

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) (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: | |
|----------------|-------|---------|------------|--|



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R&L Investment, LLC
2777 US Highway 24
Hill City, KS 67642
ATTN: Richard Bell

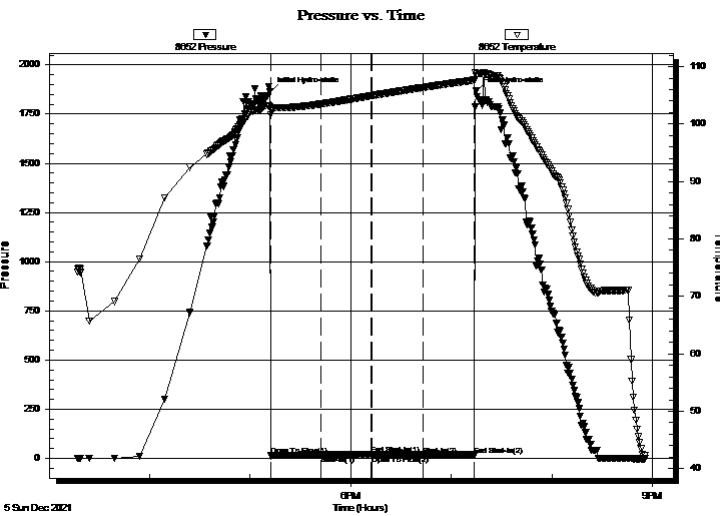
17_10_25 Graham, KS
Bollig 'A' #3
Job Ticket: 68017 **DST#: 2**
Test Start: 2021.12.05 @ 15:17:00

GENERAL INFORMATION:

Formation: **LKC D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:12:15
Time Test Ended: 20:55:30
Interval: **3826.00 ft (KB) To 3844.00 ft (KB) (TVD)**
Total Depth: 3844.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Reset)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2532.00 ft (KB)
2525.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8652 Outside
Press@RunDepth: 18.10 psig @ 3827.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.12.05 End Date: 2021.12.05 Last Calib.: 2021.12.05
Start Time: 15:17:05 End Time: 20:55:29 Time On Btm: 2021.12.05 @ 17:12:00
Time Off Btm: 2021.12.05 @ 19:14:45

TEST COMMENT: IF-30- WSB
SI1-30- No return
FF-30- No blow
SI2-30- No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1863.28 | 103.02 | Initial Hydro-static |
| 1 | 13.42 | 101.60 | Open To Flow (1) |
| 30 | 18.00 | 103.48 | Shut-In(1) |
| 60 | 19.60 | 104.90 | End Shut-In(1) |
| 61 | 18.01 | 104.93 | Open To Flow (2) |
| 91 | 18.10 | 106.34 | Shut-In(2) |
| 122 | 18.34 | 107.64 | End Shut-In(2) |
| 123 | 1866.50 | 108.35 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1.00 | mud 100% | 0.00 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

R&L Investment, LLC
 2777 US Highway 24
 Hill City, KS 67642
 ATTN: Richard Bell

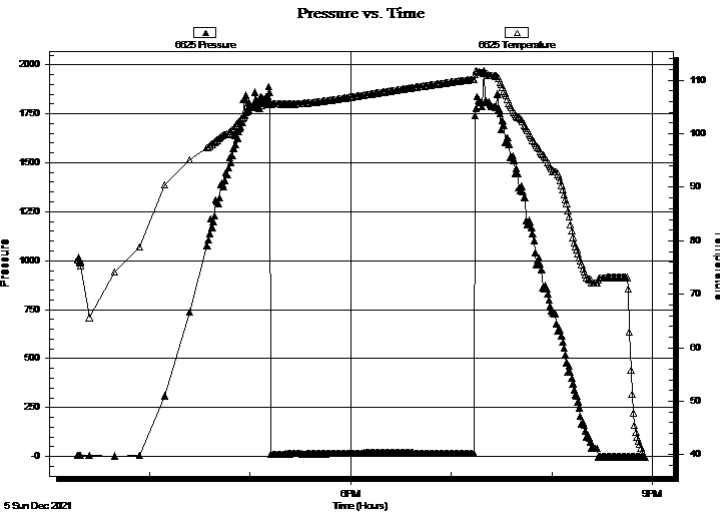
17_10_25 Graham, KS
Bollig 'A' #3
 Job Ticket: 68017 **DST#: 2**
 Test Start: 2021.12.05 @ 15:17:00

GENERAL INFORMATION:

Formation: **LKC D**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 17:12:15 Tester: Dustin Day
 Time Test Ended: 20:55:30 Unit No: 70
 Interval: **3826.00 ft (KB) To 3844.00 ft (KB) (TVD)** Reference Elevations: 2532.00 ft (KB)
 Total Depth: 3844.00 ft (KB) (TVD) 2525.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 7.00 ft

Serial #: 6625 Inside
 Press@RunDepth: psig @ 3827.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.12.05 End Date: 2021.12.05 Last Calib.: 2021.12.05
 Start Time: 15:17:05 End Time: 20:55:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-30- WSB
 SI1-30- No return
 FF-30- No blow
 SI2-30- No return



