



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1223356
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1223356

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 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 | | | | |
| | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|--|---|

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | F. G. Holl Company L.L.C. |
| Well Name | SCHMIDT TRUST "A" 1-11 |
| Doc ID | 1223356 |

All Electric Logs Run

| |
|-----------------------|
| |
| BHCS |
| CNL/CDL |
| DIL |
| Microresistivity |
| CPI |
| Sonic Cement Bond log |
| Fracfinder |

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | F. G. Holl Company L.L.C. |
| Well Name | SCHMIDT TRUST "A" 1-11 |
| Doc ID | 1223356 |

Tops

| Name | Top | Datum |
|---------------|------|-------|
| Herrington | 1847 | +115 |
| Winfield | 1897 | +65 |
| Towanda | 1964 | -2 |
| Fort Riley | 2007 | -45 |
| B/Florence | 2110 | -148 |
| Kinney Ls | 2125 | -163 |
| Wrefold | 2157 | -195 |
| Council Grove | 2178 | -216 |
| Crouse | 2218 | -256 |
| Neva | 2356 | -394 |
| Red Eagle | 2417 | -455 |
| Root Shale | 2654 | -692 |
| Stotler | 2697 | -735 |
| Tarkio | 2771 | -809 |
| Howard | 2910 | -948 |
| Severy Shale | 2961 | -999 |
| Topeka | 2987 | -1025 |
| Heebner | 3245 | -1283 |
| Toronto | 3264 | -1302 |
| Douglas Shale | 3276 | -1314 |
| Brown Lime | 3331 | -1369 |
| LKC | 3343 | -1381 |
| Drum | 3472 | -1510 |
| BKC | 3571 | -1609 |

| | |
|-----------|---------------------------|
| Form | ACO1 - Well Completion |
| Operator | F. G. Holl Company L.L.C. |
| Well Name | SCHMIDT TRUST "A" 1-11 |
| Doc ID | 1223356 |

Tops

| Name | Top | Datum |
|--------------|------|-------|
| Conglomerate | 3585 | -1623 |
| Arbuckle | 3683 | -1721 |
| RTD | 3900 | -1938 |



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 11080 A

DATE 11-20-15 TICKET NO. _____

| DATE OF JOB <u>8/17/2015</u> | DISTRICT <u>District 1</u> | NEW WELL <input type="checkbox"/> | OLD WELL <input type="checkbox"/> | PROD <input type="checkbox"/> | INJ <input type="checkbox"/> | WDW <input type="checkbox"/> | CUSTOMER ORDER NO.: | | | |
|----------------------------------|---------------------------------|-----------------------------------|-----------------------------------|-------------------------------|------------------------------|------------------------------|---------------------|----|----|--------------|
| CUSTOMER <u>FG PUMP CO - LLC</u> | LEASE <u>Schm...</u> | WELL NO. <u>111</u> | | | | | | | | |
| ADDRESS | COUNTY <u>Barton</u> | STATE <u>KS</u> | | | | | | | | |
| CITY | STATE | SERVICE CREW <u>Drew</u> | | | | | | | | |
| AUTHORIZED BY | JOB TYPE: <u>CHL 4 1/2 inch</u> | | | | | | | | | |
| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED | DATE | AM | PM | TIME |
| <u>2720</u> | <u>1</u> | | | | | ARRIVED AT JOB | <u>8:15</u> | | | <u>30</u> |
| <u>27463</u> | <u>1</u> | | | | | START OPERATION | <u>8:15</u> | | | <u>30</u> |
| <u>19831</u> | <u>1</u> | | | | | FINISH OPERATION | <u>8:15</u> | | | <u>30</u> |
| <u>19862</u> | <u>1</u> | | | | | RELEASED | <u>8:17</u> | | | <u>10:00</u> |
| | | | | | | MILES FROM STATION TO WELL | | | | |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP105 | DCZ Cement | SK | 165 | | |
| CP103 | 60lbm Dye | SK | 75 | | |
| CC102 | Collodisc | Lb | 42 | | |
| CC105 | C 410 | Lb | 39 | | |
| CC111 | SCM | Lb | 318 | | |
| CC115 | C 410 | Lb | 156 | | |
| CC119 | FLP-322 | Lb | 156 | | |
| CC201 | G 7500 | Lb | 825 | | |
| CF106 | 19" casing plus 4 1/2" (Blue) | FS | 1 | | |
| CF107 | 19" casing plus 4 1/2" (Blue) | FS | 1 | | |
| CF108 | 19" casing plus 4 1/2" (Blue) | FS | 8 | | |
| CF109 | 4 1/2" casing (Blue) | FS | 1 | | |
| CF102 | Cement Sealant | FS | 30 | | |
| CC154 | Summit | SSI | 500 | | |
| FF100 | 4 1/2" casing | FS | 70 | | |
| FF101 | 11 1/2" casing | FS | 140 | | |
| FF102 | 11 1/2" casing | FS | 774 | | |
| CF204 | Dona Cheese 3004 - 41# | 41# | 1 | | |
| CF240 | Br... | SK | 240 | | |

SUB TOTAL 66

| CHEMICAL / ACID DATA | | | |
|----------------------|--|--|--|
| | | | |
| | | | |
| | | | |

| | | | |
|---------------------|------------|--|--|
| SERVICE & EQUIPMENT | %TAX ON \$ | | |
| MATERIALS | %TAX ON \$ | | |
| TOTAL | | | |

| | |
|------------------------------------|---|
| SERVICE REPRESENTATIVE <u>Drew</u> | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Drew</u> |
|------------------------------------|---|

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

| | | |
|--|------------------------------|--|
| Customer FG HOLL CO. LLC | Lease No. | Date 8-19-2014 |
| Lease Schmidt Truss A | Well # 1-11 | |
| Field Order # 11080 | Station Pratt KS | Casing 4 1/2 Depth 3893 County Barton State KS |
| Type Job CNOI 4 1/2 long strings | Formation TD. 3906 | Legal Description 11-20-15 |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|-----------------------------|--------------|------------------|----|-----------------------|------------------|-------|------------------|
| Casing Size 4 1/2 | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP |
| Depth 3893 | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume 62 | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press | Max Press | From | To | Frac | Avg | | 15 Min. |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth 3880 | Packer Depth | From | To | Flush Water | Gas Volume | | Total Load |

| | | |
|--|---|---------------------------------|
| Customer Representative ADGM | Station Manager Kevin Gordale | Treater Darin Frsnick |
| Service Units 27283 27463 | 19831 19862 | |
| Driver Names Darin Josh | Core Core | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|--------|-----------------|-----------------|--------------|------|---|
| 1:30pm | | | | | On location / SS Per. Meeting 4 1/2 Casing 3893' 10.5# BSSite #6 Turbulizers # 3, 4, 5, 6, 7, 8, 9, 10 Cement - AA 2 Cement, 25% deflocmer 10% Sclt, 1% Gss Block, 1% FLA-322 1/4# cellofloc, 5# Gilsomite, 15 PDG 1.43 x.e. 12, 5.52 water Res. |
| 8:00 | 300 | | 5 | 4 | Pump 5 bbls water |
| | 300 | | 12 | 4 | 12 bbls Super Flush |
| | 300 | | 5 | 4 | 5 bbls water |
| | 300 | | 6 | 4 | mix 25 SK SCSuenser |
| | 300 | | 42 | 4 | mix 165 SK cement |
| | | | 0 | 0 | Shut down |
| | | | 5 | 3 | wash pump & lines |
| | | | 0 | 0 | Release plus |
| | 150 | | 0 | 5 | Static displacement |
| | 400 | | 40 | 5 | Life Pressure |
| | 500 | | 50 | 3 | slow Rate |
| 8:30pm | 1500 | | 60 | 3 | BUMP PLUS |
| | | | | | Floater - Held |



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.10 @ 06:30:00

End Date: 2014.08.10 @ 11:18:30

Job Ticket #: DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:52:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

Test Start: 2014.08.10 @ 06:30:00

GENERAL INFORMATION:

Formation: **Herrington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:30

Time Test Ended: 11:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5

Interval: 1812.00 ft (KB) To 1910.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 1910.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400 Inside

Press@RunDepth: 93.49 psig @ 1878.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.10

End Date:

2014.08.10

Last Calib.: 2014.08.10

Start Time: 06:31:00

End Time:

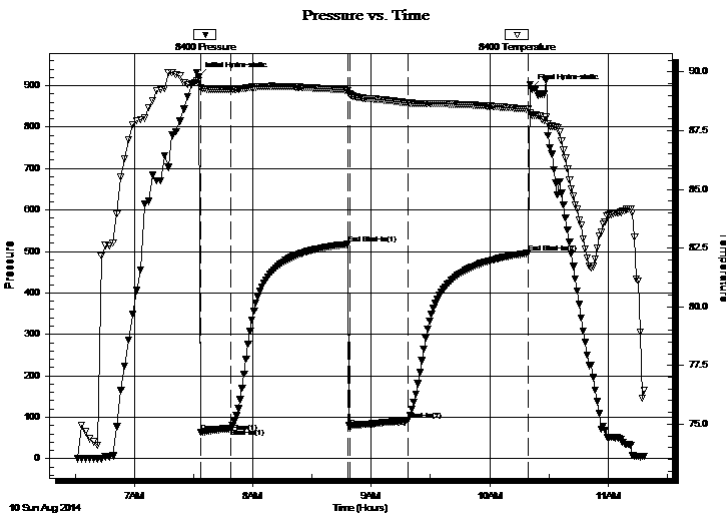
11:18:30

Time On Btm: 2014.08.10 @ 07:32:30

Time Off Btm: 2014.08.10 @ 10:21:00

TEST COMMENT: IFP 15 Minutes- Weak blow built 5"
ISI 60 Minutes- No blow back
FFP Minutes- Weak blow built 6"
FSI 60 Minutes- No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 920.90 | 89.63 | Initial Hydro-static |
| 1 | 63.34 | 89.34 | Open To Flow (1) |
| 16 | 72.81 | 89.25 | Shut-In(1) |
| 76 | 517.61 | 89.21 | End Shut-In(1) |
| 77 | 76.80 | 89.06 | Open To Flow (2) |
| 106 | 93.49 | 88.68 | Shut-In(2) |
| 167 | 496.17 | 88.41 | End Shut-In(2) |
| 169 | 892.55 | 88.18 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 80.00 | mud | 1.12 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

Test Start: 2014.08.10 @ 06:30:00

GENERAL INFORMATION:

Formation: **Herrington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:33:30

Time Test Ended: 11:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5

Interval: 1812.00 ft (KB) To 1910.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 1910.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525 Outside

Press@RunDepth: 502.24 psig @ 1879.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.10

End Date:

2014.08.10

Last Calib.: 2014.08.10

Start Time: 06:31:00

End Time:

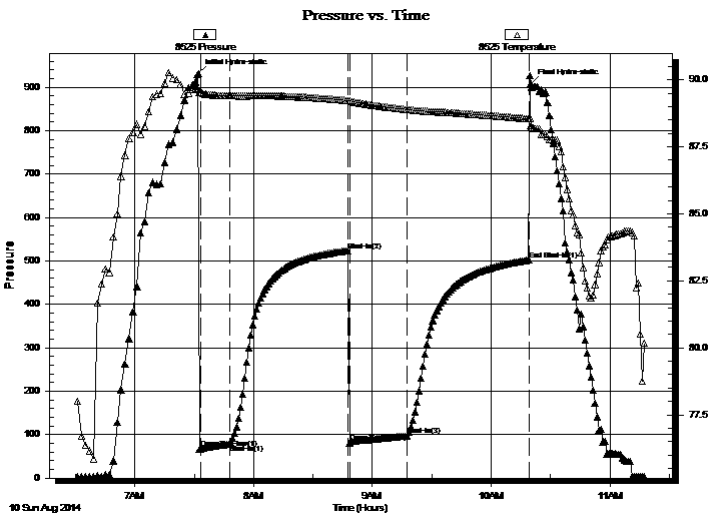
11:18:00

Time On Btm: 2014.08.10 @ 07:32:00

Time Off Btm: 2014.08.10 @ 10:20:00

TEST COMMENT: IFP 15 Minutes- Weak blow built 5"
ISI 60 Minutes- No blow back
FFP Minutes- Weak blow built 6"
FSI 60 Minutes- No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 932.24 | 89.64 | Initial Hydro-static |
| 1 | 67.93 | 89.53 | Open To Flow (1) |
| 16 | 78.15 | 89.40 | Shut-In(1) |
| 76 | 523.71 | 89.23 | Shut-In(2) |
| 77 | 81.78 | 89.21 | Open To Flow (2) |
| 106 | 97.80 | 88.89 | Shut-In(3) |
| 167 | 502.24 | 88.54 | End Shut-In(1) |
| 168 | 909.07 | 88.28 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 80.00 | mud | 1.12 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

Test Start: 2014.08.10 @ 06:30:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 1808.00 ft | Diameter: 3.80 inches | Volume: 25.36 bbl | Tool Weight: 1000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 25.36 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 24.00 ft | | | String Weight: Initial 30000.00 lb |
| Depth to Top Packer: | 1812.00 ft | | | Final 30000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 98.00 ft | | | |
| Tool Length: | 126.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool | 5.00 | | | 1789.00 | |
| Hydraulic tool | 5.00 | | | 1794.00 | |
| Jars | 6.00 | | | 1800.00 | |
| Safety Joint | 2.00 | | | 1802.00 | |
| Packer | 5.00 | | | 1807.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 1812.00 | |
| Change Over Sub | 0.75 | | | 1812.75 | |
| Drill Pipe | 63.50 | | | 1876.25 | |
| Change Over Sub | 0.75 | | | 1877.00 | |
| Recorder | 1.00 | 8400 | Inside | 1878.00 | |
| Recorder | 1.00 | 8525 | Outside | 1879.00 | |
| Anchor | 28.00 | | | 1907.00 | |
| Bullnose | 3.00 | | | 1910.00 | 98.00 Bottom Packers & Anchor |

Total Tool Length: 126.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: **DST#: 1**

ATTN: Ryan Greenbaum

Test Start: 2014.08.10 @ 06:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 42.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.69 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 35000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 80.00 | mud | 1.122 |

Total Length: 80.00 ft Total Volume: 1.122 bbl

Num Fluid Samples: 0

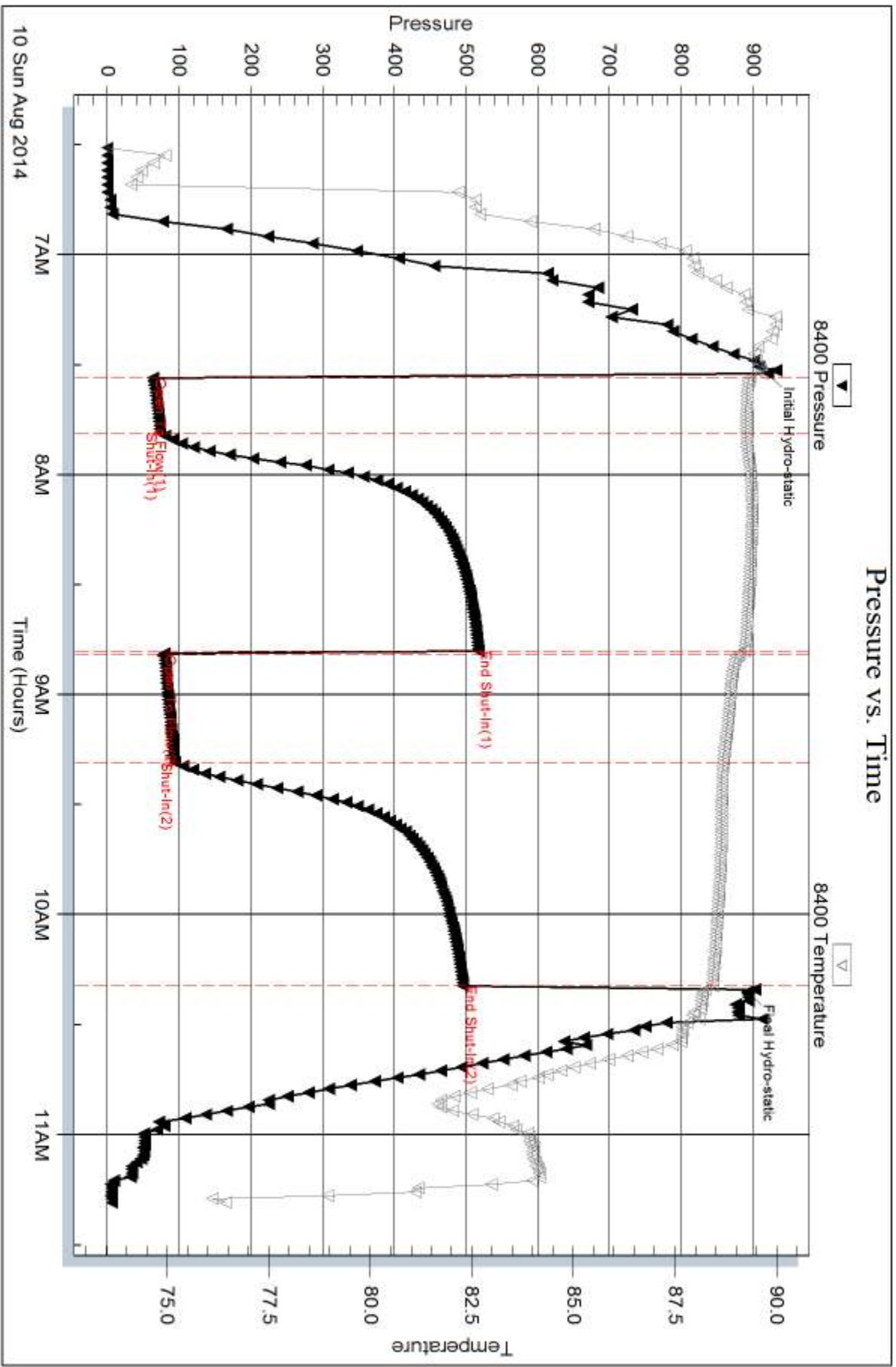
Num Gas Bombs: 0

Serial #:

