

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
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 Recompletion Date _____ 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 TCores aken <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: | |
|----------------|-------|---------|------------|--|



DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan KS

Start Date: 2015.12.04 @ 07:00:00

End Date: 2015.12.04 @ 15:52:19

Job Ticket #: 65253 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.12.08 @ 14:38:59

Suemaaur Expl. & Prod. LLC
3-7s-28w Sheridan KS
Campbell #1
DST # 1
LKC " C "
2015.12.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65253

DST#: 1

ATTN: Bob Peterson

Test Start: 2015.12.04 @ 07:00:00

GENERAL INFORMATION:

Formation: **LKC " C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:25:40

Time Test Ended: 15:52:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 78

Interval: 3955.00 ft (KB) To 3980.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 3980.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 221.99 psig @ 3956.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.04

End Date:

2015.12.04

Last Calib.:

2015.12.04

Start Time: 07:00:01

End Time:

15:52:19

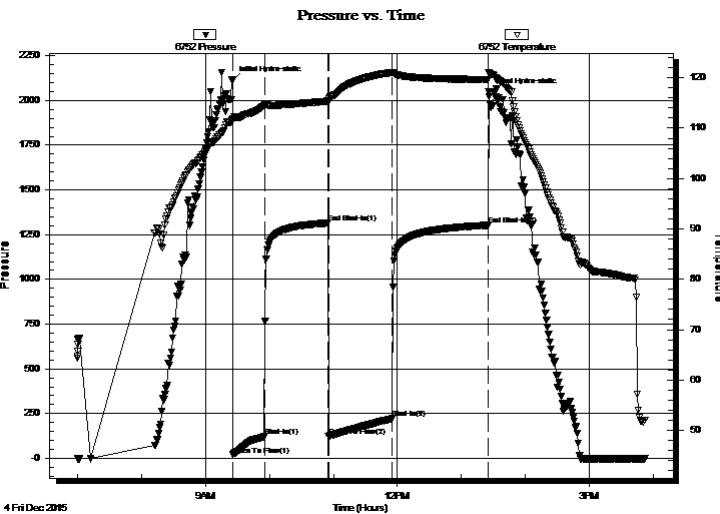
Time On Btm:

2015.12.04 @ 09:25:30

Time Off Btm:

2015.12.04 @ 13:25:39

TEST COMMENT: 30 IF - Surface blow built to BoB @ 24 mins
60 ISI - No return
60 FF - Surface blow started @ 1 min built to BoB @ 27 mins
90 FSI - No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2110.73 | 111.92 | Initial Hydro-static |
| 1 | 19.36 | 111.54 | Open To Flow (1) |
| 30 | 121.74 | 114.56 | Shut-In(1) |
| 90 | 1315.08 | 115.35 | End Shut-In(1) |
| 90 | 124.54 | 115.23 | Open To Flow (2) |
| 150 | 221.99 | 121.07 | Shut-In(2) |
| 240 | 1302.18 | 119.67 | End Shut-In(2) |
| 241 | 2045.58 | 120.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 62.00 | MCW - 25%M - 75%W | 0.30 |
| 313.00 | MCW - 5%M - 95%W | 3.26 |
| 70.00 | MCW - 20%M - 80%W w / oil odor | 0.98 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65253

DST#: 1

ATTN: Bob Peterson

Test Start: 2015.12.04 @ 07:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3772.00 ft | Diameter: 3.80 inches | Volume: 52.91 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 186.00 ft | Diameter: 2.25 inches | Volume: 0.91 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 53.82 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 3955.00 ft | | | Final 62000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 25.00 ft | | | |
| Tool Length: | 52.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3929.00 | |
| Shut In Tool | 5.00 | | | 3934.00 | |
| Hydraulic tool | 5.00 | | | 3939.00 | |
| Jars | 5.00 | | | 3944.00 | |
| Safety Joint | 2.00 | | | 3946.00 | |
| Packer | 5.00 | | | 3951.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3955.00 | |
| Stubb | 1.00 | | | 3956.00 | |
| Recorder | 0.00 | 6752 | Inside | 3956.00 | |
| Recorder | 0.00 | 8322 | Outside | 3956.00 | |
| Perforations | 21.00 | | | 3977.00 | |
| Bullnose | 3.00 | | | 3980.00 | 25.00 Bottom Packers & Anchor |

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65253

DST#: 1

ATTN: Bob Peterson

Test Start: 2015.12.04 @ 07:00:00

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:

13000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|--------------------------------|----------------|
| 62.00 | MCW - 25%M - 75%W | 0.305 |
| 313.00 | MCW - 5%M - 95%W | 3.261 |
| 70.00 | MCW - 20%M - 80%W w / oil odor | 0.982 |

Total Length: 445.00 ft Total Volume: 4.548 bbl

Num Fluid Samples: 0

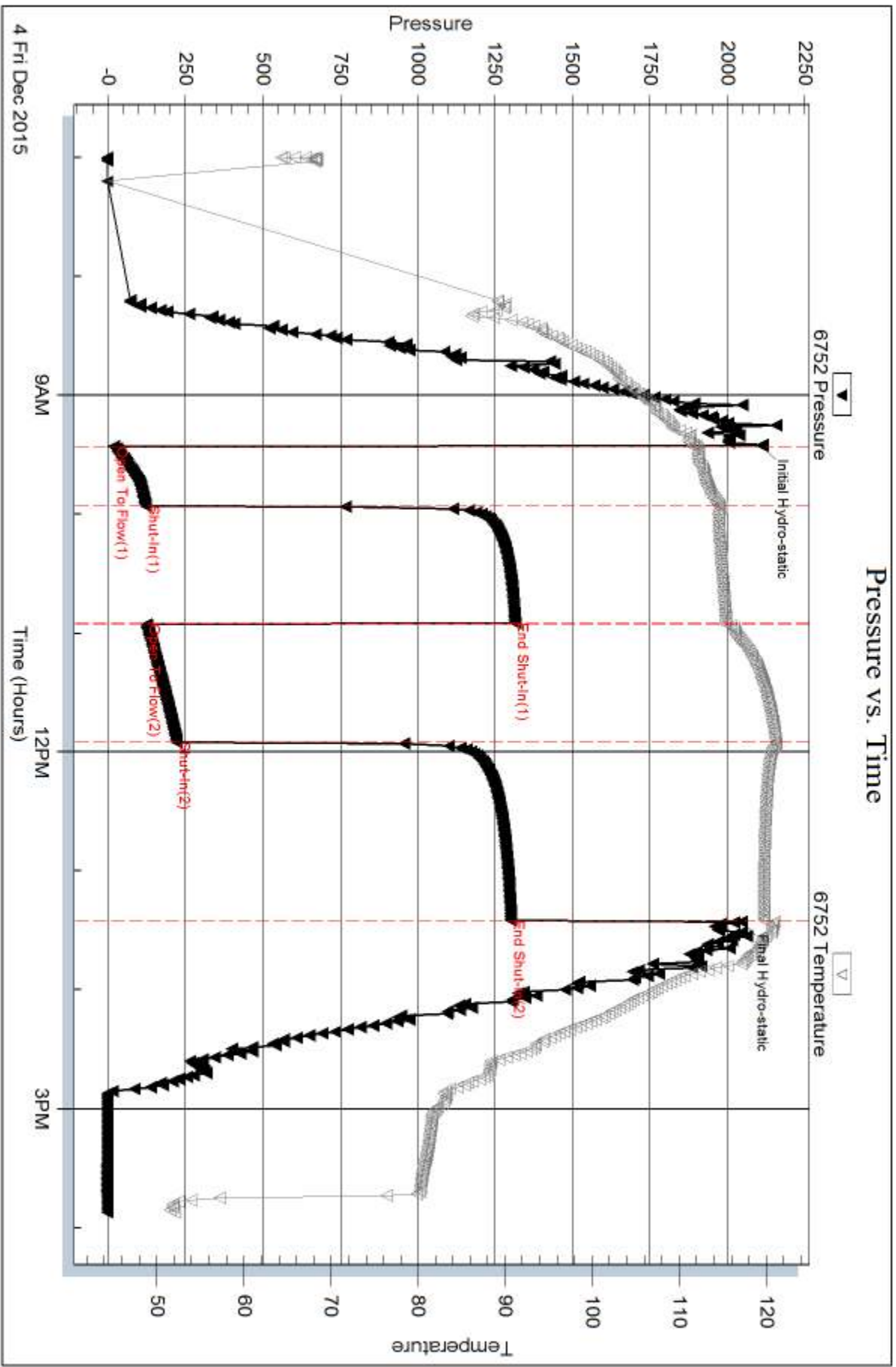
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .670 @ 54 DEG F

