



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1072439

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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 | | | | |
| | | | | |

| 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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

| | | | | | |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|

| | |
|-----------|------------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Samuel Gary Jr. & Associates, Inc. |
| Well Name | MAIER FAMILY TRUST 1-25 |
| Doc ID | 1072439 |

All Electric Logs Run

| |
|-------|
| |
| DEN |
| IND |
| MICRO |
| SONIC |

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 20, 2012

THOMAS G FERTAL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-165-21936-00-00
MAIER FAMILY TRUST 1-25
SE/4 Sec.25-16S-16W
Rush County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
THOMAS G FERTAL



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 9/30/2011
 Invoice # 5173

P.O.#:
 Due Date: 10/30/2011
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

DRLG COMP W/O LOE GG

| | |
|---------------|-------------------------|
| Account | 8300-238 |
| Well/Prospect | MAIER FAMILY TRUST 1-15 |
| Deck | |
| AFE | |
| Approval | |
| Description | |

Reference:
 MAIER FAMILY TRUST 1-15

Description of Work:
 PROD LONG STRING

Services / Items Included:

| | Quantity | Price | Taxable | Item | Quantity | Price | Taxable |
|-----------------------------------------|----------|-------------|---------|----------------------------------------------|----------|----------|---------|
| Labor | | \$ 963.85 | No | | | | |
| Common-Class A | 200 | \$ 2,575.56 | Yes | Salt (Fine) | 19 | \$279.98 | Yes |
| Gilsonite | 1057 | \$ 1,673.58 | Yes | Pump Truck Mileage-Job to Nearest Camp | 28 | \$294.96 | No |
| CFL 117 | 176 | \$ 1,144.39 | Yes | Latch Down Plug & Baffle, 5 1/2" | 1 | \$236.44 | Yes |
| 5 1/2" Basket | 3 | \$ 728.33 | Yes | Bulk Truck Mileage-Job to Nearest Bulk Plant | 28 | \$172.60 | No |
| Bulk Truck Matl-Material Service Charge | 255 | \$ 538.33 | No | Flo Seal | 56 | \$118.22 | Yes |
| CD-110 | 117 | \$ 494.00 | Yes | KCL | 2 | \$63.04 | Yes |
| 5 1/2" Turbolizer | 8 | \$ 489.78 | Yes | | | | |
| Mud Clear | 500 | \$ 390.56 | Yes | | | | |
| Defoamer A or CAF-38 | 50 | \$ 369.44 | Yes | | | | |
| Auto Fill Float Shoe, 5 1/2" | 1 | \$ 323.00 | Yes | | | | |

Invoice Terms:

Net 30

SubTotal: \$ 10,856.07
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,628.41)

SubTotal for Taxable Items: \$ 7,553.37
 SubTotal for Non-Taxable Items: \$ 1,674.29
 Total: \$ 9,227.66
 Tax: \$ 475.86

6.30% Rush County Sales Tax

Amount Due: \$ 9,703.52
 Applied Payments:
 Balance Due: \$ 9,703.52

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5173

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|----|-------|----|--------|------|-------|----|-------------|--|--------|---------|
| Date | 9-28-11 | Sec. | 25 | Twp. | 16 | Range | 16 | County | Rush | State | Ks | On Location | | Finish | 10:15p. |
|------|---------|------|----|------|----|-------|----|--------|------|-------|----|-------------|--|--------|---------|

| | | | | | |
|-------|--------------------|----------|------|----------|-------------------------------|
| Lease | Maier Family trust | Well No. | 1-15 | Location | Galatia, Ks - 2w, 1S, 2w, N2W |
|-------|--------------------|----------|------|----------|-------------------------------|

| | | | |
|------------|--------|-------|--------|
| Contractor | Ual #6 | Owner | to Rig |
|------------|--------|-------|--------|

| | | | |
|----------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Type Job | Production | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | |
|----------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| | | | | | |
|-----------|--------|------|-------|-----------|---------------------------|
| Hole Size | 7 7/8" | T.D. | 3650' | Charge To | Sam Gary Jr. + Associates |
|-----------|--------|------|-------|-----------|---------------------------|

| | | | | | |
|------|-------------------|-------|----------|--------|--|
| Csg. | 5 1/2" New 15.50' | Depth | 3645.13' | Street | |
|------|-------------------|-------|----------|--------|--|

| | | | | | | | |
|-----------|--|-------|--|------|--|-------|--|
| Tbg. Size | | Depth | | City | | State | |
|-----------|--|-------|--|------|--|-------|--|

| | | | | | | |
|------|--|-------|--|----------------------------------------------------------------------------------|--|--|
| Tool | | Depth | | The above was done to satisfaction and supervision of owner agent or contractor. | | |
|------|--|-------|--|----------------------------------------------------------------------------------|--|--|

| | | | | | |
|---------------------|--------|------------|--------|-----------------------|--------------------------------------------------------------------------------|
| Cement Left in Csg. | 22.52' | Shoe Joint | 22.52' | Cement Amount Ordered | 225' Pro C 15% Salt 5% G. Granite 1/4 #10 8% CFL-117, 25% CAF-77, 3% CD 110 |
|---------------------|--------|------------|--------|-----------------------|--------------------------------------------------------------------------------|

| | | | | | |
|-----------|--|----------|--------|----------------------|------------|
| Meas Line | | Displace | 86 BLS | 500 gal mud Clear 48 | 12 Gal KCL |
|-----------|--|----------|--------|----------------------|------------|

EQUIPMENT

| | | | | | | |
|---------|---|-----|----------|-------|--------|-----|
| Pumptrk | 1 | No. | Cementer | Cisco | Common | 225 |
|---------|---|-----|----------|-------|--------|-----|

| | | | | | | |
|---------|---|-----|--------|------|----------|---------------|
| Bulktrk | 8 | No. | Driver | Mike | Poz. Mix | CD-110 - 117# |
|---------|---|-----|--------|------|----------|---------------|

| | | | | | | |
|---------|------|-----|--------|------|------|------------|
| Bulktrk | p.u. | No. | Driver | Rick | Gel. | 20 BBL KCL |
|---------|------|-----|--------|------|------|------------|

JOB SERVICES & REMARKS

| | | | |
|----------|-------------------------|---------|--|
| Remarks: | Maier Family trust 1-15 | Calcium | |
|----------|-------------------------|---------|--|

| | | | |
|----------|------|-------|--|
| Rat Hole | 30sx | Hulls | |
|----------|------|-------|--|

| | | | |
|------------|------|------|----|
| Mouse Hole | 15sx | Salt | 19 |
|------------|------|------|----|

| | | | |
|--------------|---------------------------|----------|-----|
| Centralizers | 1, 3, 5, 7, 9, 11, 13, 15 | Flowseal | 56# |
|--------------|---------------------------|----------|-----|

| | | | |
|---------|---------|----------|-------|
| Baskets | 3, 6, 9 | Kol-Seal | 1057# |
|---------|---------|----------|-------|

| | | | |
|--------------------|--|------------|---------|
| D/V or Port Collar | | Mud CLR 48 | 500 gal |
|--------------------|--|------------|---------|

| | | | |
|-----------------------------------|--|-------------------------|-----|
| pipe on bottom, break Circulation | | CFL-117 or CD110 CAF 38 | 50# |
|-----------------------------------|--|-------------------------|-----|

| | | | |
|---------------------------|--|------|--------------|
| pump 500 gal mud Clear 48 | | Sand | CFL-117 176# |
|---------------------------|--|------|--------------|

| | | | |
|------------------------------------------|--|----------|-----|
| plug Rathole w/30sx, plug mousehole 15sx | | Handling | 255 |
|------------------------------------------|--|----------|-----|

| | | | |
|----------------------------------------|--|---------|--|
| cement 5 1/2" casing w/180sx. shutdown | | Mileage | |
|----------------------------------------|--|---------|--|

FLOAT EQUIPMENT

| | | | |
|----------------------------------|--|------------|--|
| wash pump + lines, Released plug | | Guide Shoe | |
|----------------------------------|--|------------|--|

| | | | |
|----------------------------------|--|-------------|-----------|
| + Displaced with 86 BLS of water | | Centralizer | 8 turbo's |
|----------------------------------|--|-------------|-----------|

| | | | |
|-----------------------|--|---------|---|
| first 20 BLS with KCL | | Baskets | 3 |
|-----------------------|--|---------|---|

| | | | |
|--------------------|--|-------------|--|
| Land plug to #1300 | | AFU Inserts | |
|--------------------|--|-------------|--|

| | | | |
|--------------------|--|------------|---|
| Lift pressure 700# | | Float Shoe | 1 |
|--------------------|--|------------|---|

| | | | |
|------------------------|--|------------|---|
| Released + Float held. | | Latch Down | 1 |
|------------------------|--|------------|---|

| | |
|----------------|------------------|
| Pumptrk Charge | prod Long String |
|----------------|------------------|

| | |
|---------|----|
| Mileage | 28 |
|---------|----|

| | |
|--------------|--|
| Tax | |
| Discount | |
| Total Charge | |

X Signature 

Date: 9/26/2011
 Invoice # ~~5100~~ 5000

P.O.#:

Due Date: 10/26/2011

Division: Russell

QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Invoice

V1110-AP-172 10/20

Contact:

Samuel Gary Jr & Associates Inc
 Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

Reference:

MAIER FAMILY TRUST 1-25

Description of Work:

LONG SURFACE JOB

DRLG COMP W/O LOE GG

| | |
|---------------|--------------------|
| Account | 8200-138 |
| Well/Prospect | MAIER FAMILY TRUST |
| Deck | <i>[Signature]</i> |
| AFE | <i>[Signature]</i> |
| Approval | |
| Description | |

Services / Items Included:

| Quantity | Price | Taxable |
|----------------------------------------------|-------------|---------|
| Labor | \$ 963.85 | No |
| Common-Class A | \$ 4,764.78 | Yes |
| 8 5/8" Basket | \$ 1,000.67 | Yes |
| Bulk Truck Matl-Material Service Charge | \$ 823.33 | No |
| Calcium Chloride | \$ 516.78 | Yes |
| Pump Truck Mileage-Job to Nearest Camp | \$ 294.96 | No |
| 8 5/8" Centralizer | \$ 202.67 | Yes |
| Flo Seal | \$ 194.22 | Yes |
| Bulk Truck Mileage-Job to Nearest Bulk Plant | \$ 172.60 | No |
| Premium Gel (Bentonite) | \$ 120.29 | Yes |
| 8 5/8" Top Rubber Plug | \$ 111.89 | Yes |

| Item | Quantity | Price | Taxable |
|-------------------------------|----------|---------|---------|
| Baffle Plate Aluminum, 8 5/8" | 1 | \$95.00 | Yes |

Invoice Terms:

Net 30

SubTotal: \$ 9,261.04
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,389.16)

SubTotal for Taxable Items: \$ 5,955.35
 SubTotal for Non-Taxable Items: \$ 1,916.54

6.30% Rush County Sales Tax

Total: \$ 7,871.89
 Tax: \$ 375.19

Thank You For Your Business!

Amount Due: \$ 8,247.07
 Applied Payments:
 Balance Due: \$ 8,247.07

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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RECEIVED

OCT 05 2011

SAMUEL GARY JR.
 & ASSOCIATES, INC.

| | | | | | | |
|------|------|-------|--------|--------|-------------|---------|
| Sec. | Twp. | Range | County | State | On Location | Finish |
| | | | Rush | Kansas | | 6:15 pm |

Well No. 1-25 Location Galatia 2W 1S 2W

Owner To Quality Oilwell Cementing, Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Samuel Gary Jr. & Associates

Street _____ City _____ State _____

Shoe Joint _____ The above was done to satisfaction and supervision of owner agent or contractor.

Displace 6536 Cement Amount Ordered 370 Common 3ACC 28brel

EQUIPMENT

| | | | | |
|-----------|-----|----------|-------|---------------------|
| Pumptrk 9 | No. | Cementer | Shave | 4lb Flo Seal per sk |
| Bulktrk 7 | No. | Helper | Shave | Common 370 |
| Bulktrk | No. | Driver | Matt | Poz. Mix |
| Bulktrk | No. | Driver | Don | Gel. 7 |
| Bulktrk | No. | Driver | Don | Calcium 13 |

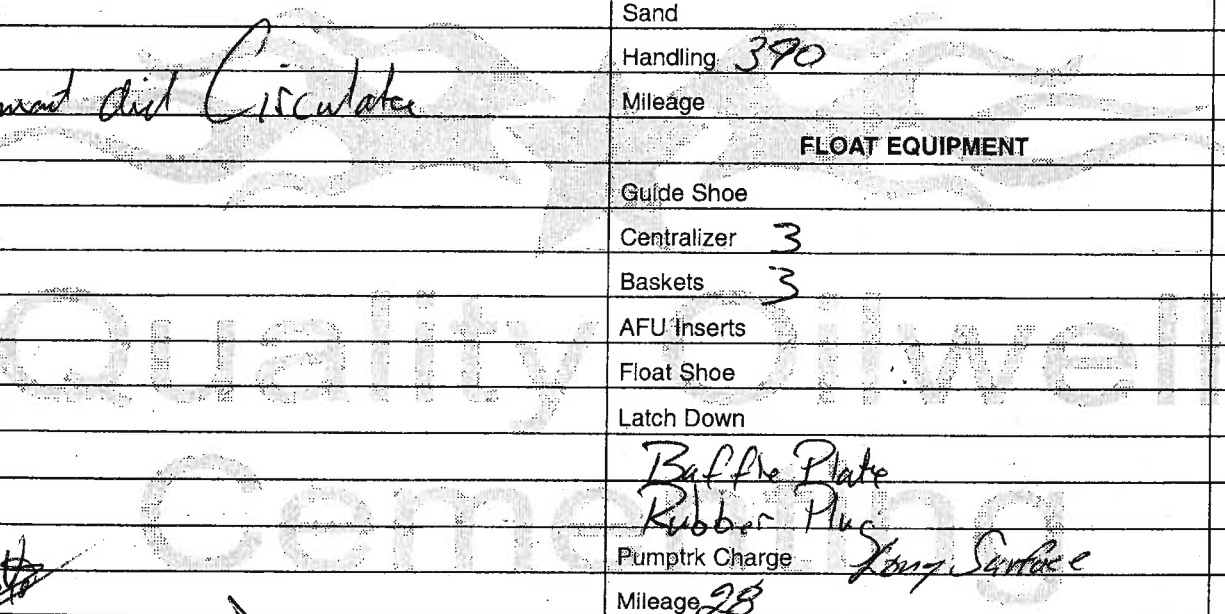
JOB SERVICES & REMARKS

| | |
|--------------------|-------------------------|
| Remarks: | Hulls |
| Rat Hole | Salt |
| Mouse Hole | Flowseal 92# |
| Centralizers | Kol-Seal |
| Baskets | Mud CLR 48 |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |
| | Sand |
| | Handling 390 |
| | Mileage |

FLOAT EQUIPMENT

| | |
|--|-----------------------------|
| | Guide Shoe |
| | Centralizer 3 |
| | Baskets 3 |
| | AFU Inserts |
| | Float Shoe |
| | Latch Down |
| | Baffle Plate |
| | Rubber Plug |
| | Pumptrk Charge Long Surface |
| | Mileage 28 |

Signature _____ Tax _____ Discount _____ Total Charge _____





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Neil Sharp

25-16-16 Rush, Ks

Maier Family Trust 1-25

Start Date: 2011.09.25 @ 04:57:43

End Date: 2011.09.25 @ 11:28:43

Job Ticket #: 44176 DST #: 1

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

Printed: 2011.11.15 @ 15:51:45



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 44176

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.09.25 @ 04:57:43

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:13

Time Test Ended: 11:28:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 3338.00 ft (KB) To 3349.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3349.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 23.33 psig @ 3341.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.25 End Date: 2011.09.25

Last Calib.: 2011.09.25

Start Time: 04:57:44 End Time: 11:28:43

Time On Btm: 2011.09.25 @ 07:04:43

Time Off Btm: 2011.09.25 @ 09:45:13

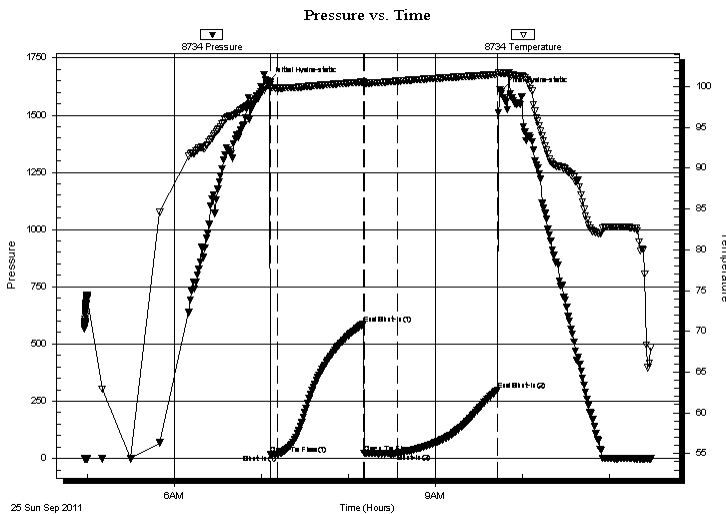
TEST COMMENT: 5 - IFP - weak blow throughout 1/4" - 1/2"

60 - ISI - no blow back

20 - FFP - no blow

70 - FSI - no blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1646.76 | 100.19 | Initial Hydro-static |
| 2 | 19.55 | 99.87 | Open To Flow (1) |
| 7 | 17.98 | 99.84 | Shut-In(1) |
| 66 | 586.85 | 100.58 | End Shut-In(1) |
| 66 | 21.35 | 100.32 | Open To Flow (2) |
| 89 | 23.33 | 100.68 | Shut-In(2) |
| 158 | 299.64 | 101.50 | End Shut-In(2) |
| 161 | 1604.47 | 101.67 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 2.00 | drl mud 100% | 0.03 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 44176