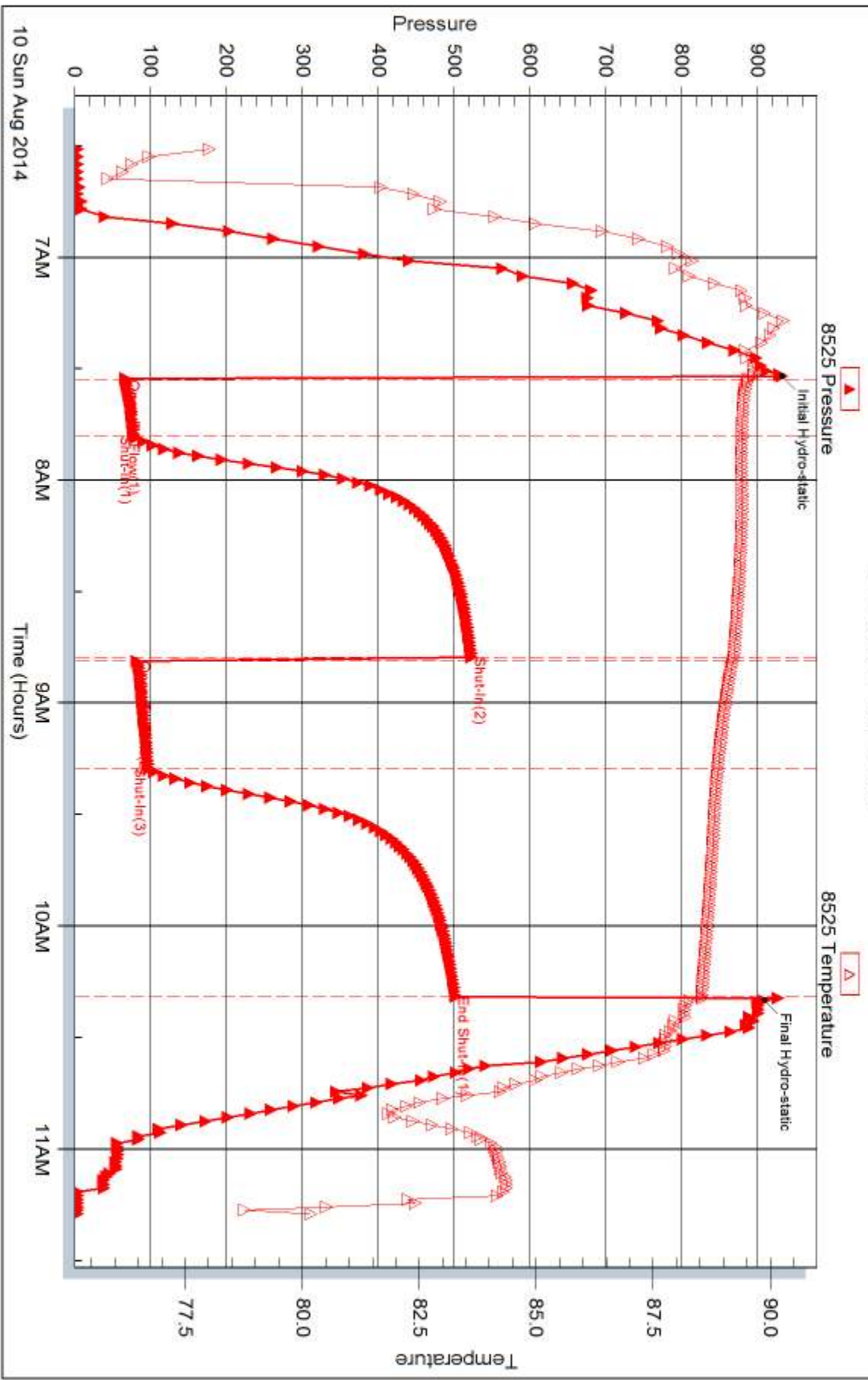
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.11 @ 04:20:00

End Date: 2014.08.11 @ 08:18:00

Job Ticket #: DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:51:34



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 2**

Test Start: 2014.08.11 @ 04:20:00

GENERAL INFORMATION:

Formation: **Red Eagle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:32:30

Time Test Ended: 08:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4

Interval: 2430.00 ft (KB) To 2456.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 2456.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 33.37 psig @ 2452.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.11

End Date:

2014.08.11

Last Calib.:

2014.08.12

Start Time:

04:20:00

End Time:

08:18:00

Time On Btm:

2014.08.11 @ 05:32:00

Time Off Btm:

2014.08.11 @ 07:03:30

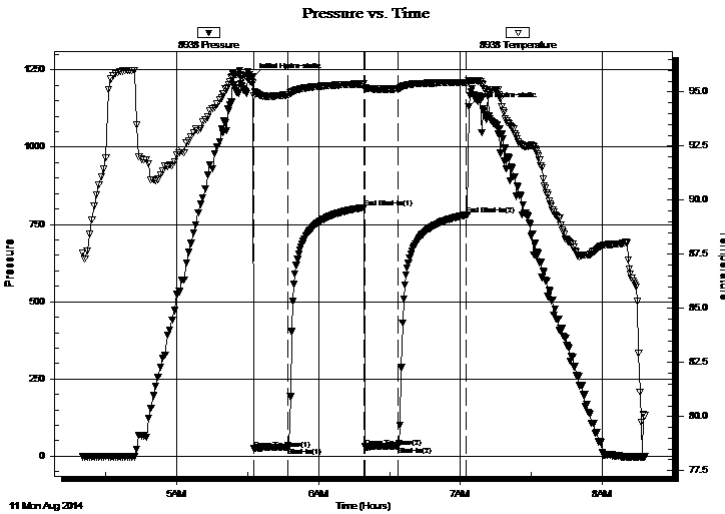
TEST COMMENT: IFP 15 Minutes Very weak surface blow for 8 minutes and died

ISI 30 Minutes-No blow back

FFP 15 Minutes-No blow

FSI 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1226.48 | 95.41 | Initial Hydro-static |
| 1 | 24.04 | 94.81 | Open To Flow (1) |
| 15 | 29.88 | 94.87 | Shut-In(1) |
| 47 | 804.60 | 95.37 | End Shut-In(1) |
| 48 | 30.36 | 95.16 | Open To Flow (2) |
| 62 | 33.37 | 95.14 | Shut-In(2) |
| 91 | 781.27 | 95.42 | End Shut-In(2) |
| 92 | 1130.63 | 95.50 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 20.00 | Drilling Mud | 0.28 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 2**

Test Start: 2014.08.11 @ 04:20:00

GENERAL INFORMATION:

Formation: **Red Eagle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:32:30

Time Test Ended: 08:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4

Interval: 2430.00 ft (KB) To 2456.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 2456.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Outside

Press@RunDepth: 783.15 psig @ 2453.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.08.11

End Date:

2014.08.11

Last Calib.:

2014.08.12

Start Time: 04:19:00

End Time:

08:18:30

Time On Btm:

2014.08.11 @ 05:32:00

Time Off Btm:

2014.08.11 @ 07:03:00

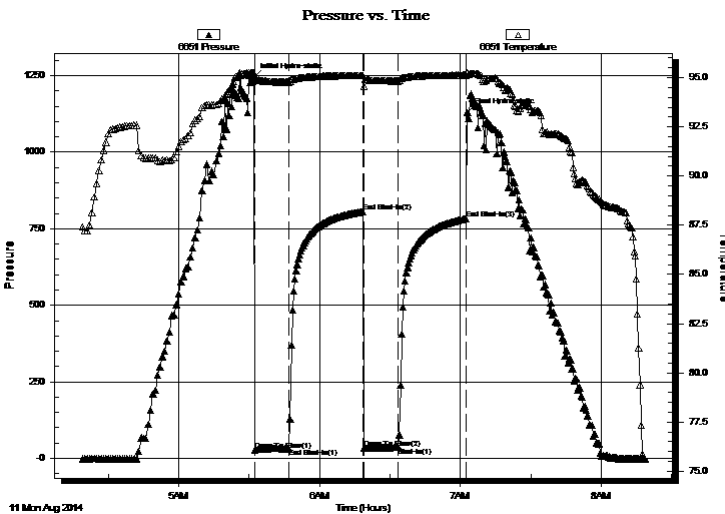
TEST COMMENT: IFP 15 Minutes Very weak surface blow for 8 minutes and died

ISI 30 Minutes-No blow back

FFP 15 Minutes-No blow

FSI 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1242.39 | 95.26 | Initial Hydro-static |
| 1 | 27.56 | 94.85 | Open To Flow (1) |
| 15 | 31.36 | 94.77 | End Shut-In(1) |
| 47 | 805.79 | 95.12 | End Shut-In(2) |
| 47 | 32.86 | 94.57 | Open To Flow (2) |
| 62 | 35.46 | 94.83 | Shut-In(1) |
| 91 | 783.15 | 95.12 | End Shut-In(3) |
| 91 | 1130.13 | 95.22 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 20.00 | Drilling Mud | 0.28 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 2**

Test Start: 2014.08.11 @ 04:20:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2435.00 ft | Diameter: 3.80 inches | Volume: 34.16 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 56000.00 lb |
| | | | <u>Total Volume: 34.16 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 33.00 ft | | | String Weight: Initial 39000.00 lb |
| Depth to Top Packer: | 2430.00 ft | | | Final 39000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 26.00 ft | | | |
| Tool Length: | 54.00 ft | | | |
| Number of Packers: | 1 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut-In Tool | 5.00 | | | 2407.00 | |
| Hydraulic Tool | 5.00 | | | 2412.00 | |
| Jars | 6.00 | | | 2418.00 | |
| Safety Joint | 2.00 | | | 2420.00 | |
| Top Packer | 5.00 | | | 2425.00 | |
| Packer | 5.00 | | | 2430.00 | 28.00 Bottom Of Top Packer |
| Anchor | 21.00 | | | 2451.00 | |
| Recorder | 1.00 | 8938 | Inside | 2452.00 | |
| Recorder | 1.00 | 6651 | Outside | 2453.00 | |
| Bull Plug | 3.00 | | | 2456.00 | 26.00 Anchor Tool |
| Total Tool Length: | 54.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: **DST#: 2**

ATTN: Ryan Greenbaum

Test Start: 2014.08.11 @ 04:20:00

Mud and Cushion Information

| | | | | | |
|--------------|-----------------------|-----------------------|------|-----------------|---------|
| Mud Type: | | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 10.00 lb/gal | Cushion Length: | ft | Water Salinity: | ppm |
| Viscosity: | 35.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 16.67 in ³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 35000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 20.00 | Drilling Mud | 0.281 |

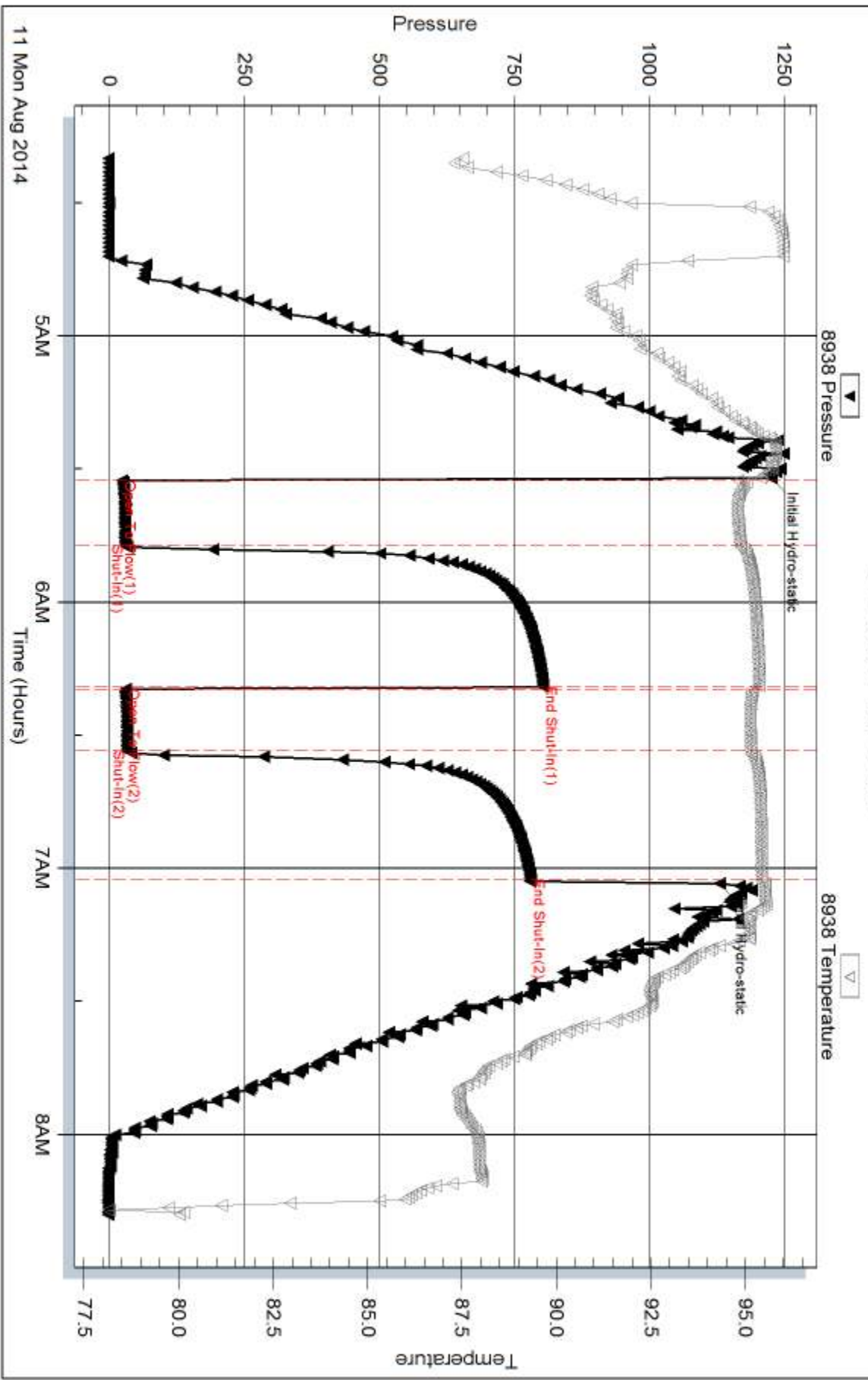
Total Length: 20.00 ft Total Volume: 0.281 bbl

