

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)</i> <i>(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 | Daystar Petroleum, Inc. |
| Well Name | King 1-12 |
| Doc ID | 1306495 |

All Electric Logs Run

| |
|---------------------------|
| |
| Gamma Ray |
| Dual Induction |
| Microresistivity |
| Dual Compensated Porosity |
| Sonic |

| | |
|-----------|-------------------------|
| Form | ACO1 - Well Completion |
| Operator | Daystar Petroleum, Inc. |
| Well Name | King 1-12 |
| Doc ID | 1306495 |

Tops

| Name | Top | Datum |
|---------------|------|-------|
| Anhydrite | 1408 | 708 |
| Stotler | 2860 | -744 |
| Topeka | 3136 | -1020 |
| Heebner | 3407 | -1291 |
| Lansing | 3446 | -1330 |
| BKC | 3699 | -1583 |
| Pawnee | 3774 | -1658 |
| Cherokee Sand | 3836 | -1720 |
| Arbuckle | 3854 | -1738 |

ALLIED OIL & GAS SERVICES, LLC

067618

Federal Tax I.D. #20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Ogale

| | | | | | | | | | | | | | | |
|------------|---------------------|--------|------|----------|---------------------------|----------------------------|-----|------------|-------------|--------------|-----------|------------|------------|-----------|
| DATE | 3-16-16 | SEC. | 12 | TWP. | 15S | RANGE | 21W | CALLED OUT | ON LOCATION | 11:30 | JOB START | 12:30 P.M. | JOB FINISH | 1:00 P.M. |
| LEASE | <i>King</i> | WELL # | 1-12 | LOCATION | <i>Ogale</i> | <i>s to curve E to 390</i> | | | COUNTY | <i>Trego</i> | STATE | <i>KS</i> | | |
| OLD OR NEW | <i>(Circle one)</i> | | | | <i>5 TO RD 2 14E INTO</i> | | | | | | | | | |

CONTRACTOR *WJTW 12* OWNER *same*

TYPE OF JOB *Surface*

| | | | |
|---------------------|--------|------------|---------|
| HOLE SIZE | 12 1/4 | T.D. | 263' |
| CASING SIZE | 8 1/8 | DEPTH | 263.43' |
| TUBING SIZE | | DEPTH | |
| DRILL PIPE | | DEPTH | |
| TOOL | | DEPTH | |
| PRES. MAX | | MINIMUM | |
| MEAS. LINE | | SHOE JOINT | |
| CEMENT LEFT IN CSG. | 15' | | |
| PERFS. | | | |
| DISPLACEMENT | 15.82 | <i>DBL</i> | |

CEMENT
AMOUNT ORDERED *220 sb com 28cc*

| | | | | |
|----------|---------------|---|-------|---------|
| COMMON | 220 sb | @ | 17.90 | 4112.00 |
| POZMIX | | @ | | |
| GEL | 60 | @ | | |
| CHLORIDE | <i>649 #</i> | @ | 110 | 713.90 |
| ASC | | @ | | |

EQUIPMENT

| | | |
|-------------|----------|-------------------------|
| PUMP TRUCK | CEMENTER | <i>Andrew Fairhurst</i> |
| # <i>43</i> | HELPER | <i>Wayne Moobishy</i> |
| BULK TRUCK | DRIVER | <i>Corey Brown</i> |
| # <i>89</i> | DRIVER | |

TOTAL *4,830.90*
DISCOUNT *48% 2,318.84*

REMARKS:

Cement Did Circulate

SERVICE

HANDLING *297 c/yat @ 3.58* *62.56*
MILEAGE *2.25 to Ogale* *11.66* *921.25*
DEPTH OF JOB *263.43'*
PUMP TRUCK CHARGE *1579.25*

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME

Allen J. [Signature]

SIGNATURE

Allen J. [Signature]

[2]

@

@

@

@

@

@

TOTAL

DISCOUNT %

SALES TAX (IF ANY)

TOTAL CHARGES 8,239.96

DISCOUNT 3,955.18 (48%) IF PAID IN 30 DAYS

NET TOTAL 4,284.77 IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067621

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley

| | | | | | | | |
|--------------------------------|--------------------|------------------------------------|-----------------|------------|----------------------------|--------------------------|---------------------------|
| DATE <u>9-24-16</u> | SEC <u>12</u> | TWP. <u>15s</u> | RANGE <u>21</u> | CALLED OUT | ON LOCATION <u>6:00 PM</u> | JOB START <u>1:00 AM</u> | JOB FINISH <u>2:30 AM</u> |
| LEASE <u>King</u> | WELL # <u>1-12</u> | LOCATION <u>Ogallah s TORAY SE</u> | | | COUNTY <u>REGO</u> | STATE <u>KS</u> | |
| OLD OR <u>NEW</u> (Circle one) | | <u>15 1/4 E Sinto</u> | | | | | |

| |
|---|
| CONTRACTOR <u>W-12</u> |
| TYPE OF JOB <u>Production (2 stage)</u> |
| HOLE SIZE <u>7 7/8</u> T.D. <u>3940'</u> |
| CASING SIZE <u>5 1/2</u> DEPTH <u>3927'</u> |
| TUBING SIZE DEPTH |
| DRILL PIPE DEPTH |
| TOOL <u>OV</u> DEPTH <u>1398'</u> |
| PRES. MAX MINIMUM |
| MEAS. LINE SHOE JOINT <u>42</u> |
| CEMENT LEFT IN CSG. <u>42'</u> |
| PERFS. <u>Bottom</u> <u>Top</u> |
| DISPLACEMENT <u>98.79</u> <u>34.11</u> |

OWNER Same

CEMENT

| |
|--|
| AMOUNT ORDERED <u>150 ASC 426 MFC L</u> |
| <u>5.50 Gyp seal 5th Kol-seal .825 BWS</u> |
| <u>14th Defoamer 300sbs 4/35 400g 1/4"</u> |
| <u>12 BBL Hivis sweep</u> |
| COMMON @ |
| POZMIX @ |
| GEL @ |
| CHLORIDE @ |
| ASC <u>150 sbs</u> @ <u>12.90</u> <u>2685.00</u> |

EQUIPMENT

| |
|--|
| PUMP TRUCK CEMENTER <u>Andrew Forstund</u> |
| # <u>422</u> HELPER <u>Terry Heinrich</u> |
| BULK TRUCK |
| # <u>373</u> DRIVER <u>Ramon (Liberal)</u> |
| BULK TRUCK |
| # <u>891</u> DRIVER <u>Cory Brown</u> |

| |
|--|
| <u>Kol-seal 250#</u> @ <u>1.98</u> <u>735.00</u> |
| <u>Fluid Loss 112.8#</u> @ <u>23.10</u> <u>2605.68</u> |
| <u>Defoamer 20#</u> @ <u>3.50</u> <u>70.00</u> |
| <u>Hivis sweep 12 BBL</u> @ <u>58.70</u> <u>704.40</u> |
| <u>4/35 400g 300 sbs</u> @ <u>19.88</u> <u>5964.00</u> |
| <u>Flo-seal 75#</u> @ <u>2.97</u> <u>222.75</u> |
| @ |

TOTAL 12,986.8

DISCOUNT 48% 6,233.6

REMARKS:

Pump 12 BBL Hivissweep. mix 150 sbs ASC
Wash Pump and Line Clean. Release plug
and displace 400# LIFT 1200 Lard. Open
OV 800#. Plug Rat hole 30 sbs
mix 270 sbs down 5th casing was
Pump and Line Clean Release
plug and displace 800# LIFT Lard
plug that tool closed Circulate
8 BBL TOP IT.

