



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1119250
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: _____



1119250

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: 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|

| | |
|-----------|------------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Samuel Gary Jr. & Associates, Inc. |
| Well Name | LEIKER-GROSS ET AL 1-32 |
| Doc ID | 1119250 |

All Electric Logs Run

| |
|-----------------|
| |
| INDUCTION |
| MICRO |
| NEUTRON-DENSITY |
| SONIC |
| SPECTRAL GR |

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 20, 2013

CHRISTOPHER MITCHELL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-051-26413-00-00
LEIKER-GROSS ET AL 1-32
NW/4 Sec.32-14S-17W
Ellis 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,
CHRISTOPHER MITCHELL



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: 11/6/2012
 Invoice # 6139

P.O.#:

Due Date: 12/6/2012

Division: Russell

Invoice

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

RECEIVED

NOV 09 2012

**SAMUEL GARY JR.
 & ASSOCIATES, INC.**

Reference:
 LEIKER-GROSS ET AL

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

| | |
|---------------|----------|
| Account | 8200.138 |
| Well/Prospect | |
| Deck | |
| AFE | |
| Approval | RB |
| Description | |

| Services / Items Included: | Quantity | Price | Taxable |
|----------------------------------------------|----------|-------------|---------|
| Labor | | \$ 977.42 | No |
| Common-Class A | 450 | \$ 6,040.39 | Yes |
| 8 5/8" Basket | 3 | \$ 1,014.76 | Yes |
| Bulk Truck Matl-Material Service Charge | 475 | \$ 1,016.90 | No |
| Calcium Chloride | 16 | \$ 816.26 | Yes |
| 8 5/8" Centralizer | 3 | \$ 205.52 | Yes |
| Premium Gel (Bentonite) | 9 | \$ 156.84 | Yes |
| 8 5/8" Top Rubber Plug | 1 | \$ 113.46 | Yes |
| Baffle Plate Aluminum, 8 5/8" | 1 | \$ 96.34 | Yes |
| Pump Truck Mileage-Job to Nearest Camp | 8 | \$ 85.46 | No |
| Bulk Truck Mileage-Job to Nearest Bulk Plant | 8 | \$ 50.01 | No |

Item Quantity Price Taxable

Invoice Terms:

Net 30

SubTotal: \$ 10,573.38
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,586.01)

| | |
|---------------------------------|--------------------|
| SubTotal for Taxable Items: | \$ 7,177.04 |
| SubTotal for Non-Taxable Items: | \$ 1,810.33 |
| Total: | \$ 8,987.37 |
| Tax: | \$ 452.15 |

6.30% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 9,439.52
Applied Payments:
Balance Due: \$ 9,439.52

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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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 6139

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|----|-------|----|--------|-------|-------|----|-------------|--|--------|---------|
| Date | 11.1.12 | Sec. | 32 | Twp. | 14 | Range | 17 | County | Ellis | State | KS | On Location | | Finish | 3:30 PM |
|------|---------|------|----|------|----|-------|----|--------|-------|-------|----|-------------|--|--------|---------|

Lease LETJER GROSS Well No. ETAL Location Taylor 3.5 E into

Contractor V91 #6 Owner To Quality Oilwell Cementing, Inc.
 Type Job Surface 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 12 1/4 T.D. 983 Charge To Sam Gury Jr & Assoc

Csg. 8 5/8 Depth 983 Street _____ State _____

Tbg. Size _____ Depth _____ City _____ State _____

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

Cement Left in Csg. 42.22 Shoe Joint 42.22 Cement Amount Ordered 450 cu m 3% CL 2% bbl 1/4 #10

Meas Line _____ Displace 59 3/4 Bbl Common 450

| EQUIPMENT | | | |
|-----------|----|-----|------------------------------|
| Pumptrk | 5 | No. | Cement Helper <u>Long</u> |
| Bulktrk | | No. | Driver <u>Boyt</u> |
| Bulktrk | 12 | No. | Driver <u>Long</u> |

POZ. Mix _____ Gel. 9 Calcium 16

Hulls _____ Salt _____

Flowseal _____ Kol-Seal _____

Mud CLR 48 _____ CFL-117 or CD110 CAF 38 _____

Sand _____ Handling 475

Mileage _____

FLOAT EQUIPMENT

Guide Shoe 8 5/8

Centralizer 3

Baskets P3

AEU Inserts Rubber Plug

Float Shoe _____

Latch Down _____

Pumptrk Charge Long Surface

Mileage 8

Tax _____ Discount _____

Total Charge _____

X Signature [Signature]



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: 11/10/2012
 Invoice # 6146

P.O.#:
 Due Date: 12/10/2012
 Division: Russell

Invoice

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

Reference: Gross
 LEIKER GROSS ET AL 1-32

Description of Work:
 PLUG JOB

DRLG COMP W/O LOE GG

| | |
|---------------|--------------------|
| Account | 2200.145 |
| Well/Prospect | |
| Deck | |
| AFE | |
| Approval | <i>[Signature]</i> |
| Description | |

| Services / Items Included: | Quantity | Price | Taxable |
|----------------------------------------------|----------|-------------|---------|
| Labor | | \$ 991.39 | Yes |
| Common-Class A | 132 | \$ 1,797.16 | Yes |
| Bulk Truck Matl-Material Service Charge | 228 | \$ 495.09 | Yes |
| POZ Mix-Standard | 88 | \$ 439.50 | Yes |
| Premium Gel (Bentonite) | 8 | \$ 141.40 | Yes |
| Flo Seal | 50 | \$ 108.57 | Yes |
| Pump Truck Mileage-Job to Nearest Camp | 10 | \$ 108.35 | Yes |
| Bulk Truck Mileage-Job to Nearest Bulk Plant | 10 | \$ 63.41 | Yes |
| Dry Hole Plug | 1 | \$ 60.80 | Yes |