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.09.25 @ 04:57:43

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:13

Time Test Ended: 11:28:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 3338.00 ft (KB) To 3349.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3349.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8372 Inside

Press @ Run Depth: psig @ 3341.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.25

End Date:

2011.09.25

Last Calib.:

2011.09.25

Start Time: 04:57:16

End Time:

11:28:15

Time On Btm:

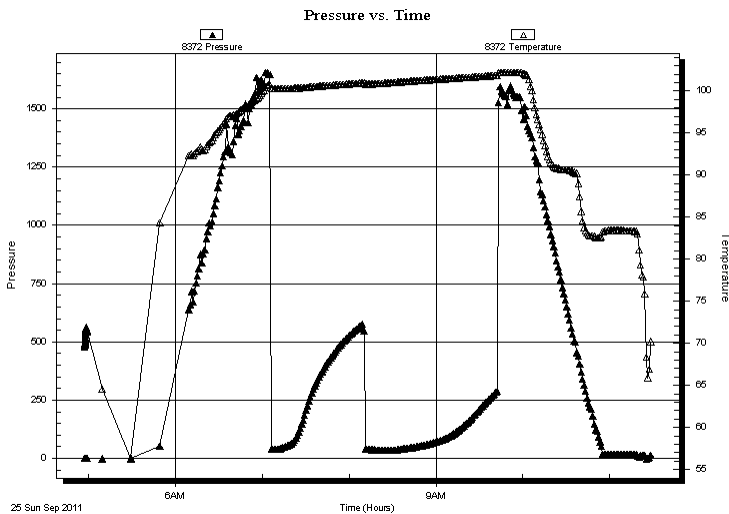
Time Off Btm:

TEST COMMENT: 5 - IFP - weak blow throughout 1/4" - 1/2"

60 - ISI - no blow back

20 - FFP - no blow

70 - FSI - no blow back



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 2.00 | drl mud 100% | 0.03 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 44176

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.09.25 @ 04:57:43

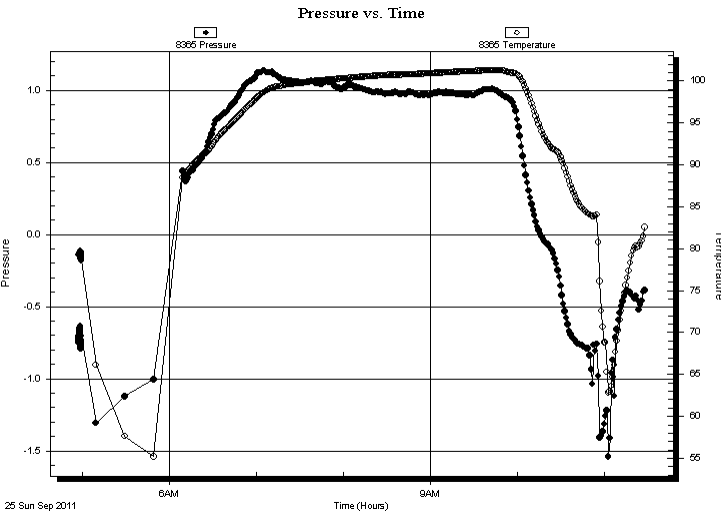
GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 07:06:13
 Time Test Ended: 11:28:43
 Interval: **3338.00 ft (KB) To 3349.00 ft (KB) (TVD)**
 Total Depth: **3349.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Brian Fairbank**
 Unit No: **41**
 Reference Elevations: **1971.00 ft (KB)**
1961.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8365 Fluid

Press @ Run Depth: **psig @ 3303.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.09.25** End Date: **2011.09.25** Last Calib.: **2011.09.25**
 Start Time: **04:57:05** End Time: **11:28:04** Time On Btm:
 Time Off Btm:

TEST COMMENT: 5 - IFP - weak blow throughout 1/4" - 1/2"
 60 - ISI - no blow back
 20 - FFP - no blow
 70 - FSI - no blow back



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 2.00 | drl mud 100% | 0.03 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 44176

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.09.25 @ 04:57:43

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 3321.00 ft | Diameter: 3.80 inches | Volume: 46.58 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 52000.00 lb |
| | | | Total Volume: 46.58 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 18.00 ft | | | String Weight: Initial 49000.00 lb |
| Depth to Top Packer: | 3338.00 ft | | | Final 49000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 11.00 ft | | | |
| Tool Length: | 46.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8365 | Fluid | 3303.00 | |
| Blank Spacing | 5.00 | | | 3308.00 | |
| Shut In Tool | 5.00 | | | 3313.00 | |
| Sampler | 3.00 | | | 3316.00 | |
| Hydraulic tool | 5.00 | | | 3321.00 | |
| Jars | 5.00 | | | 3326.00 | |
| Safety Joint | 2.00 | | | 3328.00 | |
| Packer | 5.00 | | | 3333.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3338.00 | |
| Stubb | 1.00 | | | 3339.00 | |
| Perforations | 2.00 | | | 3341.00 | |
| Recorder | 0.00 | 8372 | Inside | 3341.00 | |
| Recorder | 0.00 | 8734 | Outside | 3341.00 | |
| Perforations | 5.00 | | | 3346.00 | |
| Bullnose | 3.00 | | | 3349.00 | 11.00 Bottom Packers & Anchor |

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 44176

DST#: 1

ATTN: Neil Sharp

Test Start: 2011.09.25 @ 04:57:43

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: 58.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.19 cm ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 5800.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 2.00 | drl mud 100% | 0.028 |

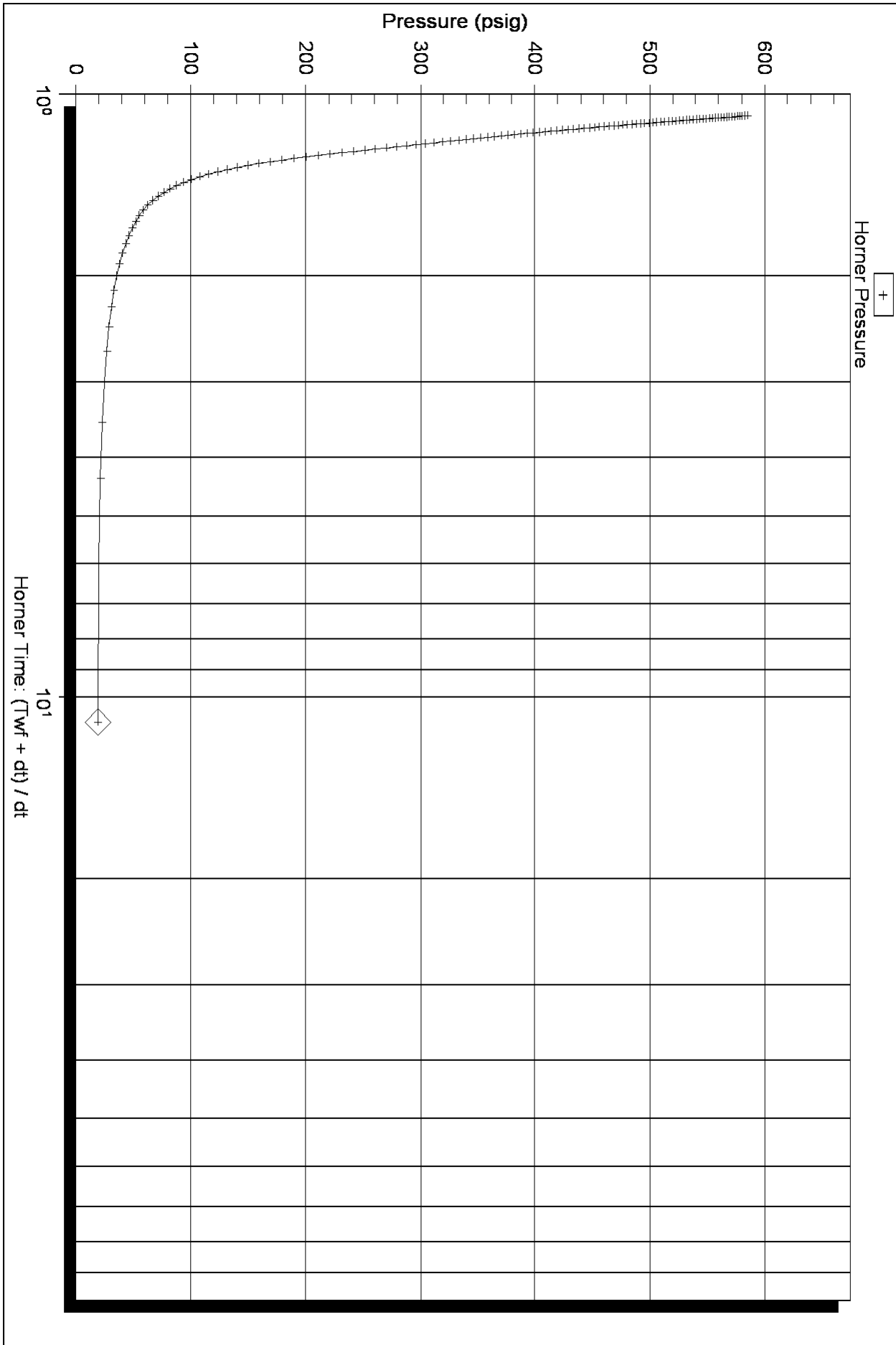
Total Length: 2.00 ft Total Volume: 0.028 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 4000 ml mud, 80 lbs

Horner Plot



Serial Number: 8734 (Outside)

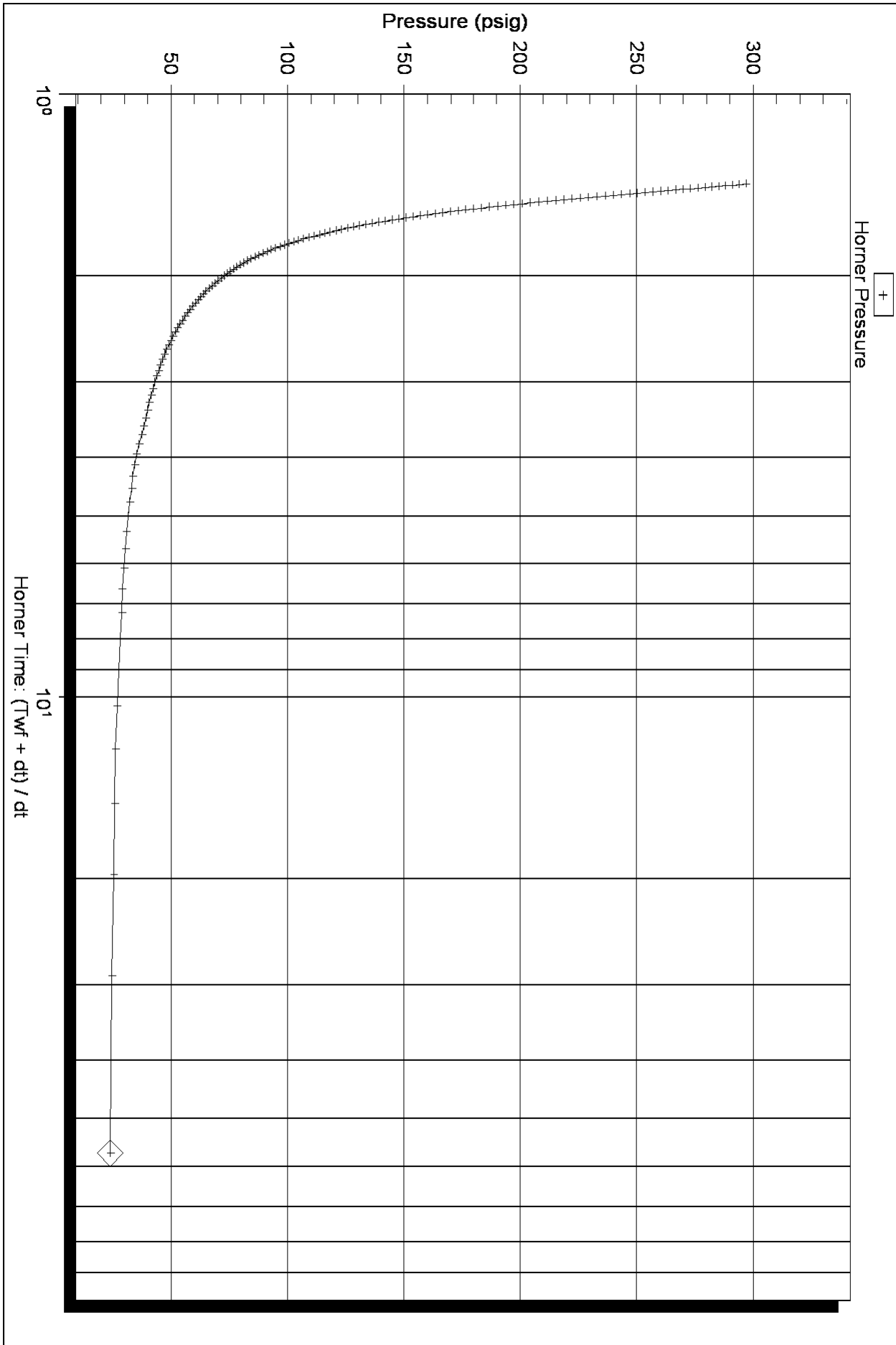
P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Time: (T_{wf} + dt) / dt

Horner Plot



Horner Pressure

Pressure (psig)

Horner Time: (T_{wf} + dt) / dt

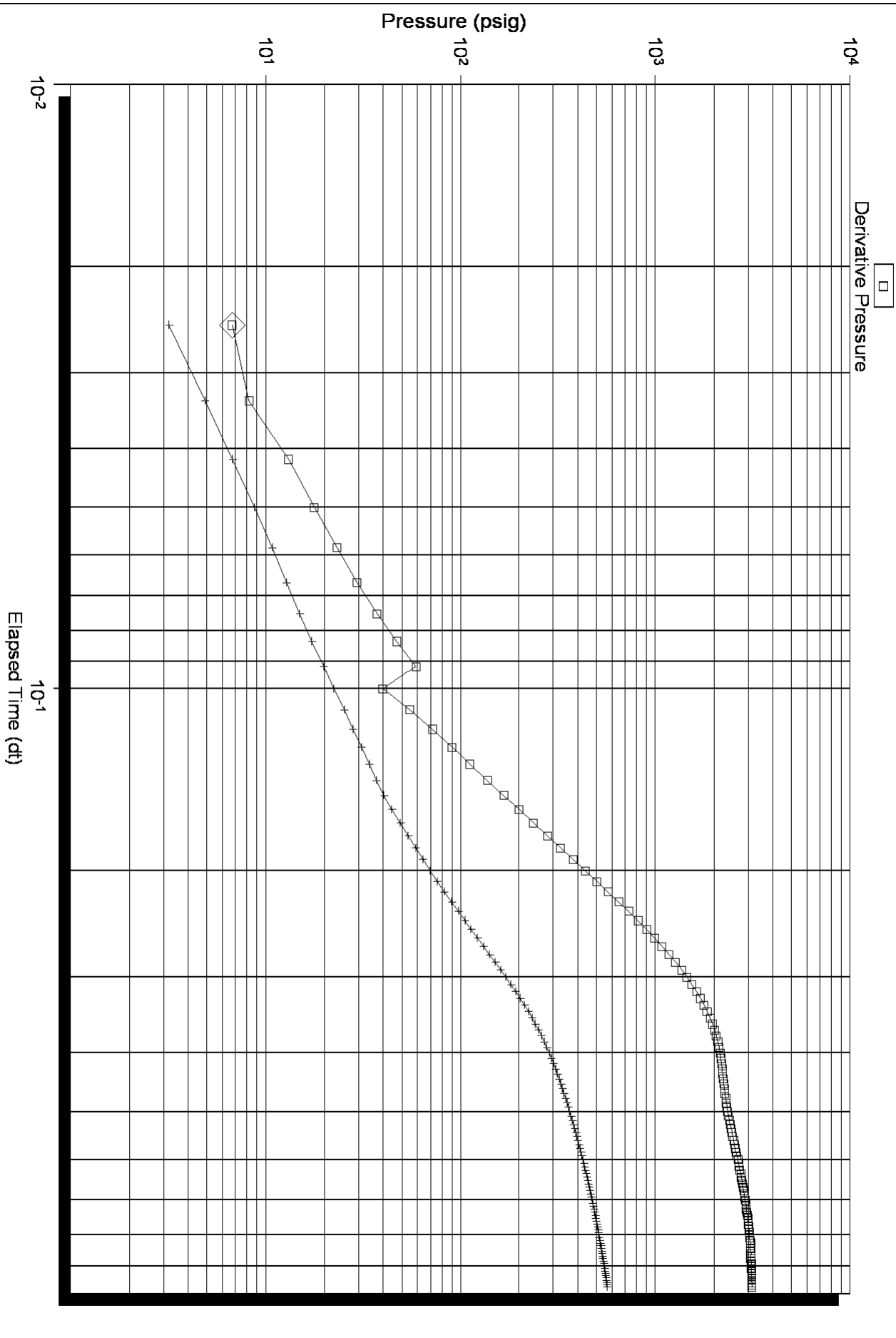
Serial Number: 8734 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 2