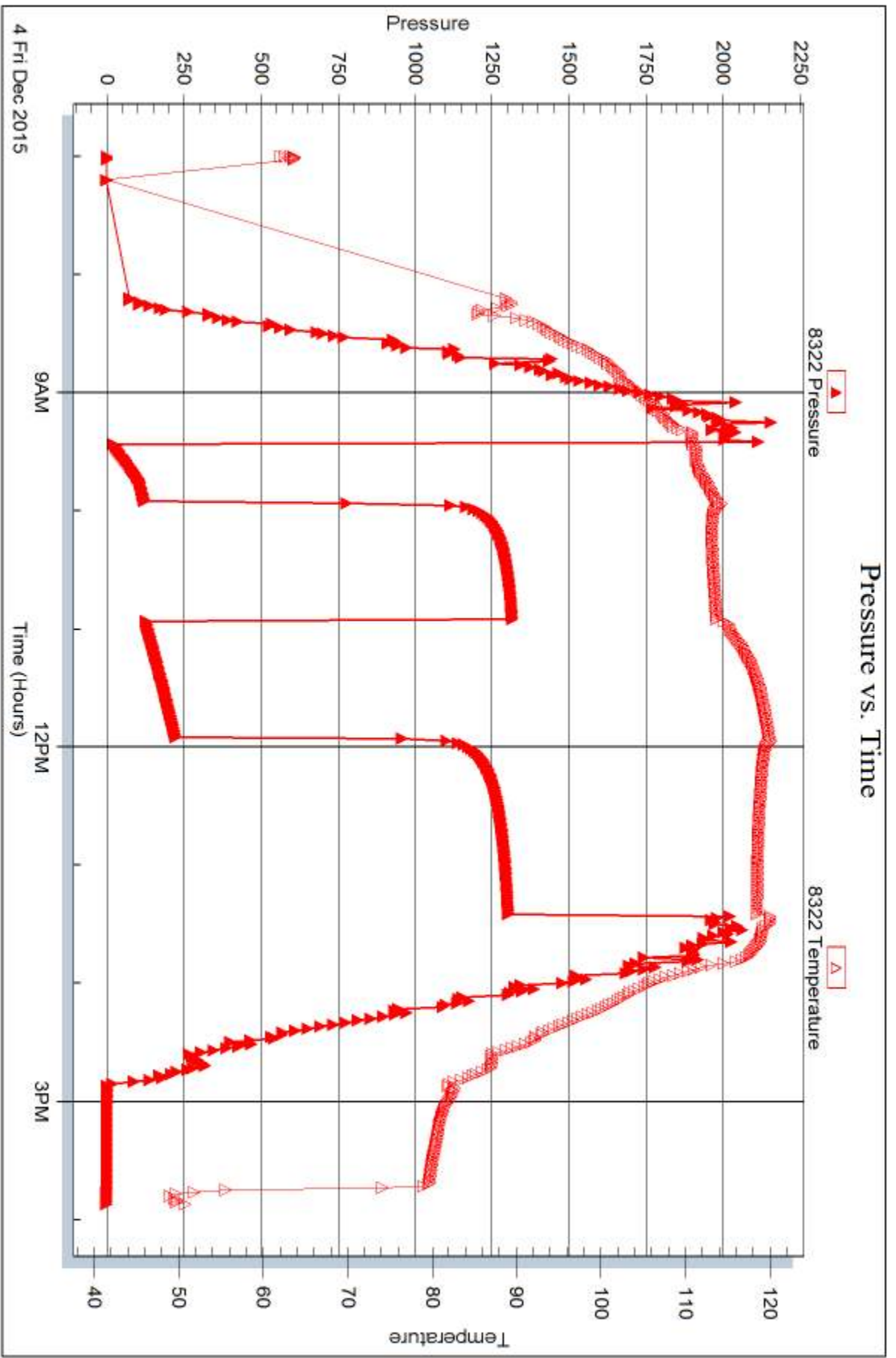


Serial #: 8322

Outside Suenor Expl. & Prod. LLC

Campbell #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65253

Printed: 2015.12.08 @ 14:39:01



DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan KS

Start Date: 2015.12.05 @ 10:12:00

End Date: 2015.12.05 @ 17:58:00

Job Ticket #: 65254 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.12.08 @ 14:38:35



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65254

DST#: 2

ATTN: Bob Peterson

Test Start: 2015.12.05 @ 10:12:00

GENERAL INFORMATION:

Formation: **LKC " J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:16:40

Time Test Ended: 17:58:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4074.00 ft (KB) To 4110.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 24.42 psig @ 4075.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.05

End Date:

2015.12.05

Last Calib.:

2015.12.05

Start Time:

10:12:01

End Time:

17:58:00

Time On Btm:

2015.12.05 @ 12:16:30

Time Off Btm:

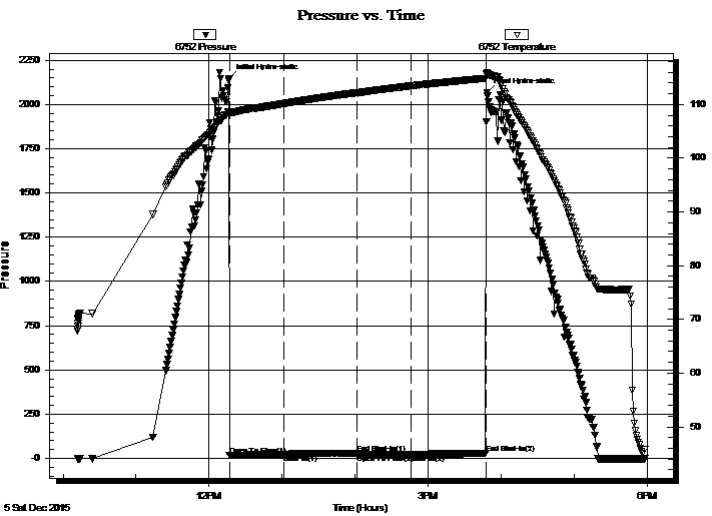
2015.12.05 @ 15:48:20

TEST COMMENT: 45 IF - Surface blow built to 1"

60 ISI - No return

45 FF - No blow

60 FSI - No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2146.58 | 108.73 | Initial Hydro-static |
| 1 | 15.83 | 108.37 | Open To Flow (1) |
| 45 | 24.23 | 110.19 | Shut-In(1) |
| 105 | 30.31 | 112.19 | End Shut-In(1) |
| 105 | 25.59 | 112.20 | Open To Flow (2) |
| 150 | 24.42 | 113.46 | Shut-In(2) |
| 211 | 27.81 | 114.88 | End Shut-In(2) |
| 212 | 2066.20 | 115.97 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 4.00 | Mud 100% | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65254