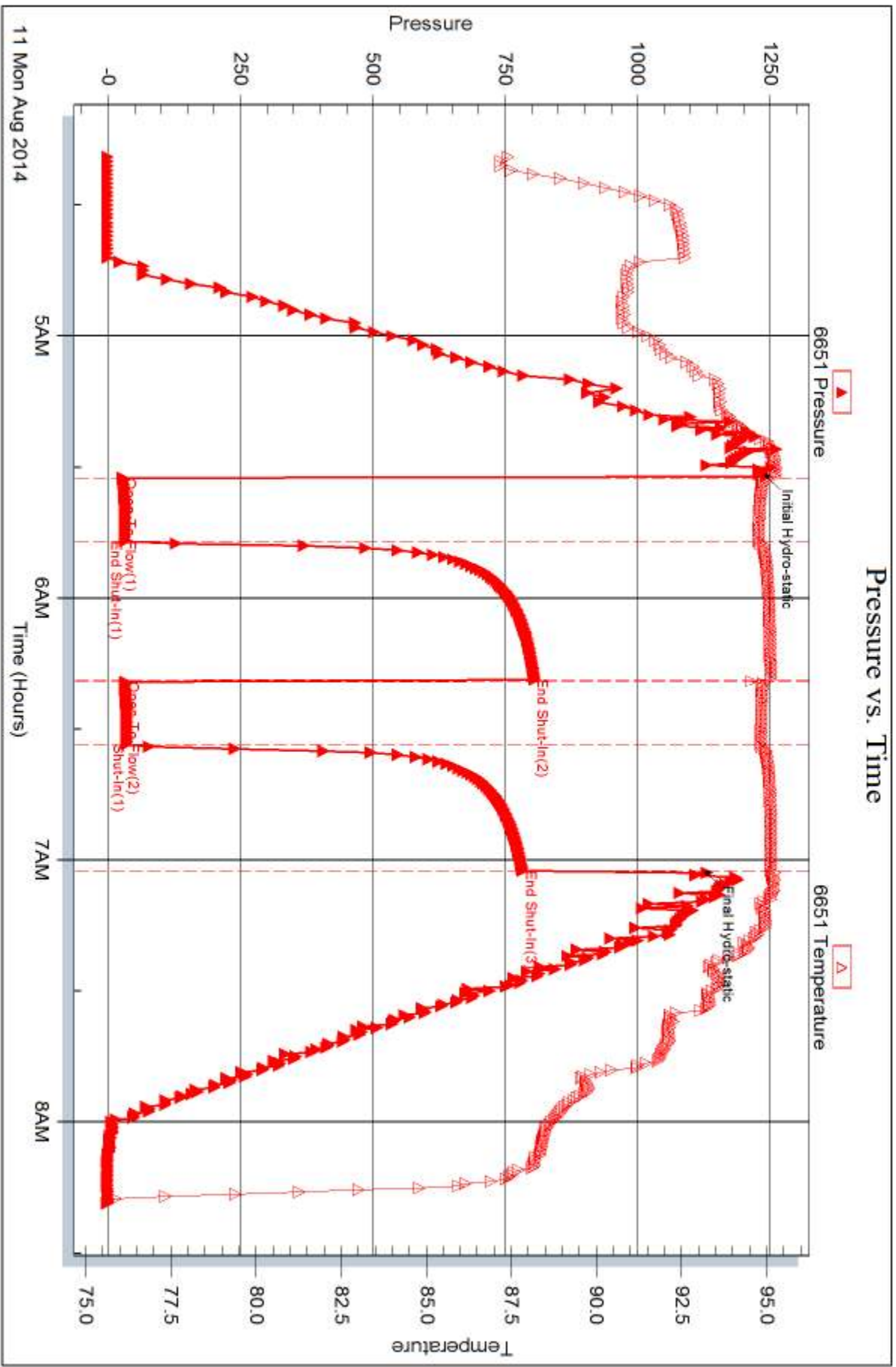
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.15 @ 00:00:00

End Date:

Job Ticket #: 60356

DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:51:03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60356

DST#: 3

Test Start: 2014.08.15 @ 00:00:00

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 great bend

Interval: 3550.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1142.15 psig @ 3636.07 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.15

Last Calib.: 1899.12.30

Start Time: 22:06:00

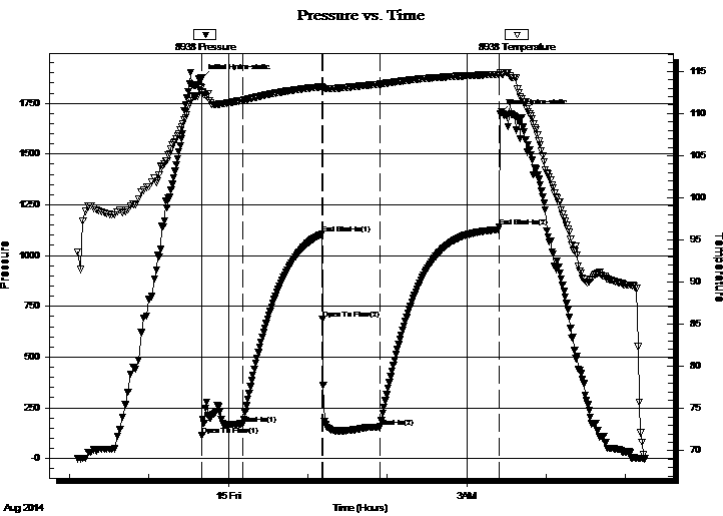
End Time:

05:14:30

Time On Btm: 2014.08.14 @ 23:39:30

Time Off Btm: 2014.08.15 @ 03:25:30

TEST COMMENT: 1st Opening 30 Minutes-Good blow built to the bottom of a 5 gallon bucket in 2 minutes gas to surface in 18 min.
1st Shut-In 60 Minutes-Good blow back
2nd Opening 45 Minutes-Strong blow
2nd Shut-In 90 Minutes-Good Blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1873.80 | 113.04 | Initial Hydro-static |
| 1 | 113.62 | 112.52 | Open To Flow (1) |
| 31 | 171.48 | 111.55 | Shut-In(1) |
| 91 | 1105.44 | 113.18 | End Shut-In(1) |
| 92 | 687.98 | 113.05 | Open To Flow (2) |
| 135 | 156.32 | 113.47 | Shut-In(2) |
| 225 | 1142.15 | 114.65 | End Shut-In(2) |
| 226 | 1697.84 | 114.85 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 275.00 | Heavy Drilling Mud | 3.86 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.50 | 2.00 | 110.63 |
| Last Gas Rate | 0.25 | 30.00 | 70.44 |
| Max. Gas Rate | 0.25 | 55.00 | 110.10 |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60356

DST#: 3

Test Start: 2014.08.15 @ 00:00:00

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 great bend

Interval: 3550.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651 Outside

Press@RunDepth: 1128.13 psig @ 3637.07 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.15

Last Calib.:

2014.08.15

Start Time:

22:06:00

End Time:

05:15:00

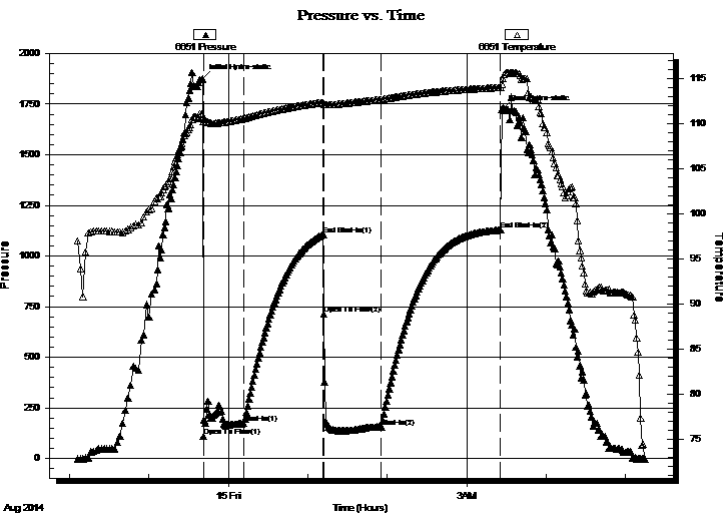
Time On Btm:

2014.08.14 @ 23:40:30

Time Off Btm:

2014.08.15 @ 03:26:30

TEST COMMENT: 1st Opening 30 Minutes-Good blow built to the bottom of a 5 gallon bucket in 2 minutes gas to surface in 18 min.
1st Shut-In 60 Minutes-Good blow back
2nd Opening 45 Minutes-Strong blow
2nd Shut-In 90 Minutes-Good Blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1874.49 | 110.96 | Initial Hydro-static |
| 1 | 108.52 | 110.24 | Open To Flow (1) |
| 31 | 172.56 | 110.54 | Shut-In(1) |
| 91 | 1106.71 | 112.33 | End Shut-In(1) |
| 92 | 712.83 | 112.13 | Open To Flow (2) |
| 135 | 156.13 | 112.65 | Shut-In(2) |
| 225 | 1128.13 | 113.99 | End Shut-In(2) |
| 226 | 1725.18 | 114.37 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 275.00 | Heavy Drilling Mud | 3.86 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.50 | 2.00 | 110.63 |
| Last Gas Rate | 0.25 | 30.00 | 70.44 |
| Max. Gas Rate | 0.25 | 55.00 | 110.10 |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60356

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 00:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3530.00 ft | Diameter: 3.80 inches | Volume: 49.52 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 82000.00 lb |
| | | | <u>Total Volume: 49.52 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 8.00 ft | | | String Weight: Initial 57000.00 lb |
| Depth to Top Packer: | 3550.00 ft | | | Final 59000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 90.07 ft | | | |
| Tool Length: | 118.07 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

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

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------------------|
| Shut-In Tool | 5.00 | | | 3527.00 | |
| Hydraulic Tool | 5.00 | | | 3532.00 | |
| Jars | 6.00 | | | 3538.00 | |
| Safety Joint | 2.00 | | | 3540.00 | |
| Top Packer | 5.00 | | | 3545.00 | |
| Packer | 5.00 | | | 3550.00 | 28.00 Bottom Of Top Packer |
| Anchor | 0.00 | | | 3550.00 | |
| Change Over Sub | 0.75 | | | 3550.75 | |
| Drill Pipe | 62.57 | | | 3613.32 | |
| Change Over Sub | 0.75 | | | 3614.07 | |
| Anchor | 21.00 | | | 3635.07 | |
| Recorder | 1.00 | 8938 | Inside | 3636.07 | |
| Recorder | 1.00 | 6651 | Outside | 3637.07 | |
| Bull Plug | 3.00 | | | 3640.07 | 90.07 Anchor Tool |

Total Tool Length: 118.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60356

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 00:00:00

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:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 74.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|--------------------|----------------|
| 275.00 | Heavy Drilling Mud | 3.858 |

Total Length: 275.00 ft Total Volume: 3.858 bbl

Num Fluid Samples: 0

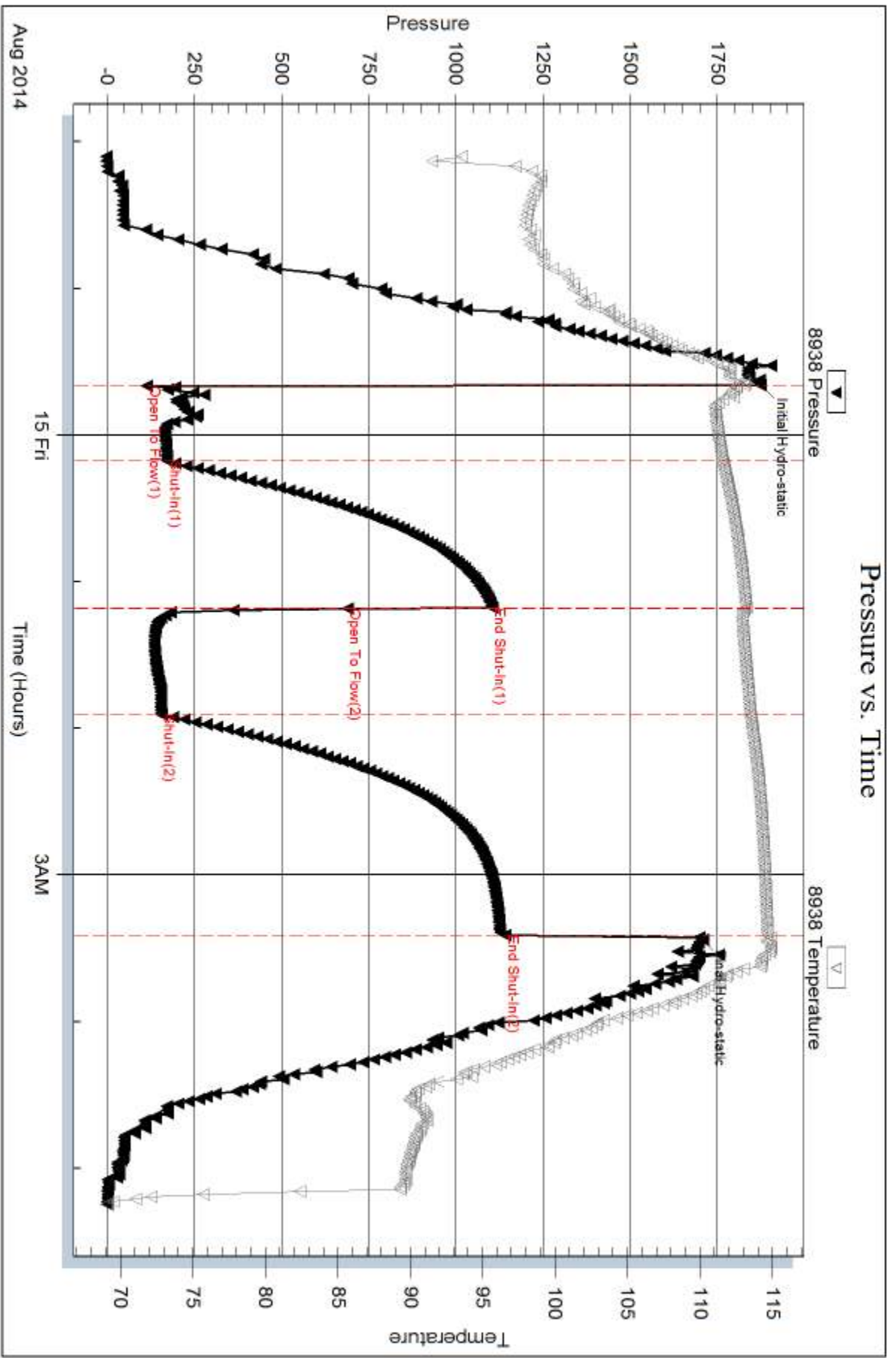
Num Gas Bombs: 0

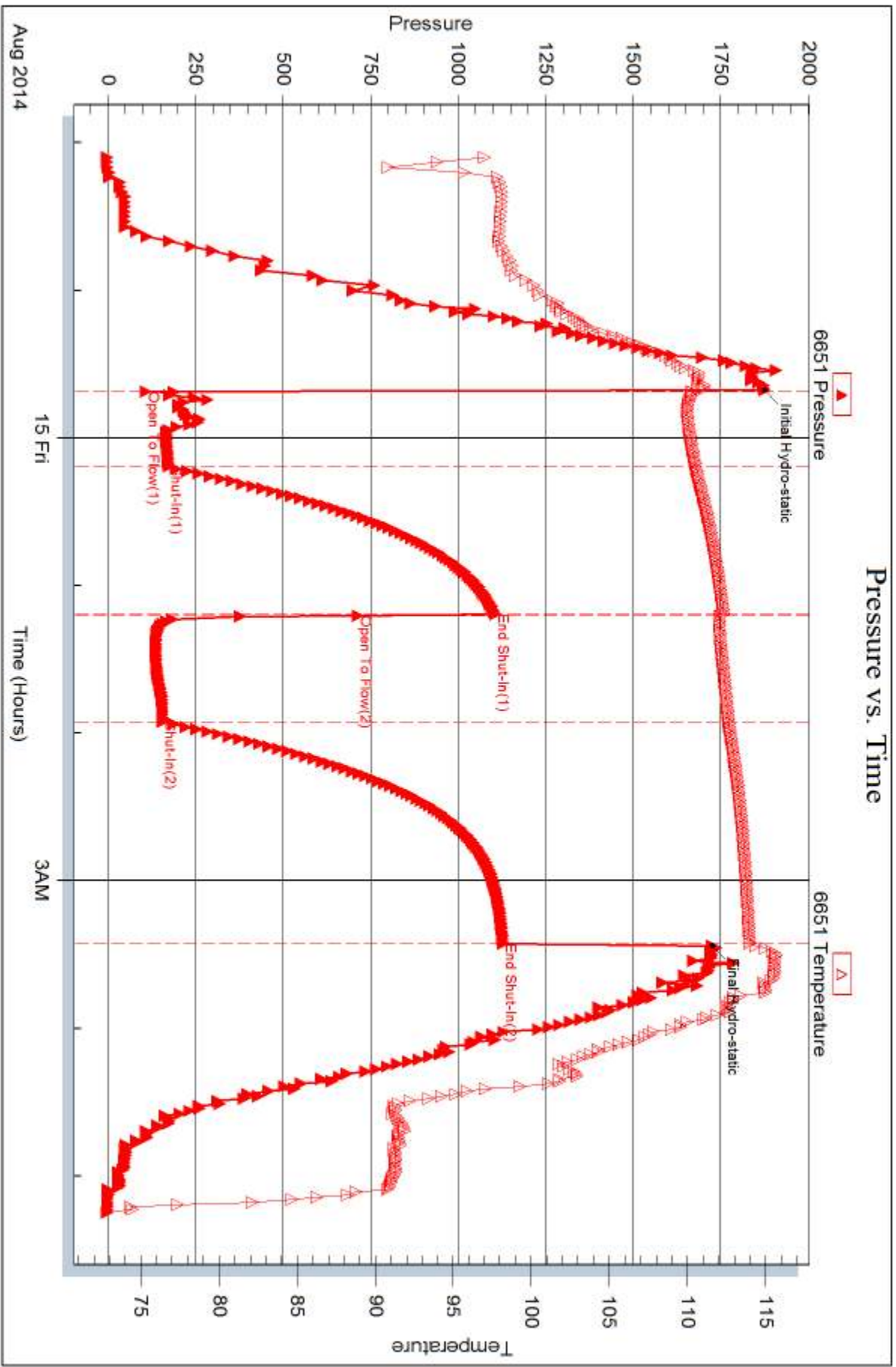
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.15 @ 18:37:00