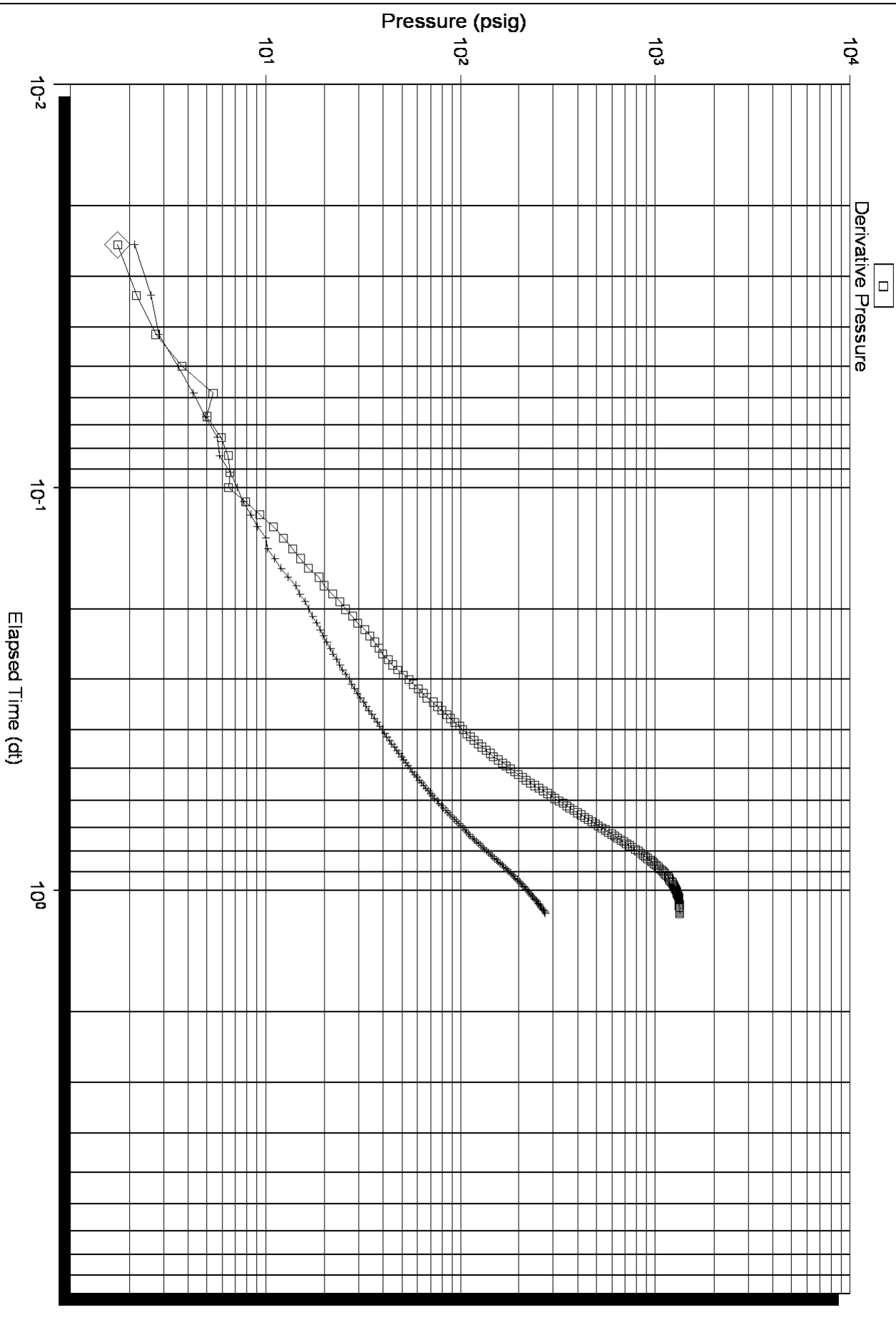
Log-Log and Pseudo-Derivative



Serial Number: 8734 (Outside)

Flow Cycle: 1

Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Neil Sharp

25-16-16 Rush, Ks

Maier Family Trust 1-25

Start Date: 2011.09.26 @ 02:28:31

End Date: 2011.09.26 @ 09:06:01

Job Ticket #: 45151 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.11.15 @ 15:54:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 45151

DST#: 2

Test Start: 2011.09.26 @ 02:28:31

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:01

Time Test Ended: 09:06:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 3416.00 ft (KB) To 3455.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3455.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ RunDepth: 22.26 psig @ 3418.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.26 End Date: 2011.09.26

Last Calib.: 2011.09.26

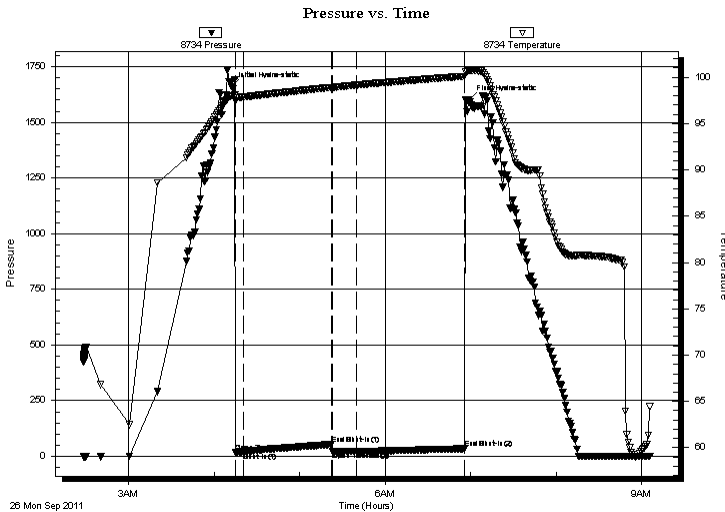
Start Time: 02:28:32 End Time: 09:06:01

Time On Btm: 2011.09.26 @ 04:12:31

Time Off Btm: 2011.09.26 @ 06:59:01

TEST COMMENT: 5 - IFP - sur blow throughout
60 - ISI - no blow back
20 - FFP - no blow
70 - FSI - no blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1661.16 | 98.00 | Initial Hydro-static |
| 3 | 19.08 | 97.42 | Open To Flow (1) |
| 8 | 19.53 | 97.88 | Shut-In(1) |
| 70 | 53.11 | 98.90 | End Shut-In(1) |
| 71 | 20.08 | 98.90 | Open To Flow (2) |
| 88 | 22.26 | 99.16 | Shut-In(2) |
| 163 | 33.84 | 100.10 | End Shut-In(2) |
| 167 | 1602.79 | 100.74 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | drl mud 100% | 0.07 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 45151 **DST#: 2**
Test Start: 2011.09.26 @ 02:28:31

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:01

Time Test Ended: 09:06:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 3416.00 ft (KB) To 3455.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3455.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8372 Inside

Press @ Run Depth: psig @ 3418.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.26 End Date: 2011.09.26

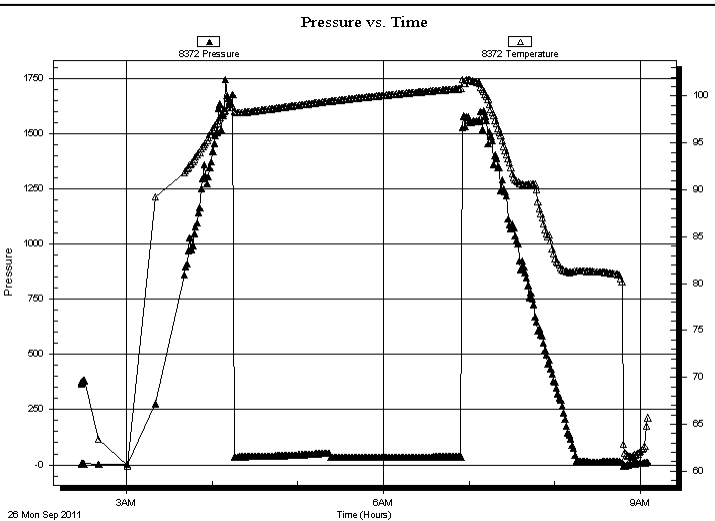
Last Calib.: 2011.09.26

Start Time: 02:28:16 End Time: 09:05:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 5 - IFP - sur blow throughout
60 - ISI - no blow back
20 - FFP - no blow
70 - FSI - no blow back



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | drl mud 100% | 0.07 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 45151

DST#: 2

Test Start: 2011.09.26 @ 02:28:31

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:01

Time Test Ended: 09:06:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 3416.00 ft (KB) To 3455.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3455.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8365

Fluid

Press @ Run Depth: psig @ 3381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.26

End Date: 2011.09.26

Last Calib.: 2011.09.26

Start Time: 02:29:00

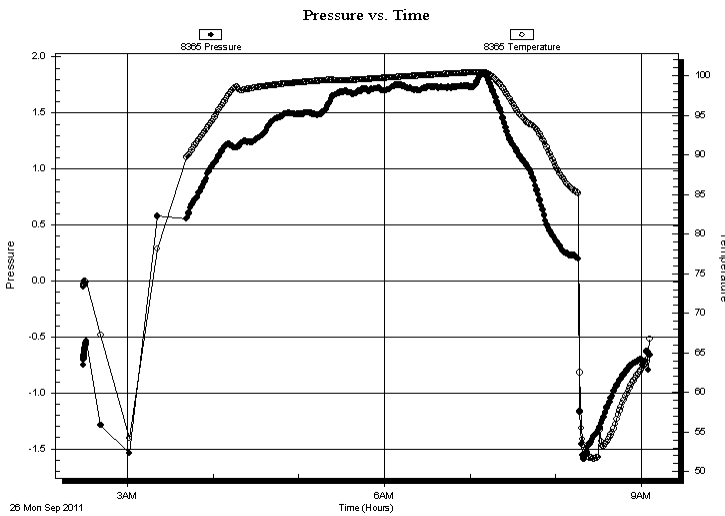
End Time: 09:06:29

Time On Btm:

Time Off Btm:

TEST COMMENT: 5 - IFP - sur blow throughout
60 - ISI - no blow back
20 - FFP - no blow
70 - FSI - no blow back

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | drl mud 100% | 0.07 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45151

DST#: 2

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 02:28:31

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3412.00 ft | Diameter: 3.80 inches | Volume: 47.86 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 47.86 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial 49000.00 lb |
| Depth to Top Packer: | 3416.00 ft | | | Final 49000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 39.00 ft | | | |
| Tool Length: | 74.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

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

| | | | | | |
|-----------------|-------|------|---------|---------|-------------------------------|
| Recorder | 0.00 | 8365 | Fluid | 3381.00 | |
| Blank Spacing | 5.00 | | | 3386.00 | |
| Shut In Tool | 5.00 | | | 3391.00 | |
| Sampler | 3.00 | | | 3394.00 | |
| Hydraulic tool | 5.00 | | | 3399.00 | |
| Jars | 5.00 | | | 3404.00 | |
| Safety Joint | 2.00 | | | 3406.00 | |
| Packer | 5.00 | | | 3411.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3416.00 | |
| Stubb | 1.00 | | | 3417.00 | |
| Perforations | 1.00 | | | 3418.00 | |
| Recorder | 0.00 | 8372 | Inside | 3418.00 | |
| Recorder | 0.00 | 8734 | Outside | 3418.00 | |
| Change Over Sub | 1.00 | | | 3419.00 | |
| Blank Spacing | 31.00 | | | 3450.00 | |
| Change Over Sub | 1.00 | | | 3451.00 | |
| Perforations | 1.00 | | | 3452.00 | |
| Bullnose | 3.00 | | | 3455.00 | 39.00 Bottom Packers & Anchor |

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45151

DST#: 2

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 02:28:31

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: 56.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.18 cm ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 5900.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 5.00 | drl mud 100% | 0.070 |

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

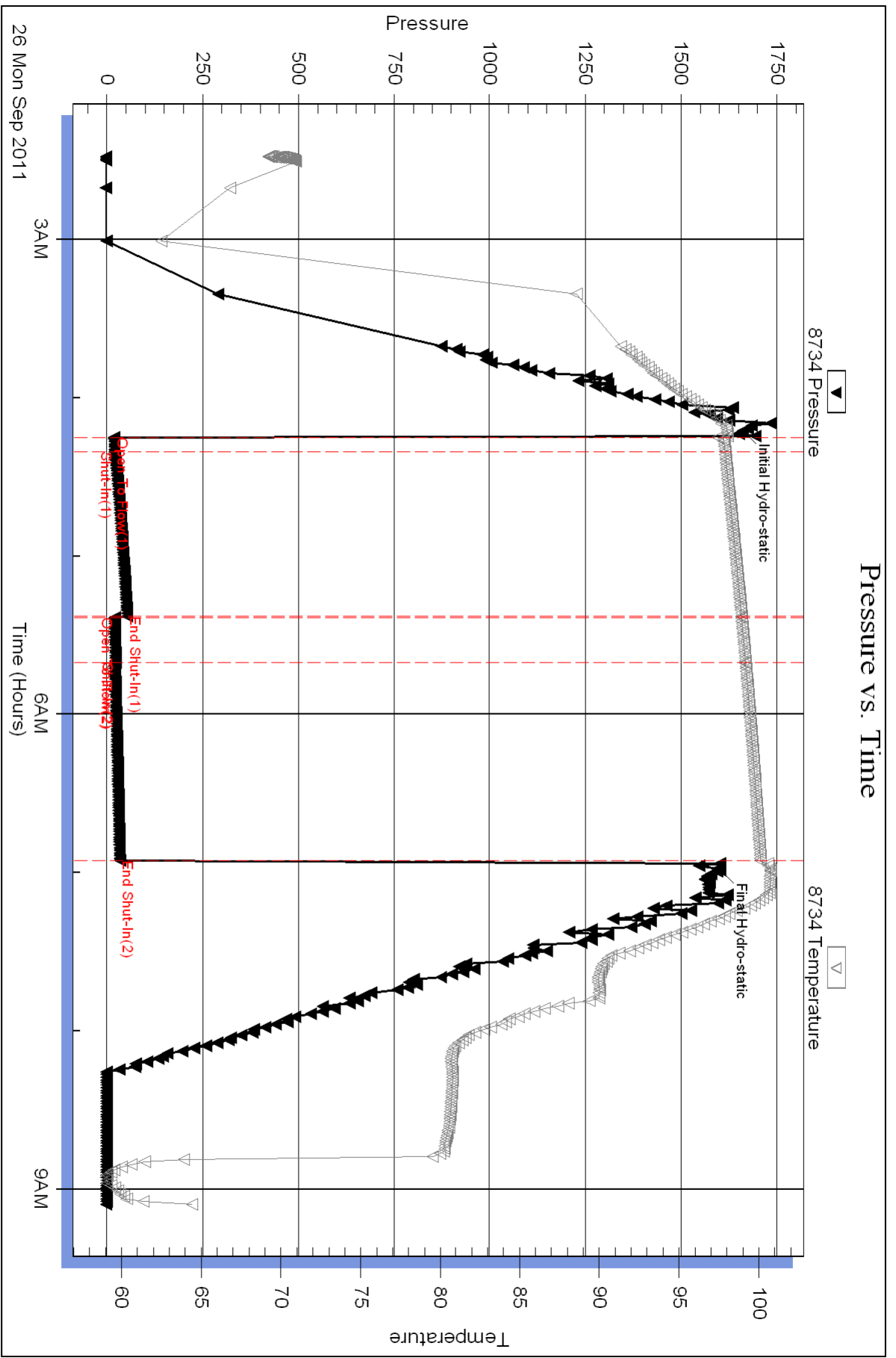
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 4000 ml mud, 25 lbs



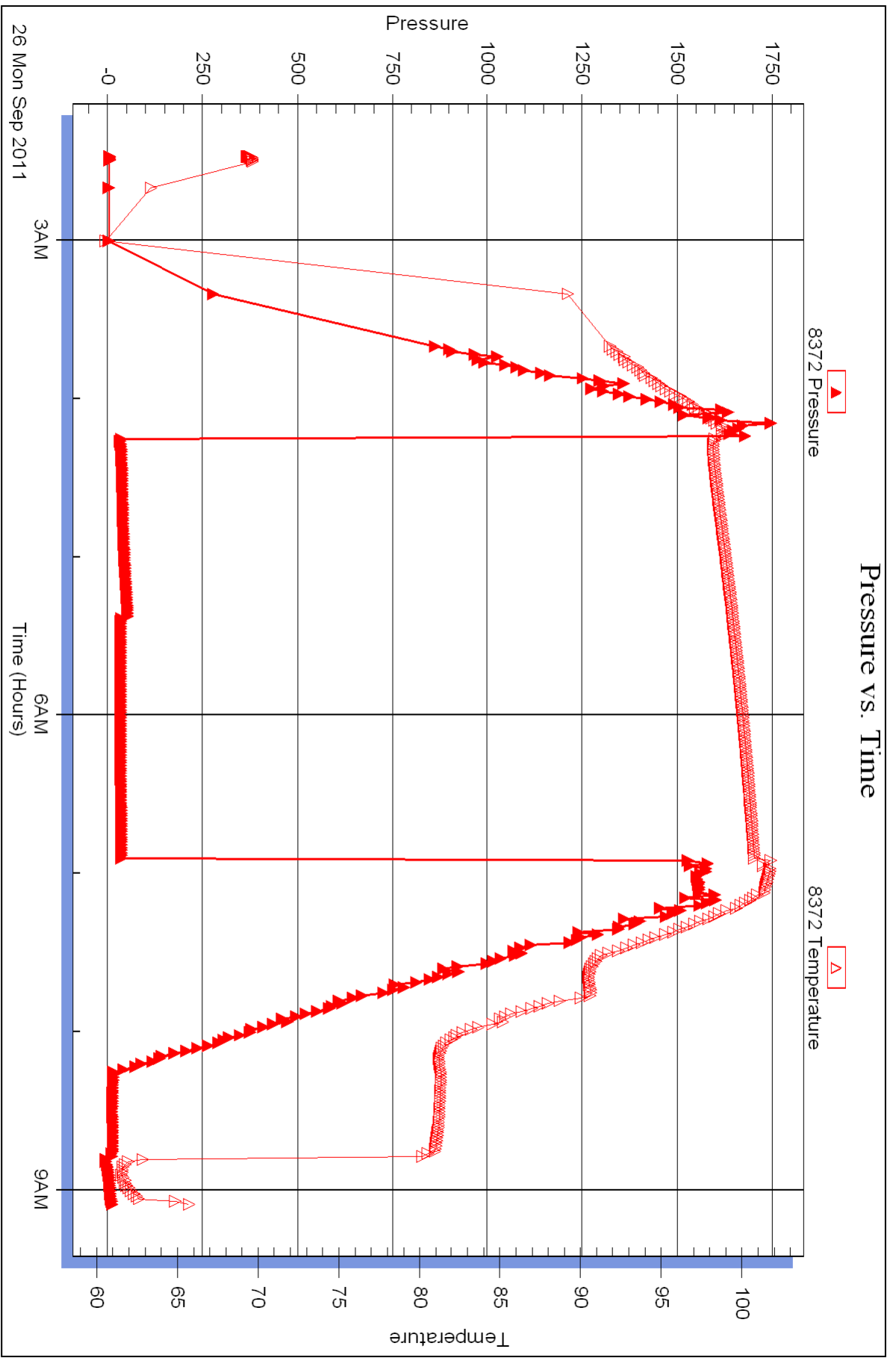
Serial #: 8372

Inside

Samuel Gary Jr. and Associates, Inc.