PRESSURE SUMMARY

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

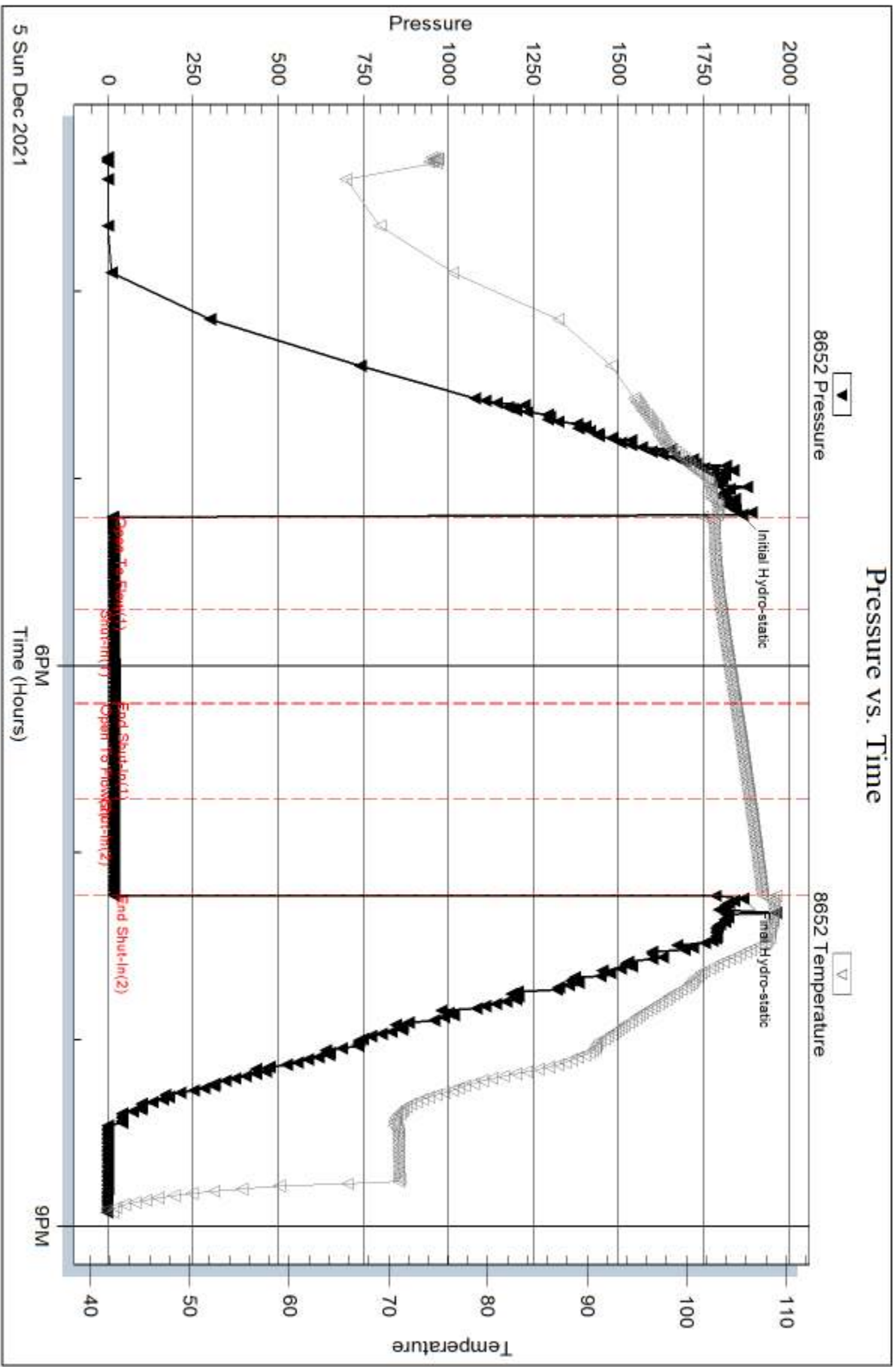
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1.00 | mud 100% | 0.00 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