Thank you

CHARGE TO: Daystar

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

| |
|--|
| HANDLING <u>518.05 cu/ft @ 2.48</u> <u>1284.76</u> |
| MILEAGE <u>2.75 Ton/mile 22.16 ton</u> <u>1828.20</u> |
| DEPTH OF JOB <u>3927'</u> |
| PUMP TRUCK CHARGE <u>2765.25</u> <u>2406.25</u> |
| EXTRA FOOTAGE @ |
| HV MILEAGE <u>30 miles</u> @ <u>7.70</u> <u>231.00</u> |
| LV MILEAGE <u>30 miles</u> @ <u>4.40</u> <u>132.00</u> |
| <u>Head + manifold</u> @ <u>275.00</u> |
| Rotater <u>Rotater</u> @ <u>200.00</u> |

TOTAL 6,357.21

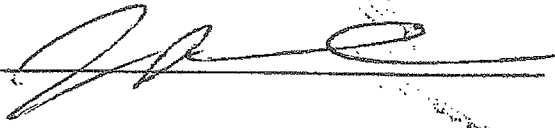
DISCOUNT 48% 305.46

PLUG & FLOAT EQUIPMENT

| |
|---|
| <u>5/2</u> |
| <u>1 Qty Float shoe</u> @ <u>545.00</u> |

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE  _____

312

| | | | |
|-------------------|---|-------|-----------------------|
| 1 Abu Khat Shoe | @ | | 545.00 |
| 1 Latch down plug | @ | | 60.00 |
| 1 DV Tool | @ | | 5335.00 |
| 5 Turbolizers | @ | 95.00 | 475.00 |
| 8 Centralizers | @ | 57 | 456.00 |
| 3 Baskets | | | 285.00 |
| | | | TOTAL 1185.00 |
| | | | 8656.00 |
| | | | DISCOUNT 48% 4,154.88 |

SALES TAX (If Any) _____

TOTAL CHARGES 28,000.04

DISCOUNT 13,440.01 (48%) IF PAID IN 30 DAYS

NET TOTAL 14,560.02 IF PAID IN 30 DAYS

Bid



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64848

DST#: 1

Test Start: 2016.03.20 @ 03:29:18

GENERAL INFORMATION:

Formation: **LKC "D&E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:48

Time Test Ended: 13:42:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3487.00 ft (KB) To 3526.00 ft (KB) (TVD)

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3526.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651

Inside

Press @ Run Depth: 645.86 psig @ 3492.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.20

End Date:

2016.03.20

Last Calib.:

2016.03.20

Start Time: 03:29:19

End Time:

13:42:18

Time On Btm:

2016.03.20 @ 07:58:48

Time Off Btm:

2016.03.20 @ 10:46:18

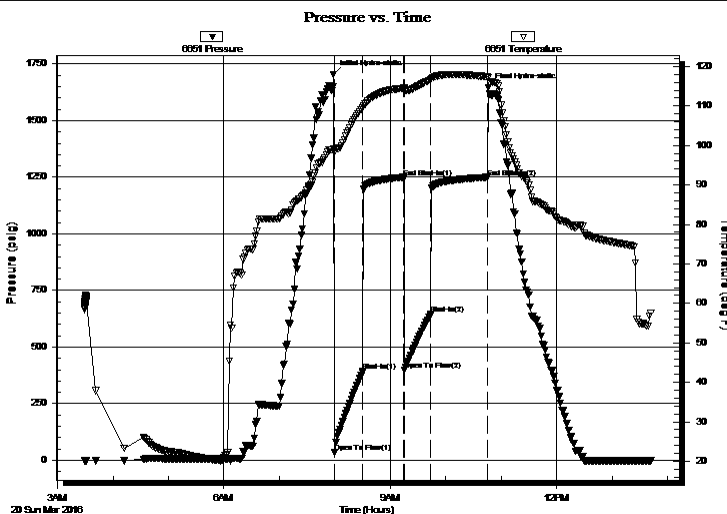
TEST COMMENT:

30- IF- BOB 4mins

45- IS- Surface blow built very slow ly to .5" then died back to surface blow after 33mins

30- FF- BOB 4mins

60- FSI- Surface blow



PRESSURE SUMMARY

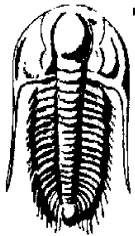
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1704.28 | 99.02 | Initial Hydro-static |
| 1 | 33.35 | 98.19 | Open To Flow (1) |
| 32 | 392.76 | 109.65 | Shut-In(1) |
| 76 | 1249.68 | 114.47 | End Shut-In(1) |
| 77 | 398.53 | 114.15 | Open To Flow (2) |
| 105 | 645.86 | 116.59 | Shut-In(2) |
| 167 | 1249.75 | 117.37 | End Shut-In(2) |
| 168 | 1644.87 | 117.15 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 1240.00 | SMW, 5%M 95%W | 16.45 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64848

DST#: 1

Test Start: 2016.03.20 @ 03:29:18

GENERAL INFORMATION:

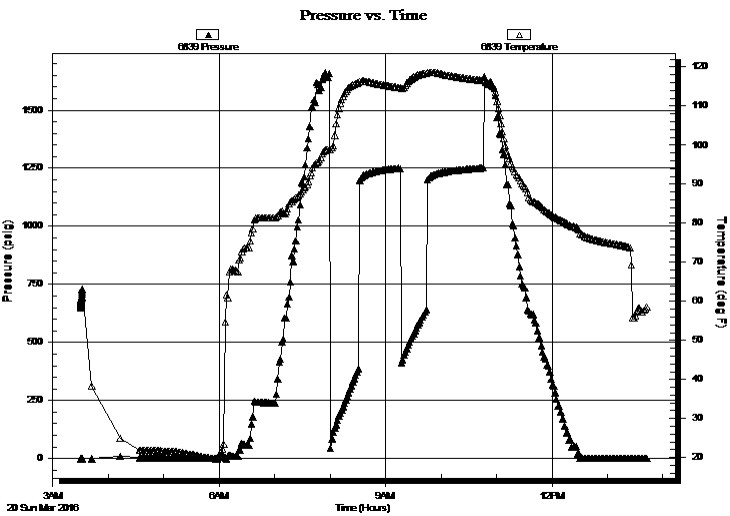
Formation: **LKC "D&E"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 07:59:48
 Tester: Brannan Lonsdale
 Time Test Ended: 13:42:18
 Unit No: 73
Interval: 3487.00 ft (KB) To 3526.00 ft (KB) (TVD)
 Reference Elevations: 2116.00 ft (KB)
 Total Depth: 3526.00 ft (KB) (TVD)
 2108.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6839

Outside

Press@RunDepth: psig @ 3492.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.20 End Date: 2016.03.20 Last Calib.: 2016.03.20
 Start Time: 03:29:56 End Time: 13:42:55 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF- BOB 4mins
 45- IS- Surface blow built very slow ly to .5" then died back to surface blow after 33mins
 30- FF- BOB 4mins
 60- FSI- Surface blow



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 1240.00 | SMW, 5%M 95%W | 16.45 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64848

DST#: 1

Test Start: 2016.03.20 @ 03:29:18

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:

55000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.80 in³

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 |
|--------------|---------------|---------------|
| 1240.00 | SMW, 5%M 95%W | 16.448 |

Total Length: 1240.00 ft Total Volume: 16.448 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