25-16-16 Rush, Ks

DST Test Number: 2



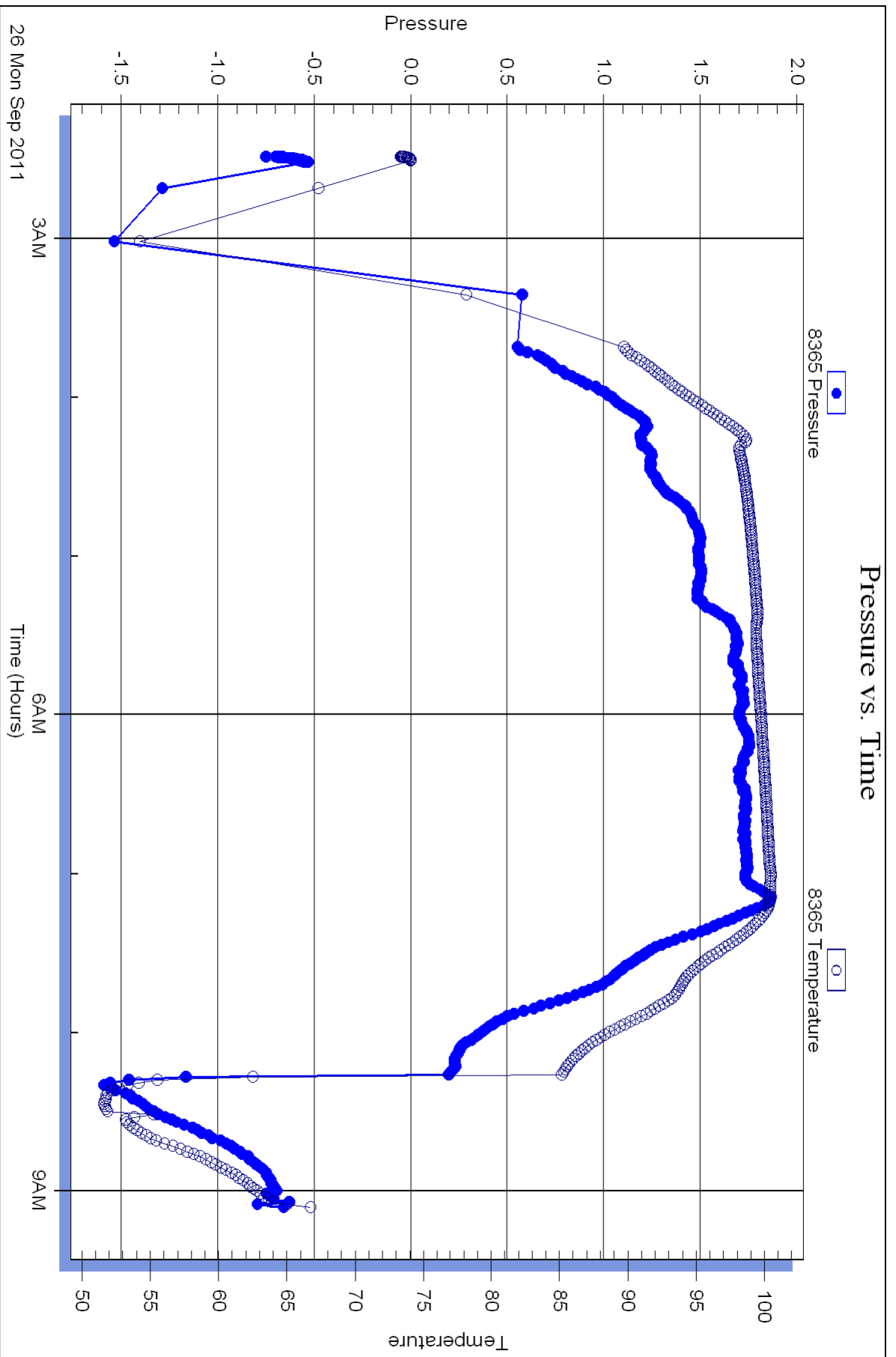
Serial #: 8365

Fluid

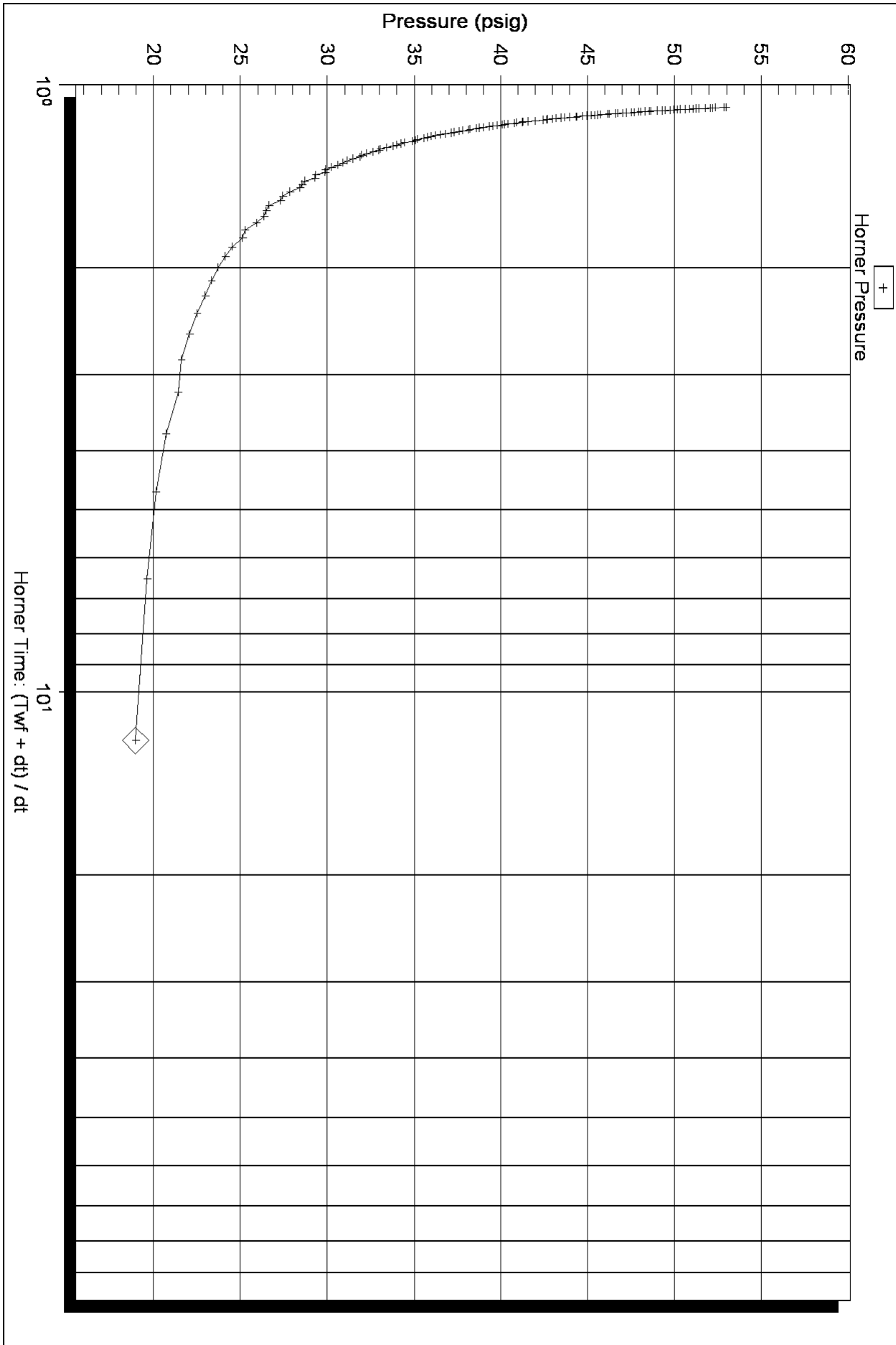
Samuel Gary Jr. and Associates, Inc.

25-16-16 Rush, Ks

DST Test Number: 2



Horner Plot



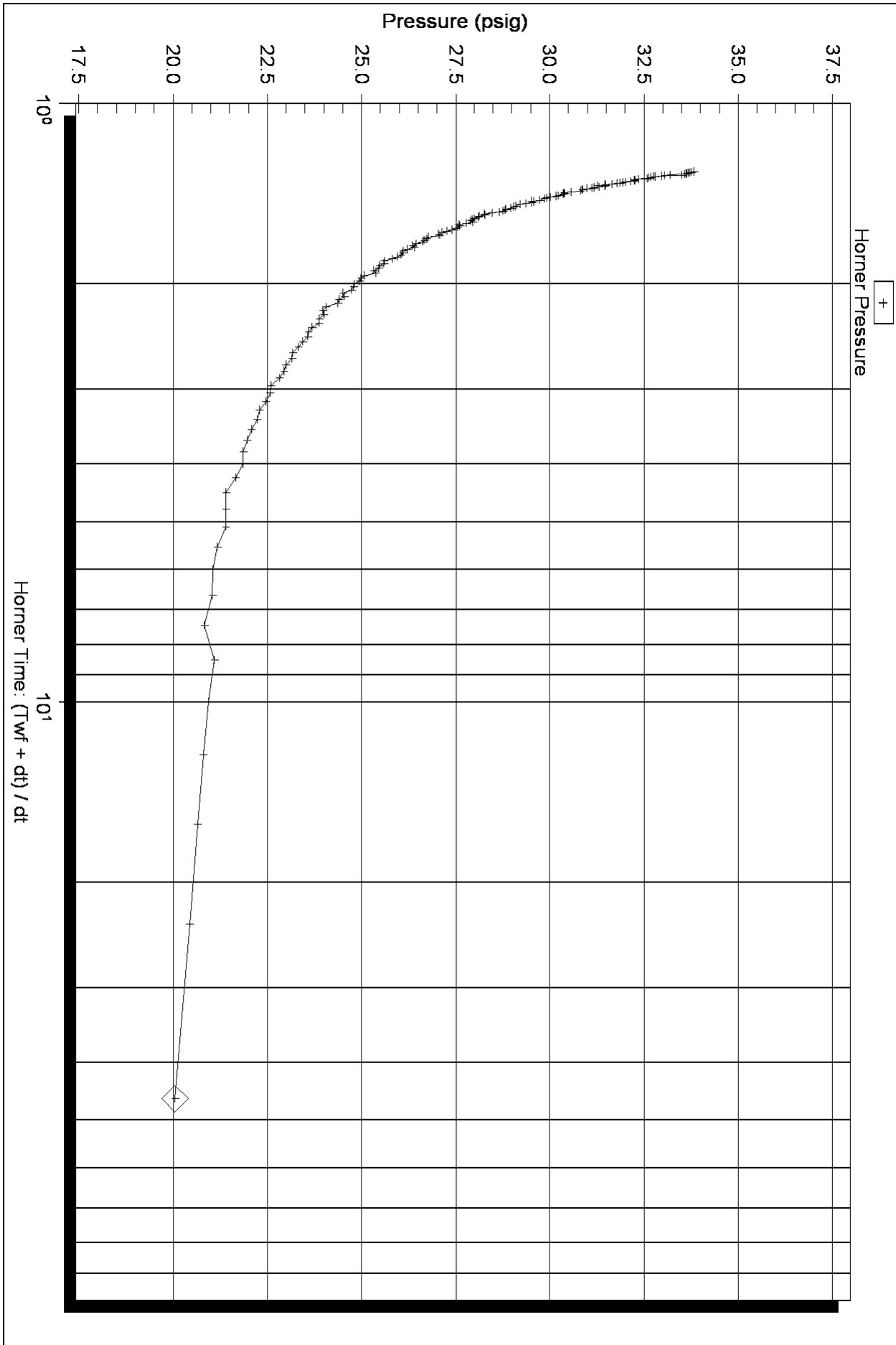
Serial Number: 8734 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8734 (Outside)

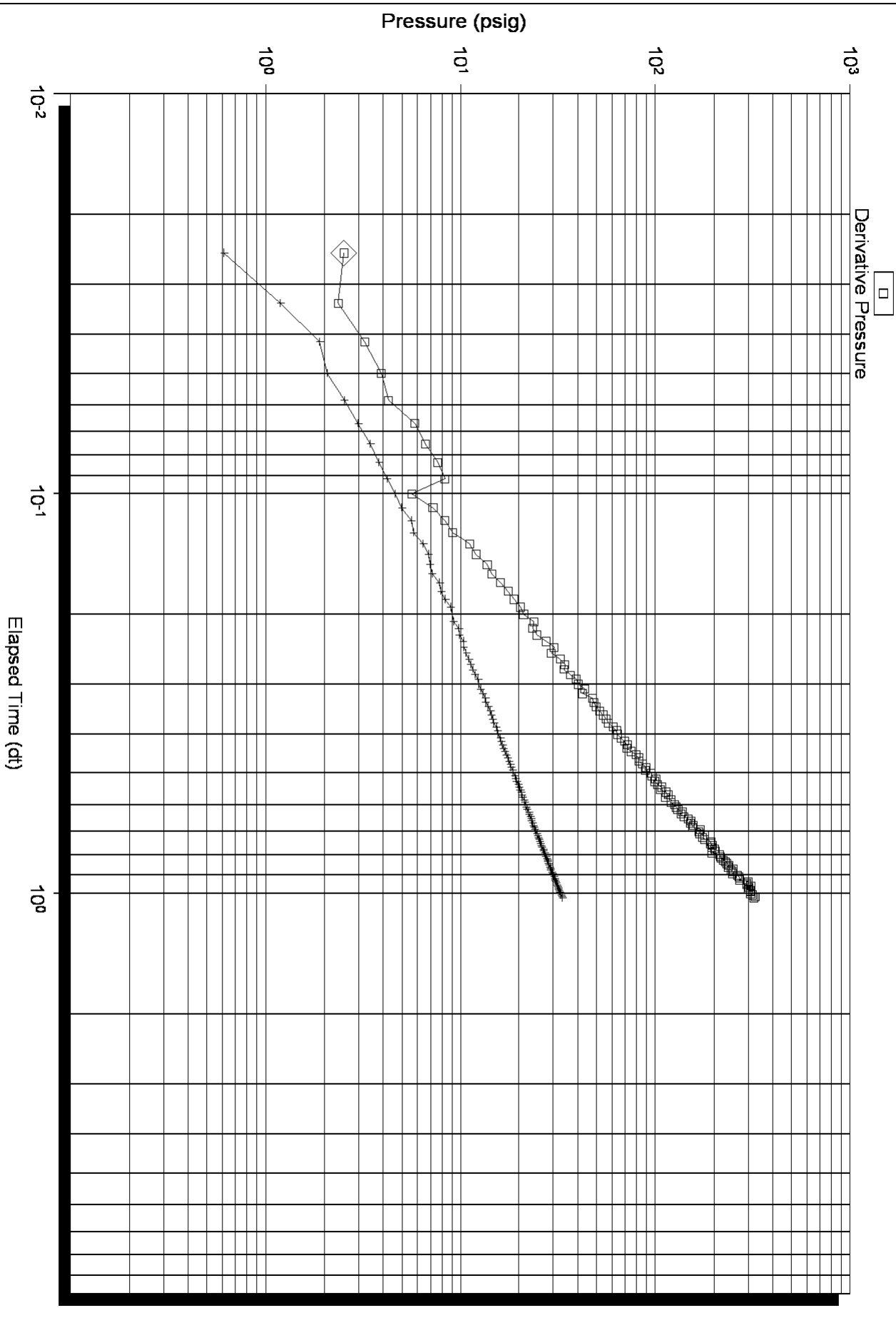
P* :