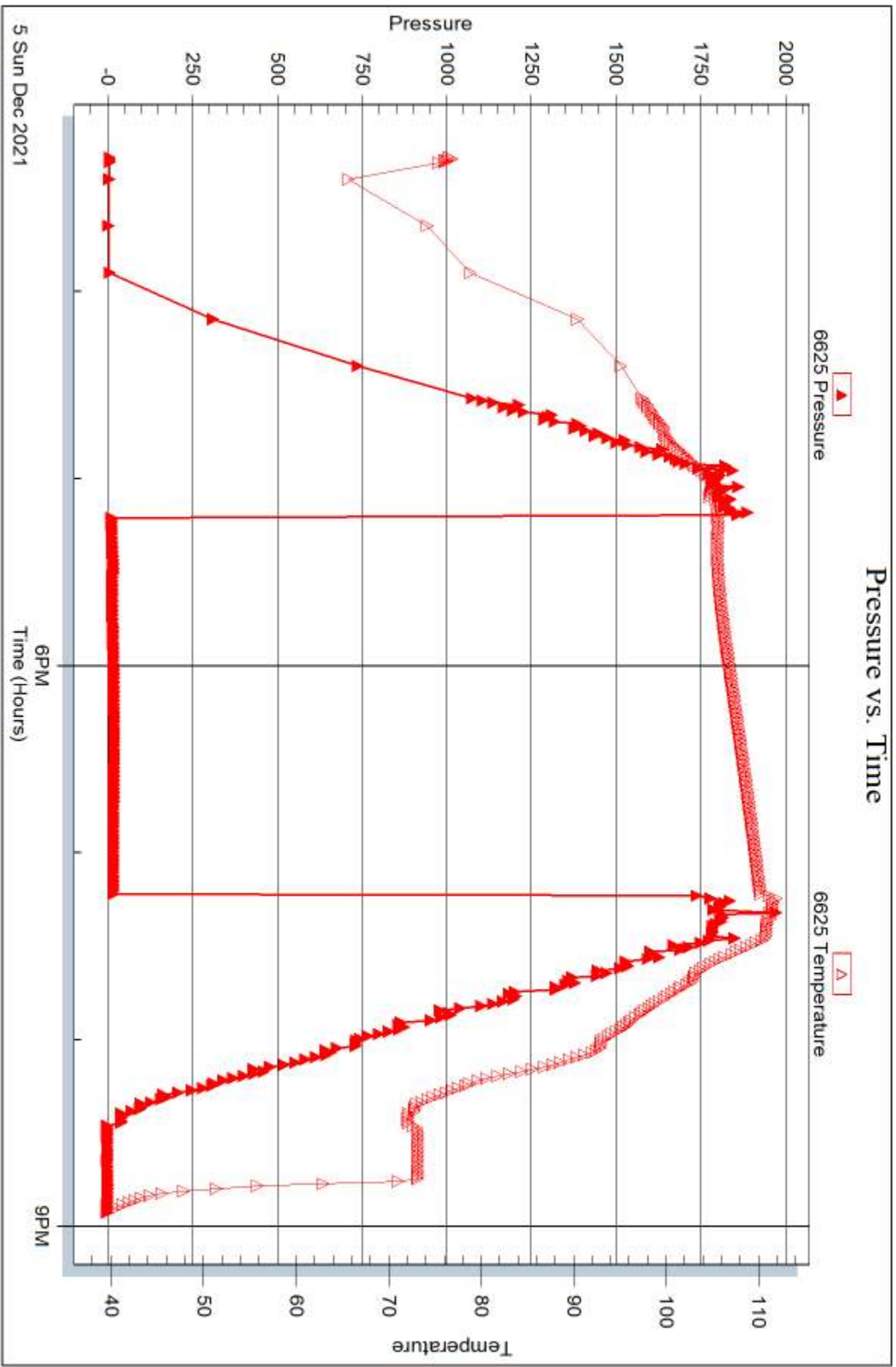
Serial #: 6625

Inside

R&L Investment, LLC

Bolig 'A' #3

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

R&L Investment, LLC
2777 US Highway 24
Hill City, KS 67642
ATTN: Richard Bell

17_10_25 Graham, KS
Bollig 'A' #3
Job Ticket: 68016 **DST#: 1**
Test Start: 2021.12.05 @ 02:56:00

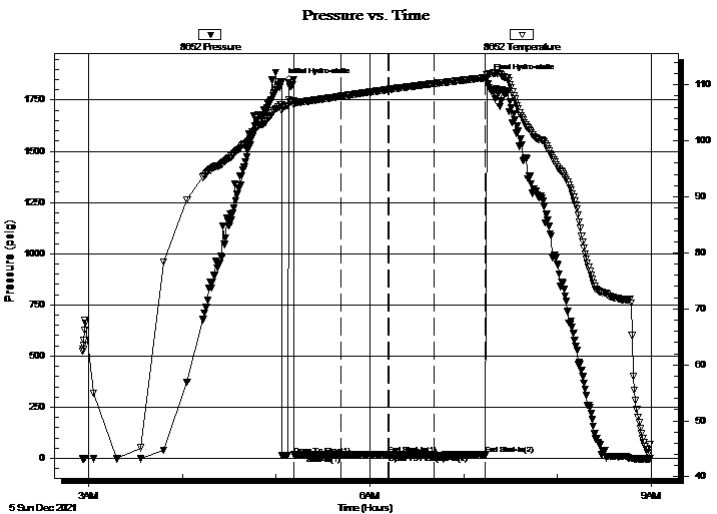
GENERAL INFORMATION:

Formation: **LKC C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:11:30
Time Test Ended: 08:59:00
Interval: **3810.00 ft (KB) To 3826.00 ft (KB) (TVD)**
Total Depth: 3826.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Day
Unit No: 70
Reference Elevations: 2532.00 ft (KB)
2525.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8652 Outside
Press@RunDepth: 17.64 psig @ 3811.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.12.05 End Date: 2021.12.05 Last Calib.: 2021.12.05
Start Time: 02:56:05 End Time: 08:58:59 Time On Btm: 2021.12.05 @ 05:03:15
Time Off Btm: 2021.12.05 @ 07:14:45

TEST COMMENT: IF-30- Built to 1/4"
SI1-30- No return
FF-30- No blow
SI2-30- No return

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1837.24 | 106.43 | Initial Hydro-static |
| 9 | 17.30 | 106.52 | Open To Flow (1) |
| 38 | 17.15 | 107.95 | Shut-In(1) |
| 69 | 20.40 | 109.16 | End Shut-In(1) |
| 69 | 17.76 | 109.18 | Open To Flow (2) |
| 98 | 17.64 | 110.23 | Shut-In(2) |
| 131 | 18.23 | 111.26 | End Shut-In(2) |
| 132 | 1853.89 | 111.76 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 1.00 | mud w/oil spots 100% mud | 0.00 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R&L Investment, LLC
2777 US Highway 24
Hill City, KS 67642
ATTN: Richard Bell

17_10_25 Graham, KS
Bollig 'A' #3
Job Ticket: 68016 **DST#: 1**
Test Start: 2021.12.05 @ 02:56:00