DST#: 2

ATTN: Bob Peterson

Test Start: 2015.12.05 @ 10:12:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 3867.00 ft | Diameter: 3.80 inches | Volume: 54.24 bbl | Tool Weight: | 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: | 25000.00 lb |
| Drill Collar: | Length: 186.00 ft | Diameter: 2.25 inches | Volume: 0.91 bbl | Weight to Pull Loose: | 65000.00 lb |
| | | | <u>Total Volume: 55.15 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial | 60000.00 lb |
| Depth to Top Packer: | 4074.00 ft | | | Final | 60000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 36.00 ft | | | | |
| Tool Length: | 63.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4048.00 | |
| Shut In Tool | 5.00 | | | 4053.00 | |
| Hydraulic tool | 5.00 | | | 4058.00 | |
| Jars | 5.00 | | | 4063.00 | |
| Safety Joint | 2.00 | | | 4065.00 | |
| Packer | 5.00 | | | 4070.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4074.00 | |
| Stubb | 1.00 | | | 4075.00 | |
| Recorder | 0.00 | 6752 | Inside | 4075.00 | |
| Recorder | 0.00 | 8322 | Outside | 4075.00 | |
| Perforations | 32.00 | | | 4107.00 | |
| Bullnose | 3.00 | | | 4110.00 | 36.00 Bottom Packers & Anchor |

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65254

DST#: 2

ATTN: Bob Peterson

Test Start: 2015.12.05 @ 10:12:00

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: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 4.00 | Mud 100% | 0.020 |

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

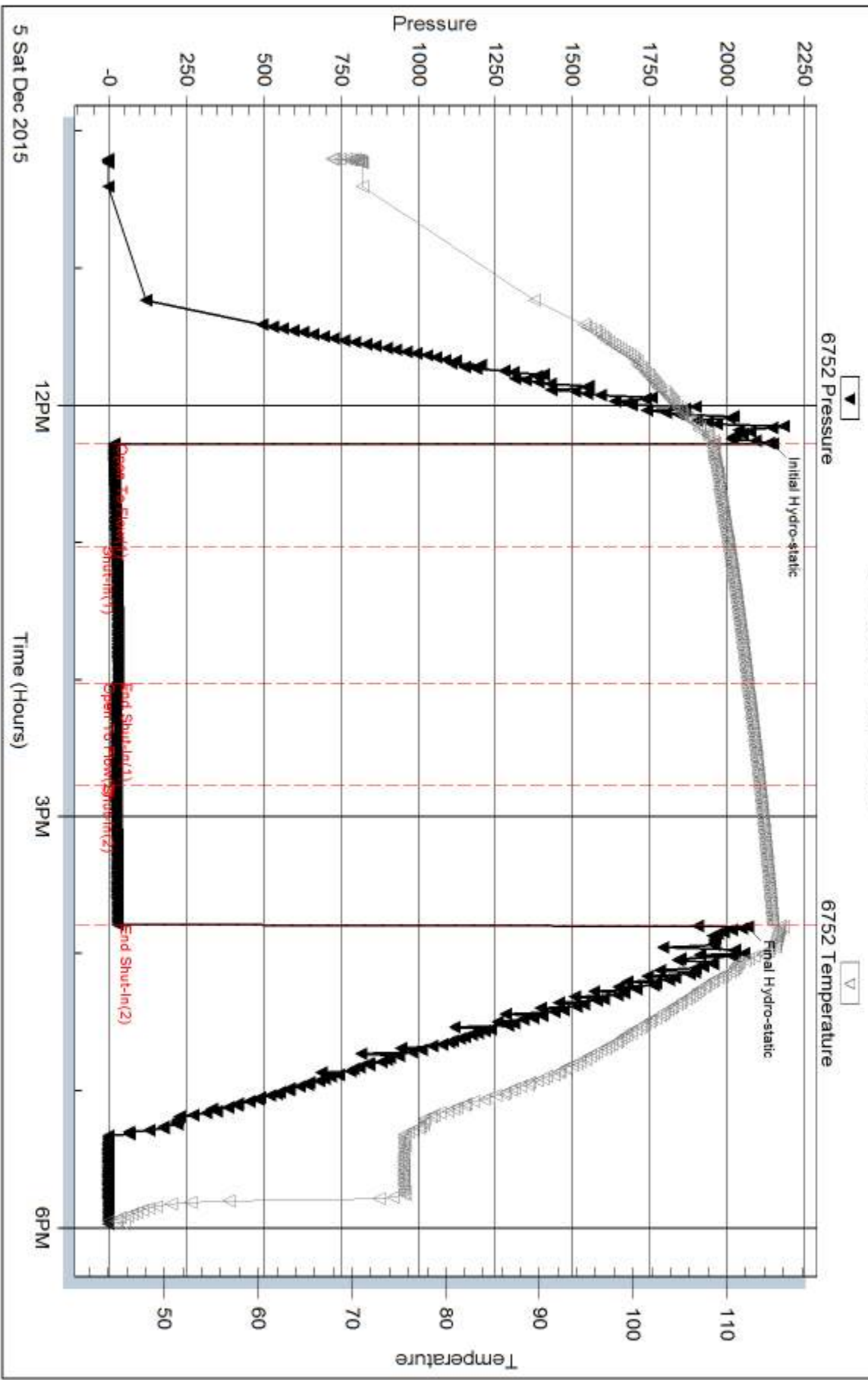
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

