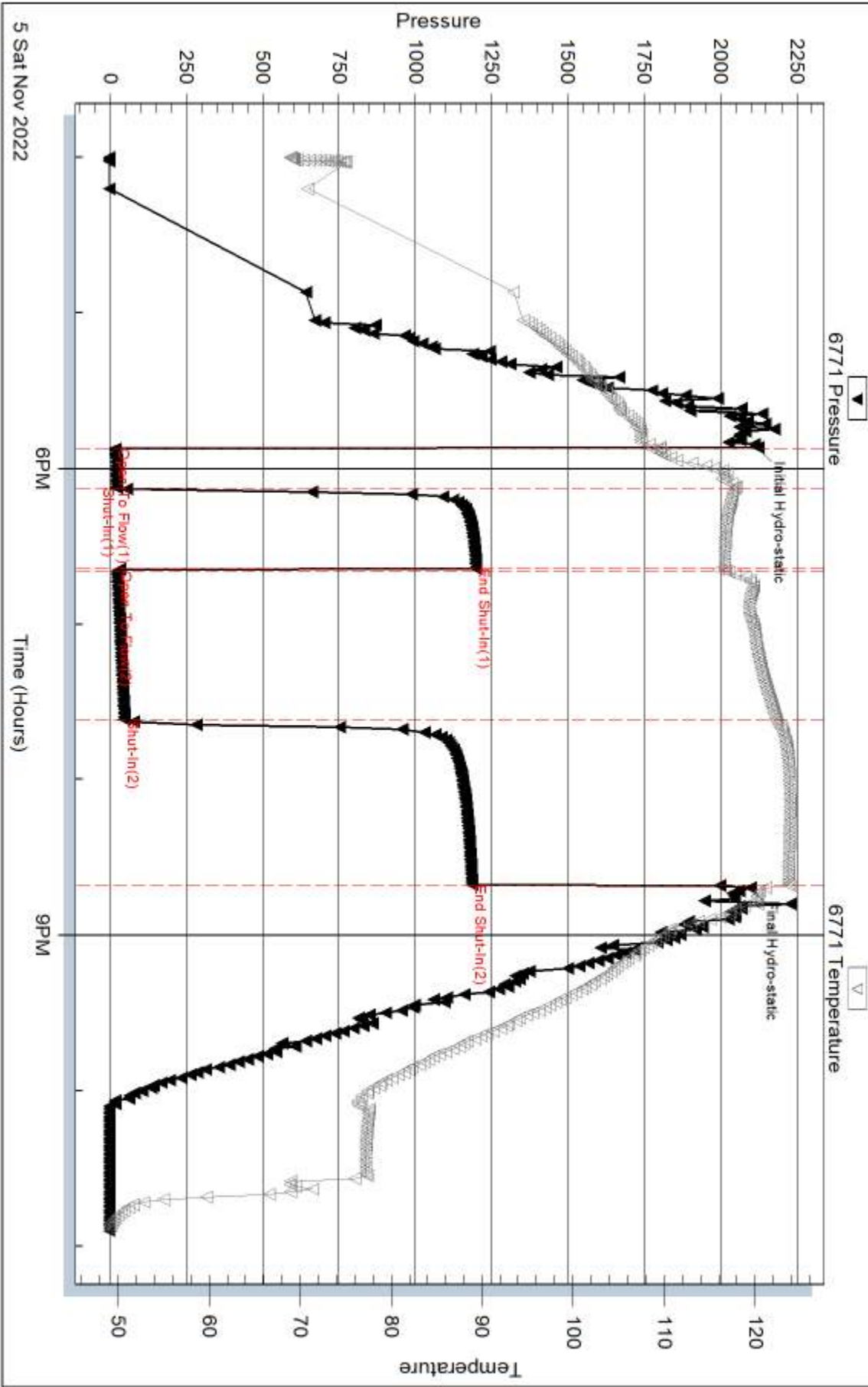
Inside

Berexco LLC

Nolette Unit #4-15

DST Test Number: 3

# Pressure vs. Time

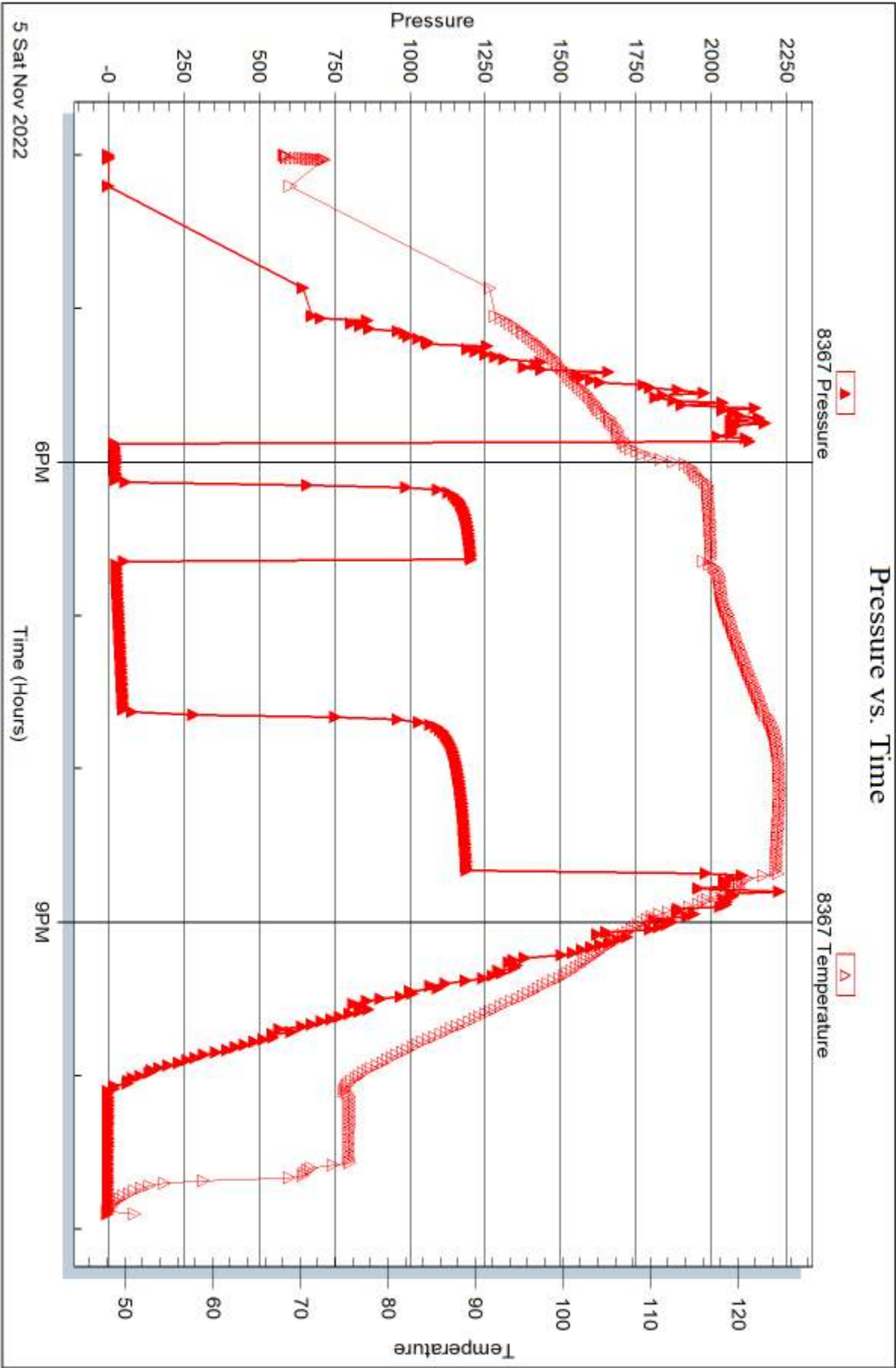


Serial #: 8367

Outside Berexco LLC

Nolette Unit #4-15

DST Test Number: 3







**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69673

**DST#: 4**

ATTN: Marc SummerVill

Test Start: 2022.11.06 @ 08:37:00

### GENERAL INFORMATION:

Formation: **LKC "I - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:06

Time Test Ended: 17:47:35

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

**Interval: 4269.00 ft (KB) To 4325.00 ft (KB) (TVD)**

Total Depth: 4325.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 6771 Inside**

Press@RunDepth: 358.93 psig @ 4270.00 ft (KB)

Start Date: 2022.11.06

End Date:

2022.11.06

Start Time: 08:37:01

End Time:

17:47:35

Capacity: 8000.00 psig

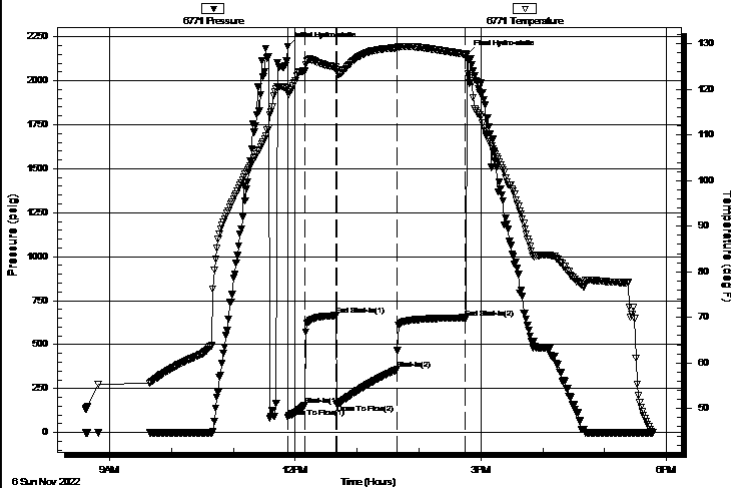
Last Calib.: 2022.11.06

Time On Btm: 2022.11.06 @ 11:52:51

Time Off Btm: 2022.11.06 @ 14:46:36

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 5 min., built to 45 1/2"  
30 - IS: Blow back built to 6 1/2"  
60 - FF: Blow built to BOB at 6 1/4 min., built to 79"  
60 - FS: Blow back built to 4 1/4"

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2194.83         | 120.32       | Initial Hydro-static |
| 1           | 87.85           | 119.39       | Open To Flow (1)     |
| 17          | 154.43          | 124.15       | Shut-In(1)           |
| 47          | 665.51          | 124.85       | End Shut-In(1)       |
| 48          | 159.97          | 124.32       | Open To Flow (2)     |
| 106         | 358.93          | 129.13       | Shut-In(2)           |
| 173         | 653.07          | 127.73       | End Shut-In(2)       |
| 174         | 2148.01         | 126.74       | Final Hydro-static   |

Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 250.00      | SW/GMCO 48%o, 34%g, 16%m, 2%w | 3.51         |
| 700.00      | CGO 60%o, 40%g                | 9.82         |
| 0.00        | GIP = 1390'                   | 0.00         |
|             |                               |              |
|             |                               |              |
|             |                               |              |

Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69673

**DST#: 4**

ATTN: Marc SummerVill

Test Start: 2022.11.06 @ 08:37:00

### GENERAL INFORMATION:

Formation: **LKC "I - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:06

Time Test Ended: 17:47:35

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: **4269.00 ft (KB) To 4325.00 ft (KB) (TVD)**

Total Depth: 4325.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8367 Outside**

Press@RunDepth: psig @ 4270.00 ft (KB)

Start Date: 2022.11.06

End Date:

2022.11.06

Start Time: 08:37:01

End Time:

17:47:20

Capacity: 8000.00 psig

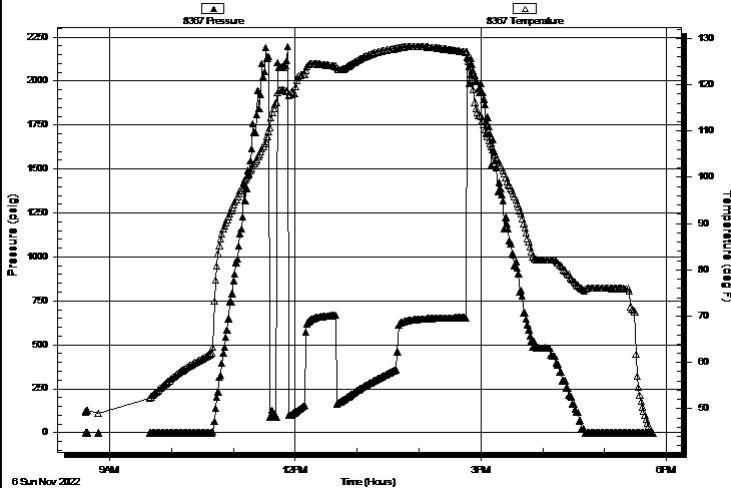
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: 15 - IF: Blow built to BOB (11") at 5 min., built to 45 1/2"  
30 - IS: Blow back built to 6 1/2"  
60 - FF: Blow built to BOB at 6 1/4 min., built to 79"  
60 - FS: Blow back built to 4 1/4"

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 250.00      | SW/GMCO 48%o, 34%g, 16%m, 2%w | 3.51         |
| 700.00      | CGO 60%o, 40%g                | 9.82         |
| 0.00        | GIP = 1390'                   | 0.00         |
|             |                               |              |
|             |                               |              |
|             |                               |              |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69673

**DST#: 4**

ATTN: Marc SummerVill

Test Start: 2022.11.06 @ 08:37:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 9.59 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

39 deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description                   | Volume<br>bbl |
|--------------|-------------------------------|---------------|
| 250.00       | SW/GMCO 48%o, 34%g, 16%m, 2%w | 3.507         |
| 700.00       | CGO 60%o, 40%g                | 9.819         |
| 0.00         | GIP = 1390'                   | 0.000         |

Total Length: 950.00 ft      Total Volume: 13.326 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 38 api @ 50 deg F Corrected gravity = 39 api