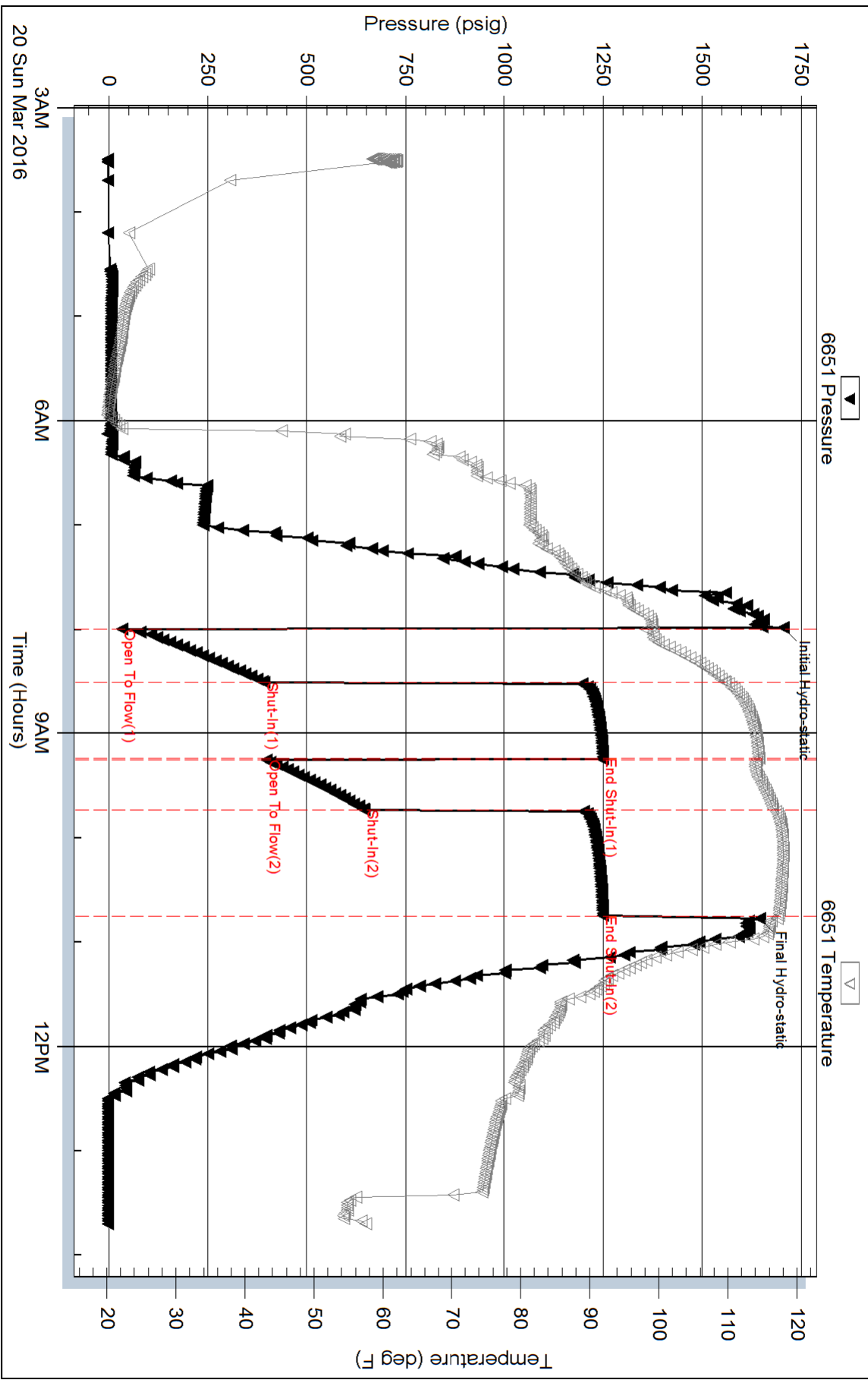
Serial #:

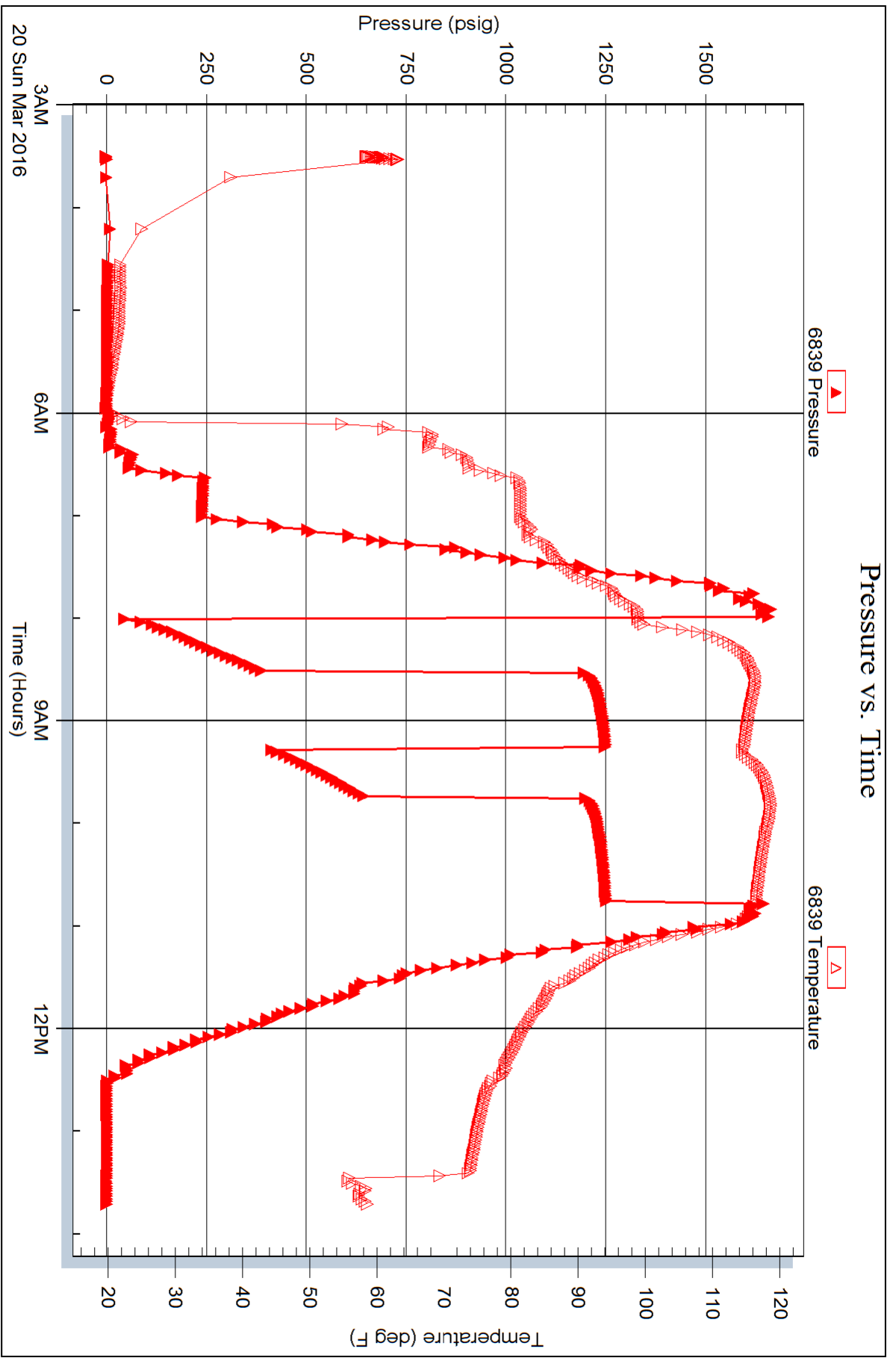
Laboratory Name:

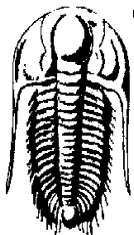
Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64849

DST#: 2

Test Start: 2016.03.21 @ 13:18:10

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:40:10

Time Test Ended: 19:27:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3782.00 ft (KB) To 3810.00 ft (KB) (TVD)

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3810.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651

Inside

Press @ Run Depth: 22.03 psig @ 3807.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.21

End Date:

2016.03.21

Last Calib.: 2016.03.21

Start Time: 13:18:11

End Time:

19:27:40

Time On Btm: 2016.03.21 @ 15:39:40

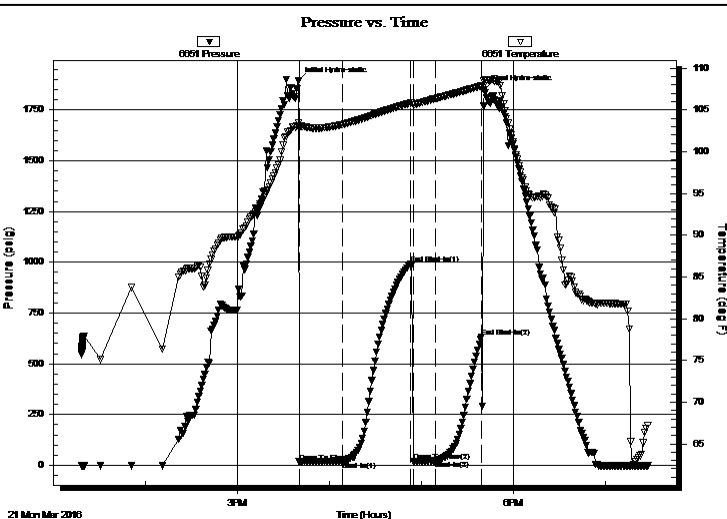
Time Off Btm: 2016.03.21 @ 17:41:10

TEST COMMENT: 30- IF- Surface blow built very slowly to .5"