End Date: 2014.08.15 @ 23:23:00

Job Ticket #: 60357 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:50:36

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 4

Arbuckle

2014.08.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60357

DST#: 4

Test Start: 2014.08.15 @ 18:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:12:00

Time Test Ended: 23:23:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 25 Great Bend

Interval: 3680.00 ft (KB) To 3688.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3688.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 27.40 psig @ 3685.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.16

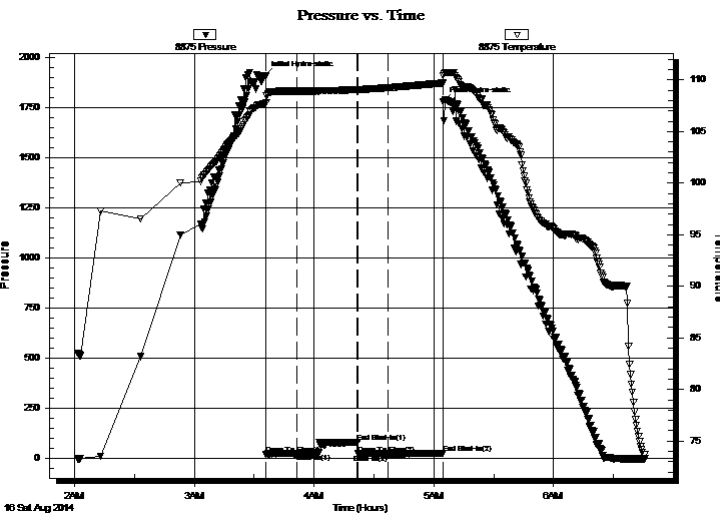
Start Time: 02:01:31

End Time: 06:45:55

Time On Btm: 2014.08.16 @ 03:35:26

Time Off Btm: 2014.08.16 @ 05:04:41

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 4 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1909.67 | 107.68 | Initial Hydro-static |
| 1 | 23.43 | 107.82 | Open To Flow (1) |
| 16 | 24.99 | 108.90 | Shut-In(1) |
| 47 | 82.47 | 109.07 | End Shut-In(1) |
| 47 | 24.11 | 109.06 | Open To Flow (2) |
| 62 | 23.75 | 109.24 | Shut-In(2) |
| 89 | 27.40 | 109.70 | End Shut-In(2) |
| 90 | 1780.83 | 110.41 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 15.00 | Drilling Mud | 0.21 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60357

DST#: 4

Test Start: 2014.08.15 @ 18:37:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:12:00

Time Test Ended: 23:23:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 25 Great Bend

Interval: 3680.00 ft (KB) To 3688.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3688.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 25.95 psig @ 3684.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.15

End Date:

2014.08.15

Last Calib.:

2014.08.16

Start Time: 18:38:00

End Time:

23:23:00

Time On Btm:

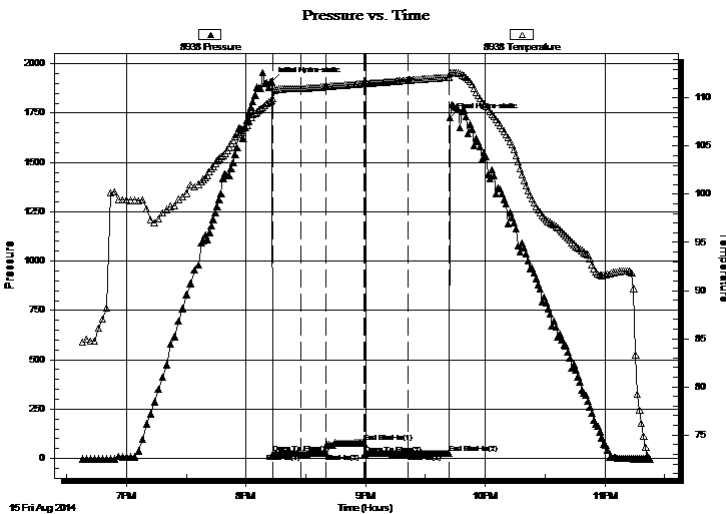
2014.08.15 @ 20:13:00

Time Off Btm:

2014.08.15 @ 21:42:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 4 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1907.42 | 109.73 | Initial Hydro-static |
| 1 | 23.81 | 109.96 | Open To Flow (1) |
| 15 | 23.93 | 110.99 | Shut-In(1) |
| 27 | 27.91 | 111.17 | Shut-In(2) |
| 46 | 80.56 | 111.50 | End Shut-In(1) |
| 47 | 21.72 | 111.47 | Open To Flow (2) |
| 68 | 23.78 | 111.84 | Shut-In(3) |
| 89 | 25.95 | 112.17 | End Shut-In(2) |
| 90 | 1728.67 | 112.60 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 15.00 | Drilling Mud | 0.21 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60357

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 18:37:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3655.00 ft | Diameter: 3.80 inches | Volume: 51.27 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 2000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 67000.00 lb |
| | | | <u>Total Volume: 51.27 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 3.00 ft | | | String Weight: Initial 52000.00 lb |
| Depth to Top Packer: | 3680.00 ft | | | Final 52000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 8.00 ft | | | |
| Tool Length: | 36.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|---------------------------|--------------|------|---------|---------|----------------------------|
| Shut-In Tool | 5.00 | | | 3657.00 | |
| Hydraulic Tool | 5.00 | | | 3662.00 | |
| Jars | 6.00 | | | 3668.00 | |
| Safety Joint | 2.00 | | | 3670.00 | |
| Top Packer | 5.00 | | | 3675.00 | |
| Packer | 5.00 | | | 3680.00 | 28.00 Bottom Of Top Packer |
| Anchor | 3.00 | | | 3683.00 | |
| Recorder | 1.00 | 8938 | Inside | 3684.00 | |
| Recorder | 1.00 | 8875 | Outside | 3685.00 | |
| Bull Plug | 3.00 | | | 3688.00 | 8.00 Anchor Tool |
| Total Tool Length: | 36.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60357

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2014.08.15 @ 18:37:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 15.00 | Drilling Mud | 0.210 |

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

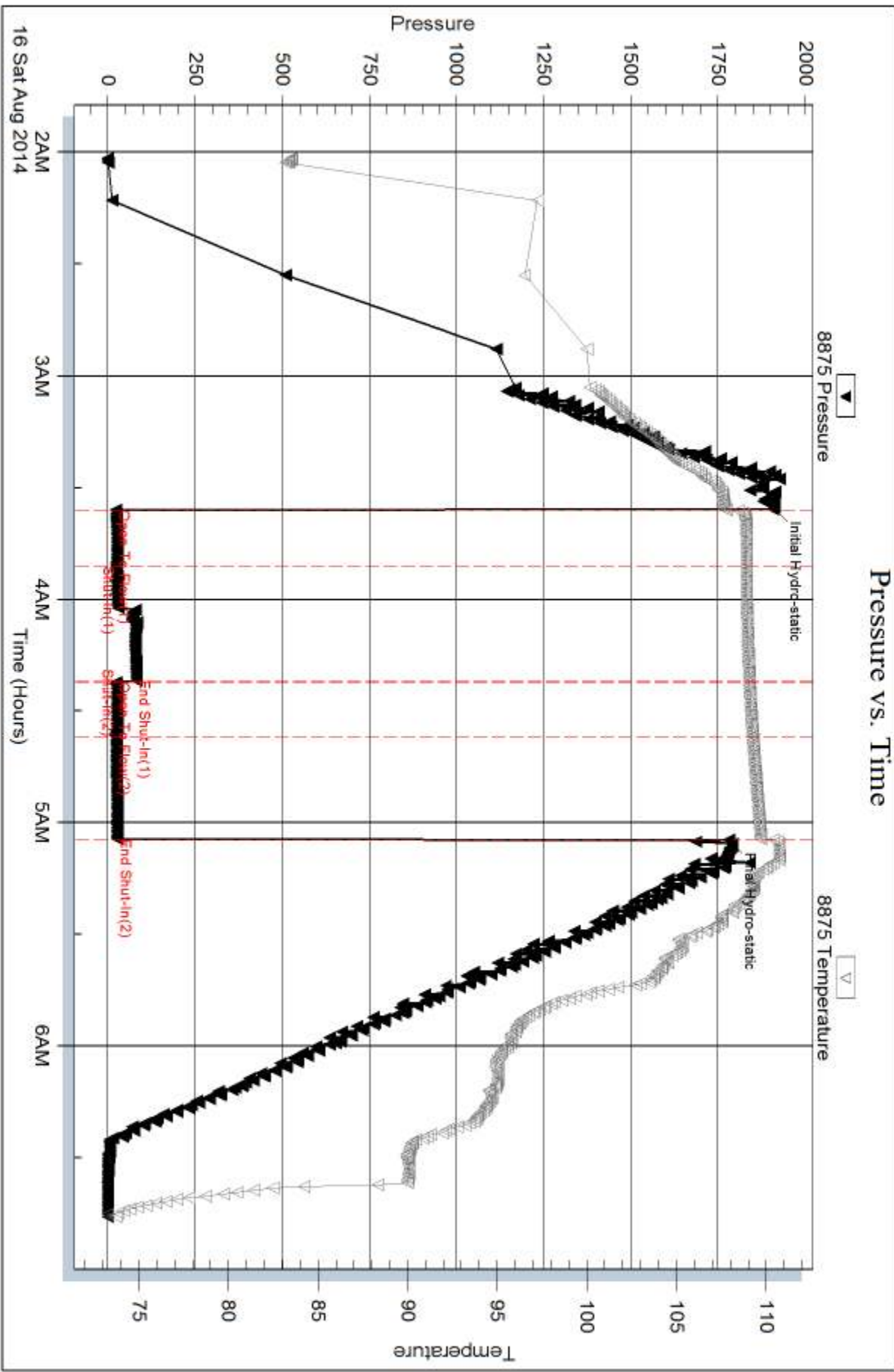
Num Gas Bombs: 0

Serial #:

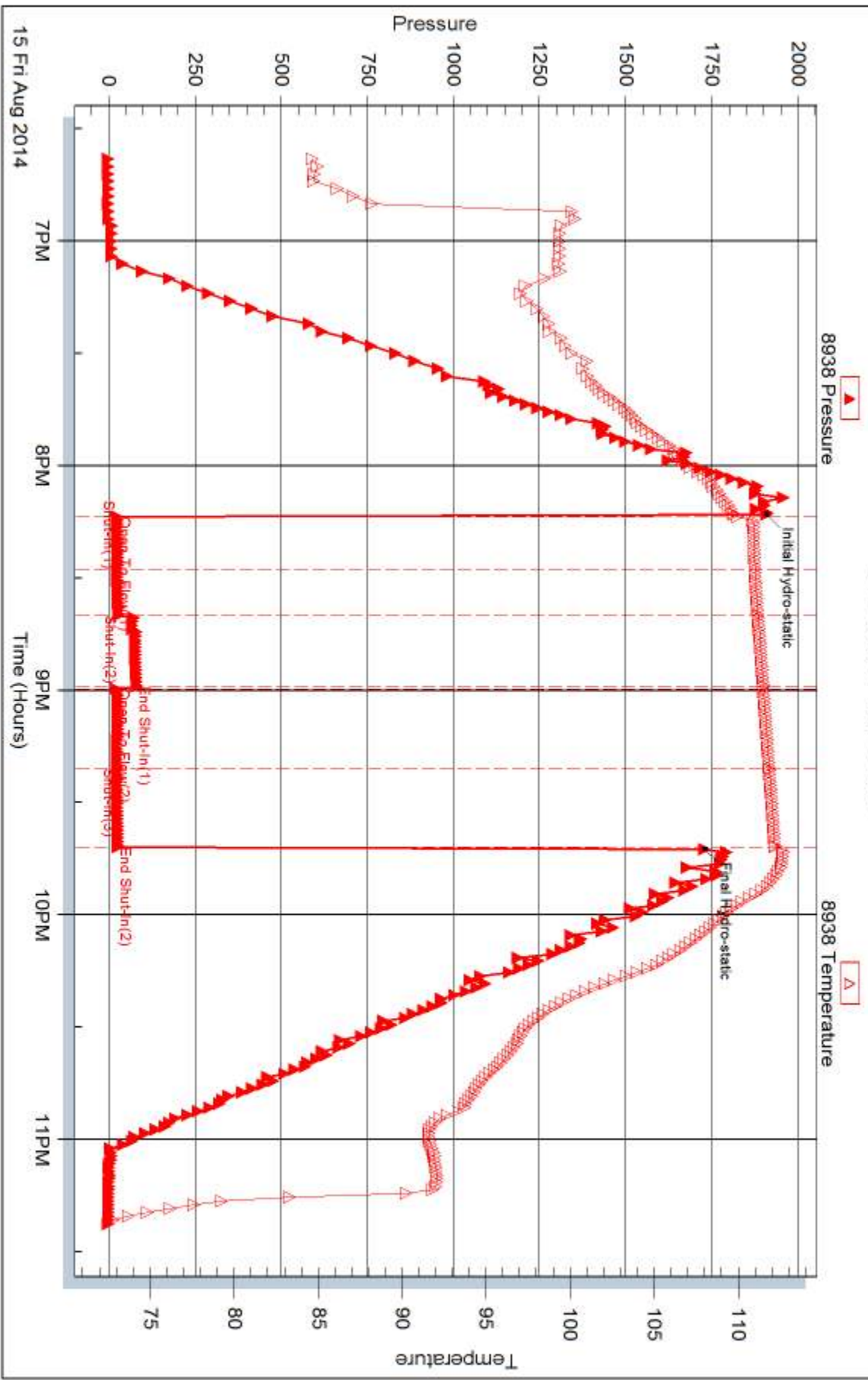
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.16 @ 07:40:00

End Date:

Job Ticket #: 60359

DST #: 5

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:50:06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60359

DST#: 5

Test Start: 2014.08.16 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:00

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24 from great Ben

Interval: 3688.00 ft (KB) To 3698.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3698.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1010.76 psig @ 3695.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.16

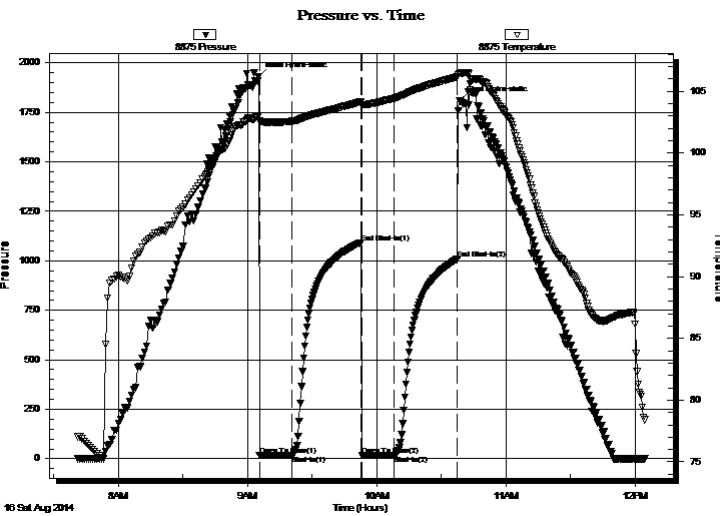
Start Time: 07:41:00

End Time: 12:04:30

Time On Btm: 2014.08.16 @ 09:05:00

Time Off Btm: 2014.08.16 @ 10:38:30

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow for 15 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shutp-In 30 Minutes-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1931.59 | 103.00 | Initial Hydro-static |
| 1 | 15.49 | 102.58 | Open To Flow (1) |
| 16 | 17.09 | 102.58 | Shut-In(1) |
| 48 | 1091.96 | 104.13 | End Shut-In(1) |
| 48 | 17.26 | 103.84 | Open To Flow (2) |
| 63 | 17.70 | 104.43 | Shut-In(2) |
| 93 | 1010.76 | 106.17 | End Shut-In(2) |
| 94 | 1807.98 | 106.43 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60359

