



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64269

DST#: 3

Test Start: 2017.11.06 @ 14:56:04

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:55:04

Time Test Ended: 21:48:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4615.00 ft (KB) To 4683.00 ft (KB) (TVD)

Reference Elevations: 2917.00 ft (KB)

Total Depth: 4683.00 ft (KB) (TVD)

2904.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8166 Outside

Press@RunDepth: 77.93 psig @ 4616.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.06

End Date: 2017.11.06

Last Calib.: 2017.11.06

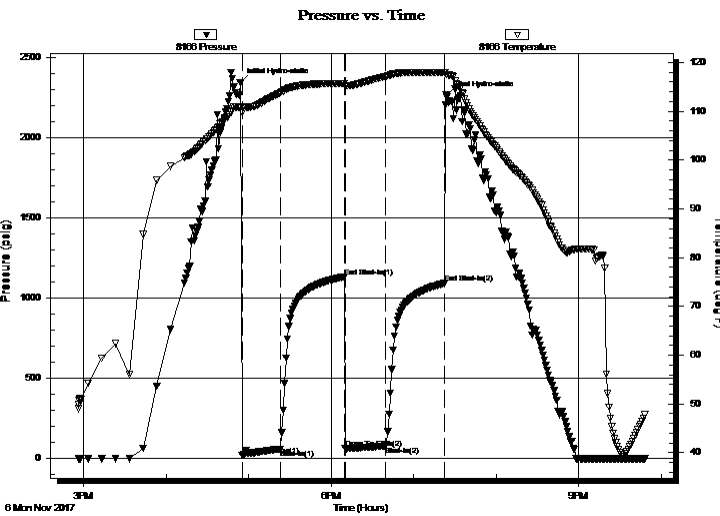
Start Time: 14:56:09

End Time: 21:48:03

Time On Btm: 2017.11.06 @ 16:53:34

Time Off Btm: 2017.11.06 @ 19:23:34

TEST COMMENT: IF: 1/4 blow built to 3.
IS: No return.
FF: Surface blow built to 1.
FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2341.82 | 110.91 | Initial Hydro-static |
| 2 | 21.19 | 109.88 | Open To Flow (1) |
| 30 | 57.93 | 113.83 | Shut-In(1) |
| 76 | 1132.92 | 115.73 | End Shut-In(1) |
| 77 | 62.29 | 115.33 | Open To Flow (2) |
| 106 | 77.93 | 117.16 | Shut-In(2) |
| 149 | 1091.78 | 117.91 | End Shut-In(2) |
| 150 | 2264.84 | 117.57 | Final Hydro-static |

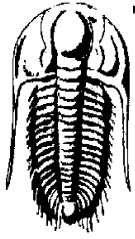
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 130.00 | mw 50%w 50%m | 1.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64269

DST#: 3

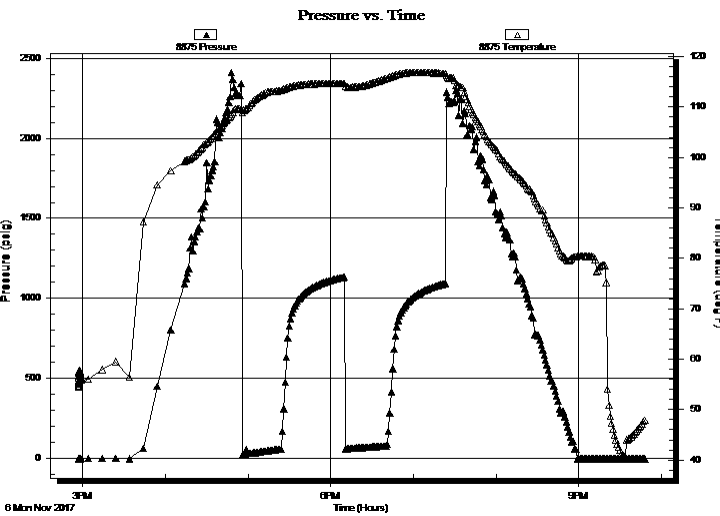
Test Start: 2017.11.06 @ 14:56:04

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:55:04
 Time Test Ended: 21:48:04
 Interval: **4615.00 ft (KB) To 4683.00 ft (KB) (TVD)**
 Total Depth: 4683.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2917.00 ft (KB)
 2904.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8875 Inside
 Press@RunDepth: psig @ 4616.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.11.06 End Date: 2017.11.06 Last Calib.: 2017.11.06
 Start Time: 14:56:58 End Time: 21:48:27 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 3.
 IS: No return.
 FF: Surface blow built to 1.
 FS: No return.