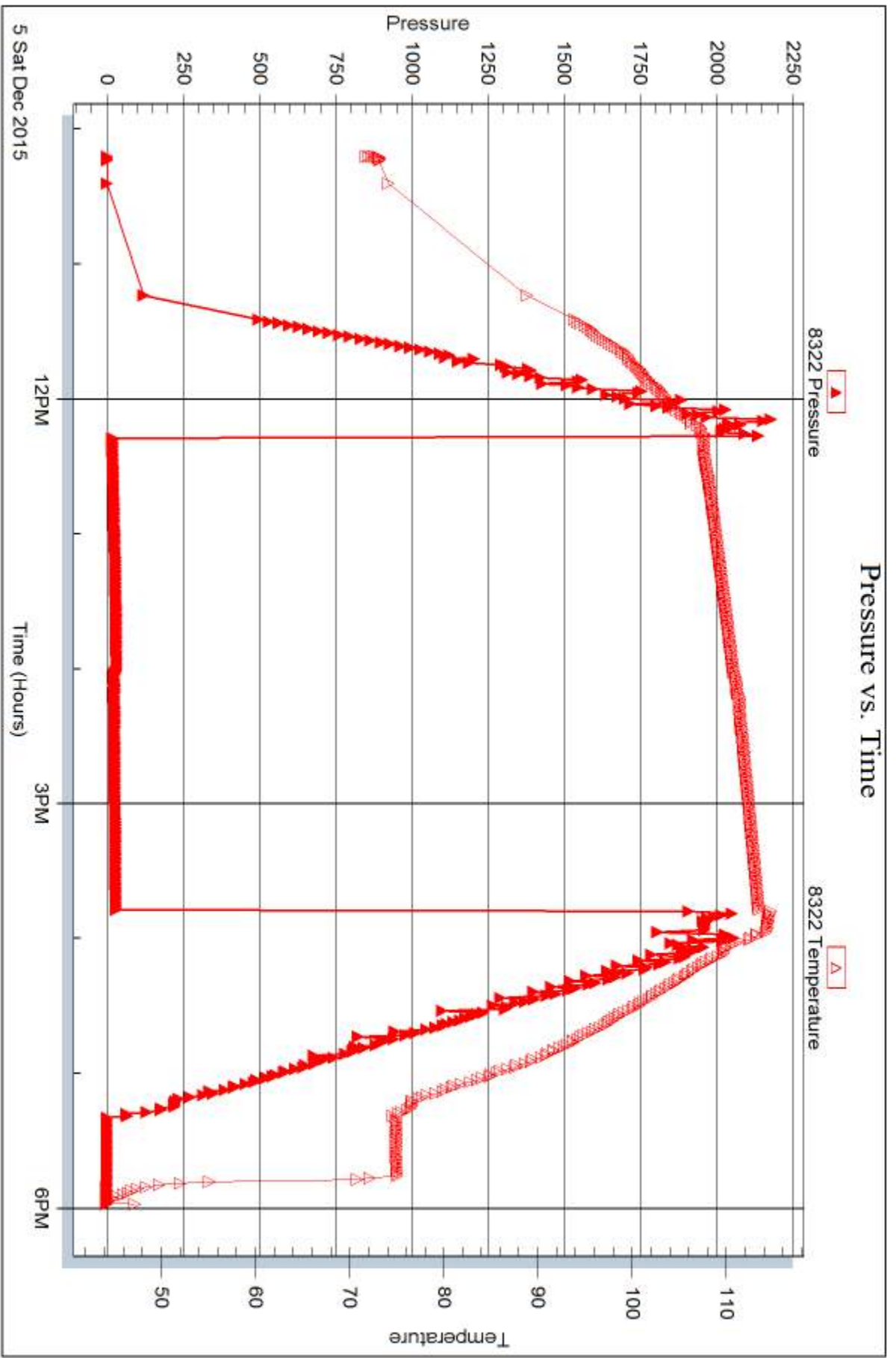


Serial #: 8322

Outside Suenor Expl. & Prod. LLC

Campbell #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan KS

Start Date: 2015.12.06 @ 04:13:00

End Date: 2015.12.06 @ 12:06:20

Job Ticket #: 65255 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.12.08 @ 14:38:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65255

DST#: 3

ATTN: Bob Peterson

Test Start: 2015.12.06 @ 04:13:00

GENERAL INFORMATION:

Formation: **LKC " K - L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:25:10

Time Test Ended: 12:06:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4110.00 ft (KB) To 4152.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 4152.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 18.29 psig @ 4111.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.06

End Date:

2015.12.06

Last Calib.:

2015.12.06

Start Time: 04:13:01

End Time:

12:06:20

Time On Btm:

2015.12.06 @ 06:24:40

Time Off Btm:

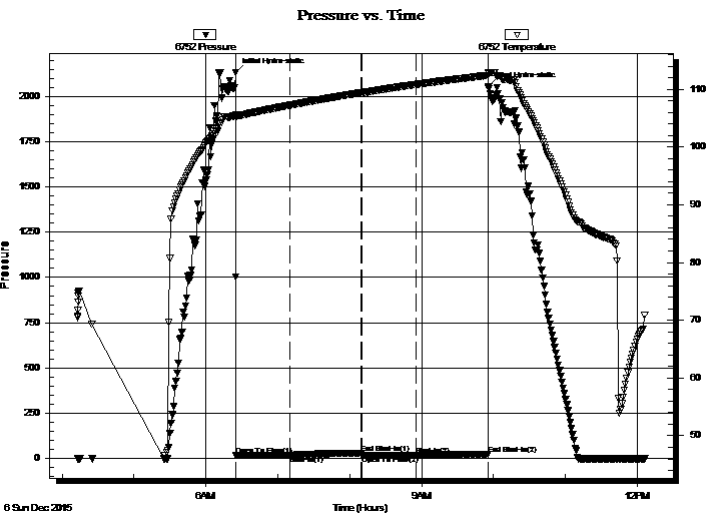
2015.12.06 @ 09:55:39

TEST COMMENT: 45 IF - Surface blow built to 1/2" died back to 1/4"

60 ISI - No return

45 FF - No blow

60 FSI - No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2133.41 | 105.50 | Initial Hydro-static |
| 1 | 15.13 | 105.22 | Open To Flow (1) |
| 46 | 16.97 | 107.24 | Shut-In(1) |
| 105 | 28.82 | 109.40 | End Shut-In(1) |
| 106 | 17.12 | 109.40 | Open To Flow (2) |
| 151 | 18.29 | 110.81 | Shut-In(2) |
| 211 | 21.40 | 112.40 | End Shut-In(2) |
| 211 | 2056.73 | 112.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 2.00 | Mud w / oil spots 100%M | 0.01 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65255

DST#: 3

ATTN: Bob Peterson

Test Start: 2015.12.06 @ 04:13:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3928.00 ft | Diameter: 3.80 inches | Volume: 55.10 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 186.00 ft | Diameter: 2.25 inches | Volume: 0.91 bbl | Weight to Pull Loose: 68000.00 lb |
| | | | <u>Total Volume: 56.01 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4110.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 42.00 ft | | | |
| Tool Length: | 69.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4084.00 | |
| Shut In Tool | 5.00 | | | 4089.00 | |
| Hydraulic tool | 5.00 | | | 4094.00 | |
| Jars | 5.00 | | | 4099.00 | |
| Safety Joint | 2.00 | | | 4101.00 | |
| Packer | 5.00 | | | 4106.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4110.00 | |
| Stubb | 1.00 | | | 4111.00 | |
| Recorder | 0.00 | 6752 | Inside | 4111.00 | |
| Recorder | 0.00 | 8322 | Outside | 4111.00 | |
| Perforations | 38.00 | | | 4149.00 | |
| Bullnose | 3.00 | | | 4152.00 | 42.00 Bottom Packers & Anchor |

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65255

DST#: 3

ATTN: Bob Peterson

Test Start: 2015.12.06 @ 04:13:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------------------|----------------|
| 2.00 | Mud w / oil spots 100%M | 0.010 |

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

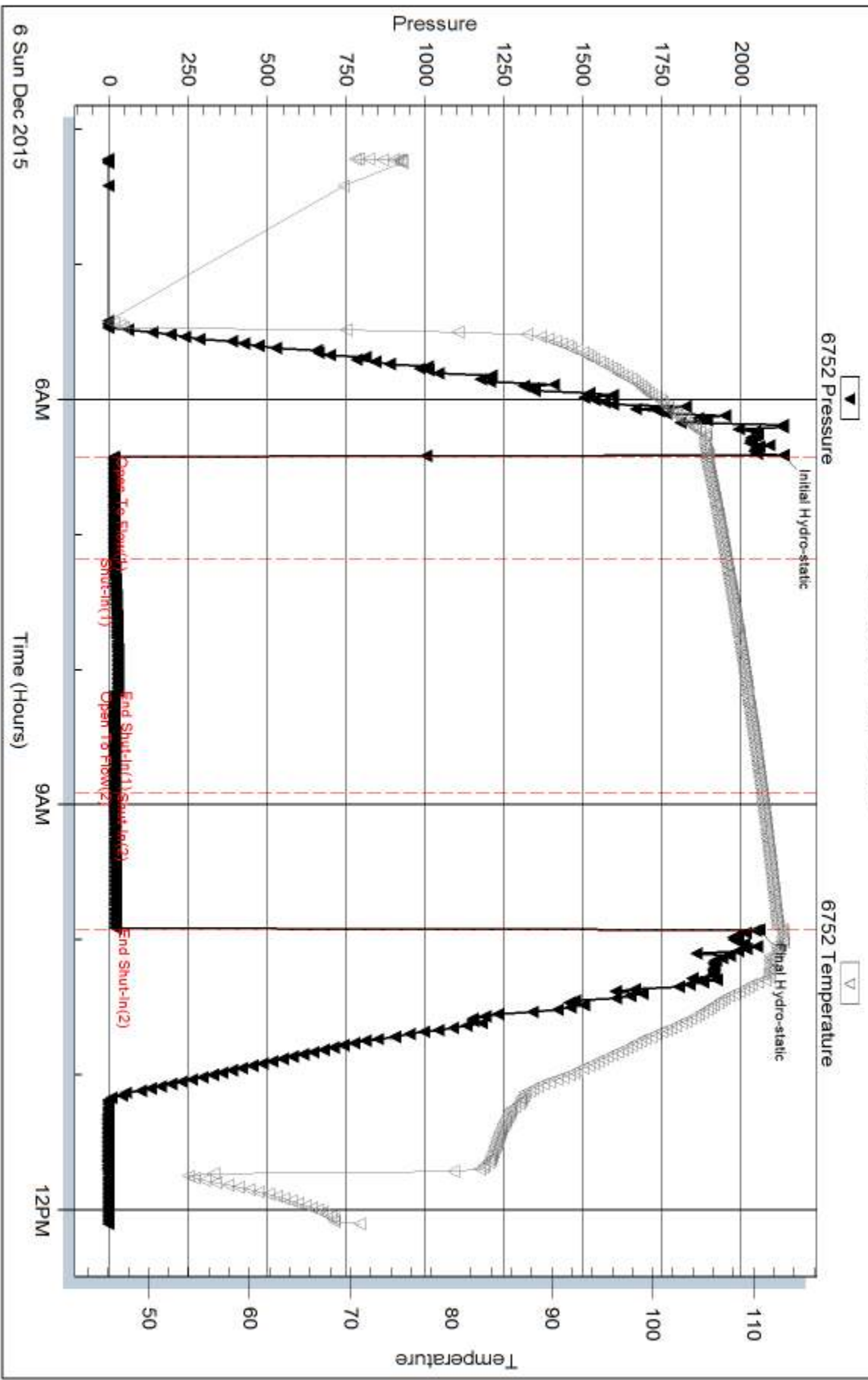
Serial #:

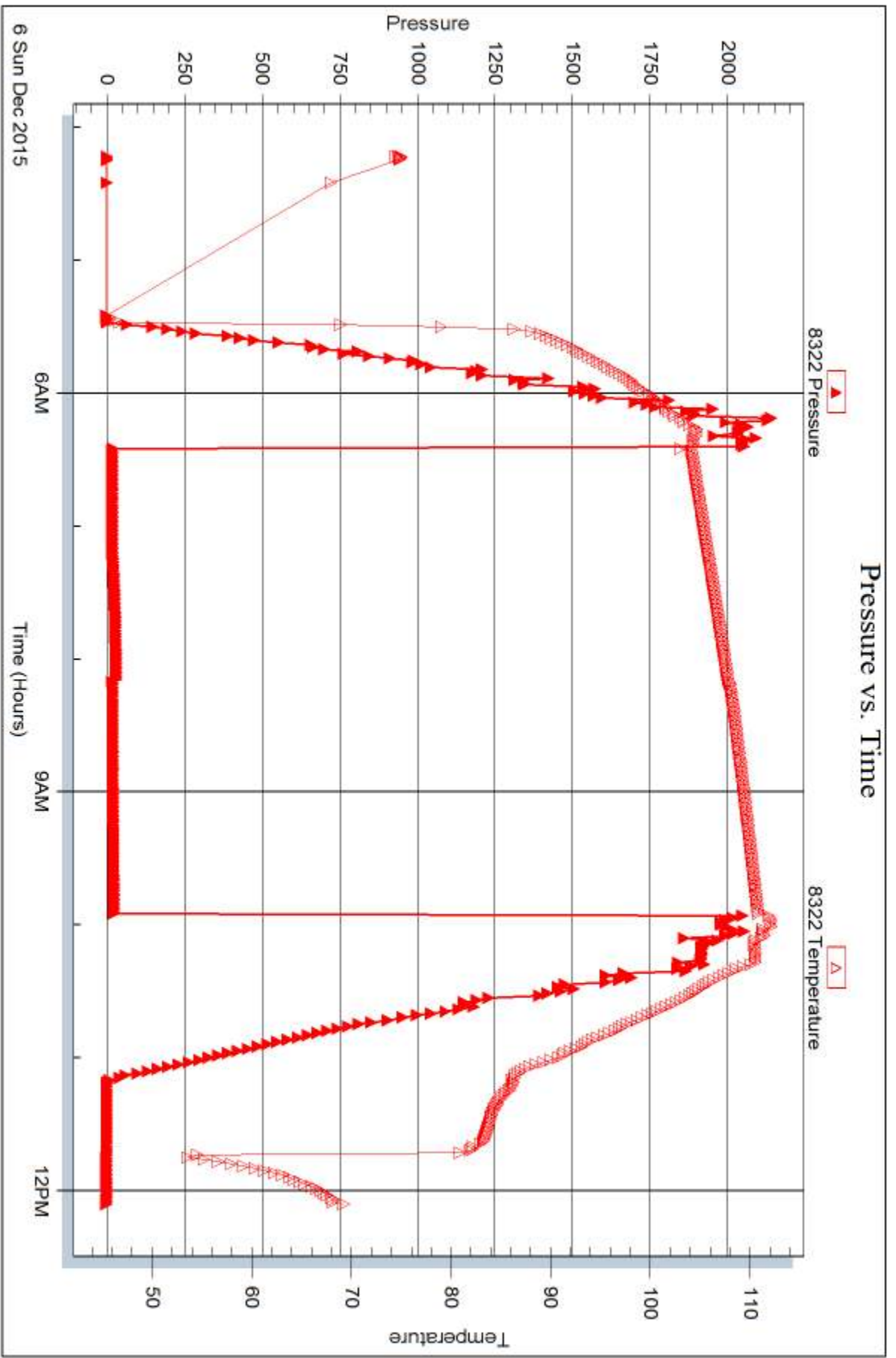
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Suemaaur Expl. & Prod. LLC**

802 N. Carancahua
Corpus Christi TX 78401

ATTN: Bob Peterson

Campbell #1

3-7s-28w Sheridan,KS

Start Date: 2015.12.08 @ 03:30:00

End Date: 2015.12.08 @ 10:43:09

Job Ticket #: 65256 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.12.11 @ 11:01:58

Suemaaur Expl. & Prod. LLC
3-7s-28w Sheridan,KS
Campbell #1
DST # 4
LKC " G "
2015.12.08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Suemaour Expl. & Prod. LLC

3-7s-28w Sheridan,KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65256

DST#: 4

ATTN: Bob Peterson

Test Start: 2015.12.08 @ 03:30:00

GENERAL INFORMATION:

Formation: **LKC " G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:45:20

Time Test Ended: 10:43:09

Test Type: Conventional Straddle (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: 4015.00 ft (KB) To 4064.00 ft (KB) (TVD)

Reference Elevations: 2772.00 ft (KB)

Total Depth: 4511.00 ft (KB) (TVD)

2767.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 567.57 psig @ 4016.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.08

End Date:

2015.12.08

Last Calib.:

2015.12.08

Start Time: 03:30:01

End Time:

10:43:10

Time On Btm:

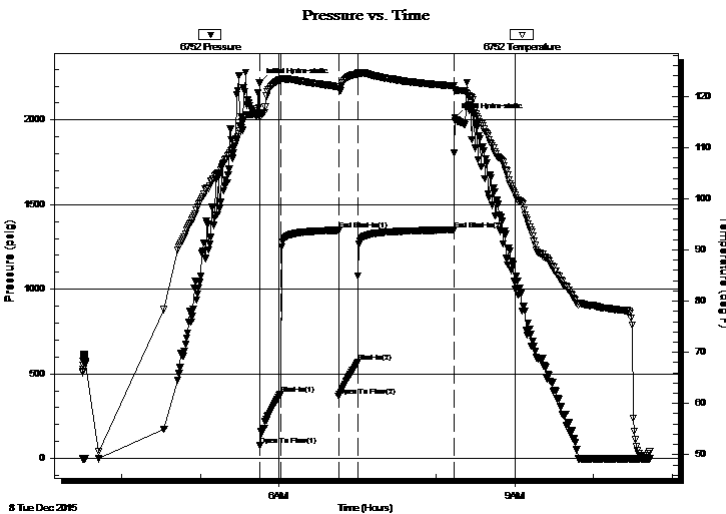
2015.12.08 @ 05:45:00

Time Off Btm:

2015.12.08 @ 08:14:00

TEST COMMENT: 15 IF - 1" blow built to BoB @ 2 1/2 mins
45 ISI - No return
15 FF - Surface blow built to BoB @ 2 1/2 mins
60 FSI - No return