Serial #: 6771

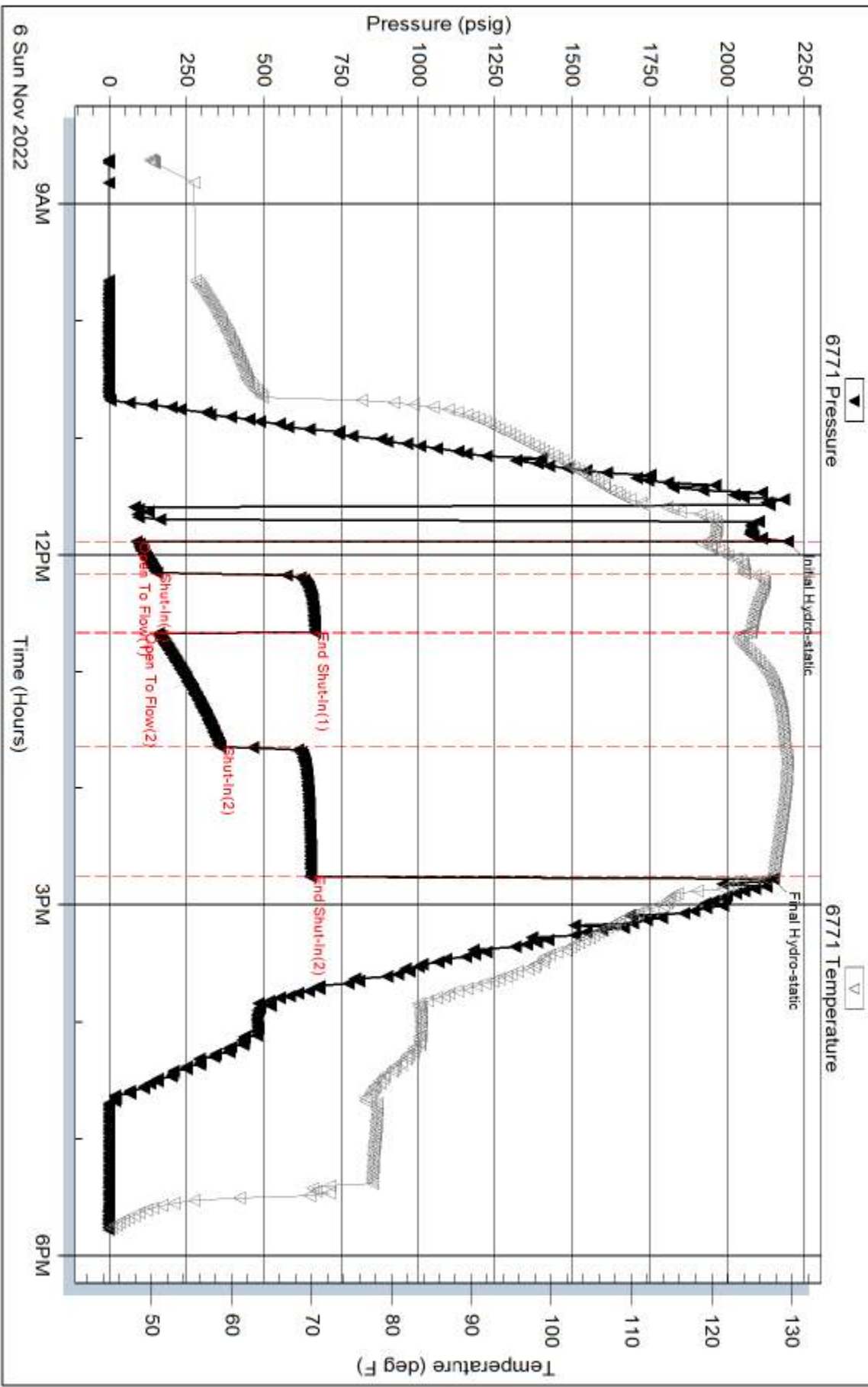
Inside

Berexco LLC

Nolette Unit #4-15

DST Test Number: 4

# Pressure vs. Time

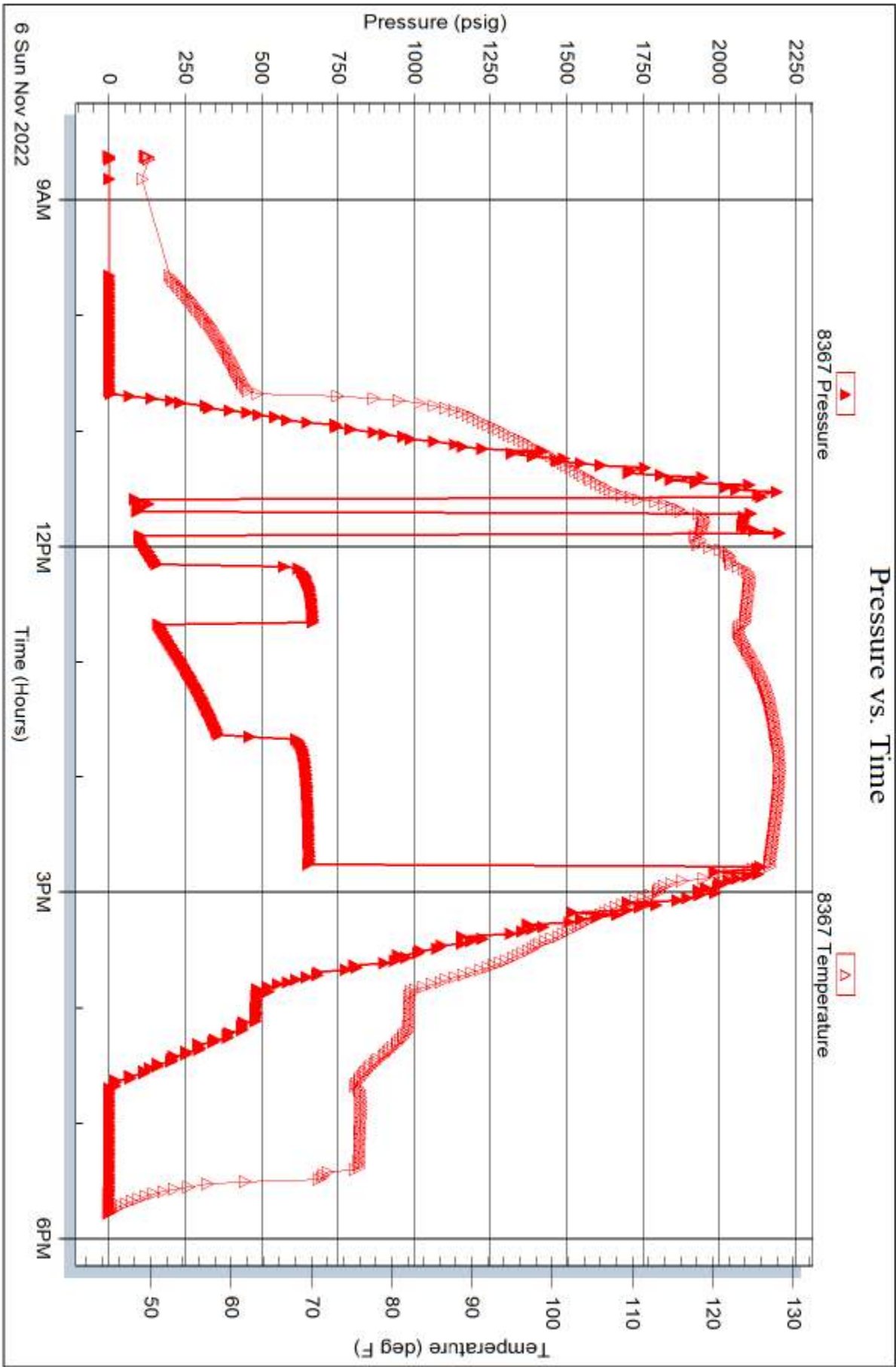


Serial #: 8367

Outside Berexco LLC

Nolette Unit #4-15

DST Test Number: 4





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69674

**DST#: 5**

ATTN: Marc SummerVill

Test Start: 2022.11.07 @ 02:23:00

### GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:25:51

Time Test Ended: 10:24:21

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

**Interval: 4317.00 ft (KB) To 4353.00 ft (KB) (TVD)**

Total Depth: 4353.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 6771 Inside**