45- IS- No blow

15- FF- No blow

30- FSI- No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1892.68 | 103.43 | Initial Hydro-static |
| 1 | 16.40 | 102.81 | Open To Flow (1) |
| 29 | 19.39 | 103.27 | Shut-In(1) |
| 73 | 993.23 | 105.82 | End Shut-In(1) |
| 75 | 21.18 | 105.62 | Open To Flow (2) |
| 90 | 22.03 | 106.35 | Shut-In(2) |
| 120 | 632.78 | 107.87 | End Shut-In(2) |
| 122 | 1850.31 | 108.66 | Final Hydro-static |

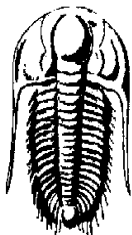
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00 | SWM w/ oil spots, 10%W 90%M | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64849

DST#: 2

Test Start: 2016.03.21 @ 13:18:10

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:40:10

Time Test Ended: 19:27:40

Interval: **3782.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Total Depth: 3810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2116.00 ft (KB)

2108.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6839 Outside

Press @ Run Depth: psig @ 3807.00 ft (KB)

Start Date: 2016.03.21

End Date: 2016.03.21

Capacity: 8000.00 psig

Last Calib.: 2016.03.21

Start Time: 13:18:37

End Time: 19:28:06

Time On Btm:

Time Off Btm:

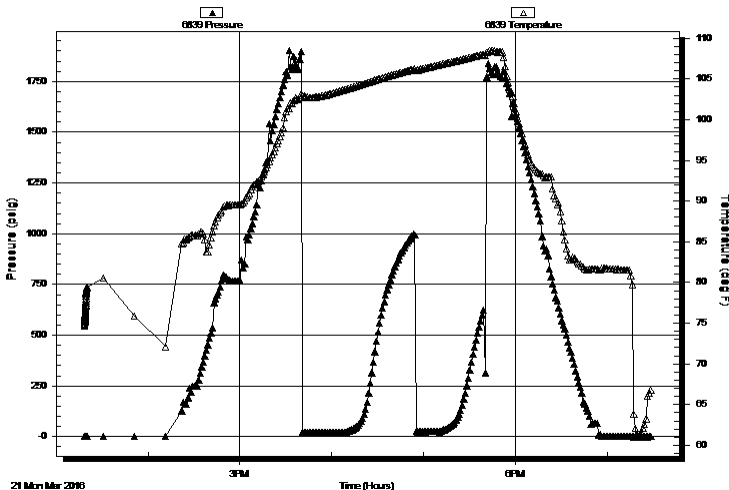
TEST COMMENT: 30- IF- Surface blow built very slowly to .5"