Slope (m) : kpa/log cycle

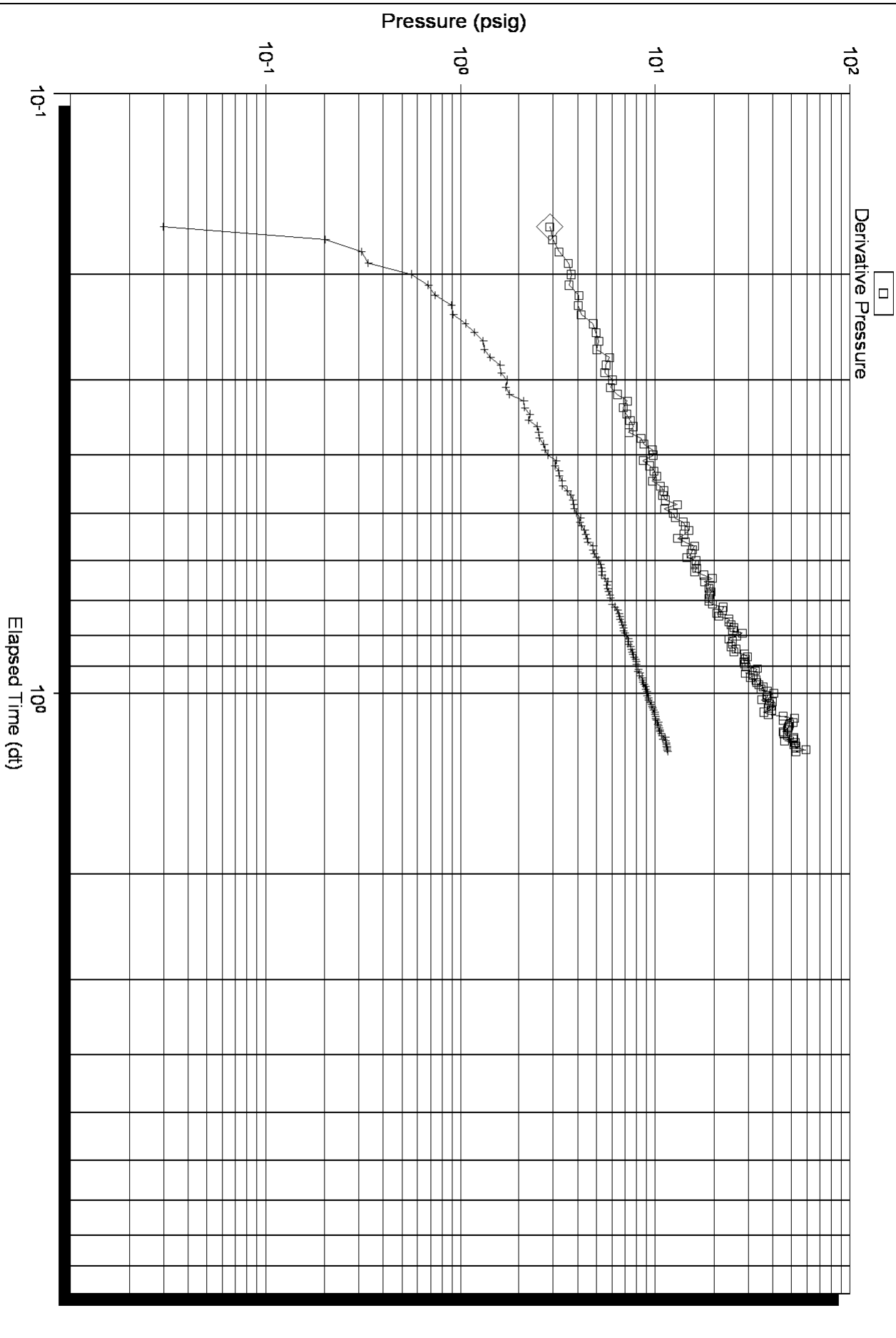
Flow Cycle: 2

Horner Time: (T_{wf} + dt) / dt

Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. and Associates, Inc.**

1515 Wynkoop St. Ste 700
Denver, CO 80202

ATTN: Neil Sharp

25-16-16 Rush, Ks

Maier Family Trust 1-25

Start Date: 2011.09.26 @ 21:17:10

End Date: 2011.09.27 @ 05:22:40

Job Ticket #: 45152 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 45152

DST#: 3

Test Start: 2011.09.26 @ 21:17:10

GENERAL INFORMATION:

Formation: **Penn Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:10:10

Time Test Ended: 05:22:40

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3485.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3540.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 387.46 psig @ 3489.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.26

End Date:

2011.09.27

Last Calib.:

2011.09.27

Start Time: 21:17:11

End Time:

05:22:40

Time On Btm:

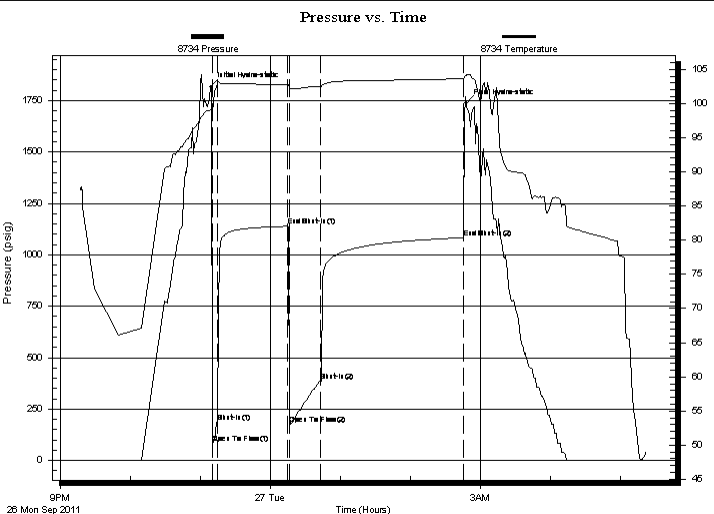
2011.09.26 @ 23:08:40

Time Off Btm:

2011.09.27 @ 02:47:40

TEST COMMENT: 5 - IFP - BOB 2 min
60 - ISI - 3" blow back - died 21 min
30 - FFP - BOB 1 1/2 min
12 - FSI - BOB 9 min

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1818.01 | 99.08 | Initial Hydro-static |
| 2 | 84.00 | 98.68 | Open To Flow (1) |
| 6 | 187.67 | 102.87 | Shut-In(1) |
| 66 | 1138.85 | 102.81 | End Shut-In(1) |
| 67 | 175.42 | 102.43 | Open To Flow (2) |
| 94 | 387.46 | 102.53 | Shut-In(2) |
| 217 | 1083.20 | 103.62 | End Shut-In(2) |
| 219 | 1737.69 | 104.14 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 45.00 | VSOCM 5%O, 95%M | 0.63 |
| 170.00 | GMO 20%G, 50%O, 30%M | 2.38 |
| 700.00 | FREE OIL 95%O, 5%M | 9.82 |
| 0.00 | 510' GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45152

DST#: 3

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 21:17:10

GENERAL INFORMATION:

Formation: **Penn Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:10:10

Time Test Ended: 05:22:40

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3485.00 ft (KB) To 3540.00 ft (KB) (TVD)

Total Depth: 3540.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1971.00 ft (KB)

1961.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8365

Fluid

Press @ Run Depth: psig @ 3450.00 ft (KB)

Start Date: 2011.09.26

End Date:

2011.09.27

Start Time: 21:17:25

End Time:

05:22:54

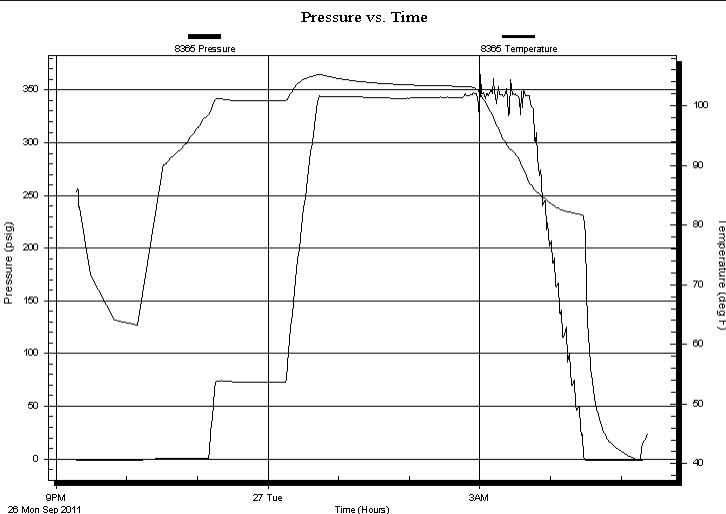
Capacity: 8000.00 psig

Last Calib.: 2011.09.27

Time On Btm:

Time Off Btm:

TEST COMMENT:
5 - IFP - BOB 2 min
60 - ISI - 3" blow back - died 21 min
30 - FFP - BOB 1 1/2 min
12 - FSI - BOB 9 min



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 45.00 | VSOCM 5%O, 95%M | 0.63 |
| 170.00 | GMO 20%G, 50%O, 30%M | 2.38 |
| 700.00 | FREE OIL 95%O, 5%M | 9.82 |
| 0.00 | 510' GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45152

DST#: 3

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 21:17:10

GENERAL INFORMATION:

Formation: **Penn Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:10:10

Time Test Ended: 05:22:40

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3485.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1971.00 ft (KB)

Total Depth: 3540.00 ft (KB) (TVD)

1961.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8372 Inside

Press @ Run Depth: psig @ 3489.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.26 End Date: 2011.09.27

Last Calib.: 2011.09.27

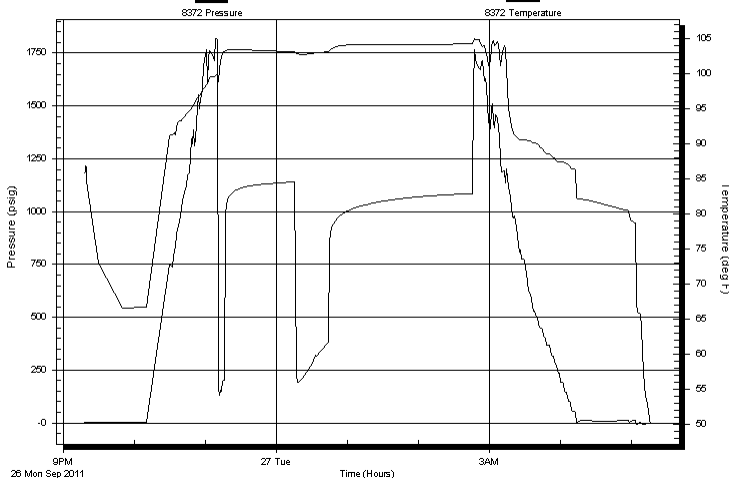
Start Time: 21:17:35 End Time: 05:16:34

Time On Btm:

Time Off Btm:

TEST COMMENT: 5 - IFP - BOB 2 min
60 - ISI - 3" blow back - died 21 min
30 - FFP - BOB 1 1/2 min
12 - FSI - BOB 9 min

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 45.00 | VSOCM 5%O, 95%M | 0.63 |
| 170.00 | GMO 20%G, 50%O, 30%M | 2.38 |
| 700.00 | FREE OIL 95%O, 5%M | 9.82 |
| 0.00 | 510' GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45152

DST#: 3

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 21:17:10

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3475.00 ft | Diameter: 3.80 inches | Volume: 48.75 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 62000.00 lb |
| | | | <u>Total Volume: 48.75 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 51000.00 lb |
| Depth to Top Packer: | 3485.00 ft | | | Final 53000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 55.00 ft | | | |
| Tool Length: | 90.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Recorder | 0.00 | 8365 | Fluid | 3450.00 | |
| Blank Spacing | 5.00 | | | 3455.00 | |
| Shut In Tool | 5.00 | | | 3460.00 | |
| Sampler | 3.00 | | | 3463.00 | |
| Hydraulic tool | 5.00 | | | 3468.00 | |
| Jars | 5.00 | | | 3473.00 | |
| Safety Joint | 2.00 | | | 3475.00 | |
| Packer | 5.00 | | | 3480.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3485.00 | |
| Stubb | 1.00 | | | 3486.00 | |
| Perforations | 3.00 | | | 3489.00 | |
| Recorder | 0.00 | 8372 | Inside | 3489.00 | |
| Recorder | 0.00 | 8734 | Outside | 3489.00 | |
| Change Over Sub | 1.00 | | | 3490.00 | |
| Blank Spacing | 31.00 | | | 3521.00 | |
| Change Over Sub | 1.00 | | | 3522.00 | |
| Perforations | 15.00 | | | 3537.00 | |
| Bullnose | 3.00 | | | 3540.00 | 55.00 Bottom Packers & Anchor |

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45152

DST#: 3

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 21:17:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|----------------------|----------------|
| 45.00 | VSOCM 5%O, 95%M | 0.631 |
| 170.00 | GMO 20%G, 50%O, 30%M | 2.385 |
| 700.00 | FREE OIL 95%O, 5%M | 9.819 |
| 0.00 | 510' GIP | 0.000 |

Total Length: 915.00 ft Total Volume: 12.835 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1500 ML GAS, 1500 ML OIL, 1000 ML MUD, 295 LBS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Samuel Gary Jr. and Associates, Inc.

Maier Family Trust 1-25

1515 Wynkoop St. Ste 700
Denver, CO 80202

25-16-16 Rush, Ks

Job Ticket: 45152

DST#: 3

ATTN: Neil Sharp

Test Start: 2011.09.26 @ 21:17:10

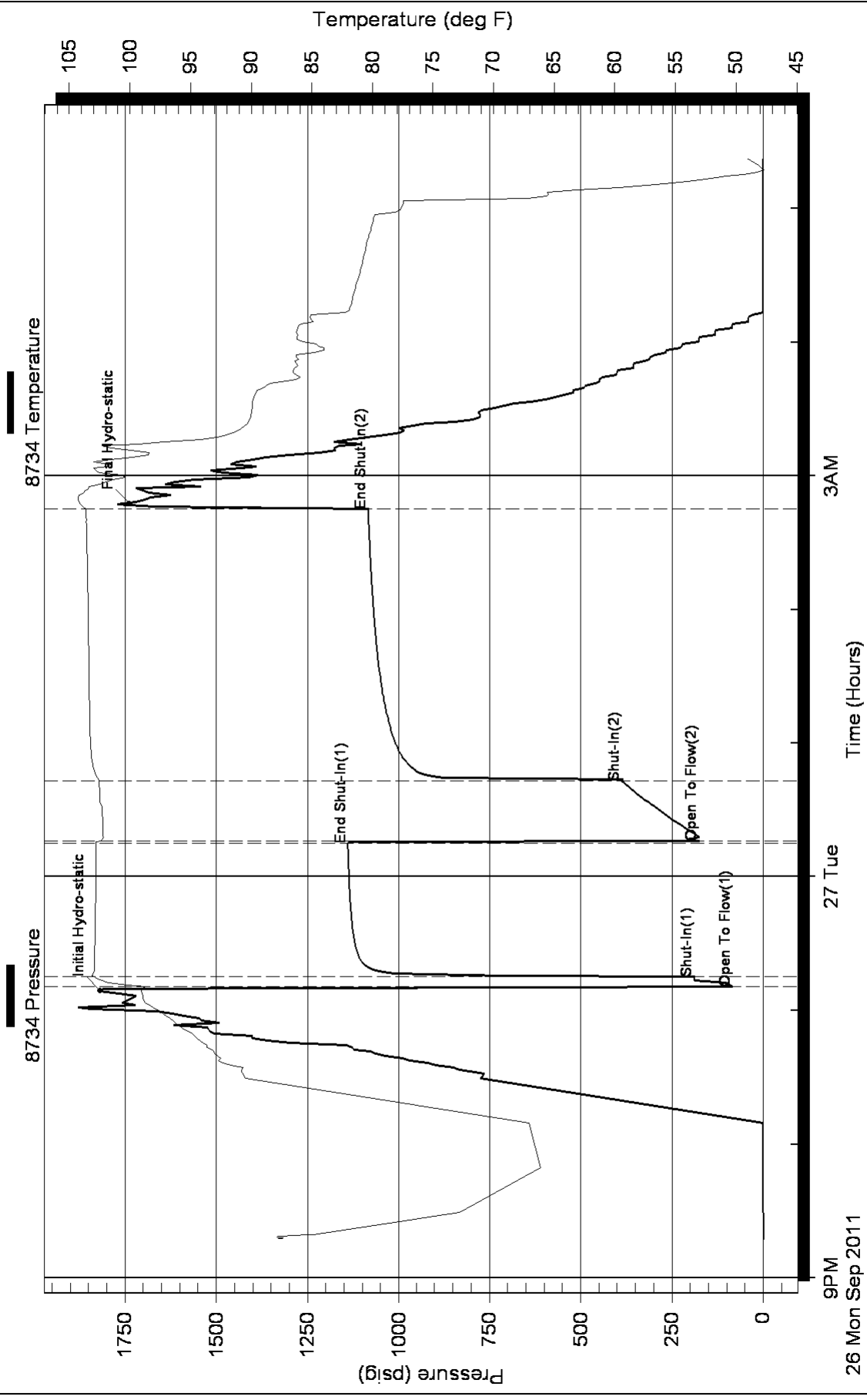
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| | | 0.00 | 0.00 | 0.00 |