Press@RunDepth: 199.68 psig @ 4318.00 ft (KB)

Start Date: 2022.11.07

End Date:

2022.11.07

Start Time: 02:23:01

End Time:

10:24:21

Capacity: 8000.00 psig

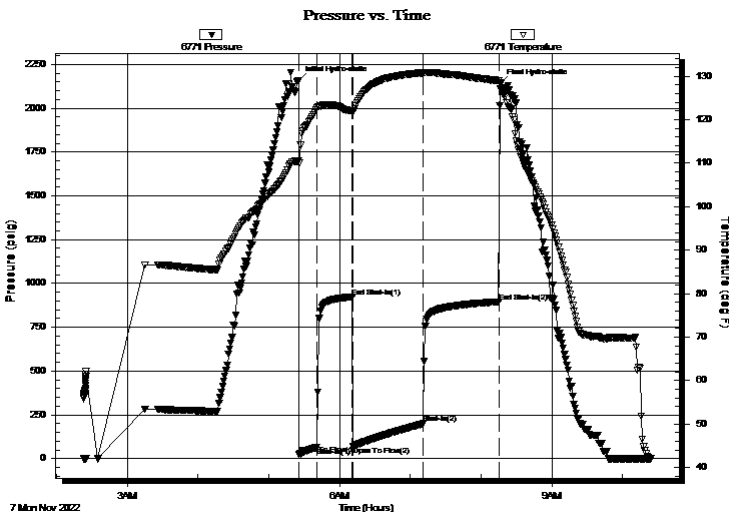
Last Calib.: 2022.11.07

Time On Btm: 2022.11.07 @ 05:25:21

Time Off Btm: 2022.11.07 @ 08:16:36

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 15 min.  
30 - IS: Blow back built to 1/4"  
60 - FF: Blow built to BOB at 16 min., built to 20 3/4"  
60 - FSI: Blow back built to 3/4"

### PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2157.83         | 110.49       | Initial Hydro-static |
| 1           | 26.70           | 109.97       | Open To Flow (1)     |
| 16          | 66.16           | 122.78       | Shut-In(1)           |
| 46          | 922.92          | 121.92       | End Shut-In(1)       |
| 47          | 69.75           | 121.91       | Open To Flow (2)     |
| 106         | 199.68          | 130.73       | Shut-In(2)           |
| 170         | 895.46          | 128.88       | End Shut-In(2)       |
| 172         | 2141.88         | 126.99       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 190.00      | SMCW w/trace oil 97%w, 3%m | 2.67         |
| 155.00      | SO/MW 49%w, 38%m, 8%g, 5%o | 2.17         |
| 30.00       | SWMCO 85%o, 8%m, 5%w, 2%g  | 0.42         |
| 30.00       | CGO 85%o, 15%g             | 0.42         |
| 0.00        | GIP = 280'                 | 0.00         |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69674

**DST#: 5**

ATTN: Marc SummerVill

Test Start: 2022.11.07 @ 02:23:00

### GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:25:51

Time Test Ended: 10:24:21

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

**Interval: 4317.00 ft (KB) To 4353.00 ft (KB) (TVD)**

Total Depth: 4353.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3174.00 ft (KB)

3166.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8367 Outside**

Press@RunDepth: psig @ 4318.00 ft (KB)

Start Date: 2022.11.07

End Date:

2022.11.07

Start Time: 02:23:01

End Time:

10:24:21

Capacity: 8000.00 psig

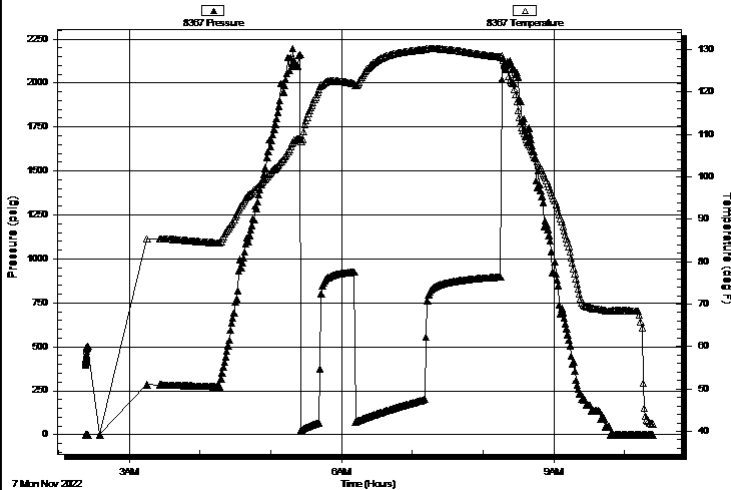
Last Calib.: 2022.11.07

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 15 - IF: Blow built to BOB (11") at 15 min.  
30 - IS: Blow back built to 1/4"  
60 - FF: Blow built to BOB at 16 min., built to 20 3/4"  
60 - FS: Blow back built to 3/4"

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 190.00      | SMCW w/trace oil 97%w , 3%m | 2.67         |
| 155.00      | SO/MW 49%w , 38%m, 8%g, 5%o | 2.17         |
| 30.00       | SWMCO 85%o, 8%m, 5%w , 2%g  | 0.42         |
| 30.00       | CGO 85%o, 15%g              | 0.42         |
| 0.00        | GIP = 280'                  | 0.00         |