45- IS- No blow

15- FF- No blow

30- FSI- No blow

Pressure vs. Time



PRESSURE SUMMARY

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

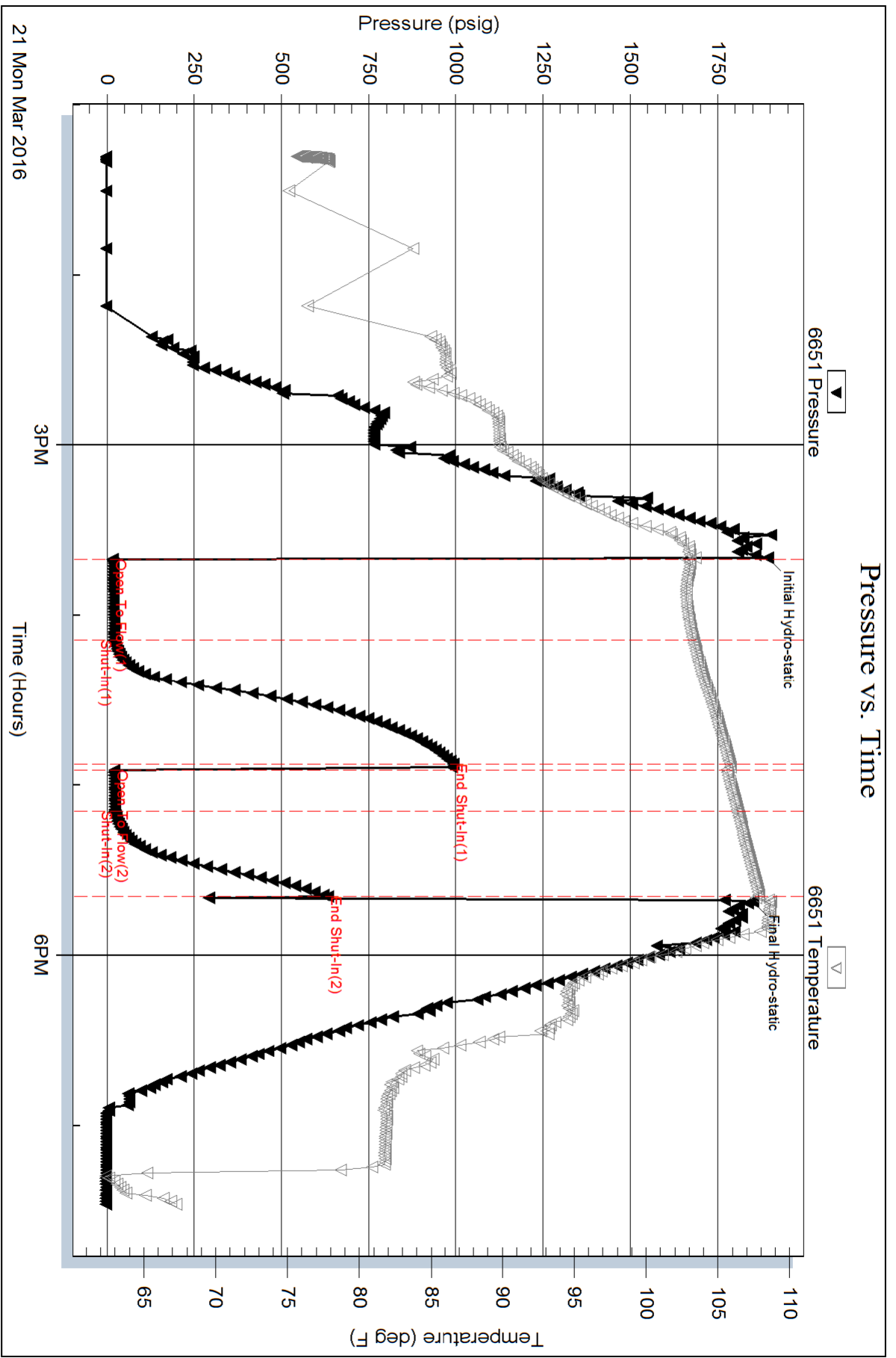
Recovery

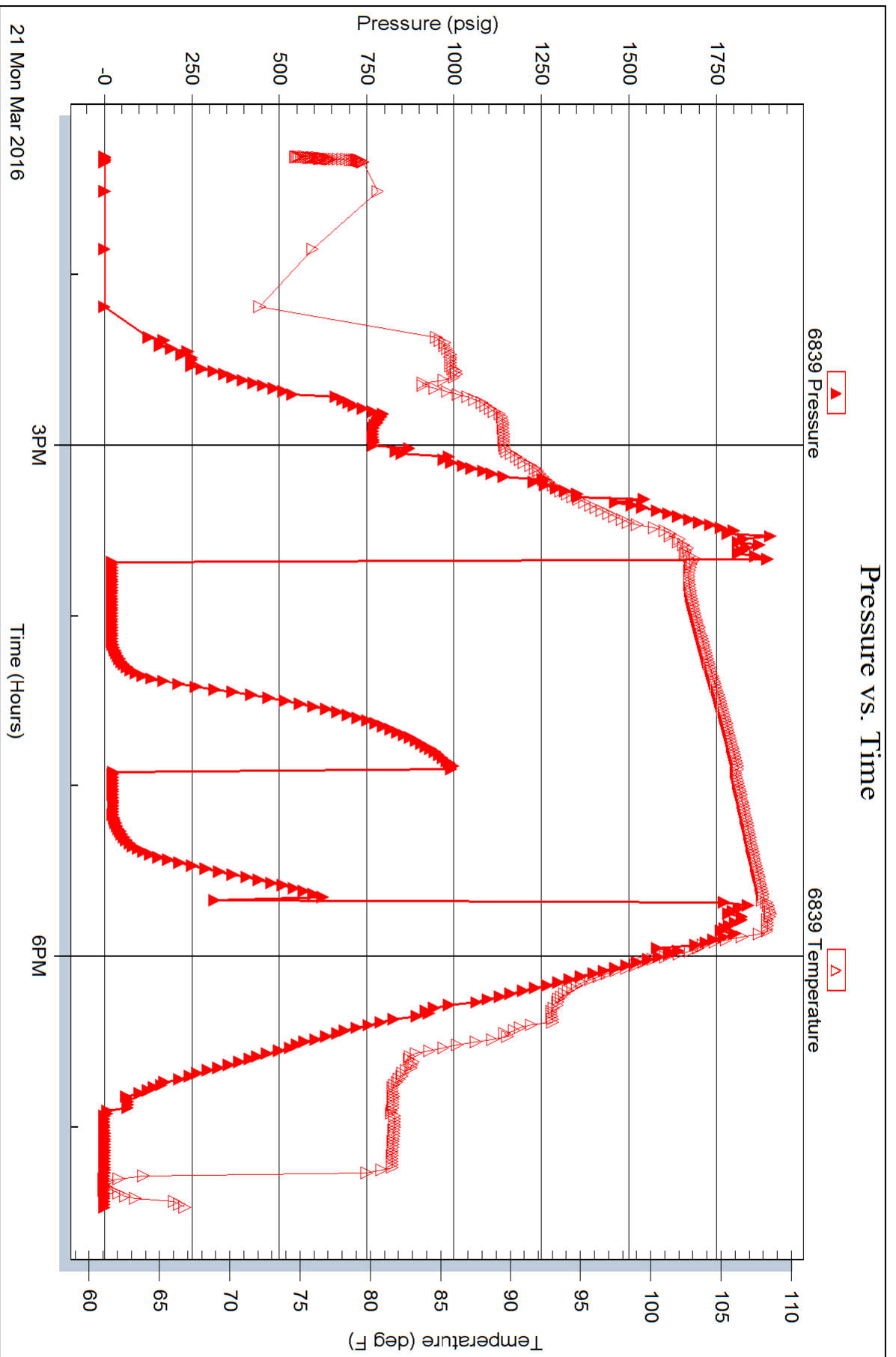
| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00 | SWM w/ oil spots, 10%W 90%M | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64850

DST#: 3

Test Start: 2016.03.22 @ 03:44:19

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:58:19

Time Test Ended: 11:18:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3812.00 ft (KB) To 3848.00 ft (KB) (TVD)

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3848.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Inside

Press @ Run Depth: 164.81 psig @ 3845.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.22 End Date: 2016.03.22

Last Calib.: 2016.03.22

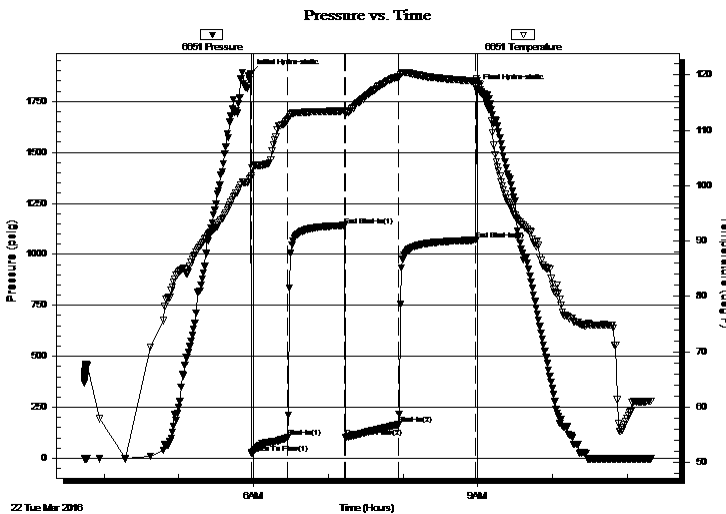
Start Time: 03:44:20 End Time: 11:18:49

Time On Btm: 2016.03.22 @ 05:57:49

Time Off Btm: 2016.03.22 @ 08:58:49

TEST COMMENT: 30- IF- BOB 17mins
45- IS- Surface blow built very slowly to 1"
45- FF- BOB 19mins
60- FS- Surface blow built very slowly to .5"

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1887.19 | 101.48 | Initial Hydro-static |
| 1 | 22.77 | 101.83 | Open To Flow (1) |
| 30 | 100.66 | 111.87 | Shut-In(1) |
| 75 | 1141.61 | 113.50 | End Shut-In(1) |
| 76 | 102.63 | 113.13 | Open To Flow (2) |
| 119 | 164.81 | 119.65 | Shut-In(2) |
| 181 | 1069.74 | 118.81 | End Shut-In(2) |
| 181 | 1813.66 | 119.38 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 188.00 | OCMW, 5%O 25%M 70%W | 1.54 |
| 63.00 | SOCM, 5%O 95%M | 0.89 |
| 110.00 | GO, 15%G 85%O | 1.56 |
| 0.00 | 1647' GIP | 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

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 64850

DST#: 3

Test Start: 2016.03.22 @ 03:44:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 9000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 35 deg API

Water Salinity: 42000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 188.00 | OCMW, 5%O 25%M 70%W | 1.536 |
| 63.00 | SOCM, 5%O 95%M | 0.893 |
| 110.00 | GO, 15%G 85%O | 1.559 |
| 0.00 | 1647' GIP | 0.000 |