Pressure vs. Time



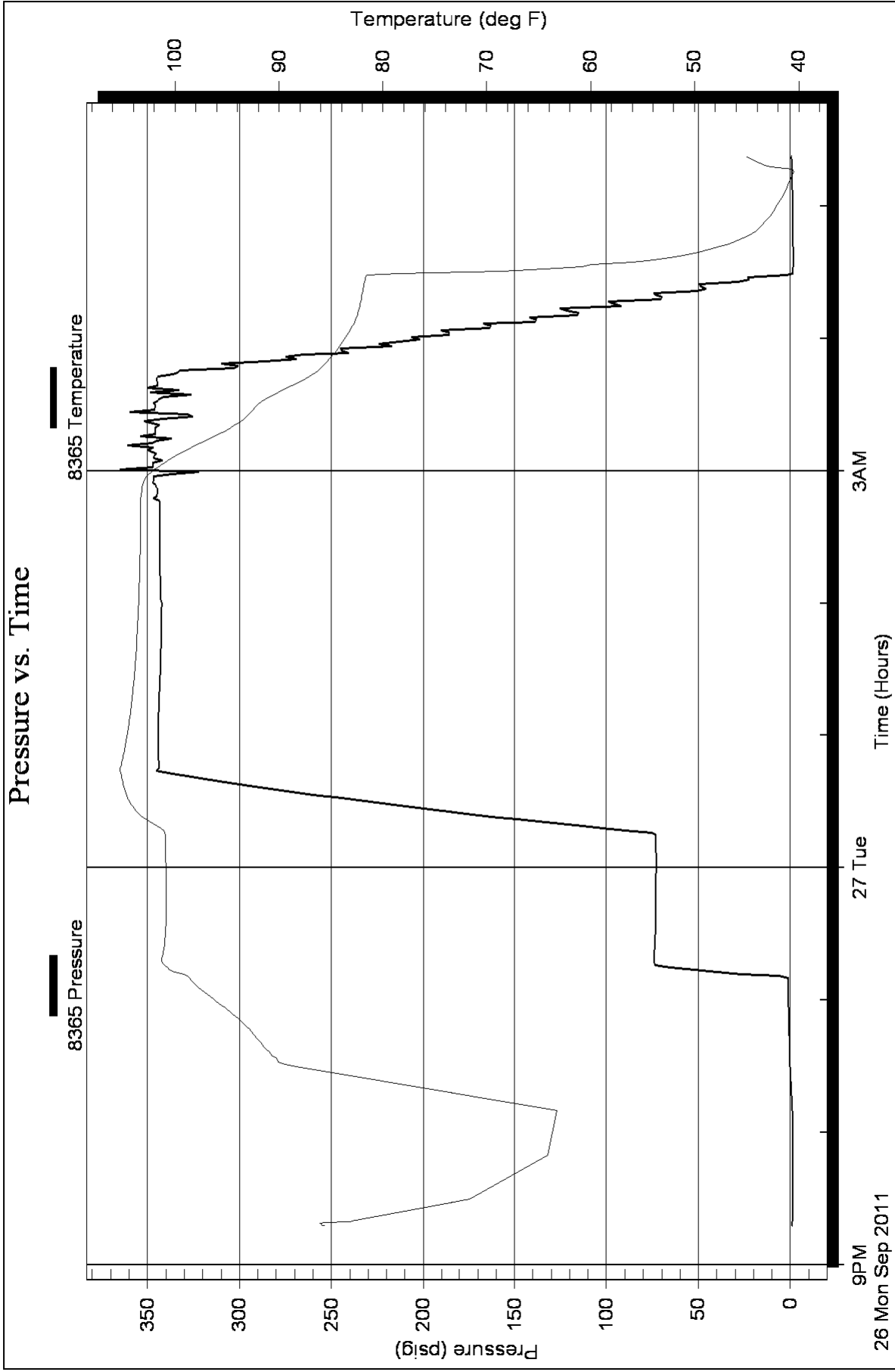
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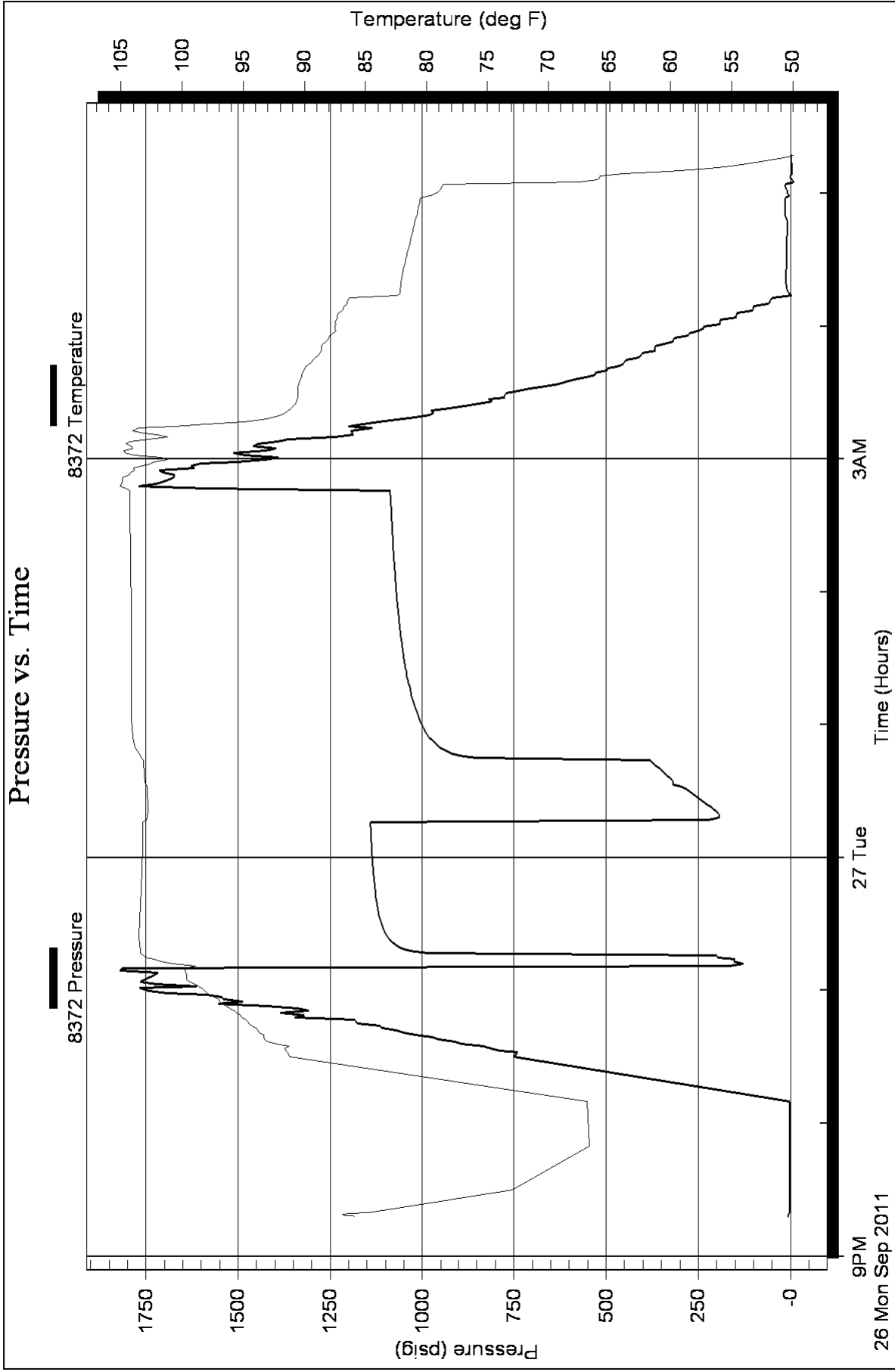
Fluid

Samuel Gary Jr. and Associates, Inc.

25-16-16 Rush, Ks

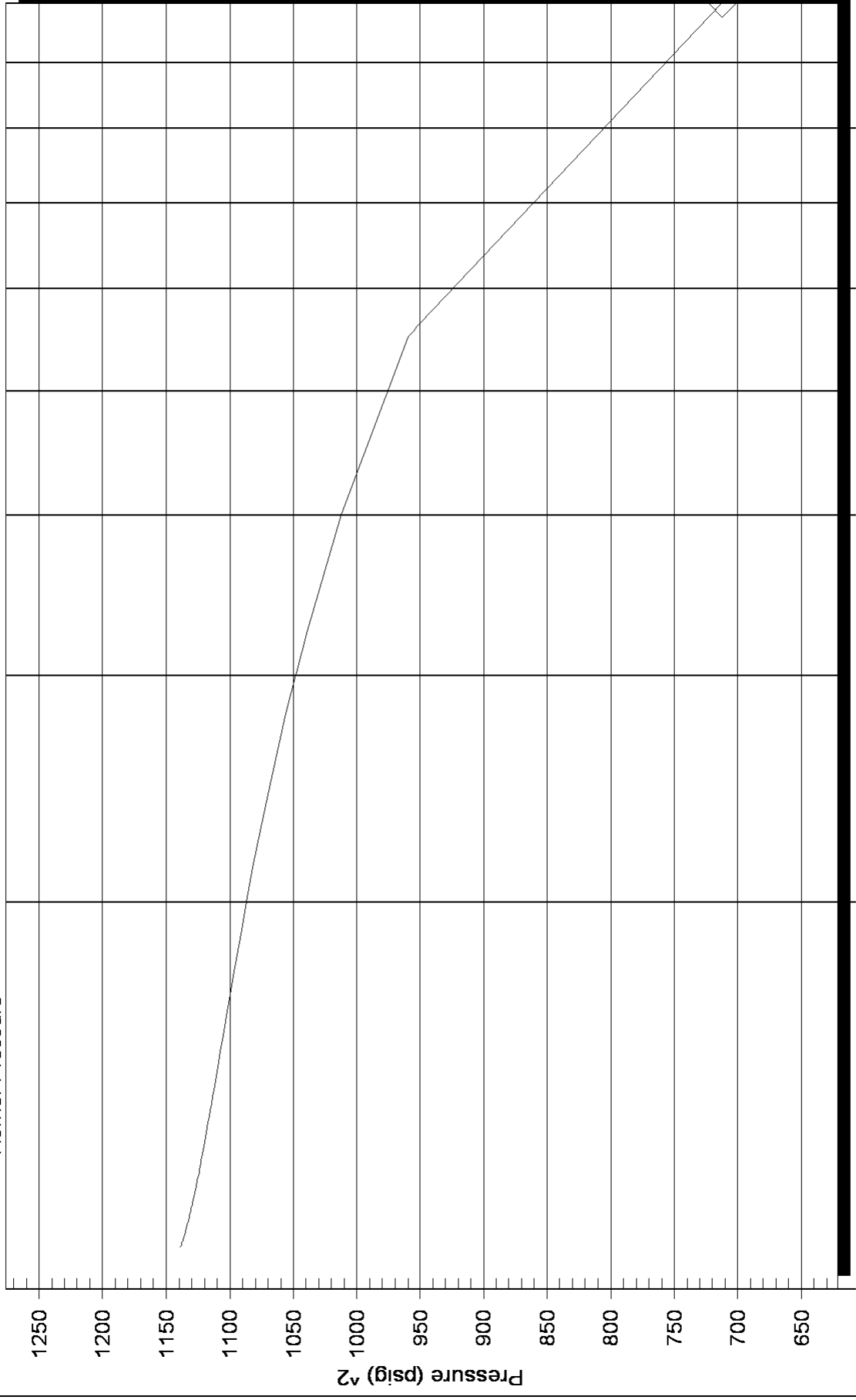
DST Test Number: 3





Homer Plot

Horner Pressure



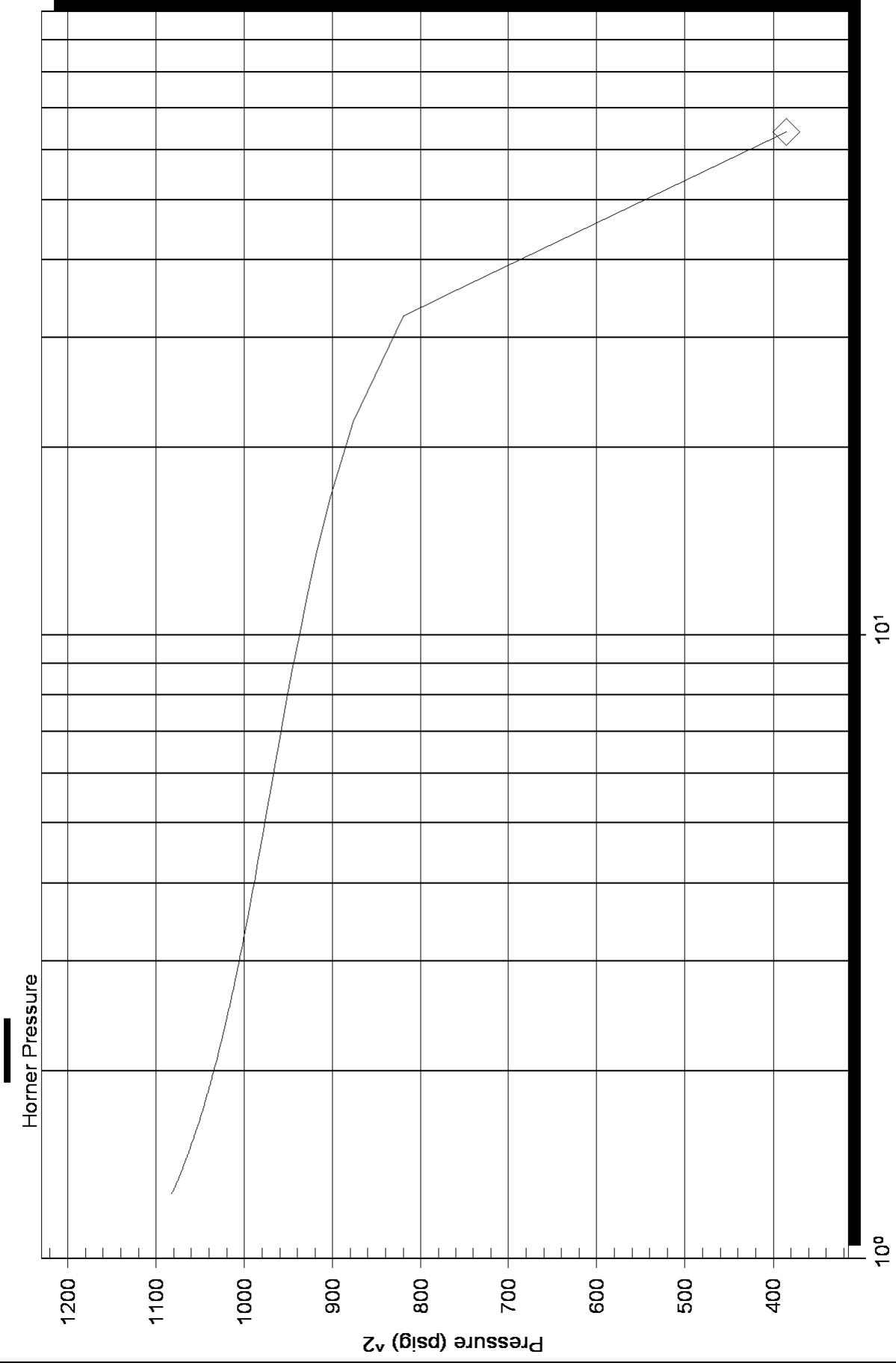
Horner Time: (T_{wf} + dt) / dt

Slope (m) : kpa/log cycle

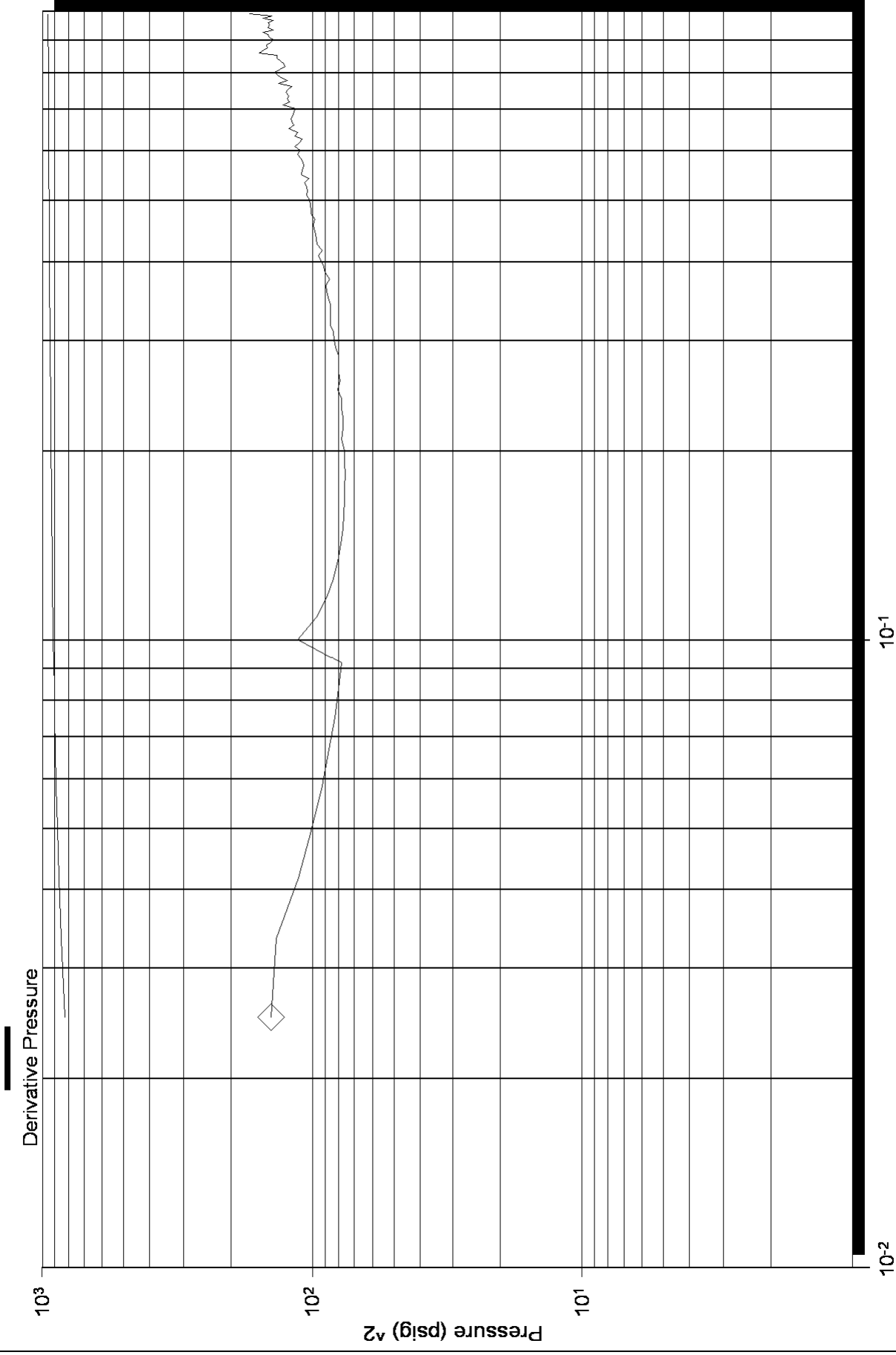
Flow Cycle: 1

Serial Number: 8734 (Outside)