Mud and Cushion Information

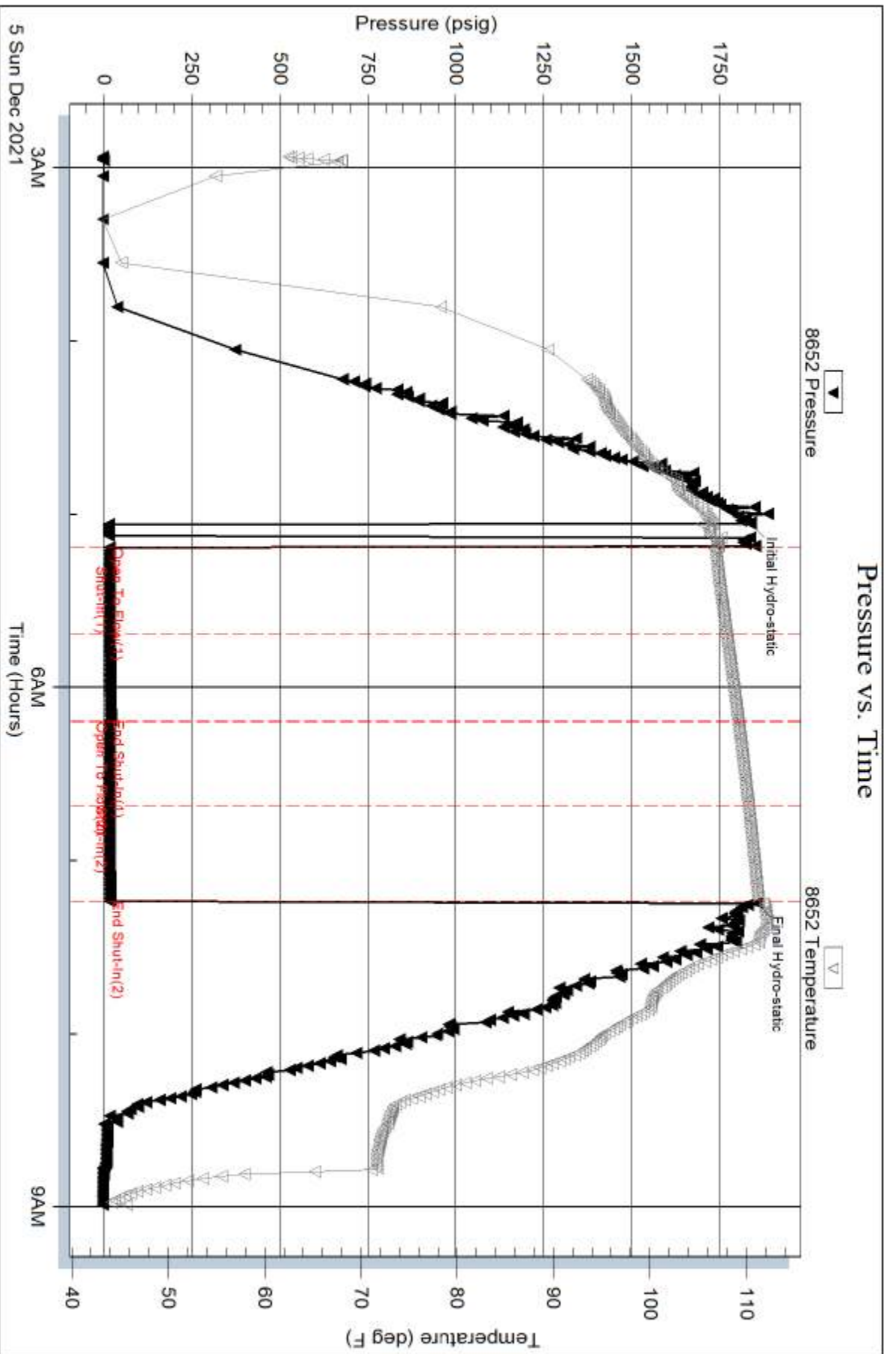
| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 61.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.20 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1500.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 1.00 | mud w /oil spots 100% mud | 0.005 |

Total Length: 1.00 ft Total Volume: 0.005 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 1# LCM