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 130.00 | mw 50%w 50%m | 1.02 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

Job Ticket: 64269

DST#: 3

ATTN: Josh Austin

Test Start: 2017.11.06 @ 14:56:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

41000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 130.00 | mw 50%w 50%m | 1.018 |

Total Length: 130.00 ft Total Volume: 1.018 bbl

Num Fluid Samples: 0

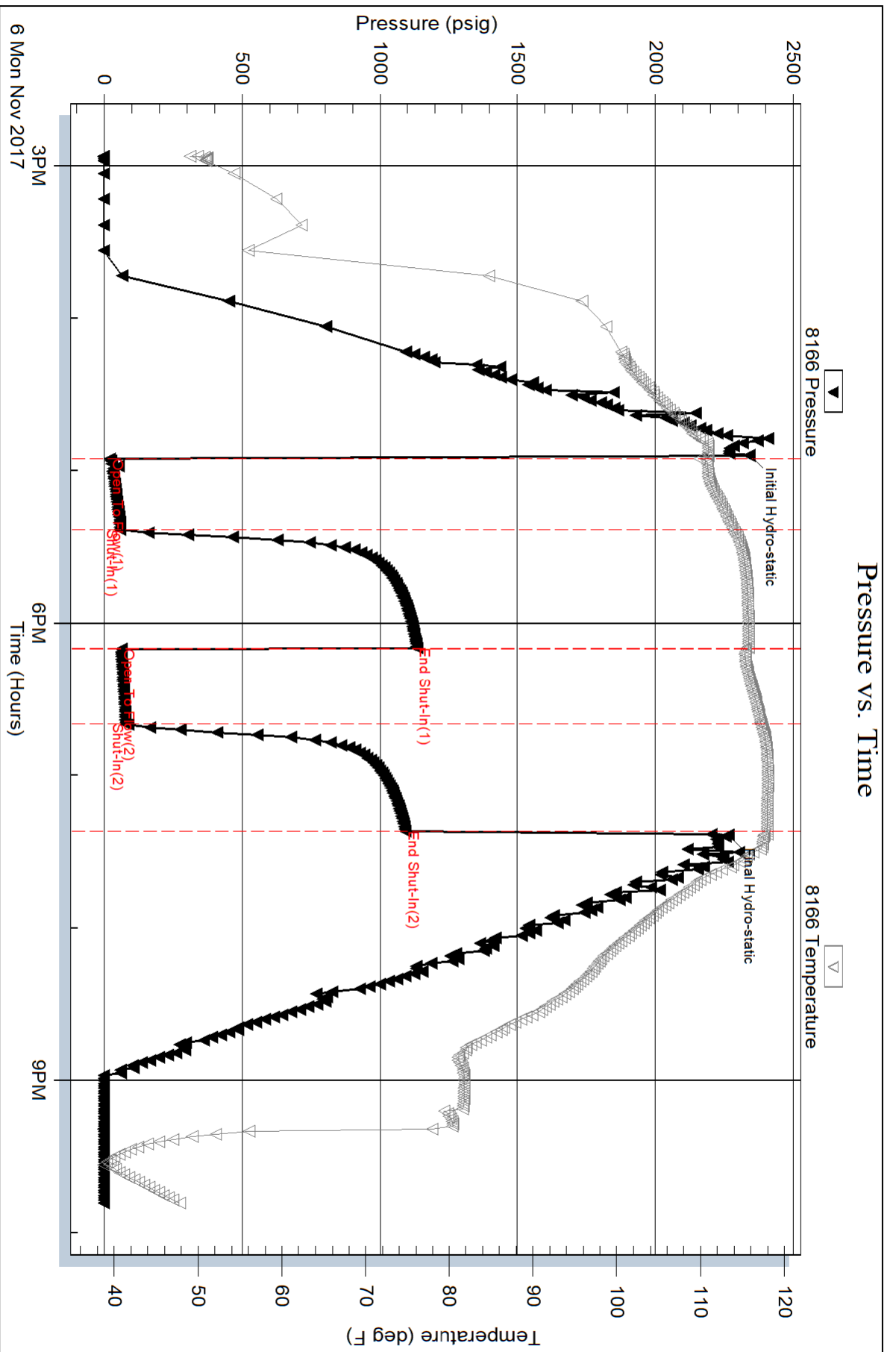
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@48=41000