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2218.31 | 116.57 | Initial Hydro-static |
| 1 | 74.87 | 115.77 | Open To Flow (1) |
| 16 | 380.10 | 123.27 | Shut-In(1) |
| 61 | 1348.47 | 121.88 | End Shut-In(1) |
| 61 | 368.78 | 121.51 | Open To Flow (2) |
| 75 | 567.57 | 124.42 | Shut-In(2) |
| 149 | 1349.93 | 122.05 | End Shut-In(2) |
| 149 | 2012.63 | 121.21 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------|--------------|
| 124.00 | MCW - 20%M - 80%W | 0.61 |
| 1120.00 | MCW - 5%M - 95%W | 15.15 |
| 189.00 | MCW - 30%M - 70%W | 2.65 |
| 267.00 | MCW - 40%M - 60%W | 3.75 |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan,KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65256

DST#: 4

ATTN: Bob Peterson

Test Start: 2015.12.08 @ 03:30:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3834.00 ft | Diameter: 3.80 inches | Volume: 53.78 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 186.00 ft | Diameter: 2.25 inches | Volume: 0.91 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 54.69 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 33.00 ft | | | String Weight: Initial 62000.00 lb |
| Depth to Top Packer: | 4015.00 ft | | | Final 68000.00 lb |
| Depth to Bottom Packer: | 4064.00 ft | | | |
| Interval between Packers: | 49.00 ft | | | |
| Tool Length: | 528.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

| | | | | | |
|-----------------|--------|------|---------|---------|--------------------------------|
| Change Over Sub | 1.00 | | | 3988.00 | |
| Shut In Tool | 5.00 | | | 3993.00 | |
| Hydraulic tool | 5.00 | | | 3998.00 | |
| Jars | 5.00 | | | 4003.00 | |
| Safety Joint | 3.00 | | | 4006.00 | |
| Packer | 5.00 | | | 4011.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4015.00 | |
| Packer - Shale | 0.00 | | | 4015.00 | |
| Stubb | 1.00 | | | 4016.00 | |
| Recorder | 0.00 | 6752 | Inside | 4016.00 | |
| Recorder | 0.00 | 8322 | Outside | 4016.00 | |
| Perforations | 9.00 | | | 4025.00 | |
| Blank Spacing | 33.00 | | | 4058.00 | |
| Perforations | 1.00 | | | 4059.00 | |
| Blank Off Sub | 1.00 | | | 4060.00 | |
| Blank spacing | 4.00 | | | 4064.00 | 49.00 Tool Interval |
| Packer | 4.00 | | | 4068.00 | |
| Stubb | 1.00 | | | 4069.00 | |
| Recorder | 0.00 | 8734 | Below | 4069.00 | |
| Perforations | 2.00 | | | 4071.00 | |
| Change Over Sub | 1.00 | | | 4072.00 | |
| Drill Pipe | 443.00 | | | 4515.00 | 451.00 Bottom Packers & Anchor |

Total Tool Length: 528.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Expl. & Prod. LLC

3-7s-28w Sheridan,KS

802 N. Carancahua
Corpus Christi TX 78401

Campbell #1

Job Ticket: 65256

DST#: 4

ATTN: Bob Peterson

Test Start: 2015.12.08 @ 03:30:00

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:

15000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------------|----------------|
| 124.00 | MCW - 20%M - 80%W | 0.610 |
| 1120.00 | MCW - 5%M - 95%W | 15.146 |
| 189.00 | MCW - 30%M - 70%W | 2.651 |
| 267.00 | MCW - 40%M - 60%W | 3.745 |

Total Length: 1700.00 ft Total Volume: 22.152 bbl

Num Fluid Samples: 0

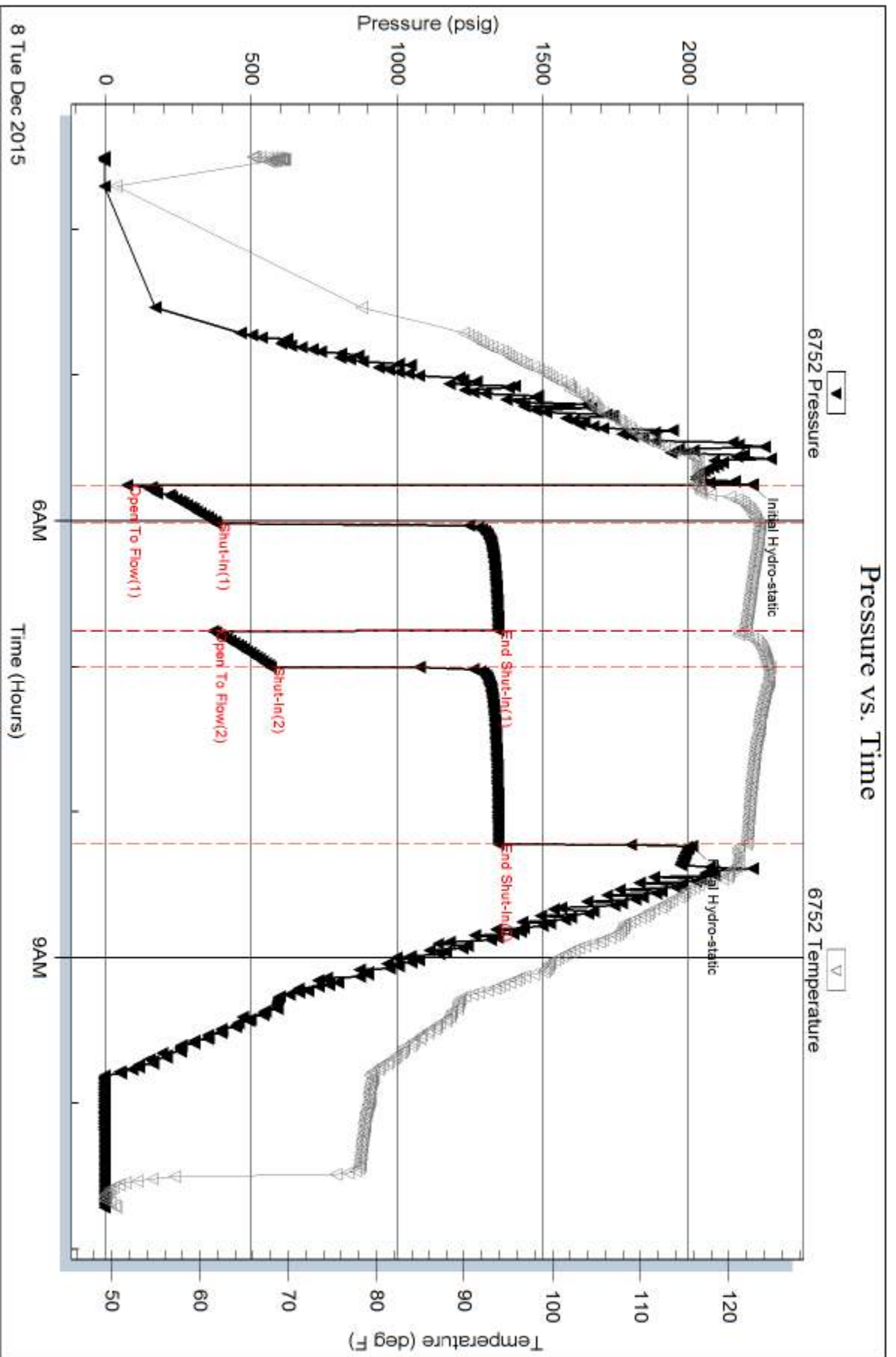
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .622 @ 50 DEG F