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE**  
**TESTING, INC**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Berexco LLC

**15-10-33 Thomas,KS**

2020 N Bramblewood  
Wichita, KS 67206

**Nollette Unit #4-15**

Job Ticket: 69674

**DST#: 5**

ATTN: Marc SummerVill

Test Start: 2022.11.07 @ 02:23:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 9.59 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

36.2 deg API

Water Salinity:

32000 ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description                  | Volume<br>bbl |
|--------------|------------------------------|---------------|
| 190.00       | SMCW w /trace oil 97%w , 3%m | 2.665         |
| 155.00       | SO/MW 49%w , 38%m, 8%g, 5%o  | 2.174         |
| 30.00        | SWMCO 85%o, 8%m, 5%w , 2%g   | 0.421         |
| 30.00        | CGO 85%o, 15%g               | 0.421         |
| 0.00         | GIP = 280'                   | 0.000         |

Total Length: 405.00 ft

Total Volume: 5.681 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 35 api @ 48 deg F Corrected Gravity = 36.2 api

RW = .334 ohms @ 44 deg F Chlorides = 32,000 ppm

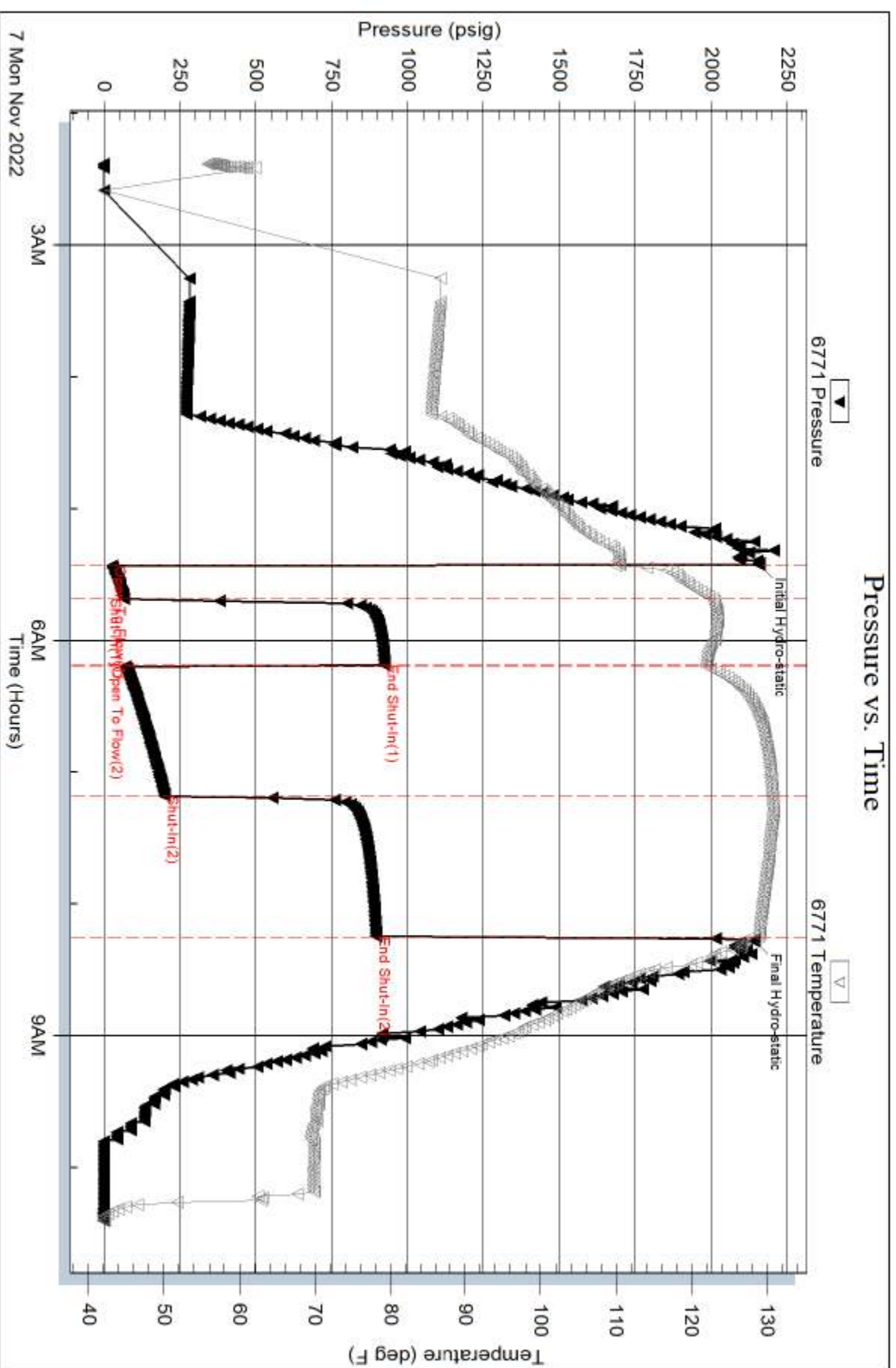
Serial #: 6771

## Inside

Berexco LLC

Nolette Unit #4-15

DST Test Number: 5

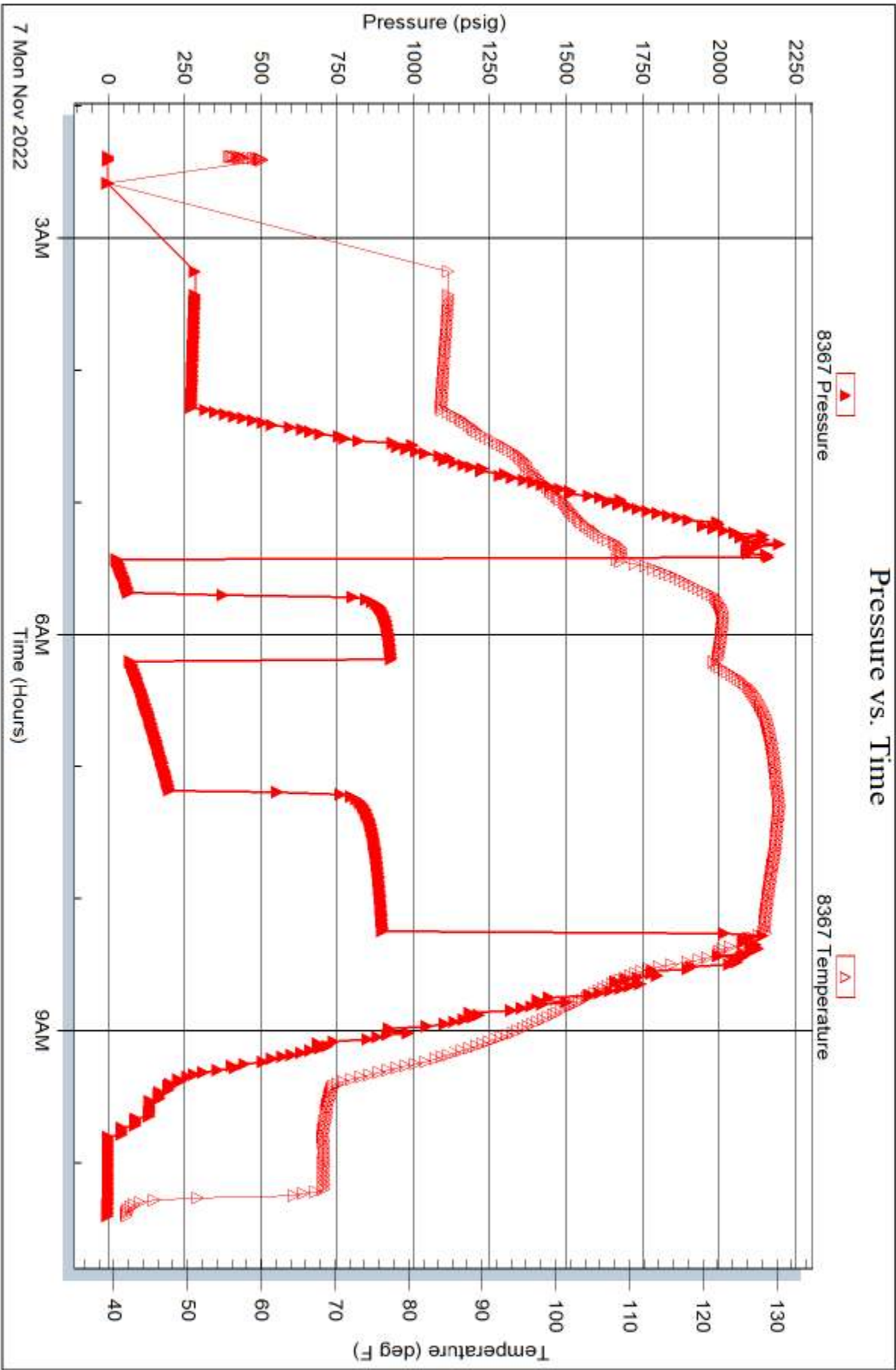


Serial #: 8367

Outside Berexco LLC

Nolette Unit #4-15

DST Test Number: 5