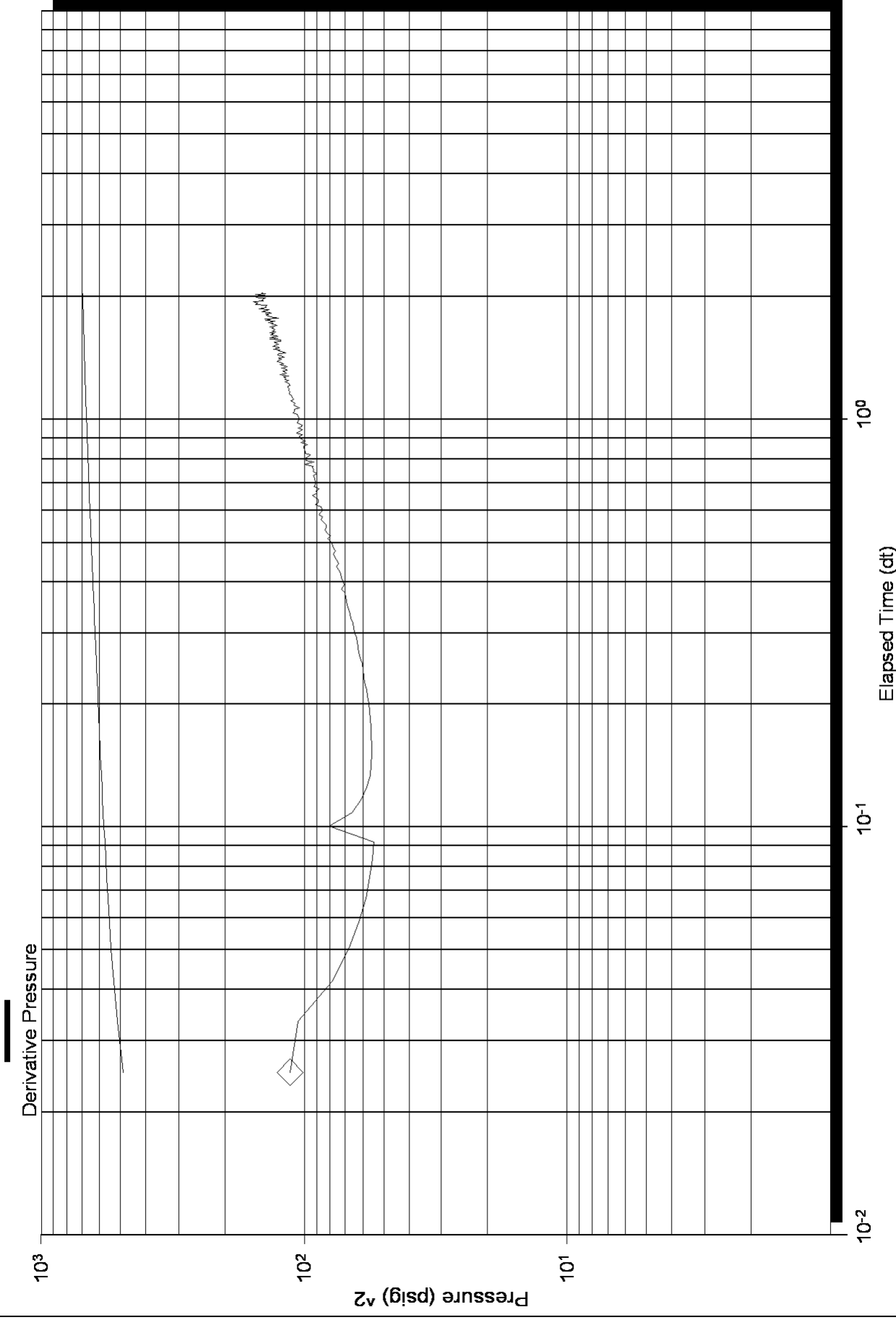
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Maier Family Trust 1-25
 Location: Sec. 25-16S-16W Rush County, Kansas
 License Number: 15-165-21936-00-00
 Spud Date: 9/20/11
 Surface Coordinates: 990' FSL / 580' FEL
 Region: Allenbough East
 Drilling Completed: 9-27-2011

Bottom Hole Coordinates:
 Ground Elevation (ft): 1961' K.B. Elevation (ft): 1971'
 Logged Interval (ft): 1800' To: 3650' Total Depth (ft): 3650'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Sam Gary Jr. & Assoc
 Address: 1515 Wynkoop, # 700
 Denver, Co. 80202
 Geo: Neil Sharp

GEOLOGIST

Name: Tim Hedrick
 Company: EARTH TECH OGL, Inc.
 Address: PO Box 683
 102 W. Main
 Hooker, Okla. 73945

DST'S

DST #1 3338 TO 3349' 5 60 20 70
 IF- WK 1/4" B;O THRU/ ISI-NB/ FF- NB/ FSI- NB
 IH- 1647, FH 1604/ IF 20 T 18/ FF-21 TO 23/ ISI-587, FSI-300
 RECOVERED- 2' TOTAL FLUID, 2' DRILL MUD, BHT 102 DEG., PIT CHL 5800/ SAMPLER- 4000 ML M., 80 PSI

DST#2 3416 TO 3455 5 60 20 70
 IF-SRFC BLO THRU/ISI-NB/ FF- NB/ FSI- NB
 IH-1661, FH-1603/ IF-19 TO 20, FF- 20 TO 22/ ISI-53 , FSI-34
 RECOVERED - 5' TF, 5' DRILL M., BHT 100 DEG/ PIT CHL-5900/ SAMPLER 4000 ML M., 25 PSI

DSTs

DST#3 3485 TO 3540 5 60 3 120
 IF - BOB IN 2 MIN./ ISI-3" BLO DIED IN 21 MIN/FF-BOB IN 11/2 MIN/FSI- BOB IN 9 MIN.
 IH- 1818, FH -1738/ IF 84 TO 188, FF-175 TO 387/ISI- 1139,FSI-1083
 RECOVERED-510' GIP/ 915' TF, 700' FREEOIL,95%O.,5%M./ 170' GMO,20%G,50%O.,30%M./ 45' VSOCM, 5%O., 95%M.
 BHT 104, GR 39/ PIT CHL 7300
 SAMPLER-1500 ML GAS, 1500 ML OIL, 295 PSI- 4000ML TOTAL

ROCK TYPES

| | | | |
|-------|-------|---------|----------|
| Anhy | Gyp | Shgy | Sandylms |
| Bent | Igne | Sltst | Shale |
| Brec | Lmst | Ss | Sltstn |
| Cht | Meta | Till | Shlyslts |
| Clyst | Mrlst | Carb sh | Sitysh |
| Coal | Salt | Dol | Lms |
| Congl | Shale | Dtd | |
| Dol | Shcol | Gry sh | |

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandyms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

Angular

OIL SHOWS

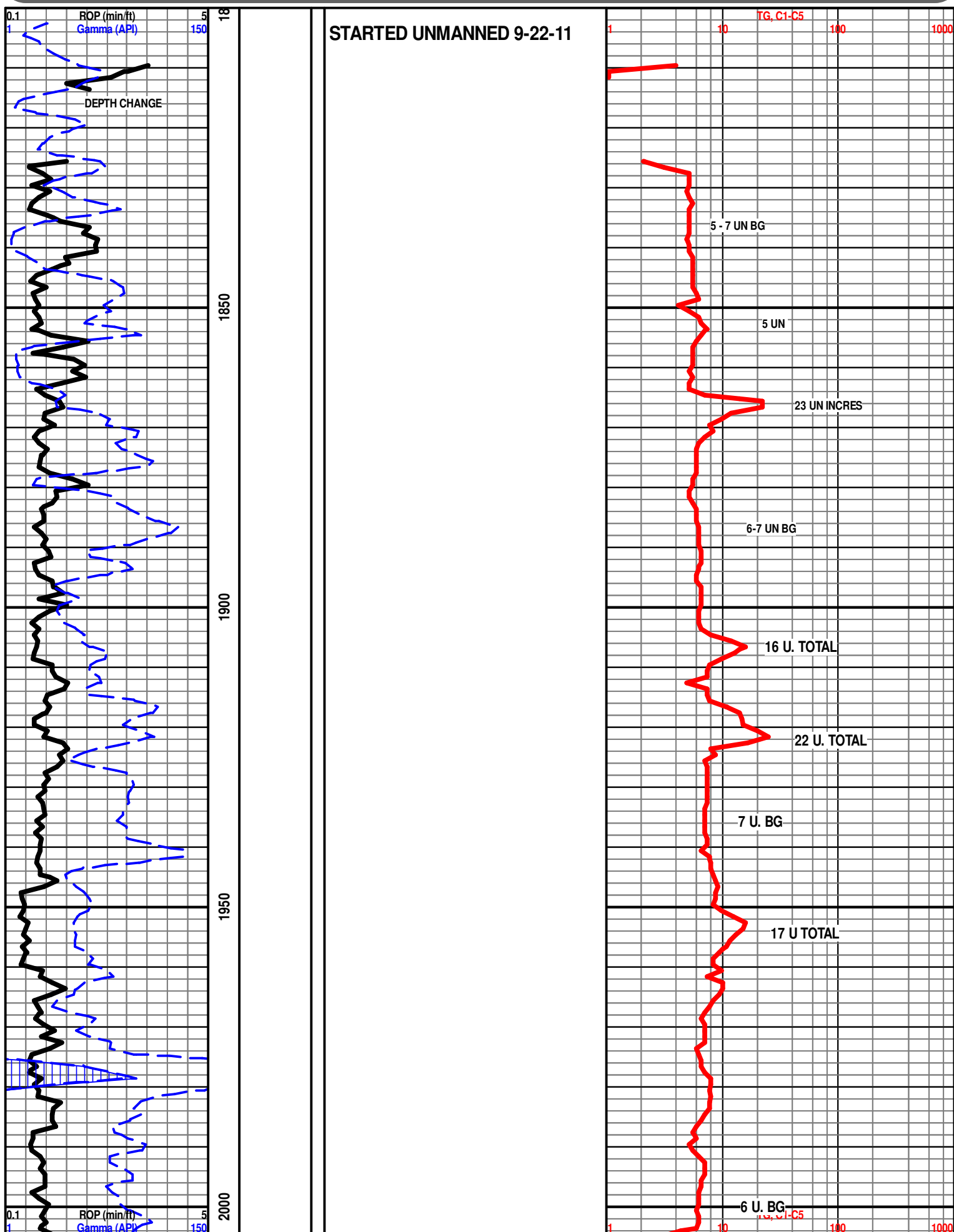
- Even
- Spotted
- Ques
- Dead
- Gas show

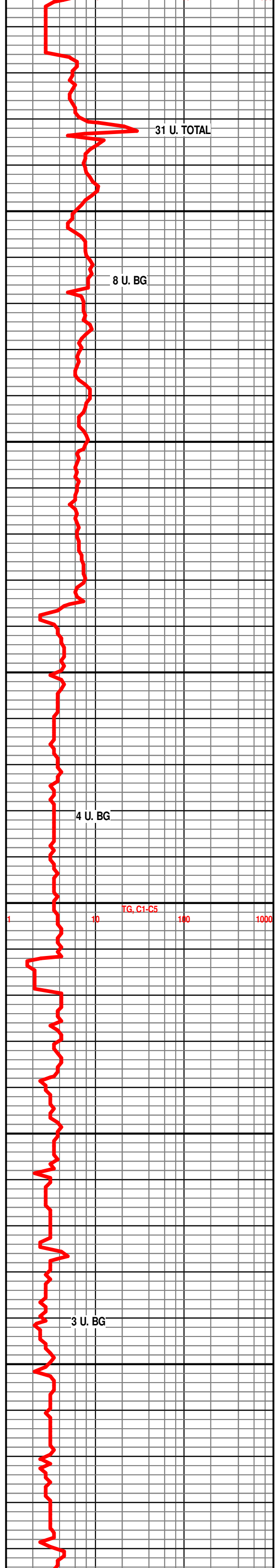
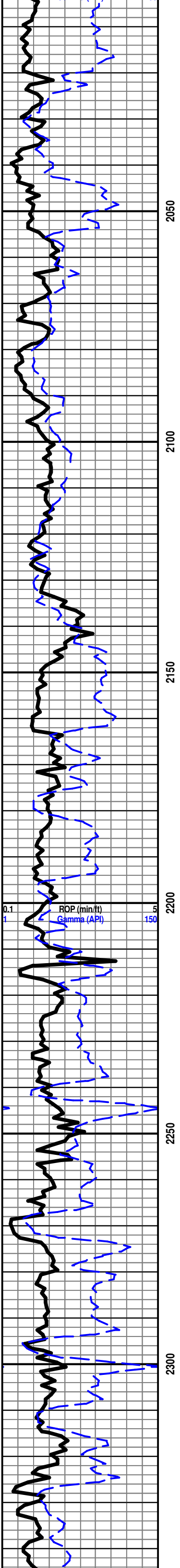
INTERVALS

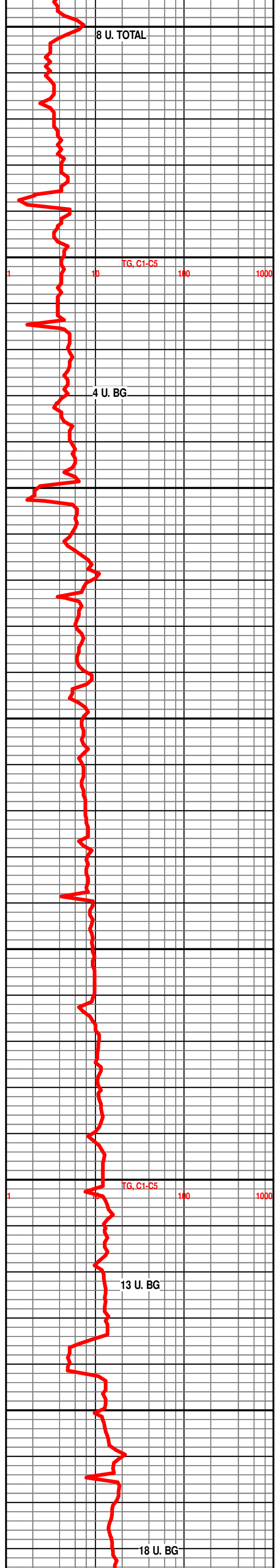
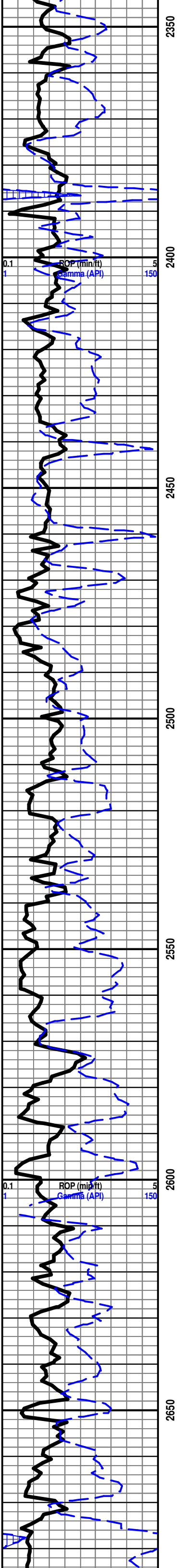
- Core
- Dst
- Dst

EVENTS

- Rft
- Sidewall





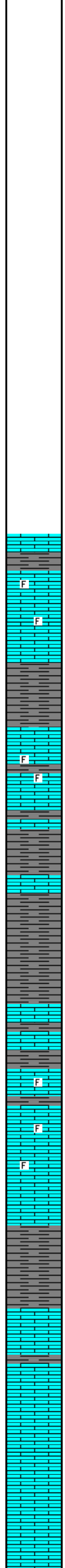
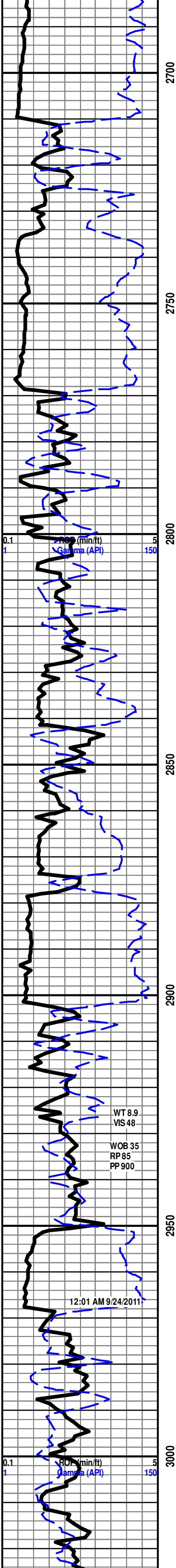


8 U. TOTAL

4 U. BG

13 U. BG

18 U. BG



BASE RT SH. 2709' - 738'

LS- CRM LT TN TN HD DNS TO SLI BRITT, MD-F-XLN RE-XLN MTRX, FOSS FRGS IMBD THRU , BRIT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

SH- LT TO MD GY- FRM IP BLKY SMTH TXT TO SFT IP

LS- LT TN TO LT GY- HD DNS F-XLN TO MD XLN IP TR IMBD FOSS FRGS IP , TR IMBD DISS SH IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT YO MD GY- FRM BLKY IP TO SFT V/ GMMY TXT

SH- LT TO MD GY- FRM IP TO V/ SFT GMMY TO SLI SLTY IP

HOWARD 2902' - 931'

LS- TN LT BRN- HD DNS MD-FXLN RE-XLN MTRX, FOSS FRGS IMBD IP, SLI TR IMBD SH IP, LT BRIT YEL MIN FLO , NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT TO CRM BFF- HD BRITT IP GRDNG TO ABDT SFT WHT CHLK, TR FOSS FRGS IP, LT BRIT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

SEVERY 2950' - 979'