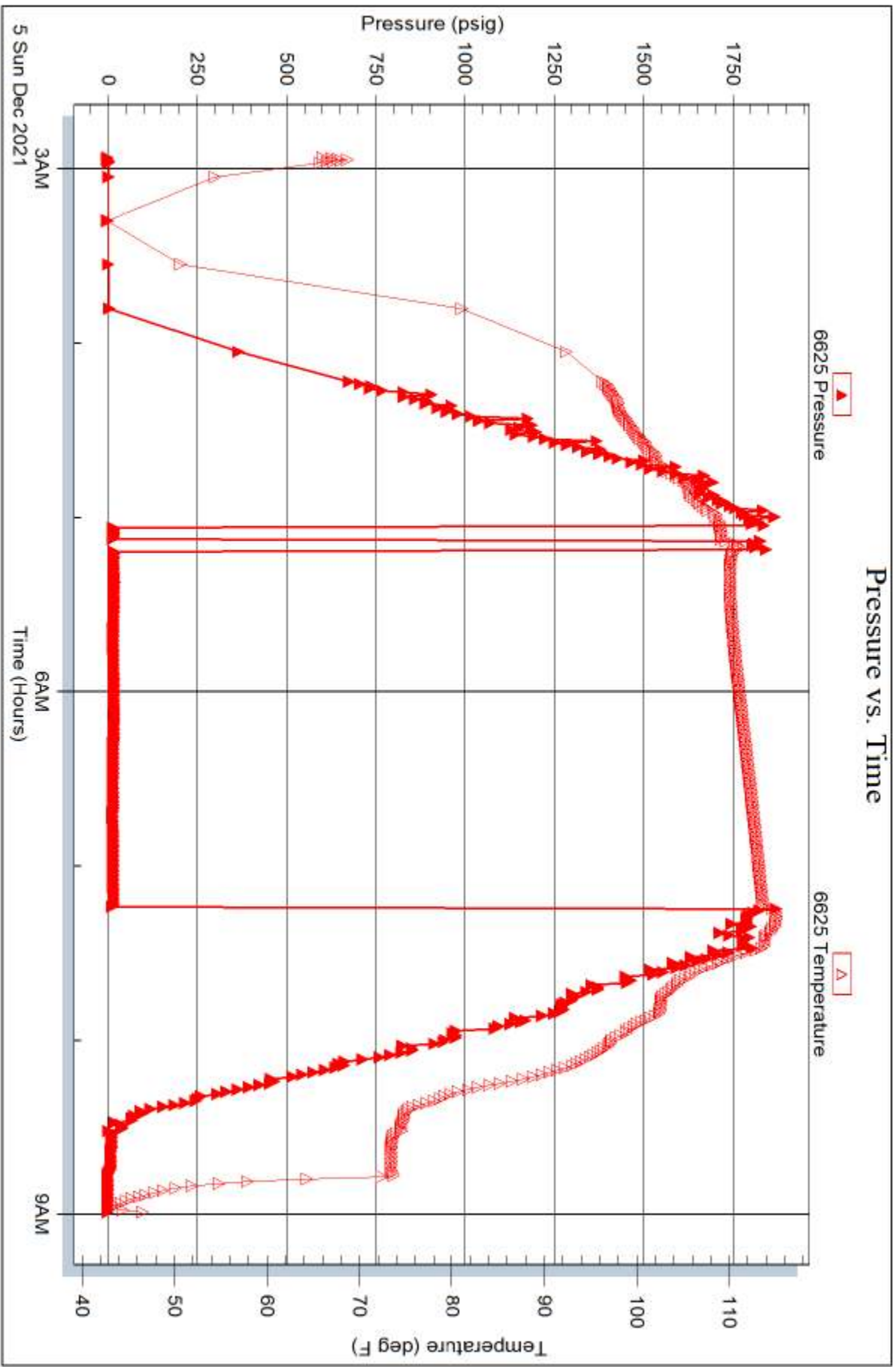
Serial #: 6625

Inside

R&L Investment, LLC

Boiling 'A' #3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68016

Printed: 2021.12.05 @ 13:00:20



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

R&L Investment, LLC
 2777 US Highway 24
 Hill City, KS 67642
 ATTN: Richard Bell

17_10_25 Graham, KS
Bollig 'A' #3
 Job Ticket: 68018 **DST#: 3**
 Test Start: 2021.12.06 @ 16:44:00

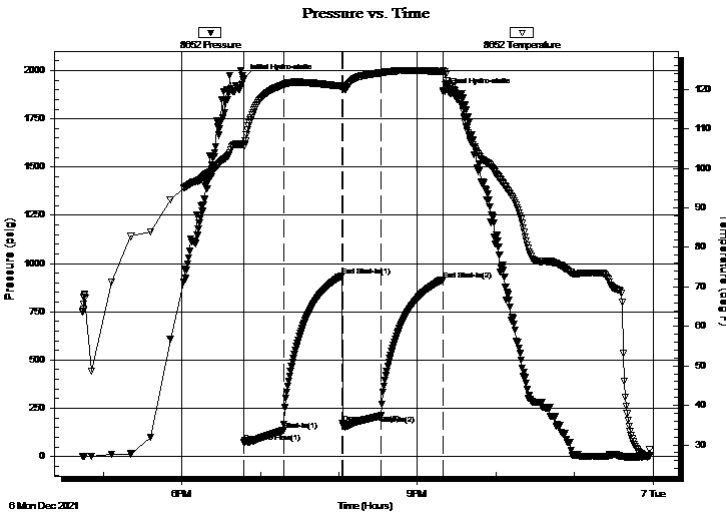
GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:47:30
 Time Test Ended: 23:57:45
 Interval: **3983.00 ft (KB) To 4006.00 ft (KB) (TVD)**
 Total Depth: 3826.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2532.00 ft (KB)
 2525.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8652 Outside
 Press@RunDepth: 211.78 psig @ 3984.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.12.06 End Date: 2021.12.06 Last Calib.: 2021.12.07
 Start Time: 16:44:05 End Time: 23:57:44 Time On Btm: 2021.12.06 @ 18:47:15
 Time Off Btm: 2021.12.06 @ 21:19:45

TEST COMMENT: IF-30- BOB 2 min 15 sec, Built to 70"
 SI1-45- BOB in 23 min., Built to 24 3/4"
 FF-30- BOB in 2 min., Built to 37 1/2"
 SI2-45- Built to 9 1/4"

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1956.66 | 106.32 | Initial Hydro-static |
| 1 | 71.78 | 105.58 | Open To Flow (1) |
| 31 | 135.85 | 121.21 | Shut-In(1) |
| 75 | 936.84 | 120.79 | End Shut-In(1) |
| 76 | 170.09 | 120.55 | Open To Flow (2) |
| 105 | 211.78 | 124.21 | Shut-In(2) |
| 152 | 916.36 | 124.50 | End Shut-In(2) |
| 153 | 1888.15 | 124.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------------|--------------|
| 120.00 | GOM 25 % gas 35% oil 40% mud | 0.59 |
| 442.00 | GO 20% gas 80% oil | 6.20 |
| 0.00 | 1133 GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

R&L Investment, LLC

17_10_25 Graham, KS

2777 US Highway 24
Hill City, KS 67642

Bollig 'A' #3

Job Ticket: 68018

DST#: 3

ATTN: Richard Bell

Test Start: 2021.12.06 @ 16:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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 bbl |
|--------------|------------------------------|---------------|
| 120.00 | GOM 25 % gas 35% oil 40% mud | 0.590 |
| 442.00 | GO 20% gas 80% oil | 6.200 |
| 0.00 | 1133 GIP | 0.000 |