# **GEOLOGICAL REPORT**

**Larry A. Nicholson**

NAD 2  
39.18924100  
-100.9985890

**Larry A. Nicholson**  
C  
FIELD

1985890

Heeh  
Lansin  
LSG B  
LANS  
LANS  
LANS  
Pawne  
Chero  
Johns  
Ss  
Miss  
BTD

FO

|        |          |      |     |      |     |          |
|--------|----------|------|-----|------|-----|----------|
| ebner  | LOCATION | 660' | FNL | 330' | FWL | W2 NW NW |
| nsing  | SEC      | 15   | TWP | 105  | RGE | 33W      |
| GB     |          |      |     |      |     |          |
| NS J   |          |      |     |      |     |          |
| NS K   |          |      |     |      |     |          |
| NS L   |          |      |     |      |     |          |
| nee    |          |      |     |      |     |          |
| erokee |          |      |     |      |     |          |
| hson   |          |      |     |      |     |          |
| ss     |          |      |     |      |     |          |
| D      |          |      |     |      |     |          |

FO  
er  
g  
J  
K  
L  
e  
kee  
on

|  |        |        |       |    |
|--|--------|--------|-------|----|
|  | COUNTY | Thomas | STATE | Ks |
|--|--------|--------|-------|----|

LEASE Nollette Unit \_\_\_\_\_ WELL # #4-15  
LOCATION W2 NW NW \_\_\_\_\_  
SURVEY 660' FNL 330' FWL \_\_\_\_\_  
SECTION 15 TWP 10S \_\_\_\_\_ RGE 33W \_\_\_\_\_  
COUNTY Thomas STATE Kansas \_\_\_\_\_