Total Length: 361.00 ft Total Volume: 3.988 bbl

Num Fluid Samples: 0

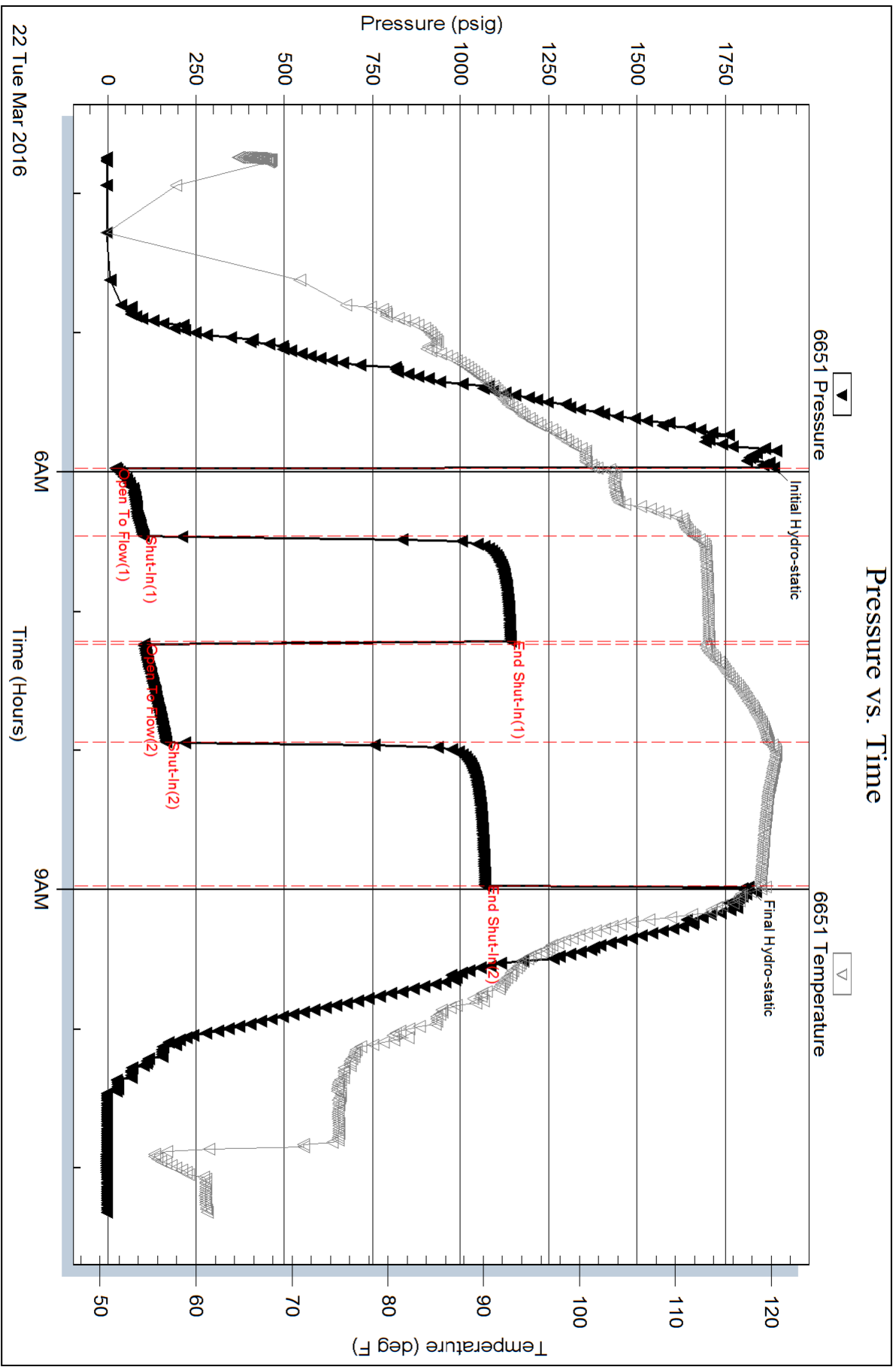
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 58076

DST#: 4

Test Start: 2016.03.22 @ 18:49:49

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:32:19

Time Test Ended: 02:17:19

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 3845.00 ft (KB) To 3857.00 ft (KB) (TVD)

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Inside

Press @ RunDepth: 35.59 psig @ 3846.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.22

End Date:

2016.03.23

Last Calib.:

2016.03.23

Start Time: 18:49:50

End Time:

02:17:19

Time On Btm:

2016.03.22 @ 21:31:49

Time Off Btm:

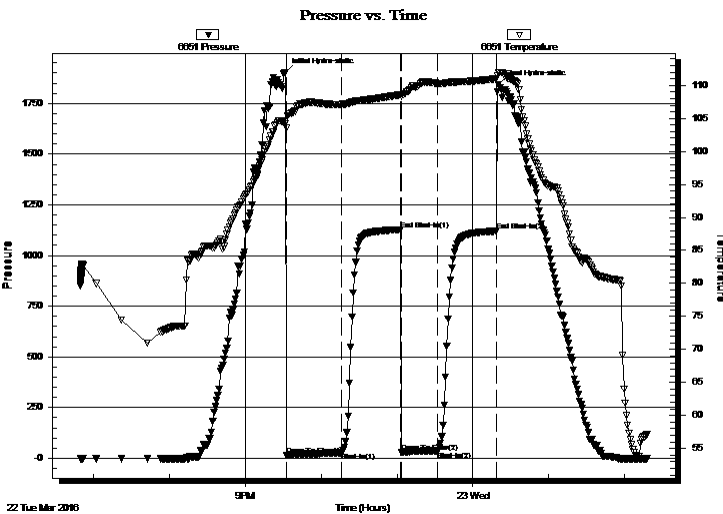
2016.03.23 @ 00:20:19

TEST COMMENT: 45- IF- Built very slow ly to 1"

45- ISI- No blow

30- FF- No blow

45- FSI- No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1903.31 | 104.23 | Initial Hydro-static |
| 1 | 15.49 | 103.51 | Open To Flow (1) |
| 45 | 26.76 | 107.12 | Shut-In(1) |
| 91 | 1128.04 | 108.55 | End Shut-In(1) |
| 92 | 29.72 | 108.37 | Open To Flow (2) |
| 120 | 35.59 | 110.29 | Shut-In(2) |
| 167 | 1120.01 | 111.00 | End Shut-In(2) |
| 169 | 1843.39 | 111.91 | Final Hydro-static |

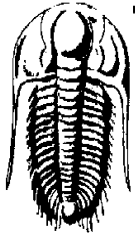
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00 | WM w / oil spots, 35%W 65%M | 0.07 |
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| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 58076

DST#: 4

Test Start: 2016.03.22 @ 18:49:49

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:32:19

Time Test Ended: 02:17:19

Interval: 3845.00 ft (KB) To 3857.00 ft (KB) (TVD)

Total Depth: 3862.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2116.00 ft (KB)

2108.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6839 Outside

Press @ Run Depth: psig @ 3846.00 ft (KB)

Start Date: 2016.03.22

End Date:

2016.03.23

Start Time: 18:49:51

End Time:

02:17:20

Capacity: 8000.00 psig

Last Calib.:

2016.03.23

Time On Btm:

Time Off Btm:

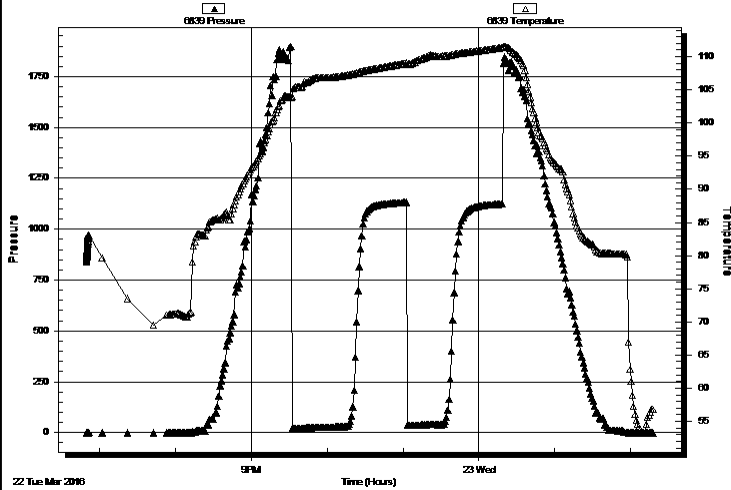
TEST COMMENT: 45- IF- Built very slow ly to 1"

45- ISI- No blow

30- FF- No blow

45- FSI- No blow

Pressure vs. Time



PRESSURE SUMMARY

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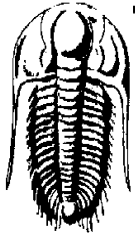
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00 | WM w / oil spots, 35%W 65%M | 0.07 |
| | | |
| | | |
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Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 58076

DST#: 4

Test Start: 2016.03.22 @ 18:49:49

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:32:19

Time Test Ended: 02:17:19

Interval: 3845.00 ft (KB) To 3857.00 ft (KB) (TVD)

Total Depth: 3862.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2116.00 ft (KB)

2108.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8959 Below (Straddle)

Press@RunDepth: psig @ 3859.00 ft (KB)