Total Length: 562.00 ft

Total Volume: 6.790 bbl

Num Fluid Samples: 0

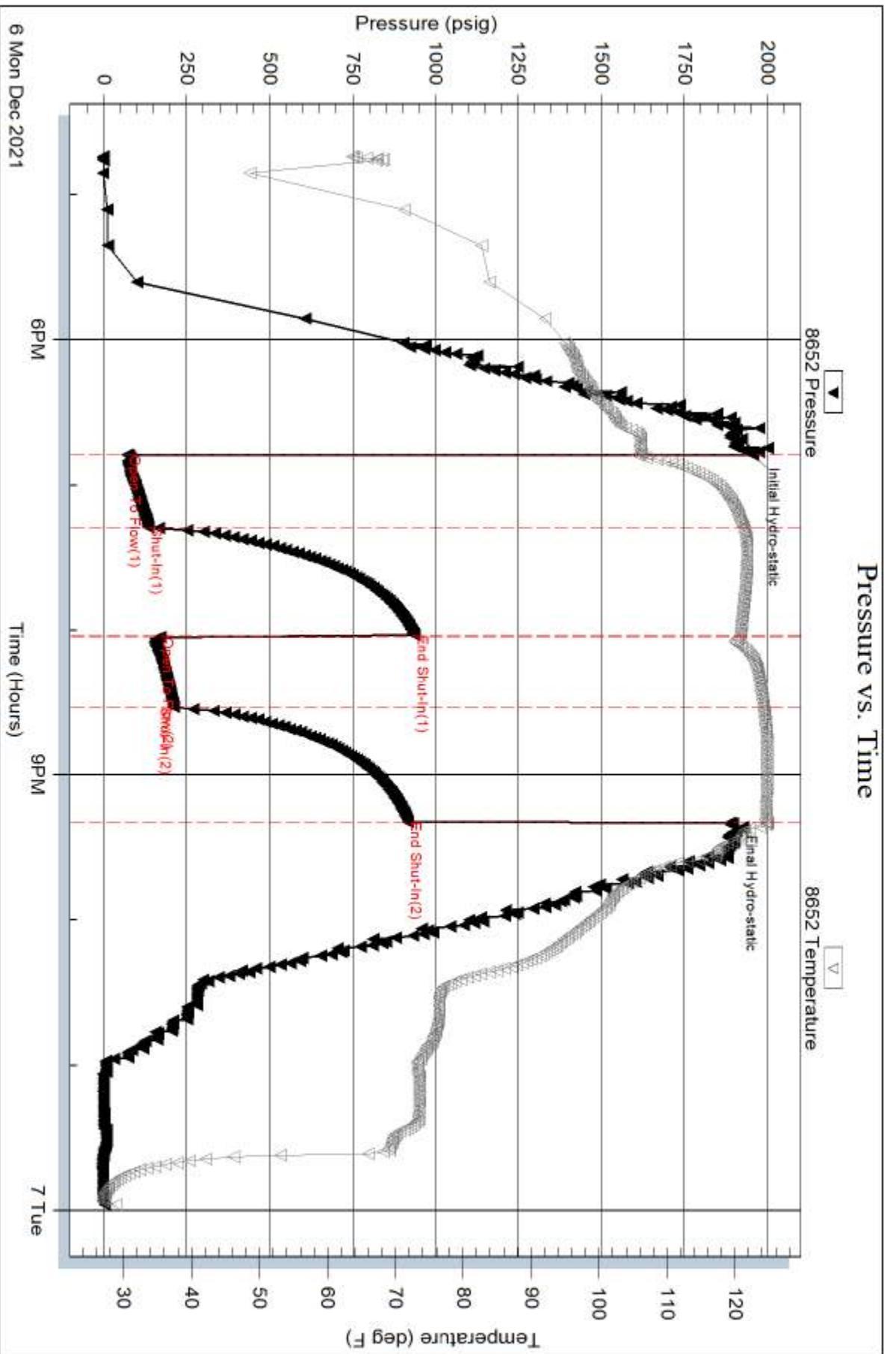
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM



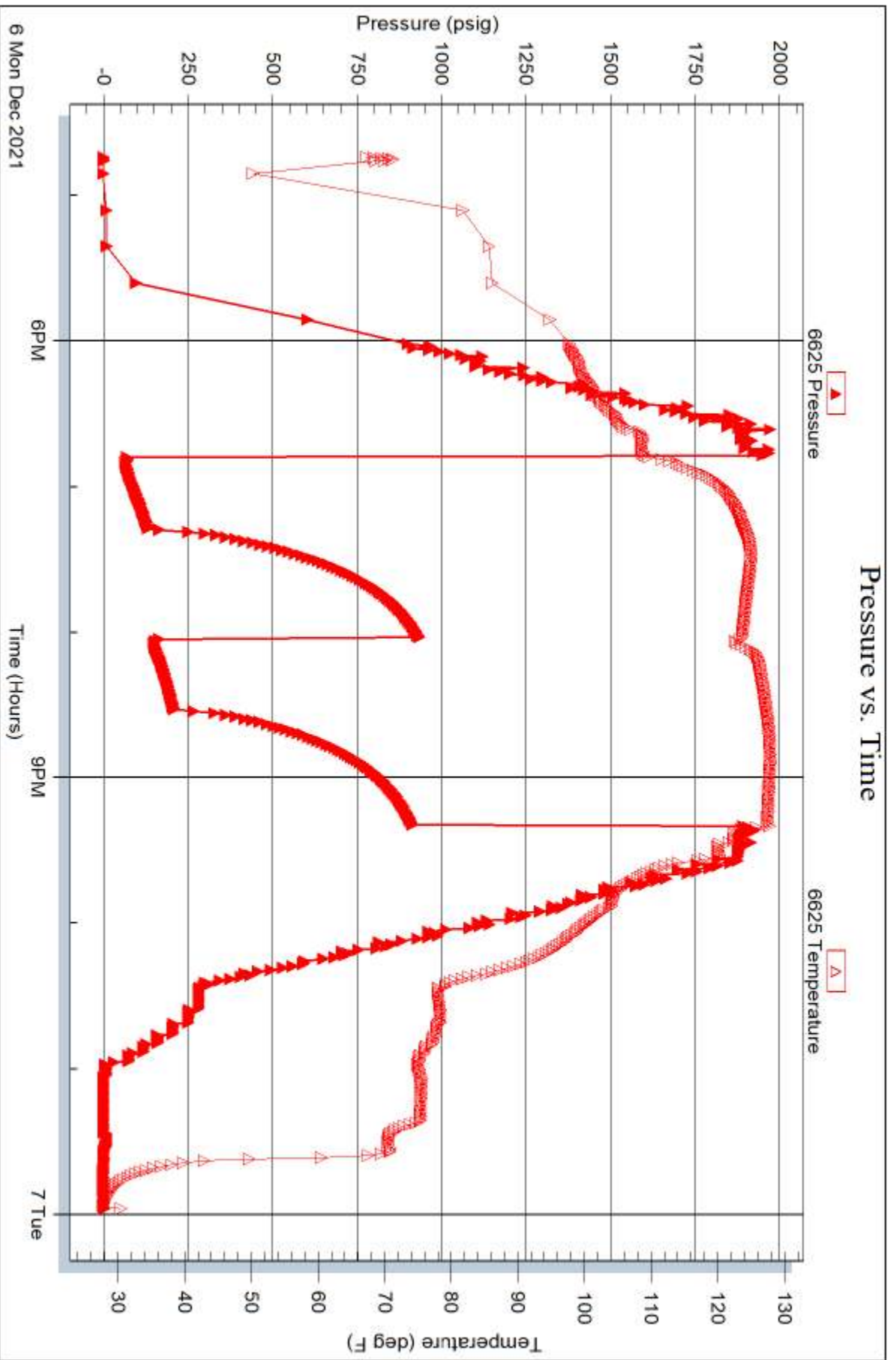
Serial #: 6625

Inside

R&L Investment, LLC

Boiling 'A' #3

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68018

Printed: 2021.12.07 @ 07:16:25

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0472

LOCATION Harvie

FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|----------|------------|--------------------|---------|----------|-------|--------|
| 12-05-21 | 33268 | Balling A #3 | 17 | 10 | 25 | |

| | | |
|--------------------------------------|--------------------|--------------------------|
| CUSTOMER <u>R2 Investment LLC</u> | | |
| MAILING ADDRESS | | |
| CITY <u>Hill City</u> | STATE <u>KS</u> | ZIP CODE <u>67642</u> |

| TRUCK # | DRIVER | TRUCK # | DRIVER |
|---------------|-----------------|---------|--------|
| <u>101</u> | <u>Tom W</u> | | |
| <u>#2/103</u> | <u>Sack T</u> | | |
| | <u>Sack M</u> | | |
| | <u>Maxton T</u> | | |

| | | | |
|-------------------------------|------------------------|--------------------|------------------------------------|
| JOB TYPE <u>2 1/2 DV Tool</u> | HOLE SIZE _____ | HOLE DEPTH _____ | CASING SIZE & WEIGHT <u>5 1/2"</u> |
| 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 & rig up on 57 D Drilling. Put our head & manifold on after casing crew ran casing. Circulated mud for 1 hour. Mix 500 gal mud flush & 20 Bbl KCL water. Mix 175 CWC displaced with 95 Bbl water & mud. Set plug - release pressure & dropped dent 15 min - pump dent. Circulated 3 hrs. Mix 500 gal mud flush & 420 gal G/40. Displace plug with 51.5 Bbl. Cement circulated plug down 9:15 am

30 sec in rat hole

Thanks T

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT |
|--------------|------------------------|--|
| PL004 | 1 | PUMP CHARGE DV tool |
| M001 | HR | MILEAGE |
| M002 | 29.45 hrs @ 99.31 tons | Ten mileage delivery |
| CB030 | 175 sacks | class A G/40 play 10 bags 2 bags 5th ton |
| CB021 | 420 sacks | G/40 8 bags 1 1/4th 5/8 seal |
| FE0033 | 1 | 5 1/2" AF Guide shoe |
| FE096 | 6 | 5 1/2" scratchers |
| FE022 | 3 | 5 1/2" baskets |
| FE102 | 3 | 5 1/2" stop rings |
| FE012 | 10 | 5 1/2" centralizer |
| FE051 | 1 | 5 1/2" hatch down plug assembly |
| FE090 | 1 | 5 1/2" DV tool weather hood |
| CP013 | 1000 gal | DV 1100 mud flush |
| CP014 | 2 | gallons KCL |
| | | <u>less 20%</u> |

AUTHORIZATION [Signature] TITLE _____

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

API# 15-025-24210-00-00

GEOLOGICAL REPORT
 DRILLING TIME AND SAMPLE LOG

COMPANY **R.I. Investment LLC**
 LEASE **Balling A # 3**
 FIELD **Black East**

LOCATION **1825 F.W. + 550' F.W.**
 SEC **17** T15P **10 S** R0E **25 W**
 COUNTY **Adair** STATE **Kansas**

CONTRACTOR **STP Drilling & Rig #1**
 SPUD **11-30-21** COMP **12-7-21**
 SAMPLES SAVED FROM **3540 TO R.I.B.**

FORMATION TOPS AND STRUCTURAL POSITION

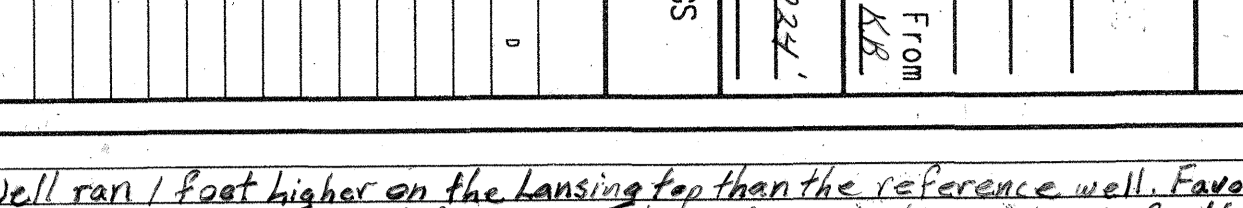
| FORMATION | SAMPLE | E. LOG | DEPTH | A | B | C | D |
|------------------|--------|--------|-------|---|---|---|---|
| Anhydrite | 2154 | 2147 + | 385 | | | | |
| Base Anhydrite | 2180 | 2184 + | 348 | | | | |
| Tapeka | 3540 | 3537 - | 1005 | | | | |
| Hecbner | 3753 | 3750 - | 1218 | | | | |
| Toronto | 3724 | 3721 - | 1239 | | | | |
| Lansing | 3790 | 3787 - | 1255 | | | | |
| Base Kansas City | 4027 | 4025 - | 1493 | | | | |
| Total Depth | 4100 | 4098 - | 1566 | | | | |

REFERENCE WELLS
 1. R.I. Investment, Balling A # 1, 1304' F.W. + 1000' F.W. Sec 17-10S-25W
 2.
 3.