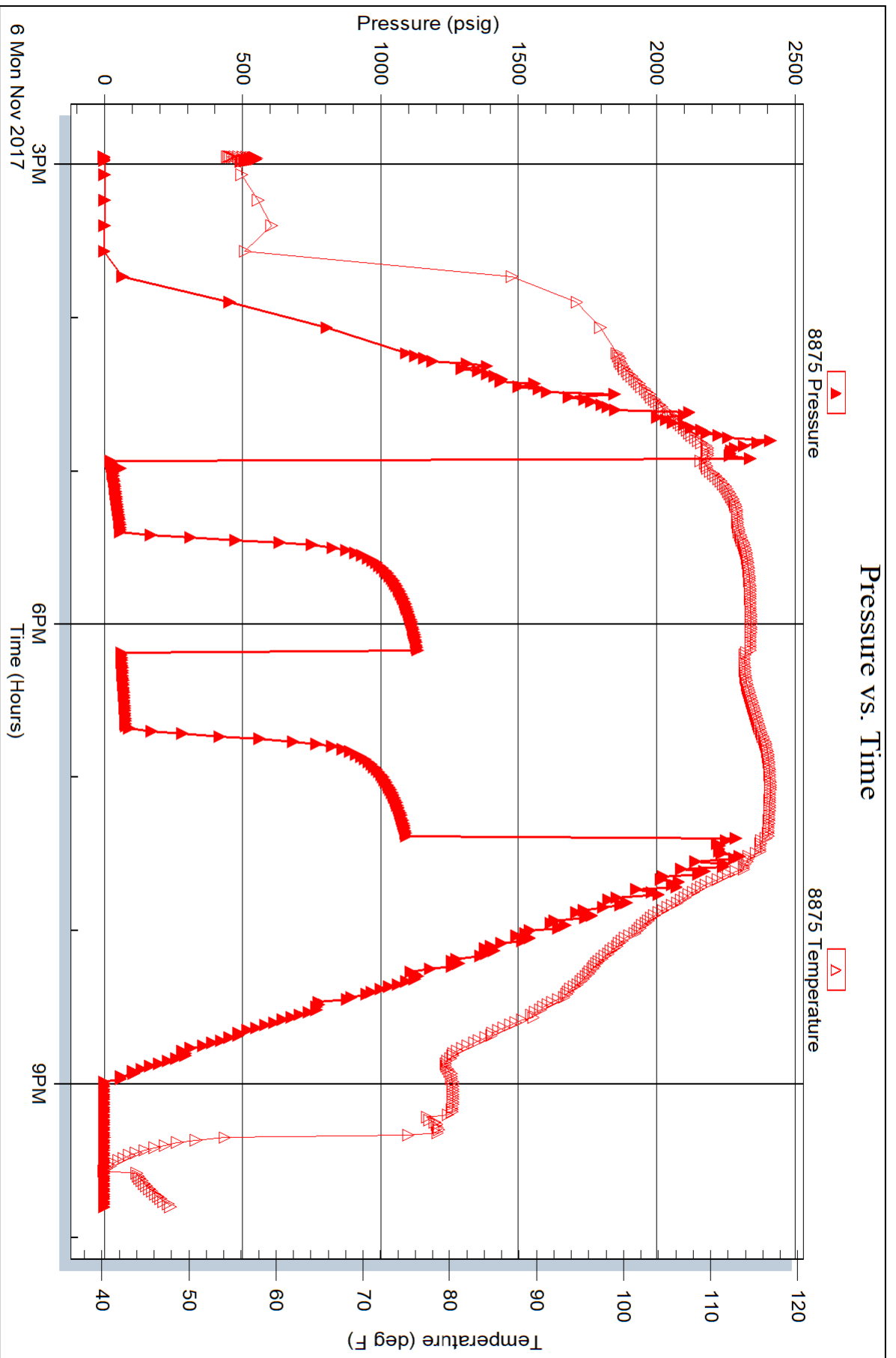
Serial #: 8875

Inside

Lebsack Oil Production

Garden City 9-12

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 64269

Printed: 2017.11.07 @ 08:10:33