Start Date: 2016.03.22 End Date: 2016.03.23

Start Time: 19:18:30 End Time: 02:17:29

Capacity: 8000.00 psig

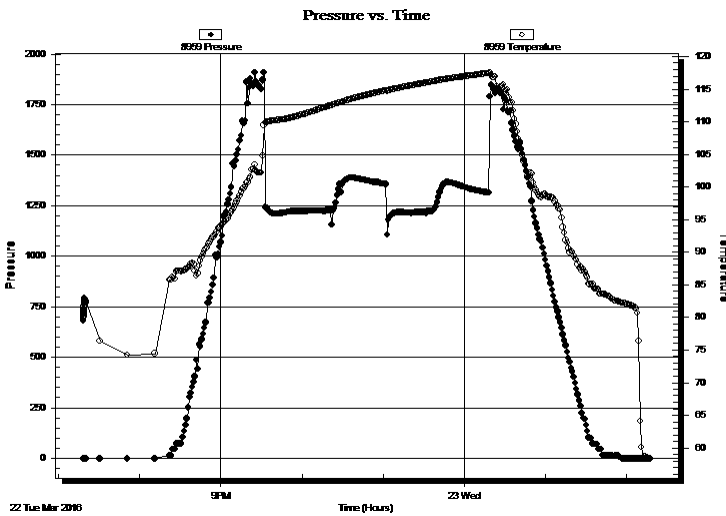
Last Calib.: 2016.03.23

Time On Btm:

Time Off Btm:

TEST COMMENT: 45- IF- Built very slow ly to 1"
45- IS- No blow
30- FF- No blow
45- FSI- No blow

PRESSURE SUMMARY



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

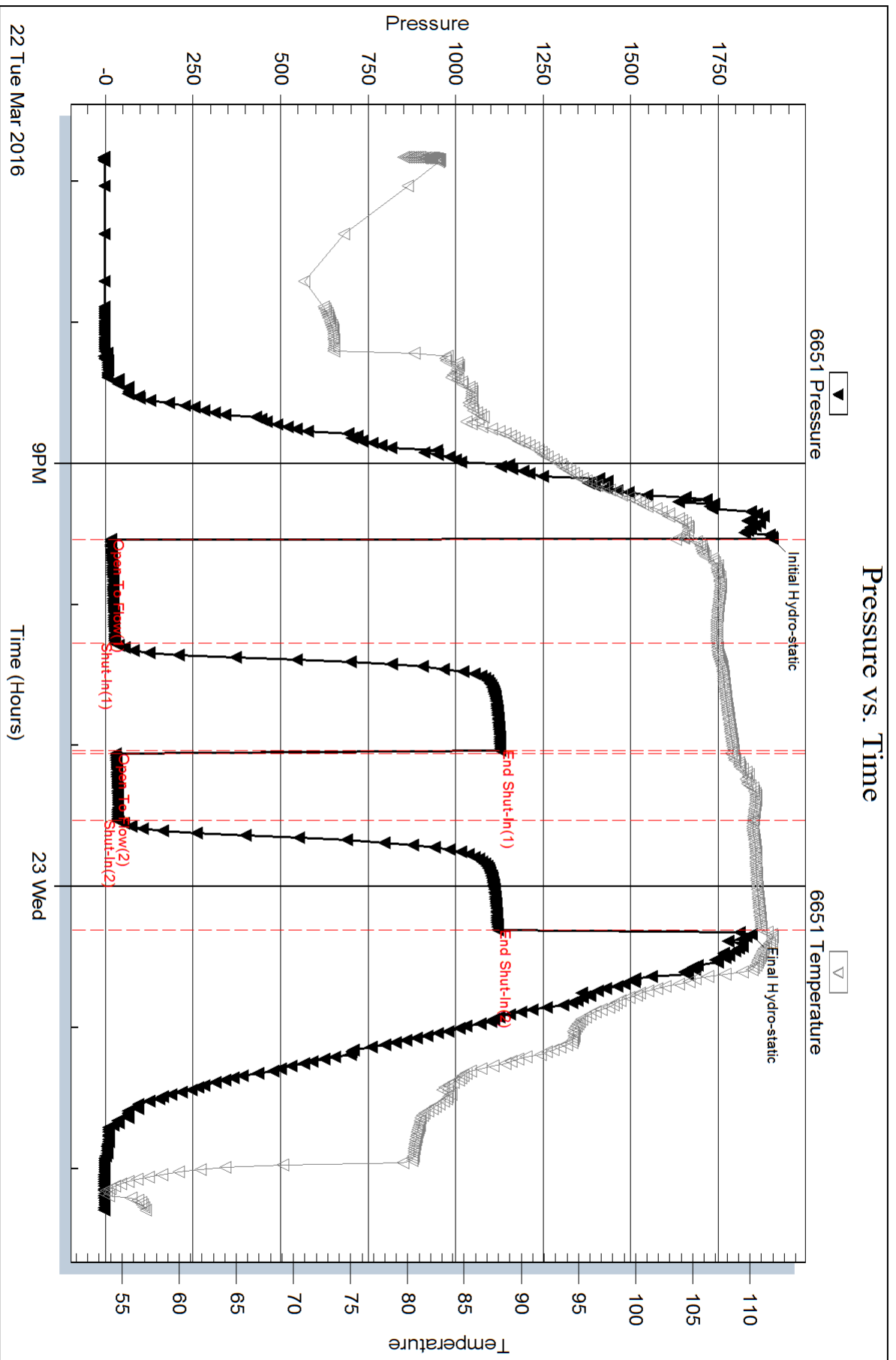
| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00 | WM w / oil spots, 35%W 65%M | 0.07 |
| | | |
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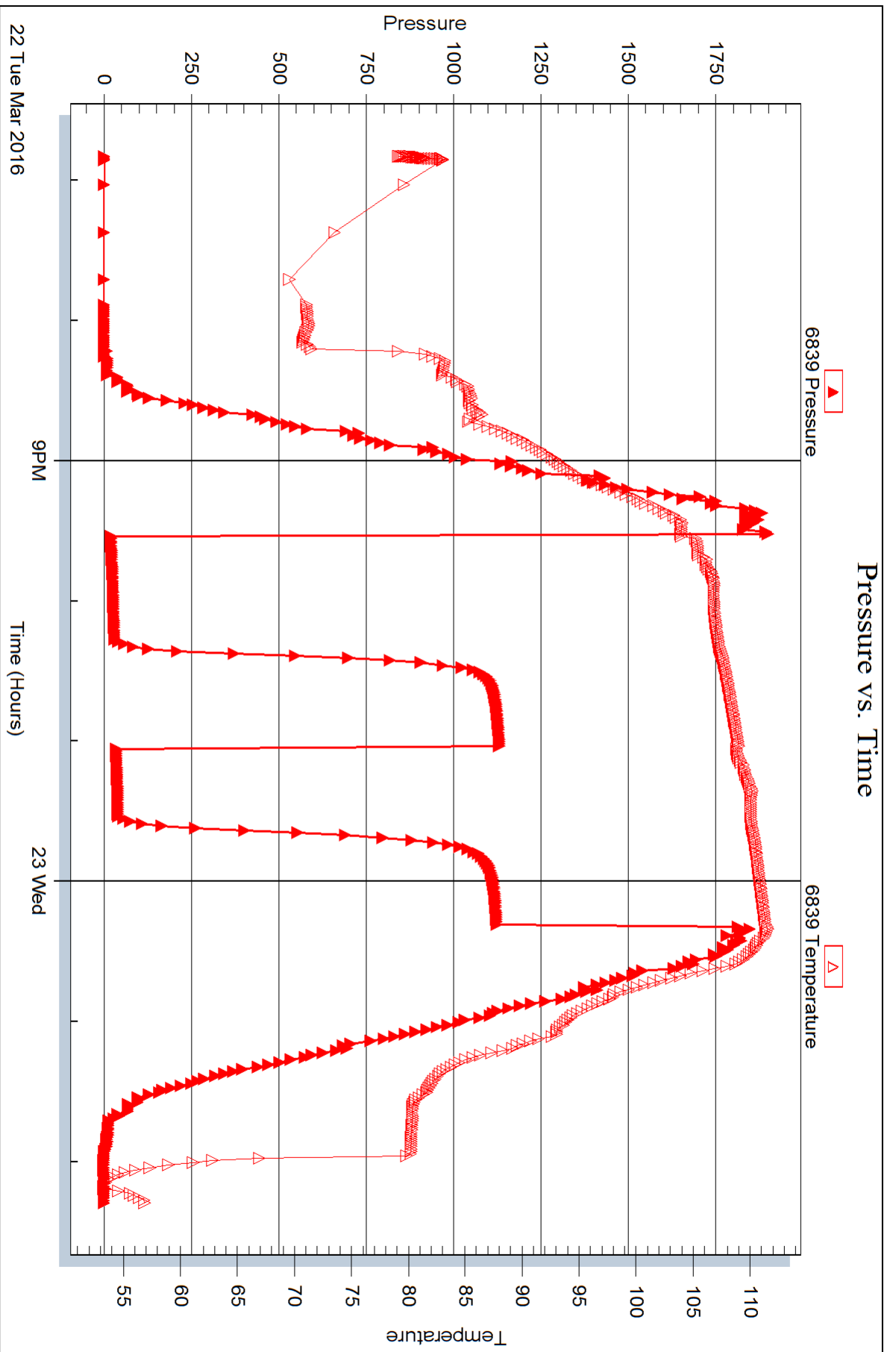
Gas Rates