REMARKS: This well ran 1 foot higher on the Lansing top than the reference well. Favorable recovery on DST #3 warranted the cementing of production casing to further test the well. The zone from 3992'-3997' should be tested.

Richard B. Bell
 12-8-21

LEGEND



LOG 7710

| DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | OIL SHOWS | REMARKS |
|-------|---|---|-----------|---|
| 2140 | Anhydrite | | | |
| 2160 | conn | | | |
| 2180 | Base Anhydrite | | | |
| 2200 | conn | | | |
| 3450 | conn | | | |
| 3500 | conn | | | |
| 20 | LS: wh-ta fxl n dns | sh: drk gry | | Samples are lagged Good Samples |
| 40 | LS: gry mtd fslf dns | | | |
| 60 | LS: wh-ta fslf, fr. inpart φ | N.S.O. | | |
| 80 | LS: wh-ta lt. gry sh. cky - fslf inpart φ | N.S.O. No cut | | |
| 3600 | sh: gry + brn | | | |
| 20 | LS: ta fslf mtd dns | N.S.O. | | |
| 40 | LS: wh-ta sli. cky - fslf inpart φ | N.S.O. | | |
| 60 | LS: wh-ta fxl n - fslf inpart φ | N.S.O. | | |
| 80 | LS: a.a. | | | |
| 60 | sh: blk Carb | LS: ta-gry mtd fslf dns | | |
| 60 | sltstone: lt. gry | | | |
| 80 | LS: ta-gry sli. dolie fxl n inpart φ | pp φ N.S.O. | | |
| 80 | LS: ta-lt. gry fslf dns | incr sh: brn + gry | | |
| 3700 | LS: wh-ta sli. suc - fxl n | ls: wh-ta N.S.O. | | |
| 20 | sh: blk Carb sh | LS: ta-gry fslf pp φ | | |
| 20 | LS: wh-ta sli. cky - fxl n - fslf | Tr oolc N.S.O. | | |
| 40 | LS: ta fxl n ool - oolc inpart φ | N.S.O. | | |
| 60 | LS: ta-lt. gry fslf dns | N.S.O. | | |
| 60 | sh: blk Carb | LS: ta-lt. brn fslf dns | | |
| 60 | sh: lt. gry stly, drk gry + brn | | | |
| 80 | LS: wh-ta fxl n sub ool - ool pp φ | brn sptd φ | | |
| 3800 | LS: wh-ta fxl n dns | strng odor & wh-ta | | |
| 20 | LS: wh-ta fxl n ool inpart φ | brn sptd φ str pp φ. sour odor & wh-ta | | Short Trip @ 3800' Trilobite Testing |
| 40 | LS: wh-ta fxl n dns | | | |
| 60 | LS: a.a. sh: gry | | | |
| 80 | LS: ta-brn-lt. gry fxl n - fslf | N.S.O. dns. | | |
| 80 | LS: wh-ta fxl n - fslf ool inpart φ | Tr vgy φ lt. sptd φ sin pp φ. sour odor | | |
| 3900 | LS: wh-ta sli. cky - fxl n dns | | | |
| 20 | sh: blk Carb sh | | | |
| 40 | sh: gry + brn | | | |
| 40 | LS: ta-brn mtd fslf dns | Tr asph edge str | | |
| 60 | LS: ta fslf mtd dns | Tr asph sphs lt. cut on crush | | |
| 80 | LS: ta fxl n ool inpart φ - Tr vgy φ | F.O. fr odor | | |
| 4000 | shly: brn stly, gry | | | |
| 40 | LS: ta ool - inpart φ | brn o str pp φ. fr. odor | | |
| 20 | sltstone: lt. gry, brn | | | |
| 20 | LS: wh-ta fxl n - fslf dns | N.S.O. Tr Δ or | | |
| 40 | incr sh: gry + brn | Tr ss: gry, v. ta. an. consol ingran φ N.S.O. | | |
| 60 | sh: gry + brn | | | |
| 80 | LS: wh-ta-lt. gry fxl n dns | | | |
| 4100 | sh: gry + brn shly lm | wh-brn fslf dns | | |

DST #1 3810'-3826'
 30-30-30-30
 IF: wk 1/4" blow
 FF: No blow
 Recovery: 1' m 1/2" spks
 Hyd: 1837-1854#
 FP: 17-17/18-18#
 BHP: 20-18#
 BH Temp: 111°F
 Incline @ 3826' 3/4"
 Board 3844'.21'
 Strap 3842'.72'
 Riff 1.49'

DST #2 3821'-3844'
 30-30-30-30
 IF: wk surface blow
 FF: No blow
 Recovery: 1' Mud
 Hyd: 1863-1867#
 FP: 13-18/18-18#
 BHP: 20-18#
 BH Temp: 108°F

DST #3 3883'-4006'
 30-45-30-45
 IF: B.O.B. in 2 1/4 min.
 ISF: B.O.B. in 2 min
 FF: B.O.B. in 2 min
 FSI: increased to 94"
 Recovery: 1133' G.I.P.
 567' Total Fluid
 442' G.O. 202g, 80% O
 Gravity: 27° A.P.I.
 120 G+HOCM 252g
 357 O, 40% M
 Hyd: 1957-1888#
 FP: 72-136/170-212#
 BHP: 937-916#
 BH Temp: 124°F