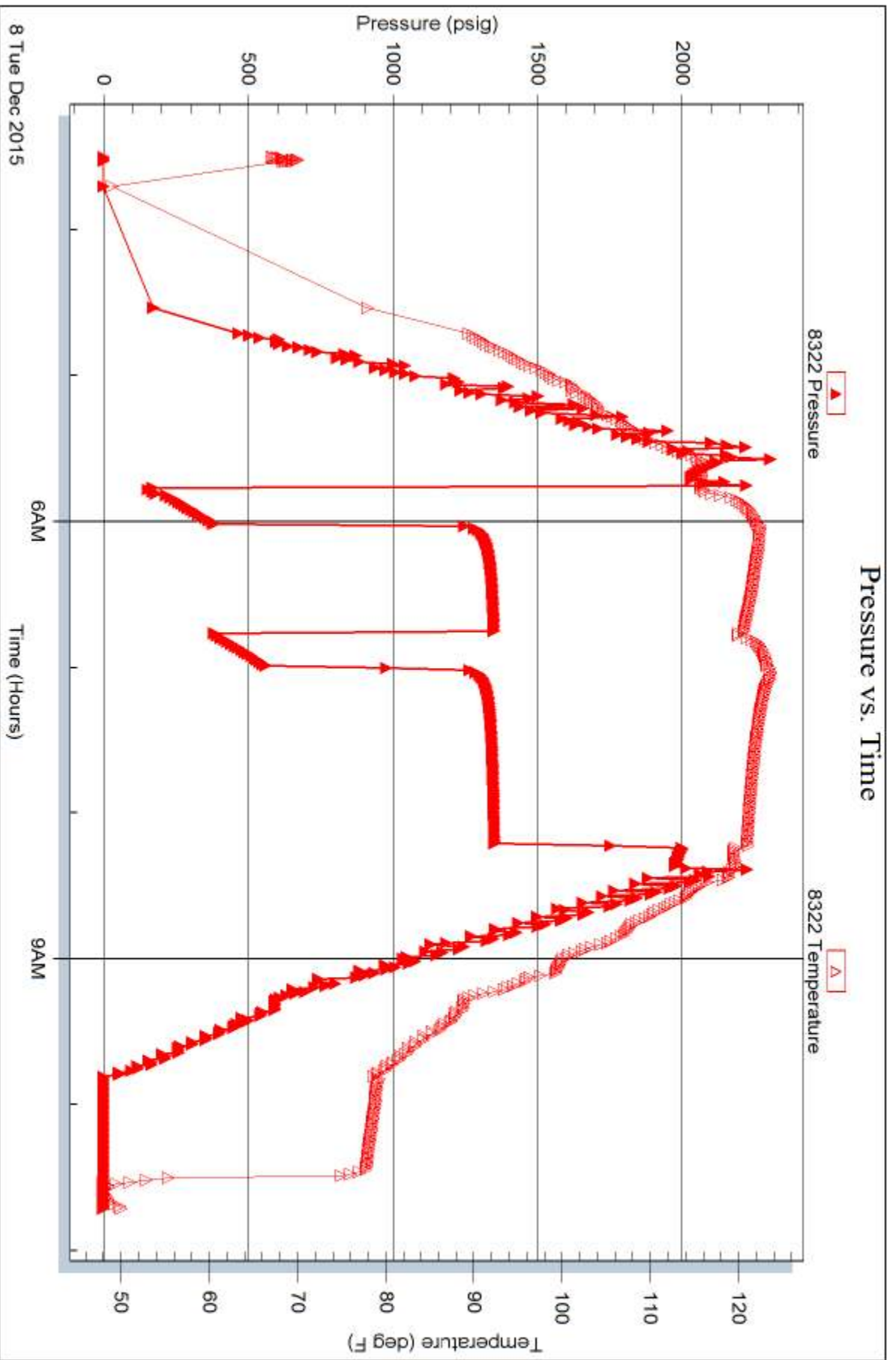


Serial #: 8322

Outside Suemaur Expl. & Prod. LLC

Campbell #1

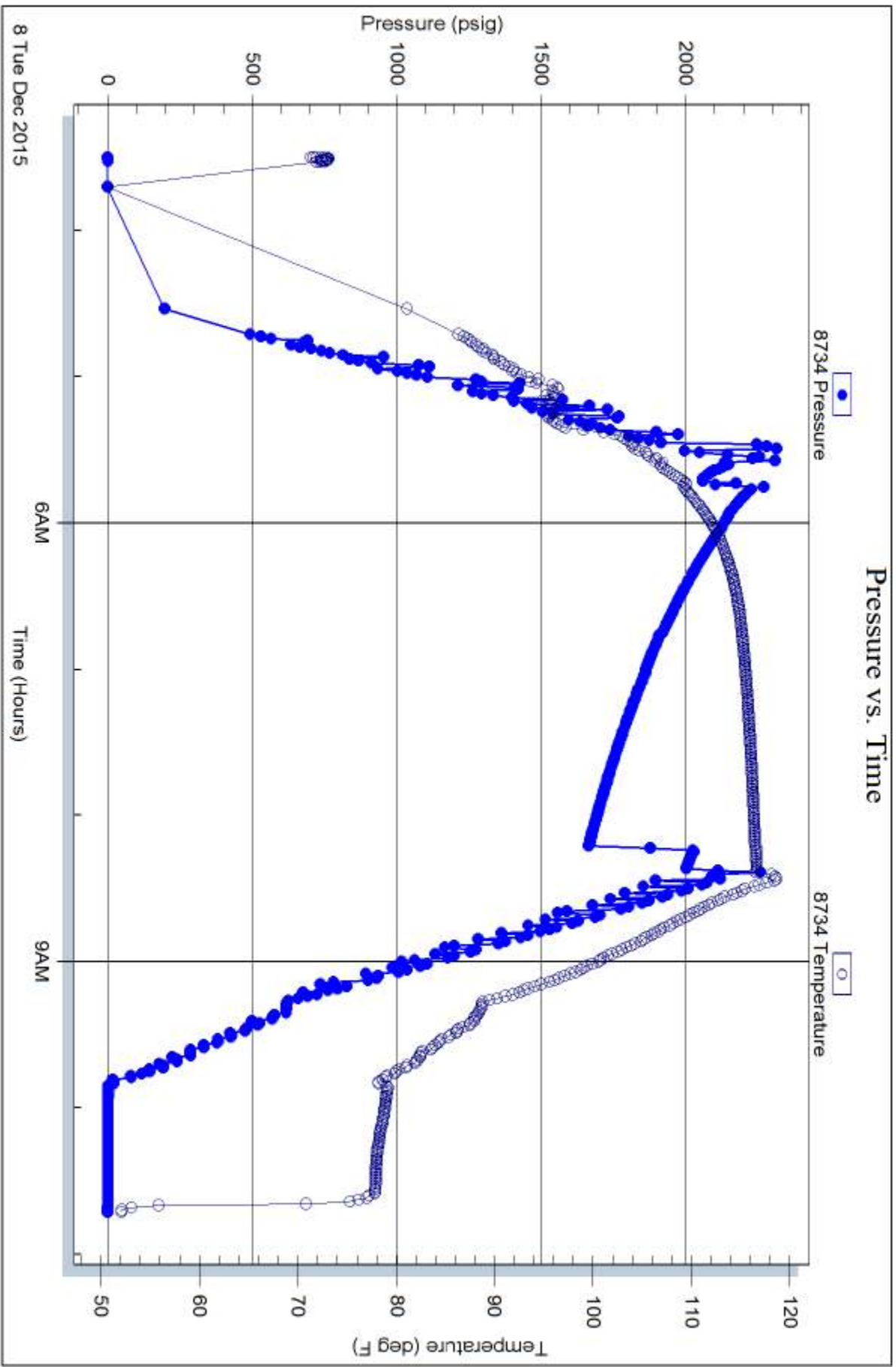
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 65256