CONTRACTOR Duke Drlg Vasquez \_\_\_\_\_ Rig # #2  
SPUD 10-31-22 3:00 pm \_\_\_\_\_ COMP \_\_\_\_\_  
RTD 4779 12:54 pm 11-08-22 LTD 4779 \_\_\_\_\_  
MUD UPAT 3607 \_\_\_\_\_  
MUD TYPE Chemical Andy's Mud Kirk Werth \_\_\_\_\_

SAMPLES SAVED \_\_\_\_\_  
DRILLING TIME FROM 3700 TO RTD \_\_\_\_\_

CONDUCTOR \_\_\_\_\_

|                        |                    |          |     |                 |
|------------------------|--------------------|----------|-----|-----------------|
| SAMPLES EXAMINED       | FROM 37200         | TO 37210 | RD# | Surface 392     |
| GEOLOGICAL SUPERVISION | FROM 37200         | TO 37210 | RD# | Production      |
| WELL/SITE GEOLOGIST    | LARRY A. NICHOLSON |          |     | Drig Supervisor |

|                                      |             |              |               |              |                    |  |
|--------------------------------------|-------------|--------------|---------------|--------------|--------------------|--|
| ELECTRICAL SURVEYS                   |             |              |               |              | Dual Den Neu Micro |  |
| FORMATION TOPS & STRUCTURAL POSITION |             |              |               |              |                    |  |
|                                      | SAMPLE TOPS | SUBSEA DATUM | ELEC LOG TOPS | SUBSEA DATUM | REF                |  |
|                                      |             |              |               |              | A                  |  |
|                                      |             |              | 4064          | -890         |                    |  |
|                                      |             |              | 4104          | -930         |                    |  |
|                                      |             |              | 4136          | -962         |                    |  |

|                 |     |      |
|-----------------|-----|------|
| Interface       | 390 | of 8 |
| Production      |     | of   |
| Alg Supervision |     |      |

| REFERENCE WEIGHT |  |
|------------------|--|
| A                |  |
|                  |  |
|                  |  |

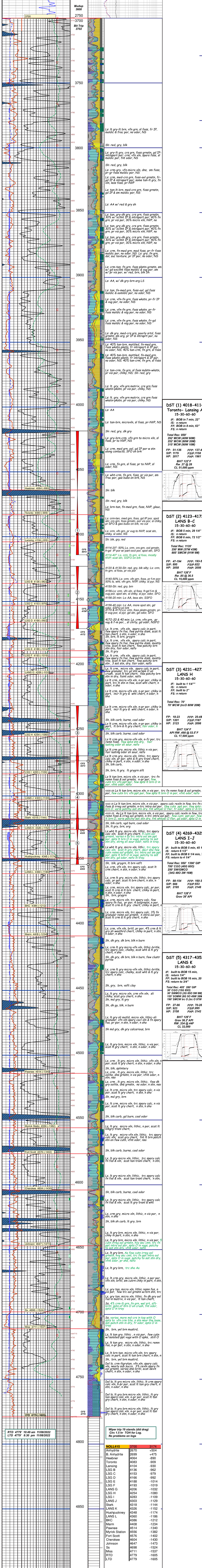
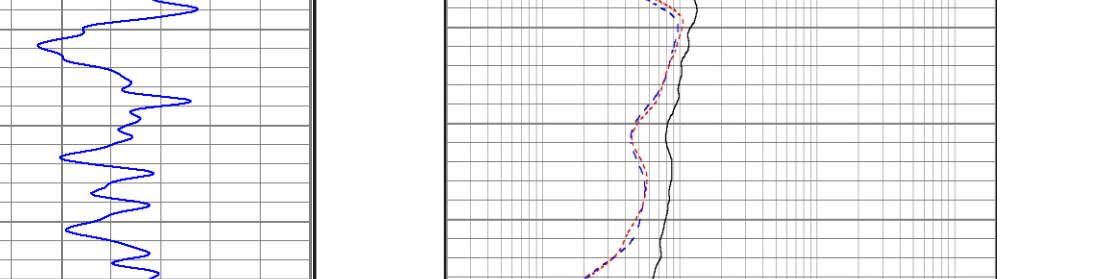
|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |      |       |  |
|--|--|--|------|-------|--|
|  |  |  | 4711 | -1537 |  |
|  |  |  | 4779 | -1605 |  |
|  |  |  | 4779 | -1605 |  |

| REFERENCE WELLS                 | <div style="display: flex; justify-content: space-between;"> <span>A: _____</span> <span>B: _____</span> </div> <div style="font-size: small; margin-top: 5px;">LAN 782, Modified 5/05, 11/11, 4/12, 4/18 1inch =25.4mm 8.5 x 97.5 216 mm x 240 26mm</div> |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DRILLSTEM TEST SUMMARY :</b> | <b>REMARKS &amp; RECOMMENDATIONS:</b> <div style="border: 1px solid black; height: 150px; margin-top: 5px;"></div>                                                                                                                                         |

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

RAY / SP 150  
Units 100 DEPTH  
8 10 20 40 80 160

[illegible]

A blank coordinate grid with a horizontal line drawn across it. The grid consists of a 10x10 array of small squares. A solid blue horizontal line is drawn across the middle of the grid, passing through the center of the 5th row from the top.

[illegible]

The image shows a technical drawing of a vertical scale. On the left, there is a grid of small squares. A horizontal blue line is drawn across the grid at a specific level. To the right of the grid, the number '5050' is written. Further to the right, there is a vertical scale with horizontal tick marks. A horizontal blue line is drawn across this scale at the same level as the line on the grid.

[illegible][illegible]

|     |  |  |
|-----|--|--|
| OGY |  |  |
|-----|--|--|