DST#: 5

Test Start: 2014.08.16 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:00

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24 from great Ben

Interval: 3688.00 ft (KB) To 3698.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3698.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1008.77 psig @ 3694.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date:

2014.08.16

Last Calib.:

2014.08.16

Start Time: 07:41:00

End Time:

12:04:30

Time On Btm:

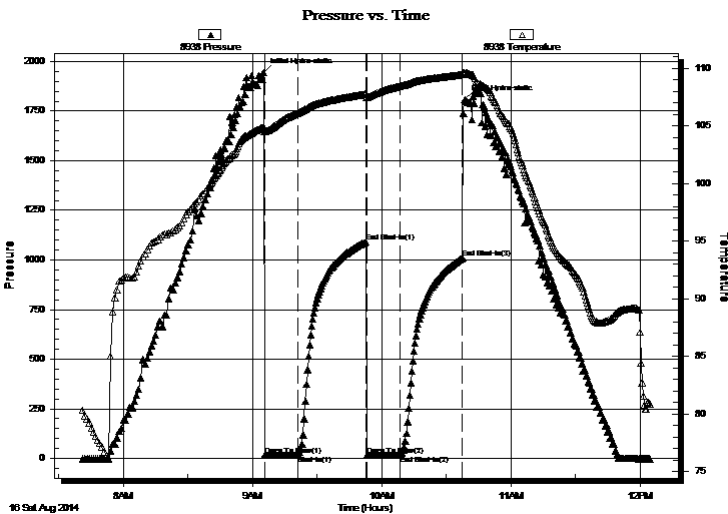
2014.08.16 @ 09:05:00

Time Off Btm:

2014.08.16 @ 10:38:30

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow for 15 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shutp-In 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1944.67 | 104.92 | Initial Hydro-static |
| 1 | 14.97 | 104.48 | Open To Flow (1) |
| 16 | 17.02 | 106.10 | Shut-In(1) |
| 48 | 1089.82 | 107.74 | End Shut-In(1) |
| 48 | 16.17 | 107.46 | Open To Flow (2) |
| 64 | 17.02 | 108.43 | End Shut-In(2) |
| 93 | 1008.77 | 109.43 | End Shut-In(3) |
| 94 | 1806.95 | 109.63 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60359

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 07:40:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3686.00 ft | Diameter: 3.75 inches | Volume: 50.35 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 68000.00 lb |
| | | | <u>Total Volume: 50.35 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3688.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 10.00 ft | | | |
| Tool Length: | 33.00 ft | | | |
| Number of Packers: | 1 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut-In Tool | 5.00 | | | 3670.00 | |
| Hydraulic Tool | 5.00 | | | 3675.00 | |
| Jars | 6.00 | | | 3681.00 | |
| Safety Joint | 2.00 | | | 3683.00 | |
| Packer | 5.00 | | | 3688.00 | 23.00 Bottom Of Top Packer |
| Anchor | 5.00 | | | 3693.00 | |
| Recorder | 1.00 | 8938 | Inside | 3694.00 | |
| Recorder | 1.00 | 8875 | Outside | 3695.00 | |
| Bull Plug | 3.00 | | | 3698.00 | 10.00 Anchor Tool |
| Total Tool Length: | 33.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60359

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 07:40:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 79.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 57000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 5.00 | Drilling Mud | 0.068 |

Total Length: 5.00 ft Total Volume: 0.068 bbl

Num Fluid Samples: 0

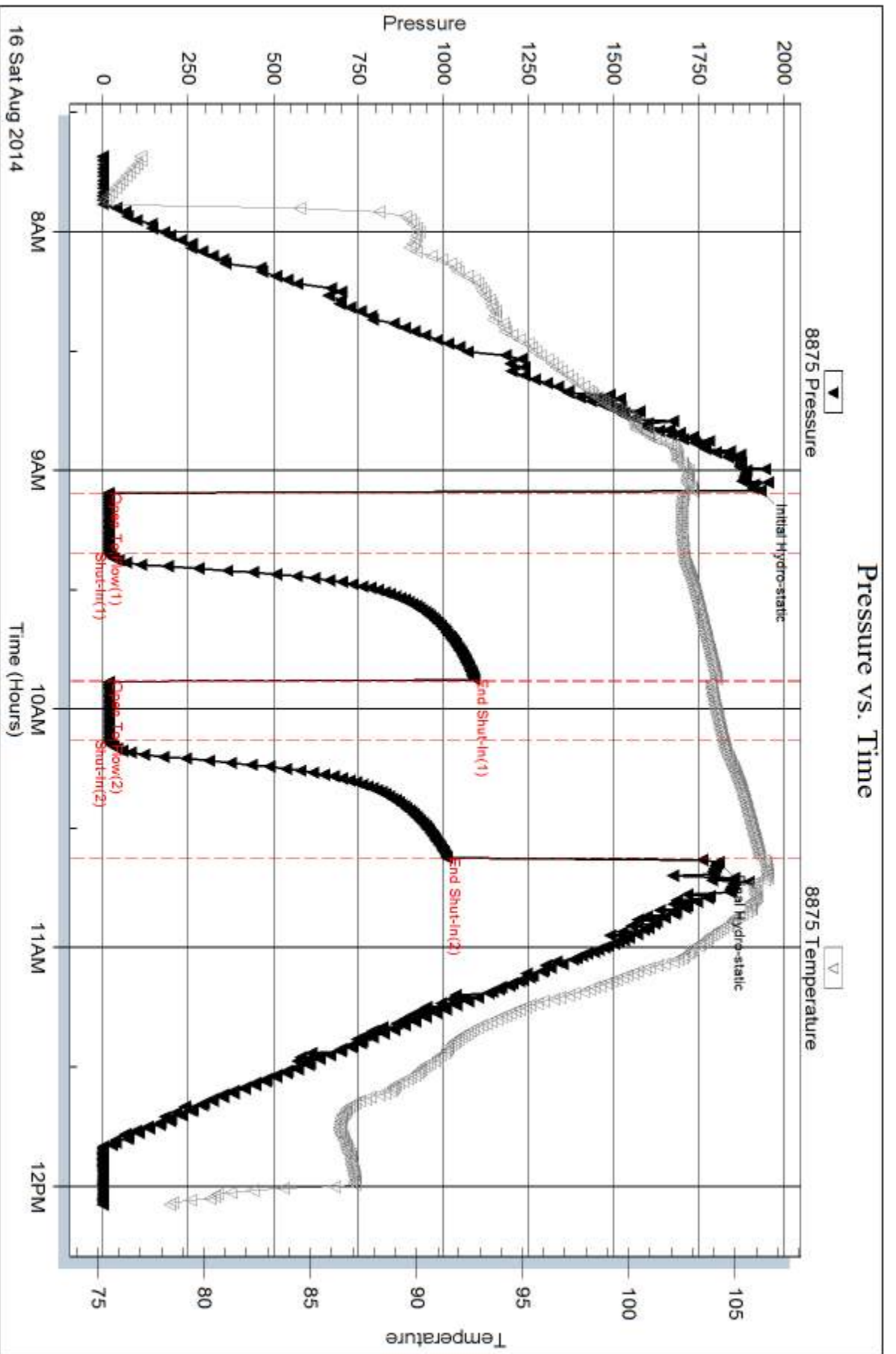
Num Gas Bombs: 0

Serial #:

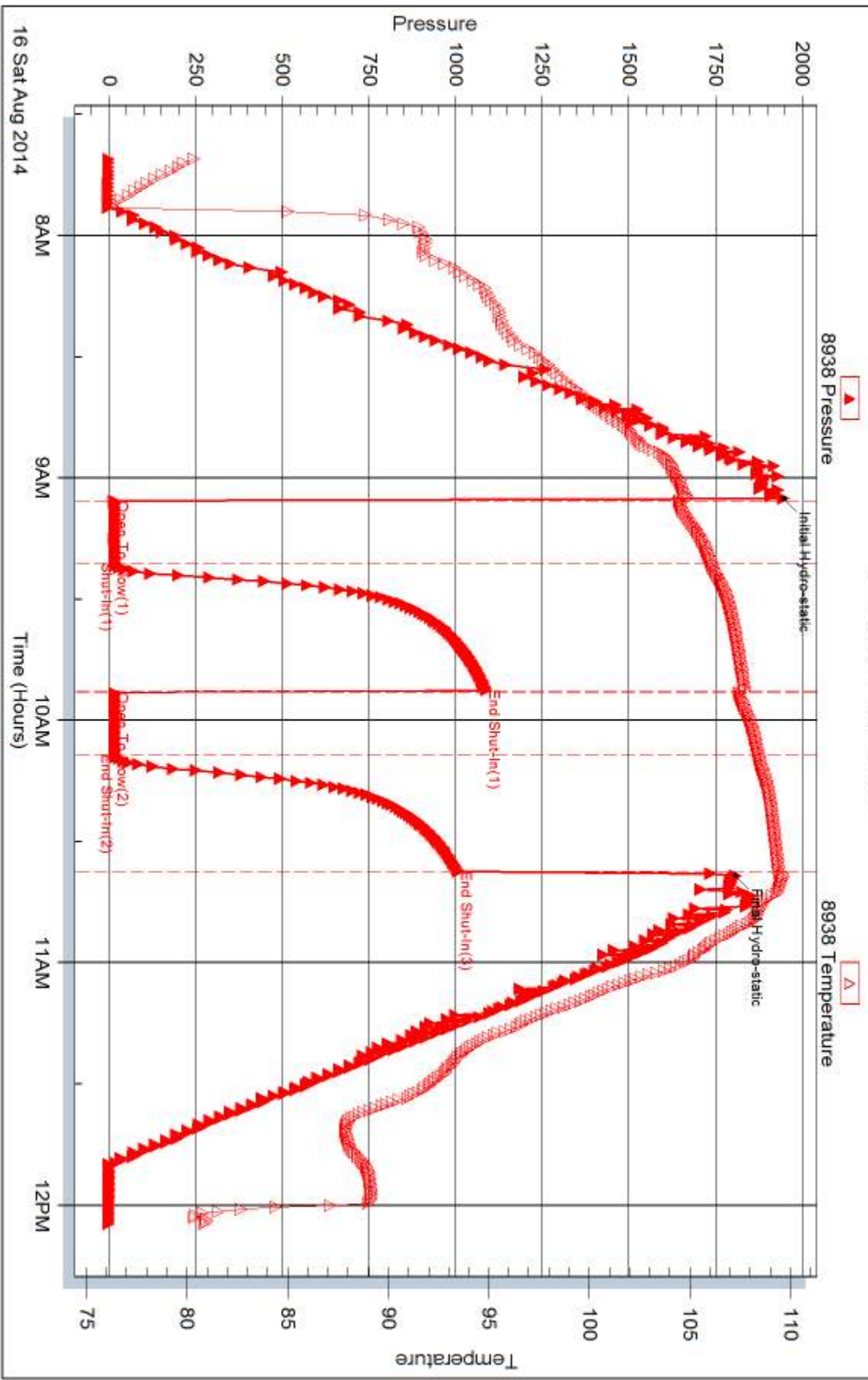
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.16 @ 19:20:00

End Date: 2014.08.17 @ 00:00:00

Job Ticket #: 60360 DST #: 6

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:49:38

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 6

Arbuckle

2014.08.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60360

DST#: 6

Test Start: 2014.08.16 @ 19:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24-from great ben

Interval: 3695.00 ft (KB) To 3705.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3705.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1066.19 psig @ 3701.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.17

Start Time: 19:21:00

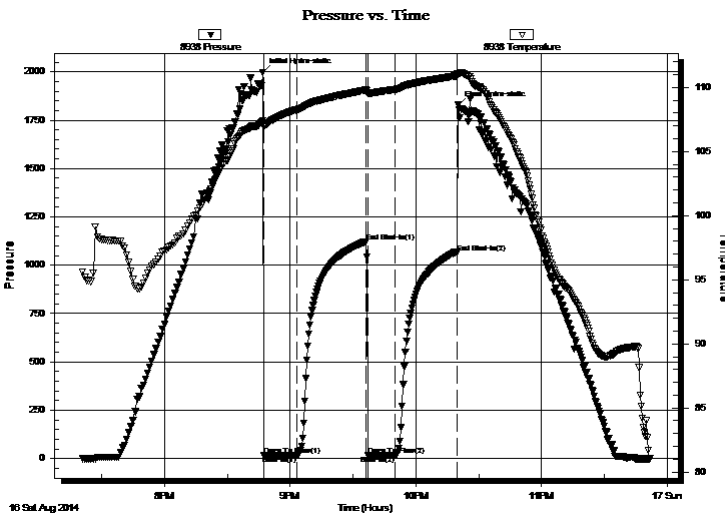
End Time: 23:51:30

Time On Btm: 2014.08.16 @ 20:47:00

Time Off Btm: 2014.08.16 @ 22:20:00

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow died in 4 minutes
1sat Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1996.99 | 107.40 | Initial Hydro-static |
| 1 | 17.32 | 106.96 | Open To Flow (1) |
| 16 | 16.43 | 108.27 | Shut-In(1) |
| 49 | 1122.01 | 109.79 | End Shut-In(1) |
| 50 | 16.83 | 109.53 | Open To Flow (2) |
| 63 | 16.79 | 109.85 | Shut-In(2) |
| 93 | 1066.19 | 110.90 | End Shut-In(2) |
| 93 | 1827.21 | 111.09 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60360

DST#: 6

Test Start: 2014.08.16 @ 19:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4-24-from great ben

Interval: 3695.00 ft (KB) To 3705.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3705.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1070.89 psig @ 3702.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.16

End Date: 2014.08.16

Last Calib.: 2014.08.17

Start Time: 19:21:00

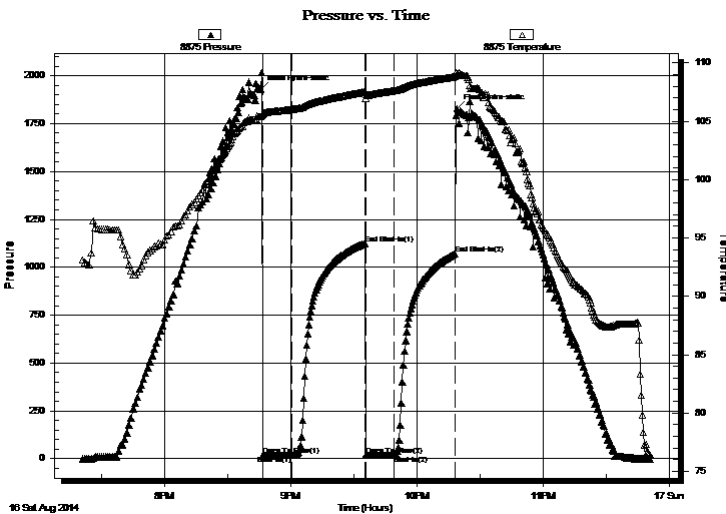
End Time: 23:50:30

Time On Btm: 2014.08.16 @ 20:45:30

Time Off Btm: 2014.08.16 @ 22:19:00

TEST COMMENT: 1st Opening 15 Minutes-Very weak surface blow died in 4 minutes
1sat Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1929.73 | 105.42 | Initial Hydro-static |
| 1 | 18.02 | 105.60 | Open To Flow (1) |
| 15 | 17.96 | 106.02 | Shut-In(1) |
| 50 | 1124.51 | 107.52 | End Shut-In(1) |
| 50 | 17.43 | 107.00 | Open To Flow (2) |
| 64 | 18.21 | 107.62 | Shut-In(2) |
| 93 | 1070.89 | 108.82 | End Shut-In(2) |
| 94 | 1830.01 | 109.04 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60360

DST#: 6

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 19:20:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3681.00 ft | Diameter: 3.80 inches | Volume: 51.63 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 86000.00 lb |
| | | | <u>Total Volume: 51.63 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 14.00 ft | | | String Weight: Initial 55000.00 lb |
| Depth to Top Packer: | 3695.00 ft | | | Final 55000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 10.00 ft | | | |
| Tool Length: | 38.00 ft | | | |
| Number of Packers: | 1 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|---------------------------|--------------|------|---------|---------|----------------------------|
| Shut-In Tool | 5.00 | | | 3672.00 | |
| Hydraulic Tool | 5.00 | | | 3677.00 | |
| Jars | 6.00 | | | 3683.00 | |
| Safety Joint | 2.00 | | | 3685.00 | |
| Top Packer | 5.00 | | | 3690.00 | |
| Packer | 5.00 | | | 3695.00 | 28.00 Bottom Of Top Packer |
| Anchor | 5.00 | | | 3700.00 | |
| Recorder | 1.00 | 8938 | Inside | 3701.00 | |
| Recorder | 1.00 | 8875 | Outside | 3702.00 | |
| Bull Plug | 3.00 | | | 3705.00 | 10.00 Anchor Tool |
| Total Tool Length: | 38.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60360