Printed: 2015.12.11 @ 11:02:00





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65253**

Well Name & No. Campbell #1 Test No. 1 Date 12/4/15
 Company Suemar Exp. & Production LLC Elevation 2772 KB 2765 GL
 Address 802 N. Carancahua Corpus Christi Tx 78401
 Co. Rep / Geo. Bob Peterson Rig Martin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 3955 - 3980 Zone Tested LKC "C"
 Anchor Length 25' Drill Pipe Run 3772' Mud Wt. 9.2
 Top Packer Depth 3950 Drill Collars Run 186 Vis 58
 Bottom Packer Depth 3955 Wt. Pipe Run 0' WL 5.6
 Total Depth 3980 Chlorides 1000 ppm System LCM 2
 Blow Description IF - Surface blow built to BoB @ 24 min
ISI - No return
FF - Surface blow started @ 1 min built to BoB @ 27 mins
FSI - No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|----------------------|------|-----------|-----------|------|
| <u>70'</u> | <u>MCW w/oil obs</u> | | <u>80</u> | <u>20</u> | |
| <u>313'</u> | <u>MCW</u> | | <u>95</u> | <u>5</u> | |
| <u>62'</u> | <u>MCW</u> | | <u>75</u> | <u>25</u> | |
| | | | | | |
| | | | | | |

Rec Total 445' BHT 121° Gravity — API RW 672 @ 54 °F Chlorides 13000 ppm

| | | |
|---|---|--|
| (A) Initial Hydrostatic <u>2111</u> | <input checked="" type="checkbox"/> Test <u>1050</u> | T-On Location <u>06:15</u> |
| (B) First Initial Flow <u>19</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>07:00</u> |
| (C) First Final Flow <u>122</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>09:25</u> |
| (D) Initial Shut-In <u>1315</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>13:25</u> |
| (E) Second Initial Flow <u>125 125</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>15:52</u> |
| (F) Second Final Flow <u>222</u> | <input checked="" type="checkbox"/> Mileage <u>62 RT 62</u> | Comments |
| (G) Final Shut-In <u>1302</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2046</u> | <input type="checkbox"/> Straddle | |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Initial Open <u>30</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Accessibility | Total <u>1437</u> |
| Final Flow <u>60</u> | | MP/DST Disc't |
| Final Shut-In <u>90</u> | | |

Sub Total 1437

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65254**

Well Name & No. Campbell #1 Test No. 2 Date 12/5/15
 Company Suemar Exploration & Production LLC Elevation 2772 KB 2765 GL
 Address 802 N. Carancahua Corpus Christi Tx 78401
 Co. Rep / Geo. Bob Peterson Rig Martin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 4074 - 4110 Zone Tested LKC ~~003~~ 5"
 Anchor Length 36' Drill Pipe Run 3867' Mud Wt. 9.0
 Top Packer Depth 4069 Drill Collars Run 186' Vis 68
 Bottom Packer Depth 4074 Wt. Pipe Run 0' WL 6.0
 Total Depth 4110 Chlorides 1400 ppm System LCM 4

Blow Description IF - Surface blow built to 1"
ISI - No return
FF - No blow
FBI - No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|------|------|--------|-------------|
| <u>4'</u> | <u>Mud</u> | | | | <u>100%</u> |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 4' BHT 115° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2147</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>09:45</u> |
| (B) First Initial Flow <u>16</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>10:12</u> |
| (C) First Final Flow <u>24</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>12:16</u> |
| (D) Initial Shut-In <u>30</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>15:46</u> |
| (E) Second Initial Flow <u>26</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>17:58</u> |
| (F) Second Final Flow <u>24</u> | <input checked="" type="checkbox"/> Mileage <u>62 RT 62</u> | Comments _____ |
| (G) Final Shut-In <u>28</u> | <input type="checkbox"/> Sampler _____ | _____ |
| (H) Final Hydrostatic <u>2066</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |

Initial Open 45 Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 45 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 0
 Total 1537
 MP/DST Disc't _____
 Sub Total 1537

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65255**

Well Name & No. Campbell #1 Test No. 3 Date 12/6/15
 Company Suomal Exploration & Production LLC Elevation 2772 KB 2785 GL
 Address 902 N. Carancahua Corpus Christi TX 78401
 Co. Rep / Geo. Bob Peterson Rig Murfin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 4110 - 4152 Zone Tested LKC "K-L"
 Anchor Length 42' Drill Pipe Run 3928' Mud Wt. 9.2
 Top Packer Depth 4105 Drill Collars Run 186' Vis 54
 Bottom Packer Depth 4110 Wt. Pipe Run 0' WL 6.0
 Total Depth 4152 Chlorides 1400 ppm System LCM 4
 Blow Description IF - Surface blow built to 1/2" died back to 1/4"
ISI - No return
FF - No blow
FSI - No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------------------|------|------|-------------|------|
| <u>2'</u> | <u>Mud w/oil spots</u> | | | <u>100%</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 2' BHT 112° Gravity — API RW — @ — ° F Chlorides — ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2133</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>03:50</u> |
| (B) First Initial Flow <u>15</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>04:13</u> |
| (C) First Final Flow <u>17</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>06:25</u> |
| (D) Initial Shut-In <u>29</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>09:55</u> |
| (E) Second Initial Flow <u>17</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>12:06</u> |
| (F) Second Final Flow <u>18</u> | <input checked="" type="checkbox"/> Mileage <u>62 RT 62</u> | Comments |
| (G) Final Shut-In <u>21</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2057</u> | <input type="checkbox"/> Straddle | |
| Initial Open <u>45</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| Final Flow <u>45</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| | <input type="checkbox"/> Accessibility | Total <u>1537</u> |
| | Sub Total <u>1537</u> | MP/DST Disc't |

Approved By _____

Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65256**

Well Name & No. Campbell #1 Test No. 4 Date 12/7/15
 Company Suemar Exploration & Production LLC Elevation 2772 KB 2765 GL
 Address 802 N. Zaranchua Corpus Christi Tx 78401
 Co. Rep / Geo. Bob Peterson Rig Martin #7
 Location: Sec. 3 Twp. 7S Rge. 28W Co. Sheridan State KS

Interval Tested 4015-4064 Zone Tested LKC "G"
 Anchor Length 49' Drill Pipe Run 3834' Mud Wt. 9.4
 Top Packer Depth 4010 4015 Drill Collars Run 186' Vis 55
 Bottom Packer Depth 4064 Wt. Pipe Run 0' WL 6.8
 Total Depth 4511 Chlorides 2100 ppm System LCM 4

Blow Description IF - 1" blow built to Bob @ 2 1/2 mins
ISI - No return
FF - Surface blow built to Bob @ 2 1/2 mins
FSI - No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|------------|------|-----------|-----------|------|
| <u>267</u> | <u>MCW</u> | | <u>60</u> | <u>40</u> | |
| <u>189</u> | <u>MCW</u> | | <u>70</u> | <u>30</u> | |
| <u>1120</u> | <u>MCW</u> | | <u>95</u> | <u>5</u> | |
| <u>124</u> | <u>MCW</u> | | <u>80</u> | <u>20</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 1700 BHT 122° Gravity — API RW .622 @ 50° F Chlorides 15,000 ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2218</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>023:00</u> |
| (B) First Initial Flow <u>75</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>03:30</u> |
| (C) First Final Flow <u>380</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>05:45</u> |
| (D) Initial Shut-In <u>1348</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>08:00</u> |
| (E) Second Initial Flow <u>369</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>10:43</u> |
| (F) Second Final Flow <u>568</u> | <input checked="" type="checkbox"/> Mileage <u>62 RT 62</u> | Comments <u>waited on orders</u> |
| (G) Final Shut-In <u>1350</u> | <input type="checkbox"/> Sampler | <u>till 13:30</u> |
| (H) Final Hydrostatic <u>2013</u> | <input checked="" type="checkbox"/> Straddle <u>600</u> | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>15</u> | <input checked="" type="checkbox"/> Shale Packer <u>250</u> | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>15</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Shut-In <u>60</u> | <input checked="" type="checkbox"/> Day Standby | Total <u>2387</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>2387</u> | |

Approved By _____ Our Representative _____

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