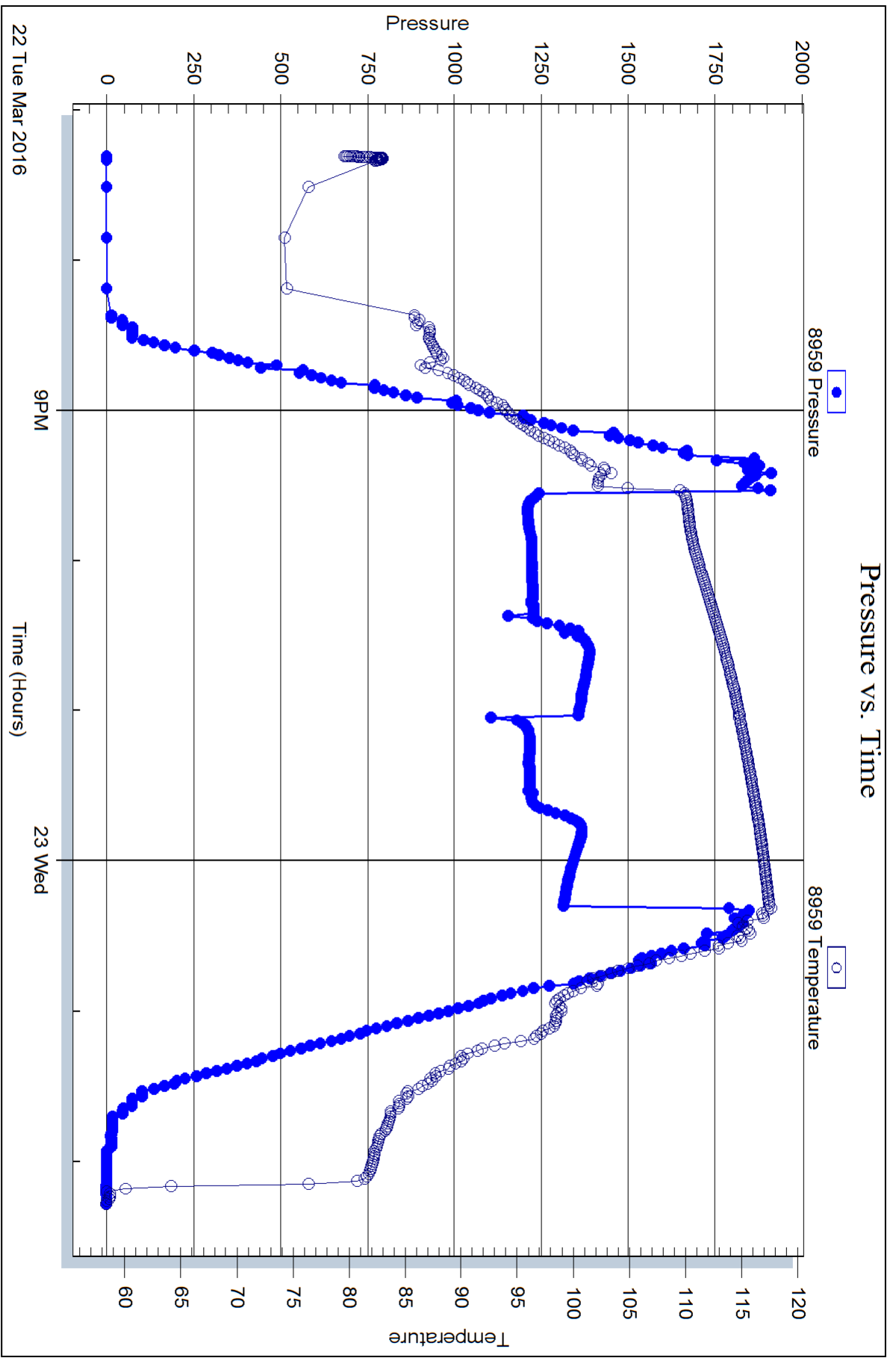
| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |

* Recovery from multiple tests

Pressure vs. Time









TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 58077

DST#: 5

Test Start: 2016.03.23 @ 07:34:35

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:00:35

Time Test Ended: 15:19:35

Interval: 3845.00 ft (KB) To 3862.00 ft (KB) (TVD)

Total Depth: 3862.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Reference Elevations: 2116.00 ft (KB)

2108.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6651

Inside

Press@RunDepth: 194.38 psig @ 3859.00 ft (KB)

Start Date: 2016.03.23

End Date:

2016.03.23

Start Time: 07:34:36

End Time:

15:19:35

Capacity: 8000.00 psig

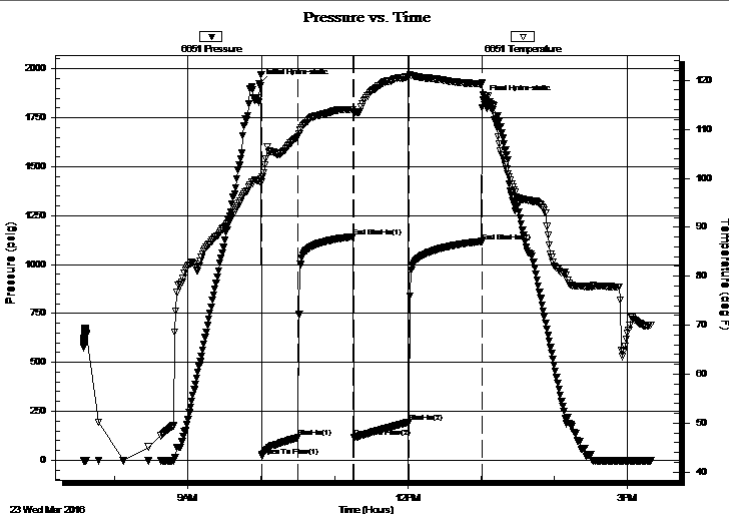
Last Calib.: 2016.03.23

Time On Btm: 2016.03.23 @ 09:58:35

Time Off Btm: 2016.03.23 @ 13:02:05

TEST COMMENT: 30- IF- BOB 19mins
45- IS- No blow
45- FF- BOB 21mins
60- FS- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1926.29 | 99.41 | Initial Hydro-static |
| 2 | 22.31 | 99.24 | Open To Flow (1) |
| 32 | 115.48 | 108.53 | Shut-In(1) |
| 77 | 1142.28 | 113.96 | End Shut-In(1) |
| 78 | 116.13 | 113.52 | Open To Flow (2) |
| 123 | 194.38 | 120.78 | Shut-In(2) |
| 182 | 1117.94 | 119.22 | End Shut-In(2) |
| 184 | 1843.47 | 117.05 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 251.00 | MW, 20%M 80%W | 2.43 |
| 126.00 | WOCM, 10%O 30%W 60%M | 1.79 |
| 31.00 | SWMCO, 5%W 10%M 85%O | 0.44 |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.
PO Box 560
Eureka, KS 67045
ATTN: Brad Rine

King #1-12

Job Ticket: 58077

DST#: 5

Test Start: 2016.03.23 @ 07:34:35

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 9000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 251.00 | MW, 20%M 80%W | 2.429 |
| 126.00 | WOCM, 10%O 30%W 60%M | 1.786 |
| 31.00 | SWMCO, 5%W 10%M 85%O | 0.439 |

Total Length: 408.00 ft Total Volume: 4.654 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