DST#: 6

ATTN: Ryan Greenbaum

Test Start: 2014.08.16 @ 19:20:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 5.00 | Drilling Mud | 0.070 |

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

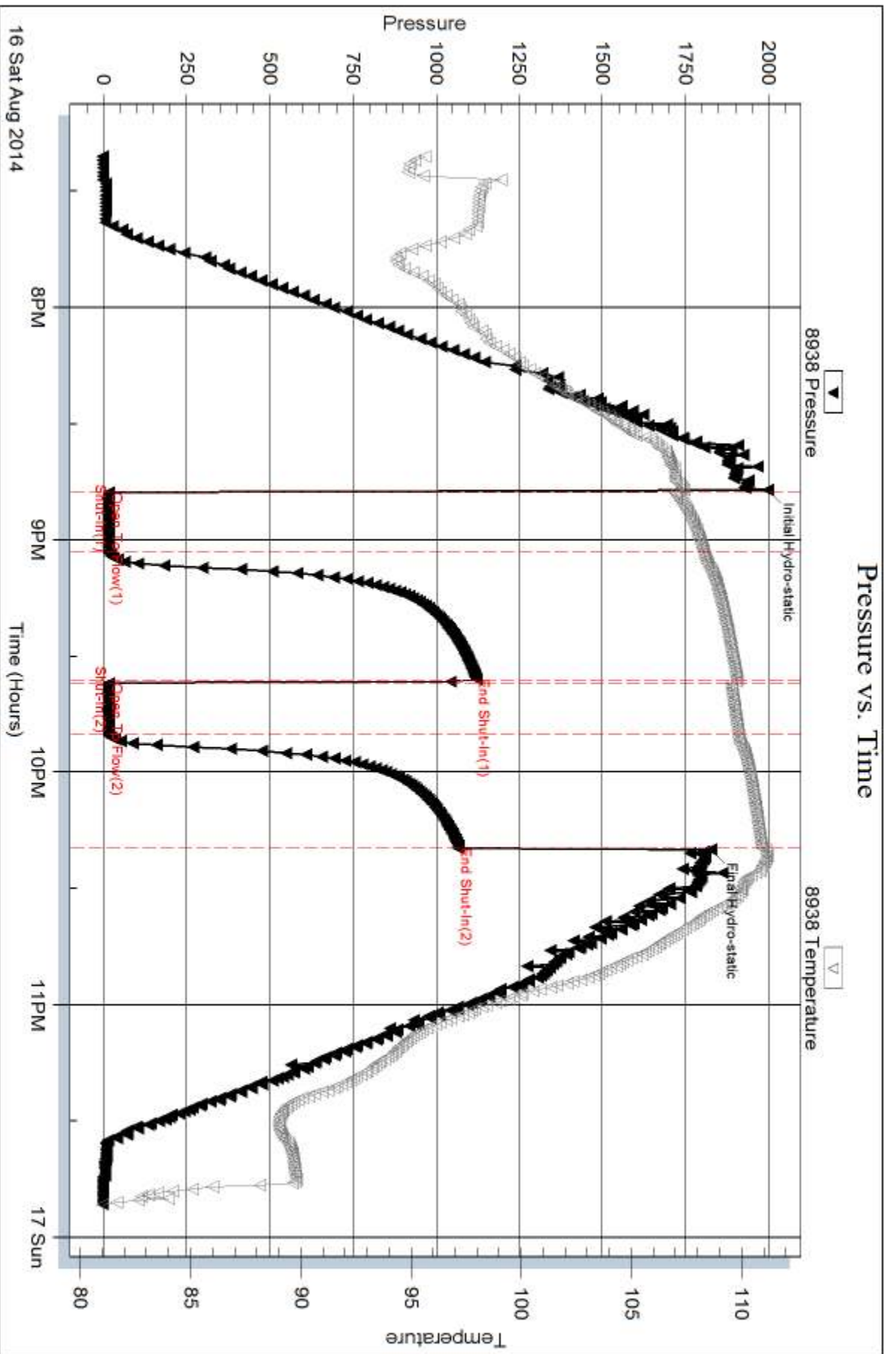
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



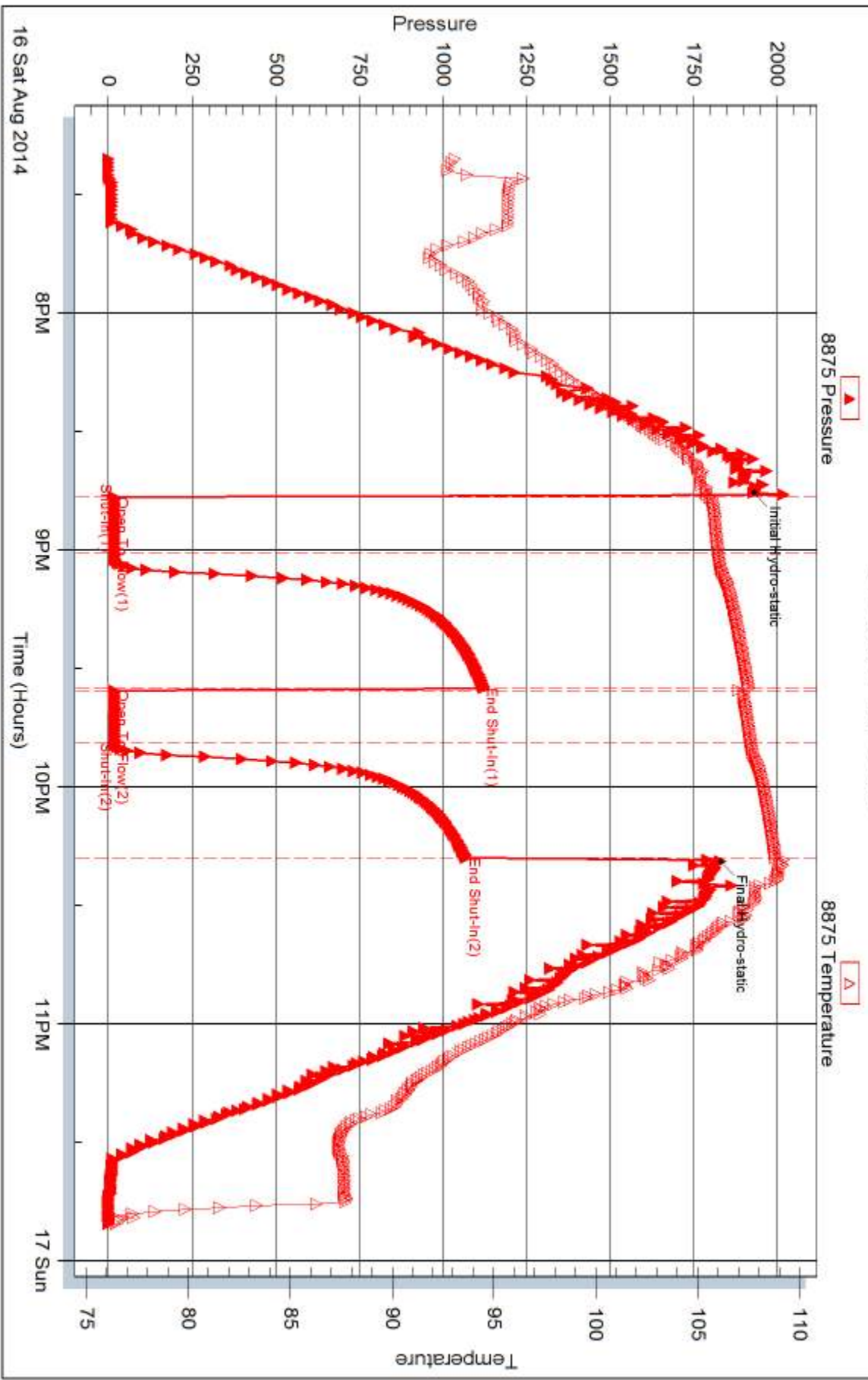
Serial #: 8875

Outside FG Holl Company L.L.C

Schmidt Trust A 1-11

DST Test Number: 6

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60360

Printed: 2014.08.22 @ 11:49:42



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.17 @ 07:40:00

End Date: 2014.08.17 @ 00:00:00

Job Ticket #: 60362 DST #: 7

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:41:17

FG Holl Company L.I.C

11-20s-15w Barton,KS

Schmidt Trust A 1-11

DST # 7

Arbuckle

2014.08.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 7

Test Start: 2014.08.17 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3705.00 ft (KB) To 3715.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3715.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1172.78 psig @ 3711.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date:

2014.08.17

Last Calib.:

2014.08.17

Start Time: 07:41:00

End Time:

11:59:00

Time On Btm:

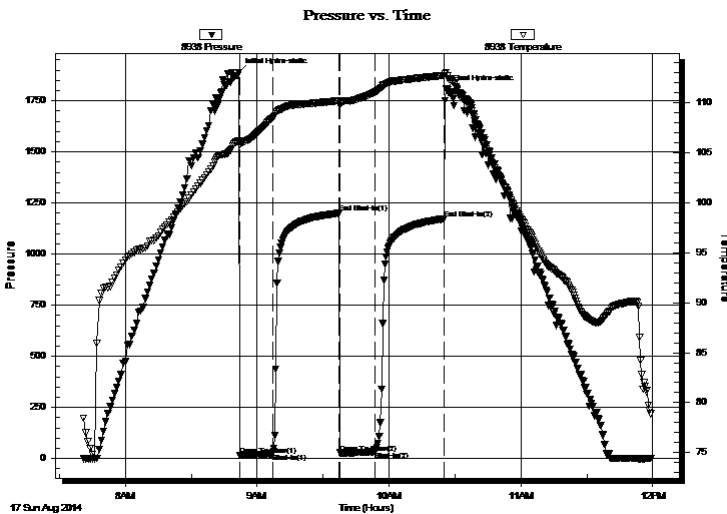
2014.08.17 @ 08:51:30

Time Off Btm:

2014.08.17 @ 10:26:00

TEST COMMENT: 1st Openig 15 Minutes-Very weak surface blow for 11 Minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-Very weak surface blow for 9 Minutes and died
2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1889.16 | 106.24 | Initial Hydro-static |
| 1 | 16.80 | 105.88 | Open To Flow (1) |
| 16 | 27.02 | 108.49 | Shut-In(1) |
| 46 | 1200.04 | 110.21 | End Shut-In(1) |
| 46 | 27.34 | 109.72 | Open To Flow (2) |
| 62 | 33.47 | 111.07 | Shut-In(2) |
| 94 | 1172.78 | 112.75 | End Shut-In(2) |
| 95 | 1807.32 | 113.05 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 7

Test Start: 2014.08.17 @ 07:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3705.00 ft (KB) To 3715.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3715.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1174.87 psig @ 3712.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date:

2014.08.17

Last Calib.:

2014.08.17

Start Time:

07:41:00

End Time:

11:58:30

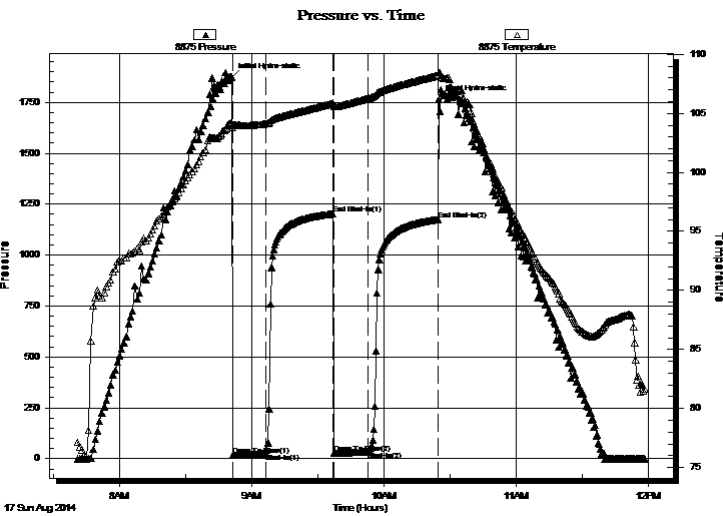
Time On Btm:

2014.08.17 @ 08:51:00

Time Off Btm:

2014.08.17 @ 10:25:00

TEST COMMENT: 1st Openig 15 Minutes-Very weak surface blow for 11 Minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-Very weak surface blow for 9 Minutes and died
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1873.55 | 104.22 | Initial Hydro-static |
| 1 | 16.98 | 103.78 | Open To Flow (1) |
| 16 | 24.84 | 104.12 | Shut-In(1) |
| 46 | 1202.73 | 105.86 | End Shut-In(1) |
| 47 | 26.17 | 105.59 | Open To Flow (2) |
| 62 | 34.76 | 106.28 | Shut-In(2) |
| 94 | 1174.87 | 108.20 | End Shut-In(2) |
| 94 | 1763.96 | 108.47 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 7

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:40:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3680.00 ft | Diameter: 3.80 inches | Volume: 51.62 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 72000.00 lb |
| | | | <u>Total Volume: 51.62 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 3.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3705.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 10.00 ft | | | |
| Tool Length: | 38.00 ft | | | |
| Number of Packers: | 1 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|---------------------------|--------------|------|---------|---------|----------------------------|
| Shut-In Tool | 5.00 | | | 3682.00 | |
| Hydraulic Tool | 5.00 | | | 3687.00 | |
| Jars | 6.00 | | | 3693.00 | |
| Safety Joint | 2.00 | | | 3695.00 | |
| Top Packer | 5.00 | | | 3700.00 | |
| Packer | 5.00 | | | 3705.00 | 28.00 Bottom Of Top Packer |
| Anchor | 5.00 | | | 3710.00 | |
| Recorder | 1.00 | 8938 | Inside | 3711.00 | |
| Recorder | 1.00 | 8875 | Outside | 3712.00 | |
| Bull Plug | 3.00 | | | 3715.00 | 10.00 Anchor Tool |
| Total Tool Length: | 38.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 7

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:40:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| | | |

Total Length: ft

Total Volume: bbbl

Num Fluid Samples: 0

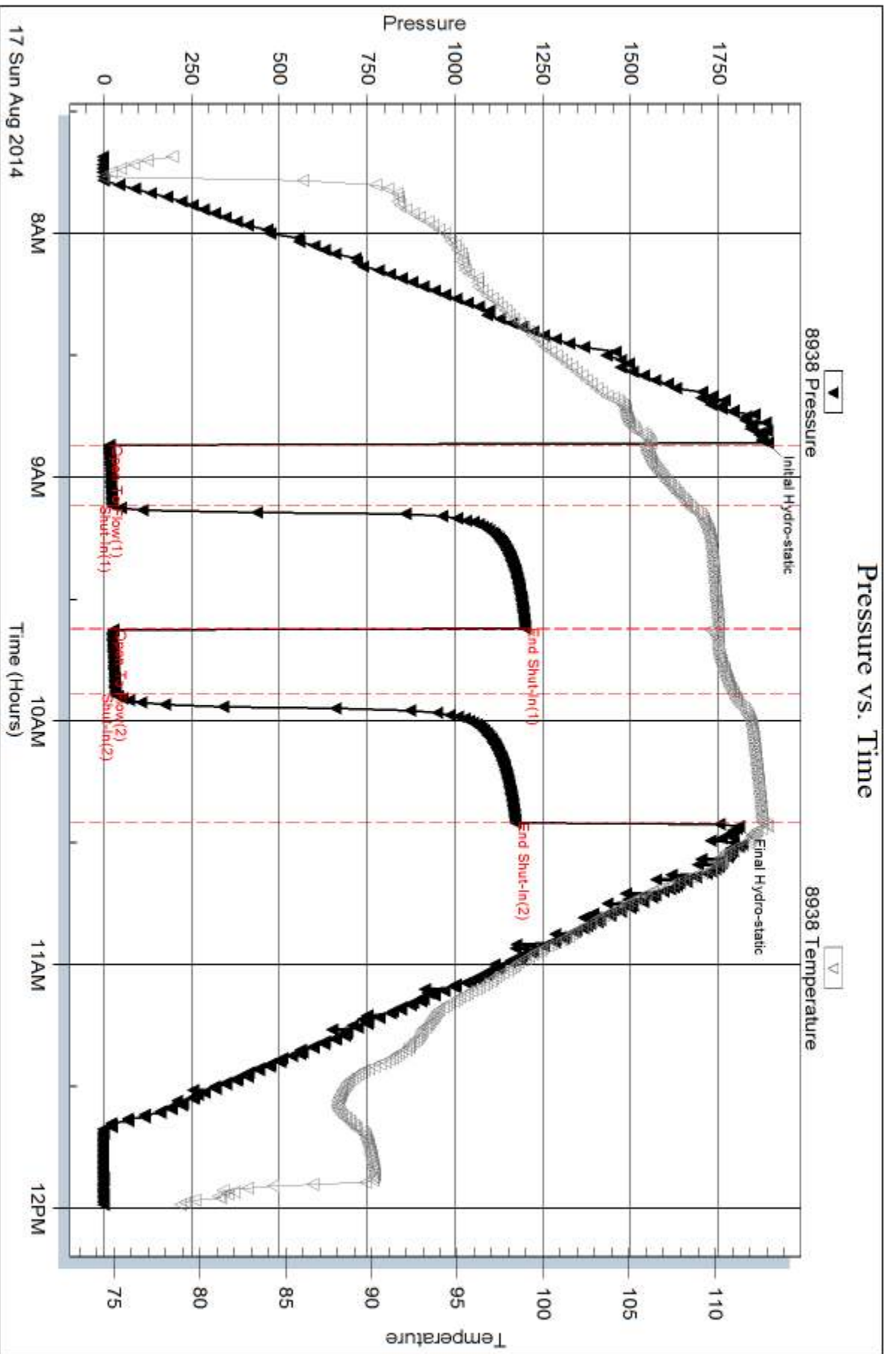
Num Gas Bombs: 0

Serial #:

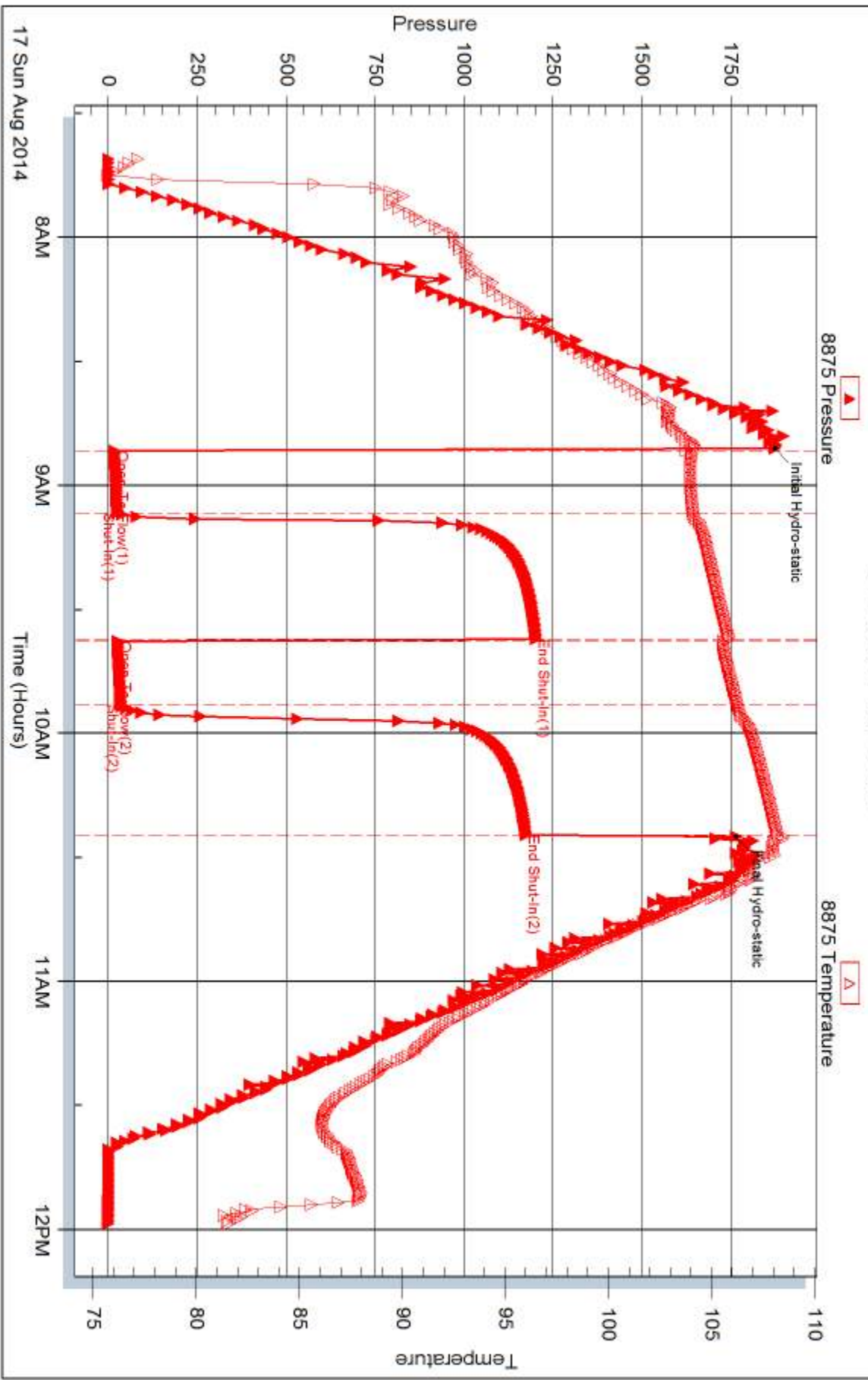
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.I.C**

9431 E Central ste 100
Wichita KS 67206+2563

ATTN: Ryan Greenbaum

Schmidt Trust A 1-11

11-20s-15w Barton,KS

Start Date: 2014.08.17 @ 07:20:00

End Date: 2014.08.17 @ 00:00:00

Job Ticket #: 60362 DST #: 8

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 11:40:33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 8

Test Start: 2014.08.17 @ 07:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3715.00 ft (KB) To 3725.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3725.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8938

Inside

Press@RunDepth: 1145.96 psig @ 3721.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date: 2014.08.18

Last Calib.: 2014.08.18

Start Time: 19:41:00

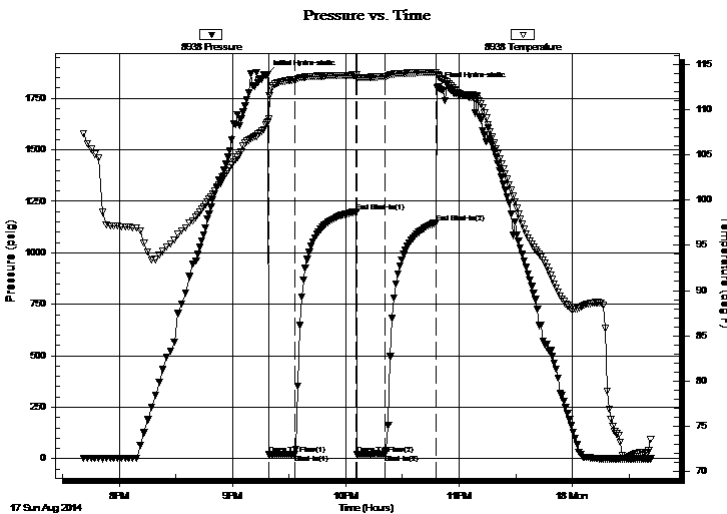
End Time: 00:41:30

Time On Btm: 2014.08.17 @ 21:18:00

Time Off Btm: 2014.08.17 @ 22:49:00

TEST COMMENT: 1sr Opening 15 Minutes-Weak surface blow for 4 minutes
1st Shut-In 30 Minutes-No blow back
2nd Open 15 Minutes-No blow
2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1865.49 | 108.51 | Initial Hydro-static |
| 1 | 21.29 | 108.94 | Open To Flow (1) |
| 15 | 21.95 | 113.31 | Shut-In(1) |
| 48 | 1200.25 | 113.82 | End Shut-In(1) |
| 48 | 22.10 | 113.46 | Open To Flow (2) |
| 63 | 22.93 | 113.68 | Shut-In(2) |
| 90 | 1145.96 | 114.12 | End Shut-In(2) |
| 91 | 1804.95 | 113.71 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 10.00 | Drilling Mud | 0.14 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FG Holl Company L.L.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

ATTN: Ryan Greenbaum

Job Ticket: 60362

DST#: 8

Test Start: 2014.08.17 @ 07:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: S4 24 from Great Ben

Interval: 3715.00 ft (KB) To 3725.00 ft (KB) (TVD)

Reference Elevations: 1967.00 ft (KB)

Total Depth: 3725.00 ft (KB) (TVD)

1959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 1149.04 psig @ 3722.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17 End Date: 2014.08.18

Last Calib.: 2014.08.18

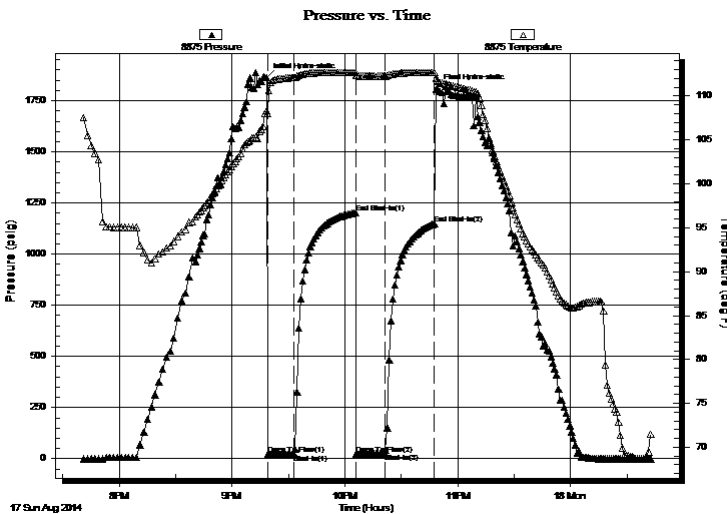
Start Time: 19:41:05 End Time: 00:43:05

Time On Btm: 2014.08.17 @ 21:18:35

Time Off Btm: 2014.08.17 @ 22:49:05

TEST COMMENT: 1sr Opening 15 Minutes-Weak surface blow for 4 minutes
1st Shut-In 30 Minutes-No blow back
2nd Open 15 Minutes-No blow
2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1863.23 | 108.38 | Initial Hydro-static |
| 1 | 21.79 | 108.01 | Open To Flow (1) |
| 15 | 22.22 | 112.13 | Shut-In(1) |
| 47 | 1202.86 | 112.68 | End Shut-In(1) |
| 48 | 22.10 | 112.30 | Open To Flow (2) |
| 63 | 24.88 | 112.27 | Shut-In(2) |
| 89 | 1149.04 | 112.67 | End Shut-In(2) |
| 91 | 1809.86 | 111.81 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 10.00 | Drilling Mud | 0.14 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 8

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:20:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3709.00 ft | Diameter: 3.80 inches | Volume: 52.03 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 82000.00 lb |
| | | | <u>Total Volume: 52.03 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3715.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 10.00 ft | | | |
| Tool Length: | 38.00 ft | | | |
| Number of Packers: | 1 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|---------------------------|--------------|------|---------|---------|----------------------------|
| Shut-In Tool | 5.00 | | | 3692.00 | |
| Hydrolic Tool | 5.00 | | | 3697.00 | |
| Jars | 6.00 | | | 3703.00 | |
| Safety Joint | 2.00 | | | 3705.00 | |
| Top Packer | 5.00 | | | 3710.00 | |
| Packer | 5.00 | | | 3715.00 | 28.00 Bottom Of Top Packer |
| Anchor | 5.00 | | | 3720.00 | |
| Recorder | 1.00 | 8938 | Inside | 3721.00 | |
| Recorder | 1.00 | 8875 | Outside | 3722.00 | |
| Bull Plug | 3.00 | | | 3725.00 | 10.00 Anchor Tool |
| Total Tool Length: | 38.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company L.I.C

11-20s-15w Barton,KS

9431 E Central ste 100
Wichita KS 67206+2563

Schmidt Trust A 1-11

Job Ticket: 60362

DST#: 8

ATTN: Ryan Greenbaum

Test Start: 2014.08.17 @ 07:20:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 10.00 | Drilling Mud | 0.140 |

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

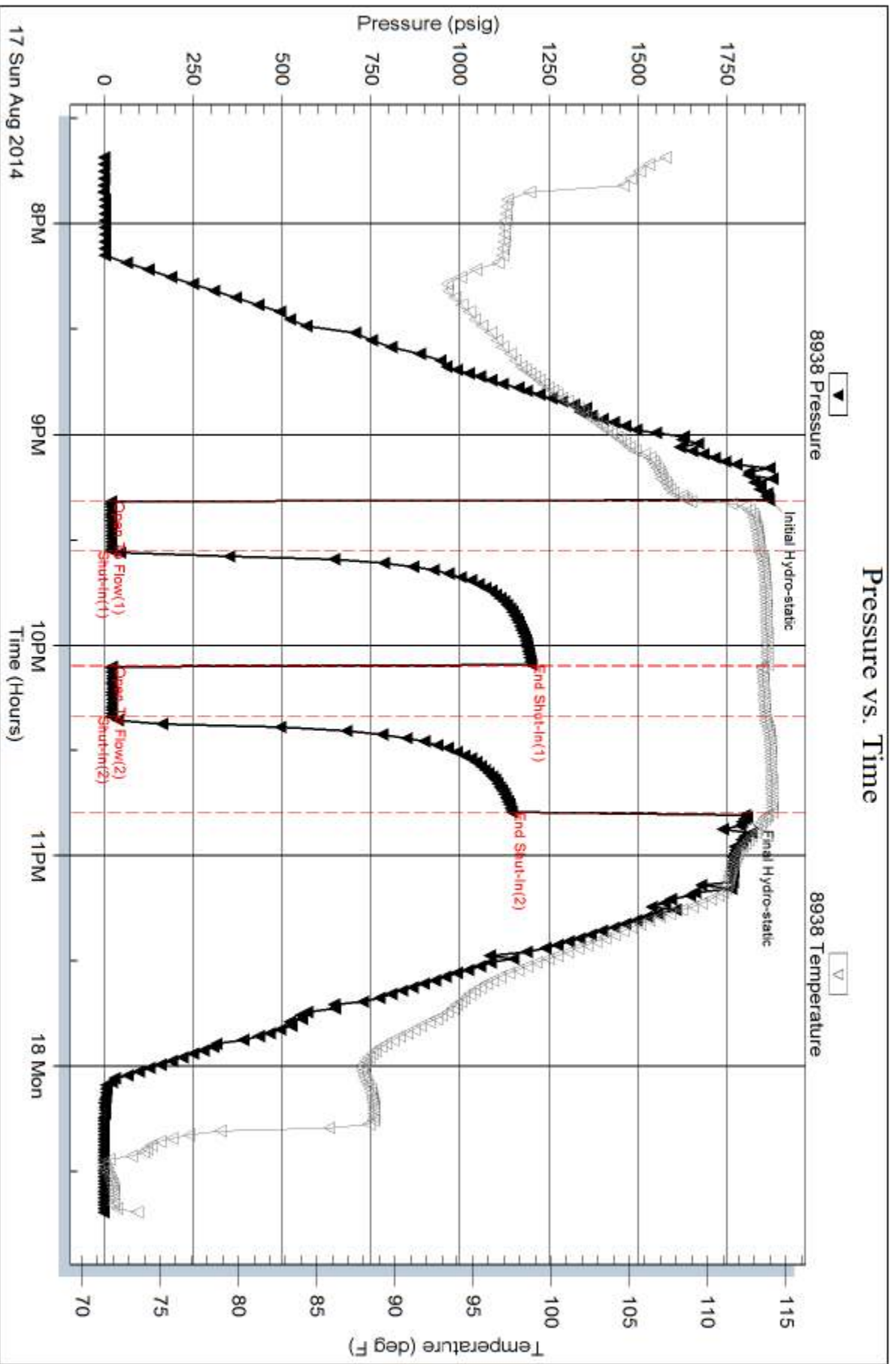
Serial #:

Laboratory Name:

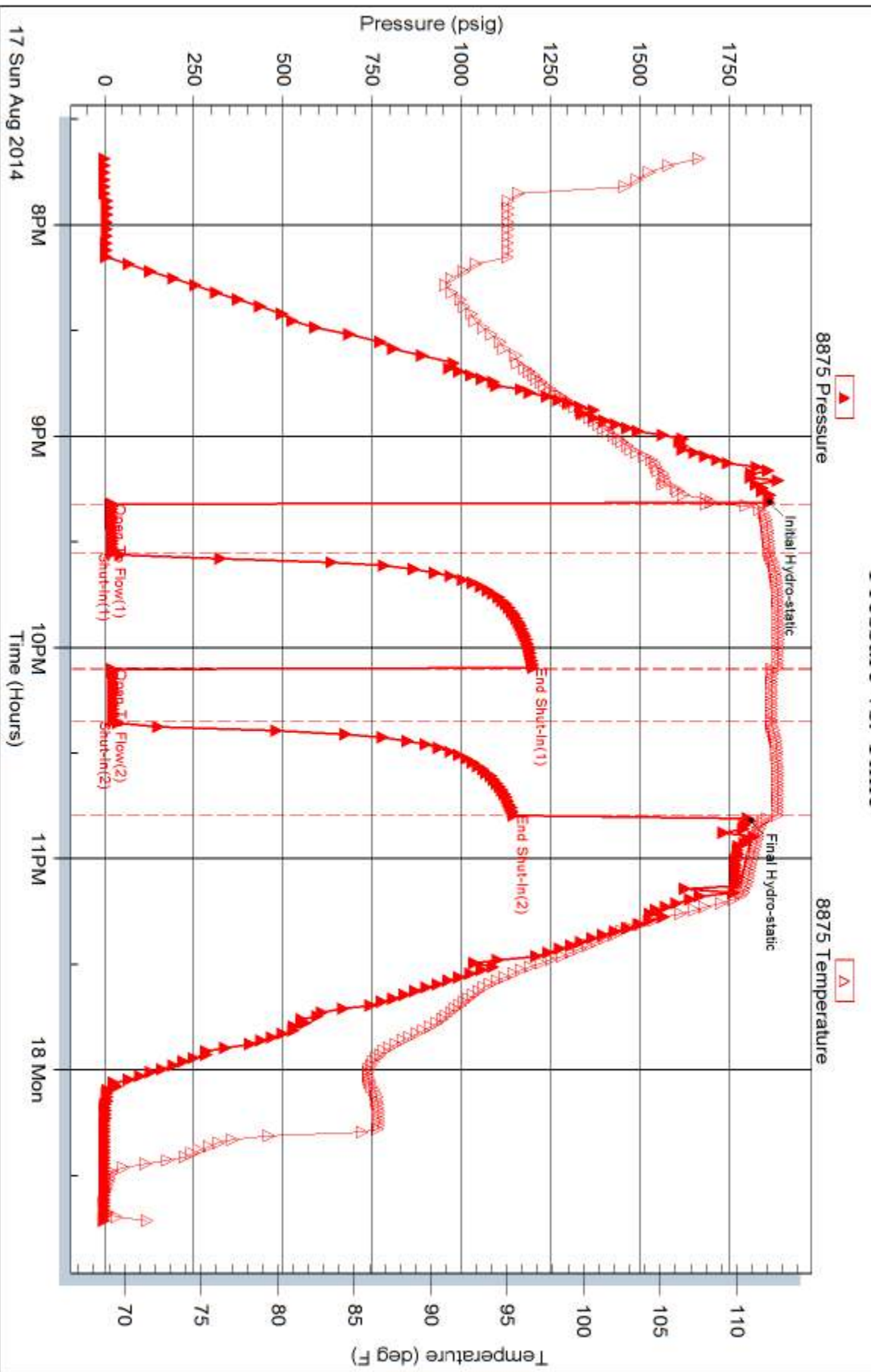
Laboratory Location:

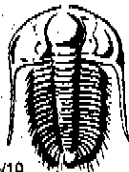
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 60355

Well Name & No. Schwartz TRUST "A" #1-11 Test No. 2 Date 8-11-2014
 Company F.G. Hall COMPANY LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2568
 Co. Rep / Geo. RENEE HUSTEAD Rig Duke Drilling Rig #2
 Location: Sec. 22 Twp. SE 20^S Rge. N 15^W Co. BARTON State KANSAS

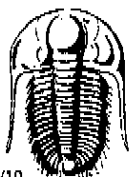
Interval Tested 2430 - 2456 Zone Tested RED GAGIE
 Anchor Length 26 Drill Pipe Run 2454 Mud Wt. 9.5
 Top Packer Depth 2425 Drill Collars Run NONE Vis 34
 Bottom Packer Depth 2430 Wt. Pipe Run NONE WL 16.81
 Total Depth 2456 Chlorides 35,000 ppm System LCM 0
 Blow Description 1st OPEN - 15 minutes - VERY WEAK SURFACE blow died in 8 minutes
2nd OPEN - 15 minutes - no blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|------|------|------------|------|
| <u>20</u> | <u>MUD</u> | | | <u>100</u> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 20 BHT 95 Gravity 1150 API RW 37.20 @ 24 F Chlorides 35,000 ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1226</u> | <input type="checkbox"/> Test | T-On Location <u>4:20</u> Recorder |
| (B) First Initial Flow <u>24</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>5:20 - 4:19</u> |
| (C) First Final Flow <u>29</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>6:24 5:32</u> |
| (D) Initial Shut-In <u>804</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>7:54 7:02</u> |
| (E) Second Initial Flow <u>30</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>8:18</u> |
| (F) Second Final Flow <u>33</u> | <input type="checkbox"/> Mileage <u>24</u> 37.20 | Comments <u>Actual</u> |
| (G) Final Shut-In <u>781</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>1130</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>15 minutes</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>30 minutes</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>15 minutes</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Shut-In <u>30 minutes</u> | <input type="checkbox"/> Day Standby | Total <u>1512.20</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1512.20</u> | |

Approved By _____ Our Representative Gene Rudy
 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. 60356

Well Name & No. Schmidt Trust "A" # 1-11 Test No. 3 Date 8-14-14
 Company F. B. HOIL COMPANY LLC Elevation 1962 KB 1954 GL
 Address 9431 East CENTRAL Suite 100 Wichita, Kansas 67206-2863
 Co. Rep / Geo. RYAN GREENBAUM Rig DUKE Drilling Rig #2
 Location: Sec. 11 Twp. 20^S Rge. 15^W Co. Barton State Kansas

Interval Tested 3550-3640 Zone Tested GORHAM SAND
 Anchor Length 90 Drill Pipe Run 3523 Mud Wt. 9.41
 Top Packer Depth 3545 Drill Collars Run NONE Vis 50
 Bottom Packer Depth 3550 Wt. Pipe Run NONE WL 7.5
 Total Depth 3640 Chlorides 4800 ppm System LCM 0

Blow Description 1st OPENING - 30 minutes - Good built to the bottom of a 5 Gallon Bucket
1st SHUT-IN 100 minutes - GOOD Blow back in 2 minutes
2nd OPENING - 45 minutes - Strong blow Gas to Surface 18 minutes in the
2nd SHUT-IN 90 minutes - Good blow back 1st open

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------------|------|------|------------|------|
| <u>275</u> | <u>HEAVY 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 | Feet of | %gas | %oil | %water | %mud |

Rec Total 275 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1874
- (B) First Initial Flow 108
- (C) First Final Flow 172
- (D) Initial Shut-In 1106
- (E) Second Initial Flow 712
- (F) Second Final Flow 156
- (G) Final Shut-In 1128
- (H) Final Hydrostatic 1725

- Test 1150
 - Jars 250
 - Safety Joint 75
 - Circ Sub _____
 - Hourly Standby _____
 - Mileage 24 37.20
 - Sampler _____
 - Straddle _____
 - Shale Packer _____
 - Extra Packer _____
 - Extra Recorder _____
 - Day Standby 3d .5h _____
 - Accessibility _____
- Sub Total 1512.20

- T-On Location 8:45 P.M.
- T-Started 9:40 P.M.
- T-Open 11:40 P.M.
- T-Pulled 3:25 A.M.
- T-Out 5:08 A.M.

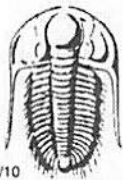
Comments _____

 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 1600
 Total 3112.20
 MP/DST Disc't _____

Initial Open 11:40 P.M 30 min
 Initial Shut-In 12:10 A.M 60 min
 Final Flow 1:10 A.M 45 min
 Final Shut-In 1:55 P.M 90 min

Approved By _____ Our Representative Dave Budig

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60357

Well Name & No. Schmidt Trust "A" #1-11 Test No. 4 Date 8-15-14
 Company F G Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita Kansas 67206-2563
 Co. Rep / Geo. Ryan Greenbaum Rig. Duke Drilling Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3680-3688 Zone Tested Arbuckle
 Anchor Length 8 Drill Pipe Run 3655 Mud Wt. 9.9
 Top Packer Depth -3675 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3680 Wt. Pipe Run 0 WL 799
 Total Depth 3688 Chlorides 5700 ppm System LCM 0

Blow Description 1st OPEN-15 minutes - WORK Blow for 4 minutes & DIED
1st Shut-In 30 minutes - No blow back
2nd OPEN 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------------------|------|------|------------|------|
| <u>15</u> | <u>D. Drilling 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 | Feet of | %gas | %oil | %water | %mud |

Rec Total 15 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1907 Test 1150 T-On Location 5:00 P.M.
 (B) First Initial Flow 23 Jars 250 T-Started 6:37 P.M.
 (C) First Final Flow 23 Safety Joint 75 T-Open 8:12 P.M.
 (D) Initial Shut-In 80 Circ Sub _____ T-Pulled 9:42 P.M.
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 11:23 P.M.
 (F) Second Final Flow 23 Mileage 24 37.20
 (G) Final Shut-In 25 Sampler _____
 (H) Final Hydrostatic 1728 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 15 Day Standby _____
 Final Shut-In 30 Accessibility _____
 Sub Total 0
 Total 1512.20
 MP/DST Disc't _____
 Sub Total 1512.20

Approved By _____ Our Representative Steve Budij

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60859

Well Name & No. Schmidt Trust "A" #1-11 Test No. 5 Date 8-16-2014
 Company F.G. Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2563
 Co. Rep / Geo. Ryan Grossbaum Rig Duke Drilling Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3688-3698 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.9
 Top Packer Depth 3683 Drill Collars Run NONE Vis 51
 Bottom Packer Depth 3688 Wt. Pipe Run NONE WL 8.0
 Total Depth 3688 Chlorides 5700 ppm System LCM 0

Blow Description 1st OPEN - 15 minutes - very weak surface blow for 4 minutes & died
1st Shut-In 30 minutes - No blow back
2nd OPEN - 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|---------------------|------|------|------------|------|
| <u>5</u> | <u>Drilling 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 | Feet of | %gas | %oil | %water | %mud |

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

(A) Initial Hydrostatic 1931 Test 1150 T-On Location 7:20 A.M.
 (B) First Initial Flow 15 Jars 250 T-Started 7:40 A.M.
 (C) First Final Flow 17 Safety Joint 75 T-Open 9:05 A.M.
 (D) Initial Shut-In 1091 Circ Sub _____ T-Pulled 10:35 A.M.
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 12:04 P.M.
 (F) Second Final Flow 17 Mileage 24 37.20 Comments _____
 (G) Final Shut-In 1010 Sampler _____
 (H) Final Hydrostatic 1807 Straddle _____

Initial Open 15 minutes Ruined Shale Packer _____
 Initial Shut-In 30 minutes Ruined Packer _____
 Final Flow 15 minutes Extra Packer _____
 Final Shut-In 30 minutes Extra Recorder _____
 Sub Total 0
 Total 1512.20
 MP/DST Disc't _____
 Sub Total 1512.20

Approved By _____ Our Representative Bone Budig

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60300

Well Name & No. Schmidt Trust "A" #1-11 Test No. 6 Date 8-16-2014
 Company F.C. Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita, Kansas 67206-2663
 Co. Rep / Geo. Ryan Greubauer Rig 11 Duke 11 Drilling Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3695-3705 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3695 Drill Collars Run 0 Vis 47
 Bottom Packer Depth None Ran Wt. Pipe Run 0 WL 11 2/3
 Total Depth 3705 Chlorides 6000 ppm System LCM 0

Blow Description 1st OPEN - 15 minutes - Very weak surface blow died in 4 minutes
1st Shut-In - 30 minutes - No blow back
2nd OPEN - 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|----------------------|------|------|------------|------|
| <u>5</u> | <u>Drill. 26 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 | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 111 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1977 Test 1150 T-On Location 7:10 AM
 (B) First Initial Flow 17 Jars 250 T-Started 7:20 P.M.
 (C) First Final Flow 16 Safety Joint 75 T-Open 8:50 PM
 (D) Initial Shut-In 1122 Circ Sub _____ T-Pulled 10:20 AM
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 16 Mileage 24 37.20 Comments _____
 (G) Final Shut-In 1066 Sampler _____
 (H) Final Hydrostatic 1827 Straddle _____

Initial Open 15 minutes Shale Packer _____
 Initial Shut-In 30 minutes Extra Packer _____
 Final Flow 15 minutes Extra Recorder _____
 Final Shut-In 30 minutes Day Standby _____
 Accessibility _____
 Sub Total 1512.20 MP/DST Disc't _____

Approved By _____ Our Representative Steve Budig

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 80931

Well Name & No. Schmidt Trust "A" #1 Test No. 7 Date 8-17-2014
 Company F.G. Holl Company LLC Elevation 1962 KB 1954 GL
 Address 7431 East Central Suite 100 Wichita, Kansas 67206-2563
 Co. Rep / Geo. Ryan Greenbaum Rig 11 Duke 11 Dr. 11m Rig #2
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State Kansas

Interval Tested 3705-3715 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3705 Drill Collars Run _____ Vis 47
 Bottom Packer Depth NONE RAN Wt. Pipe Run _____ WL 11.2
 Total Depth 3715 Chlorides 6000 ppm System LCM 0

Blow Description 1st OPEN VERY WEAK Surface blow for 11 minutes & DIED
1st SHUT-IN 1st SHUT-IN 30 minutes - no blow back
2nd FLOW 15 minutes - Very weak Surface blow for 9 minutes & DIED
2nd SHUT-IN 30 minutes - no blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|---------------------|------|------|------------|------|
| <u>35</u> | <u>Drilling mud</u> | | | <u>100</u> | |
| ____ | ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ | ____ |
| ____ | ____ | ____ | ____ | ____ | ____ |

Rec Total 35 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1873</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>7:30 A.M.</u> |
| (B) First Initial Flow <u>16</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>7:40 A.M.</u> |
| (C) First Final Flow <u>24</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>8:52 A.M.</u> |
| (D) Initial Shut-In <u>1202</u> | <input type="checkbox"/> Circ Sub _____ | T-Pulled <u>10:22 A.M.</u> |
| (E) Second Initial Flow <u>26</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>11:59</u> |
| (F) Second Final Flow <u>34</u> | <input type="checkbox"/> Mileage <u>37.20</u> | Comments _____ |
| (G) Final Shut-In <u>1174</u> | <input type="checkbox"/> Sampler _____ | |
| (H) Final Hydrostatic <u>1763</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Ruined Shale Packer _____ |

| | | |
|---------------------------|---|--|
| Initial Open <u>15</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Initial Shut-In <u>30</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>30</u> | <input type="checkbox"/> Day Standby _____ | Total <u>1512.20</u> |
| | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>1512.20</u> | |

Approved By _____ Our Representative Alan Buehig

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 80332

Well Name & No. Schmidt Trust "A" #1-11 Test No. 8 Date 8-17-2014
 Company E.G. Hall Company LLC Elevation 1962 KB 1954 GL
 Address 9431 East Central Suite 100 Wichita Kansas 67206-2563
 Co. Rep / Geo. Ryan Greenbaum Rig Duke Drilling
 Location: Sec. 11 Twp. 20^s Rge. 15^w Co. Barton State KANSAS

Interval Tested 3715-3725 Zone Tested Aebuckle
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3715 Drill Collars Run _____ Vis 48
 Bottom Packer Depth NONE Ran Wt. Pipe Run _____ WL 11.3
 Total Depth 3725 Chlorides 6600 ppm System LCM 0

Blow Description 1st OPEN 15 minutes - VERY WEAK surface blow for 6 minutes & DIED
1st Shut-In 30 minutes - No blow back
2nd OPEN - 15 minutes - No blow
2nd Shut-In 30 minutes - No blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|---------------------|------|------|--------|------|
| <u>10</u> | <u>Drilling Mud</u> | | | | |
| ____ | ____ | | | | |
| ____ | ____ | | | | |
| ____ | ____ | | | | |
| ____ | ____ | | | | |

Rec Total 10 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1889 Test 1150 T-On Location 7:10 P.M.
 (B) First Initial Flow 1865 T6 Jars 250 T-Started 7:40 P.M.
 (C) First Final Flow 21 27 Safety Joint 75 T-Open 9:00 P.M.
 (D) Initial Shut-In 24200 Circ Sub _____ T-Pulled 10:30 P.M.
 (E) Second Initial Flow 1200 27 Hourly Standby _____ T-Out 12:35 A.M.
 (F) Second Final Flow 22 33 Mileage 24 37.20
 (G) Final Shut-In 221172 Sampler _____
 (H) Final Hydrostatic 11451807 Straddle _____
1804 Shale Packer _____
 Initial Open 15 minutes Extra Packer _____
 Initial Shut-In 30 minutes Extra Recorder _____
 Final Flow 15 minutes Day Standby _____
 Final Shut-In 30 minutes Accessibility _____
 Sub Total 1512.20 MP/DST Disc't _____

Approved By _____ Our Representative Gene Gene

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