SH- LT GRN TO MD GY - FRM IP TO V/ SFT SLTY TO V/ SFT GMMY IP

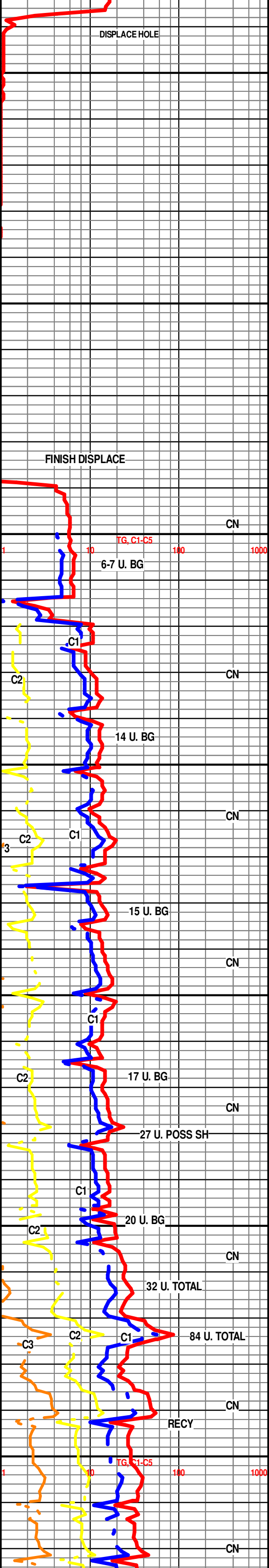
TOPEKA 2968' - 997'

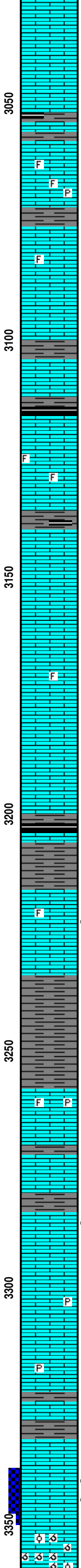
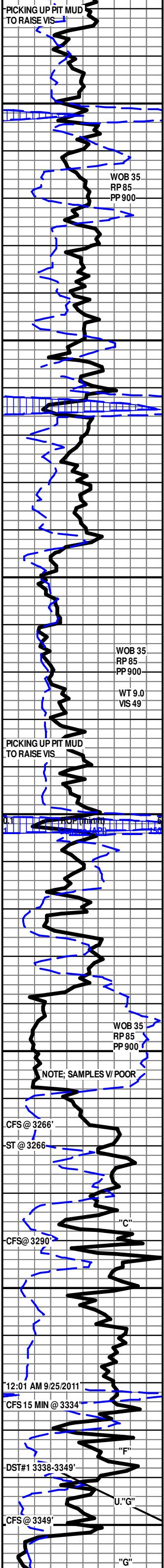
LS- CRM LT TN BFF- HD DNS TO TR BRITT, MD-XLN TO TT SUCRO MTRX, SLI TR SFT WHT CHLK IP, SCAT BRIT YEL FLO IP, TR PR MICRO PP POR IP, NO VIS CUT

LS- OFF WHT CRM - MD HD TO SFT, ABDT WHT CHLK GMMY TXT, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM TN BFF- HD DNS TO V/ SFT, F-XLN TO S-SUCRO S-CHLKY TO CHLKY, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS F-V/F-XLN RE-XLN





MTRX IP, SLI TR IMBD ANG LM GRNS IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN- HD DNS F-V/F-XLN , SUCRO S-CHLKY IP, HVY TR ABDT SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

SH- DK GY - FRM BLKY SMTH TXT W/ TR BLK SFT CARB SH IMBD IP

LS- CRM LT TNT TN- HD DNS TO BRITT, MD-F-XLN RE-XLN TRX, SCAT IMBD FOSS FRGS, TR SCAT PYR IP, NO FLO, NO VIS POR, NO VIS SHOW

LeCOMPTON 3075' - 1104'

LS- CRM LT TN TN- HD DNS F-MD -XLN SLI RE-XLN IP, SLI TR FOSS FRGS IP , SLI TR IMBD WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT GRN, V/ SFT GMMY TXT

SH- BLK SFT CARB

LS- OFF WHT CRM BFF- HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX IP, HVY TR SCAT FOSS FRGS IP, SLI TR SUCRO S-CHLKY IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- DK GY TO BLK- FRM BLKY SMTH TXT TO BLK SFT CARB IP

LS- OFF WHT CRM- MD HD TO SFT, V/ SUCRO S-CHLKY TO CHLKY IP, SLI TR AREN LOOKING TXT IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OF WHT WHT- MD HD TO SFT, V/ SUCRO S-CHLKY TO CHLKY MTRX, SLI TR FOSS FRGS IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD DNS IP TO SFT CHLKY, F-XLN TO SUCRO S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3200' - 1229'

SH- BLK SFT CARB

SH- LT GY TO LT GRN- V/ FRM IP TO V/ SFT GMMY TXT

3221- 3224' LS- OFF WHT CRM (LT TN STN IN 10%), HD DNS F-V/F-XLN RE-XLN MTRX, SLI TR FOSS FRGS IMBD IP, SLI TR SFT WHT CHLK IMBD IP, DLL YEL FLO IN 80%, BRIT YEL GLD FLO IN 10%, PR VIS INTER FOSS POR IN 10%, NO VIS POR IN 80%, GD FLSH CUT TO FR SLO STRM CUT IN 10%, NO ODOR

DOUGLAS 3234' - 1263'

SH- LT GY GY- FRM IP TO V/ SFT SLTY TXT

LANSING 3258' - 1287'

LS- CRM BFF OFF WHT- HD DNS TO BRITT IP, MD-XLN RE-XLN MTRX IP, HVY TR ABDT SFT CHLK IP, TR SCAT IMBD FOSS FRGS IP, SCAT IMBD PYR CLSTRS, NO FLO, NO VIS POR, NO VIS SHOW

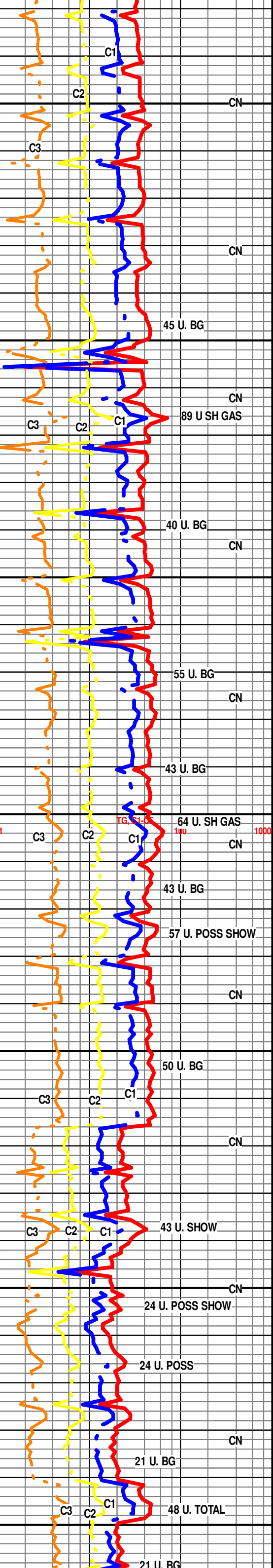
3284 - 3286 LS- OFF WHT CRM BFF(LT TN STN IN 10%)- HD DNS IP TO BRITT IP, MD-F-XLN RE-XLN MTRX, HVY TR FOSS FRGS IP, ABDT SFT WHT CHLK IMBD IP, BRIT YEL GLD FLO IN 10%, DLL YEL FLO IN 20%, NO FLO IP, PR TO FR VIS MICRO VUG POR IP, TR PR SCAT INTER FOSS POR IP, LT FLSH TO V/ WK SLO STRM CUT IN 10%, FLEETING ODOR

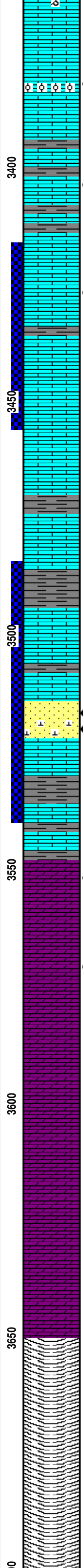
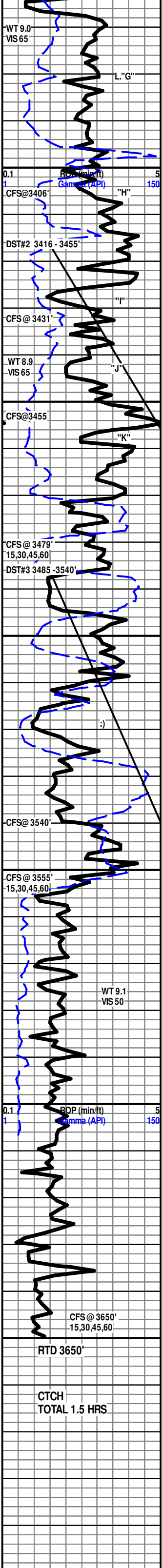
3301-3304 LS- OFF WHT CRM BFF- HD DNS F-V/F-XLN RE-XLN IP, TR IMBD CALC XLS IP, HVY TR ABDT FRM TO SFT WHT CHLK IP, SLI TR SCAT PYR CLSTRS, DLL YEL FLO IP TO NO FLO , POSS FRACT POR IP, NO VIS SHOW OR CUT

LS- OFF WHT WHT- HD DNS F-XLN TO SUCRO S-CHLKY IP, ABDT SFT WHT CHLK , TR FREE PYR CLSTRS, NO FLO, NO VIS POR, NO VIS SHOW

3341 TO 3346- LS- CRM LT TN TN (TN STN IN 70%) HD DNS IP TO V/ BRITT, MD-F-XLN RE-XLN MTRX, SMLL IMBD OOL IP, SCAT FOSS FRGS THRU, TR WHT CHRT IP, BRIT YEL GLD FLO 90%, PR VIS INTER FOSS POR, SCAT FR TO TR GD INTER-OOL POR, TR SCAT MICROVUG POR, ABDT V/ SMLL CUTTINGS W/ STN, V/ GD FLSH CUT TO GD SLO STRM MLKY BLU CUT IN 80%, FR OIL ODOR, LT TN LCH ON DISH

LS- OFF WHT CRM- HD V/ BRITT V/ RE-XLN MTRX, V/ OOLMLD TO SLI OOL IP W/ SMLL TO MD OOL, HVY TR WHT CHRT , V/ DLL YEL MIN FLO, GD TO EXCEL OOLMLD POR, SCAT VUG POR IP, NO VIS SHOW





LS- OFF WHT CRM, HD BRITT, F-XLN RE-XLN IP, PYR IP, NO FLO, NO VIS POR, NO CUT

3381-3383 LS- OFF WHT CRM LT TN DUE TO STAIN SCAT IN 50% HD VBRITT MD-XLN TO RE-XLN MTRX TO SUCRO SUB CHLKY IP,ABDT IMBD SM OOL, TR SMLL OOL AT POINT MTRX,TR SM CALC XLS IP, DLL YEL GLD FLO THRU OUT SCAT BRIT YEL GLD FLO IN 50%, PR TO FR SCAT VUG POR, TR PR TO FR VIS INT-OOL POR IP V/GD FLUSH CUT TO EXCL SLO STRM MILKY BLUE CUT LT OIL ODOR BRN LCH ON DISH

3400'-3403' LS- OFF WHT CRM TN BRN DUE TO OIL STAIN HD DNSE F/MD-XLN RE-XLN MTRX V/SUB CHLKY IP, BRIT YEL GLD FLO IN 30% DLL YEL GLD FLO IN 40% PR TO FR SCAT MICRO VUG POR SCAT THRU, PR SCAT MICRO P.P. POR IP, GD FLUSH CUT, FR TO GD SLO STRM CUT, LT TN LCH ON DISH, LT OIL ODOR

3425-3428 LS- WHT OFF WHT W/ BLK DOS 80%, HD DNSE TO BRITT IP, MD- F-XLN, RE-XLN MTRX V/FOSS HVY TR FREE MD CALC XLS IP SLI TR SUB CHLKY IP, DLL YEL GLD FLO IN 40% BRIT YEL GLD SPOTTED FLO 20%, PR TO FR VIS INTER FOSS POR SCAT THRU, TR OF PR SCAT VUG POR FR FLUSH CUT TO V/GD SLW STRM RICH MILKY BLUE CUT GD OIL ODOR WET FR OIL ODOR DRY

LS- WHT OFF WHT, V/FRM CHLKY MTRX, DLL YEL FLO, NO VIS POR, NO SHOW

LS- WHT OFF WHT TO TN, HD DNS, FN V/F-XLN FARLY NON DESCRIPT, DLL YEL FLO IN 60%, NO VIS POR, NO SHOW

LS- CRM OFF WHT WHT LT TN, HD DNS, FN XLN TO REXLN MTRX IP, SLI TR IMBD CALC XLS SCAT IP, DLL YEL FLO IP, NO VIS POR, NO VIS SHOW

SH- RED GY BRN IP, FRM BLKY GRNY TXT

LS- OFF WHT TO WHT V/ SUCRO S-CHLKY TO CHLKY MTRX, ABDT FRM WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

SH- RD DK RD- FRM BLKY SMTH TXT TO V/ SFT GMMY

LS- OFF WHT TO WHT - HD DNS V/F-CRYPTO-XLN IMBD WHT CHT, TR FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

3514 TO 3517 SS- DK TN BRN DUE TO OIL STN IN 90%, HD TO V/FRI, F-GRN CLR QURTZ GRNS ANG TO S-ANG, WLL SRT, SIL CMNT W/ DK BRN STN THRU, PR VIS INTER-GRN POR DLL YEL GLD FLO THRU SPTTD BRIT YEL GLD FLO IP, EXCEL INST FLSH CUT TO EXCEL SLO STRM MLKY BLUE CUT THRU, BRN LCH ON DISH

3517-3520 SS- DK TN DK BRN (LV OIL STN IN 70%, HD V/FRI, F-MD QURTZ GRNS ANG S-ANG GRNS, TR S-RND IP,CLR GRNS, FR SRT, HVY TR IMBD LRG ANG LM GRNS IP, SIL CMNT TO SLI CALC CMNT,PR TO FR VIS INTER-GRN POR THRU, HVY TR GD INTERGRN POR IN 20%,DLL YEL GLD FLO THRU, SPTTD YEL GLD FLO SCAT THRU, EXCEL INST FLSH CUT TO EXCEL SLO STRM MLKY BLUE CUT THRU, BRN LCH ON DISH

ARBUCKLE 3548' -1577'

DOL- OFF WHT WHT LT GRYISH TN, STAIN IN 20%, HD DNS TO BRITT, FN XLN TO CRS SUCRO MTRX THRU, ABDT IMBD SM S/ANG TO ANG DOL GRNS THRU, IMBD PYR SCAT IN 15%, TR SFT WHT CHLK IMBD IP, DLL GLD FLO IN 40%. PR TO FR INTR-XLN POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT THRU, TN STAIN ON DISH

DOL- GRYISH TN TO DK TN OFF WHT IP, STAIN IN 40%, HD DNS TO VBRITT, FN XLN TO CRS SUCRO MTRX THRU, ABDT IMBD SM S/ANG TO RND DOL GRNS THRU, DLL GLD FLO IN 50%. FR TO TR GD INTR-XLN TO TR FR VUG POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM CUT THRU, TN STAIN ON DISH, NO ODOR

DOL- OFF WHT WHT, HD DNS TO BRITT, FN TO MD XLN TO SUCRO MTRX THRU, ABDT IMBD SM S/ANG TO RND DOL GRNS THRU, SLI TR IMBD PYR SCAT IN 5%, DLL YEL FLO IN 20%. PR INTR-XLN TO FR VUG POR, FR FLUSH CUT THRU TO PR STREAM CUT IN 10%, NO ODOR

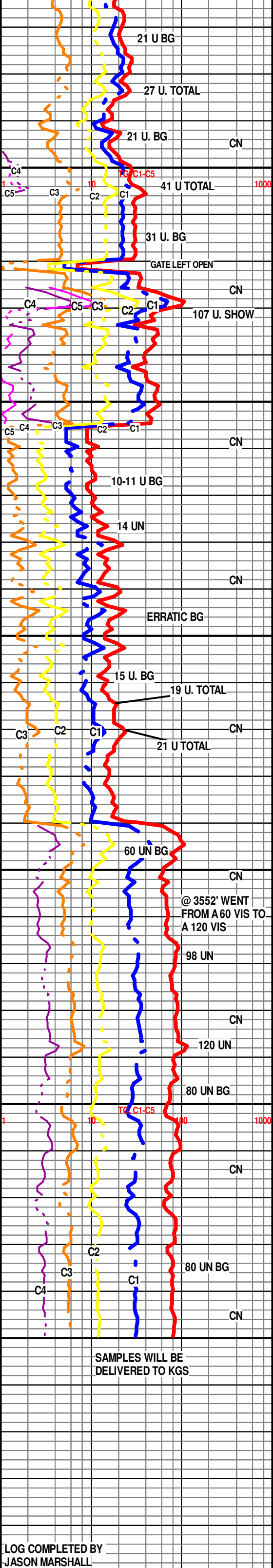
DOL- OFF WHT WHT, HD DNS TO BRITT, FN XLN TO SUCRO MTRX THRU, ABDT IMBD SM S/ANG TO RND DOL GRNS THRU, DLL YEL FLO IN 40%. FR INTR-XLN POR, NO VIS CUT NO VIS SHOW

DOL- OFF WHT WHT, HD DNS TO BRITT, FN XLN TO SUCRO MTRX THRU, ABDT IMBD SM S/ANG TO RND DOL GRNS THRU, DLL YEL FLO IN 40%. FR INTR-XLN POR, NO VIS CUT NO VIS SHOW

TD 3650' @ 4:00 PM 09/27/2011

SAMPLES WILL BE DELIVERED TO KGS

THANK YOU FOR CHOOSING EARTHTECH



LOG COMPLETED BY JASON MARSHALL

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Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 23, 2012

THOMAS G FERTAL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO-1
API 15-165-21936-00-00
MAIER FAMILY TRUST 1-25
SE/4 Sec.25-16S-16W
Rush County, Kansas

Dear THOMAS G FERTAL:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 09/20/2011 and the ACO-1 was received on January 20, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department