Item Quantity Price Taxable

Invoice Terms:

Net 30

SubTotal: \$ 4,205.67
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (630.85)

SubTotal for Taxable Items: \$ 3,574.82
 SubTotal for Non-Taxable Items: \$ -

6.30% Ellis County Sales Tax

Total: \$ 3,574.82
 Tax: \$ 225.21
Amount Due: \$ 3,800.03
Applied Payments:
Balance Due: \$ 3,800.03

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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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 6146

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|----|-------|----|--------|-------|-------|----|-------------|--|--------|---------|
| Date | 11-7-12 | Sec. | 32 | Twp. | 14 | Range | 17 | County | Ellis | State | KS | On Location | | Finish | 2:30 PM |
|------|---------|------|----|------|----|-------|----|--------|-------|-------|----|-------------|--|--------|---------|

Lease **LEIKER CROSS ETAL** Well No. _____ Location **Touton Hwy 40 4SE into**

Contractor **Y91 #6** Owner To Quality Oilwell Cementing, Inc.
Type Job **Rotary Plug** You are hereby requested to rent cementing equipment and furnish
Hole Size **2 7/8** T.D. **3610** Charge To **Sam Gary Jr & Assoc.**
Csg. _____ Depth _____ 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. _____ Shoe Joint _____ Cement Amount Ordered **220 60/40 40/60 1/4 #70**

Meas Line _____ Displace _____

EQUIPMENT

| | | | | | | |
|---------|----|-----|----------|------------------|----------|------------|
| Pumptrk | 9 | No. | Cementer | Craig | Common | 132 |
| | | | Helper | | Poz. Mix | 88 |
| Bulktrk | | No. | Driver | Cody | Gel. | 8 |
| | | | Driver | | Calcium | |
| Bulktrk | 10 | No. | Driver | Lannie M. | Hulls | |
| | | | Driver | | Salt | |

JOB SERVICES & REMARKS

Remarks: _____

Rat Hole **30SK** Flowseal **50th**

Mouse Hole **15SK** Kol-Seal _____

Centralizers _____ Mud CLR 48

Baskets _____ CFL-117 or CD110 CAF 38

D/V or Port Collar _____ Sand

| | | | | |
|------------|-------------|--------------|----------|------------|
| 1st | 3536 | 25SK | Handling | 228 |
| 2nd | 1130 | 40SK | Mileage | |
| 3rd | 500 | 100SK | | |
| 4th | 40 | 10SK | | |

FLOAT EQUIPMENT

Guide Shoe _____

Centralizer _____

Baskets **8 5/8 wooden Plug**

AFU Inserts _____

Float Shoe _____

Latch Down _____

Pumptrk Charge **plug**

Mileage **10**

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

X Signature **Randy Smart**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Christopher Mitchell

Leiker - Gross 1-32

Job Ticket: 48484 **DST#: 1**

Test Start: 2012.11.05 @ 00:57:00

GENERAL INFORMATION:

Formation: **LKC 'C-D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:18:30

Time Test Ended: 08:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 3235.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1940.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018 Inside

Press @ Run Depth: 21.62 psig @ 3239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.05 End Date: 2012.11.05

Last Calib.: 2012.11.05

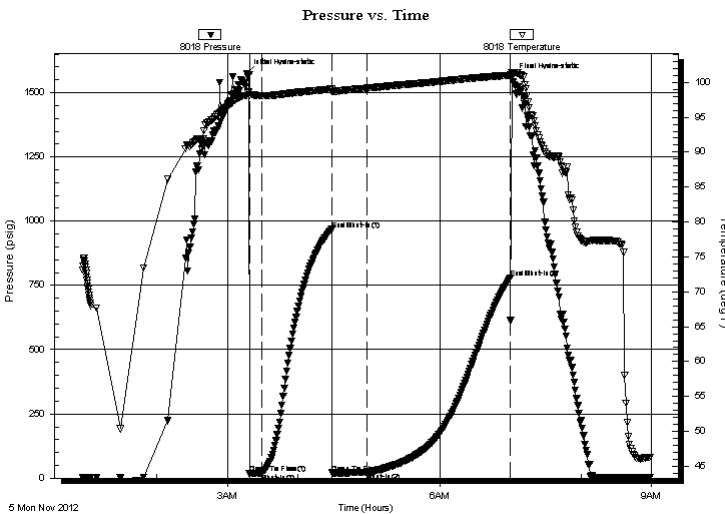
Start Time: 00:57:05 End Time: 08:58:59

Time On Btm: 2012.11.05 @ 03:16:15

Time Off Btm: 2012.11.05 @ 07:01:15

TEST COMMENT: 1/2" Blow .
No return.
No blow .
No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1575.39 | 98.11 | Initial Hydro-static |
| 3 | 17.26 | 98.11 | Open To Flow (1) |
| 13 | 19.64 | 98.09 | Shut-In(1) |
| 72 | 967.91 | 99.03 | End Shut-In(1) |
| 73 | 20.55 | 98.65 | Open To Flow (2) |
| 103 | 21.62 | 99.18 | Shut-In(2) |
| 224 | 779.74 | 101.03 | End Shut-In(2) |
| 225 | 1557.86 | 101.38 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 4.00 | SOCM 2o 98m | 0.06 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Suite 700
Denver, CO 80202

Leiker - Gross 1-32

Job Ticket: 48484

DST#: 1

ATTN: Christopher Mitchell

Test Start: 2012.11.05 @ 00:57:00

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: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 4.00 | SOCM 2o 98m | 0.056 |

Total Length: 4.00 ft Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

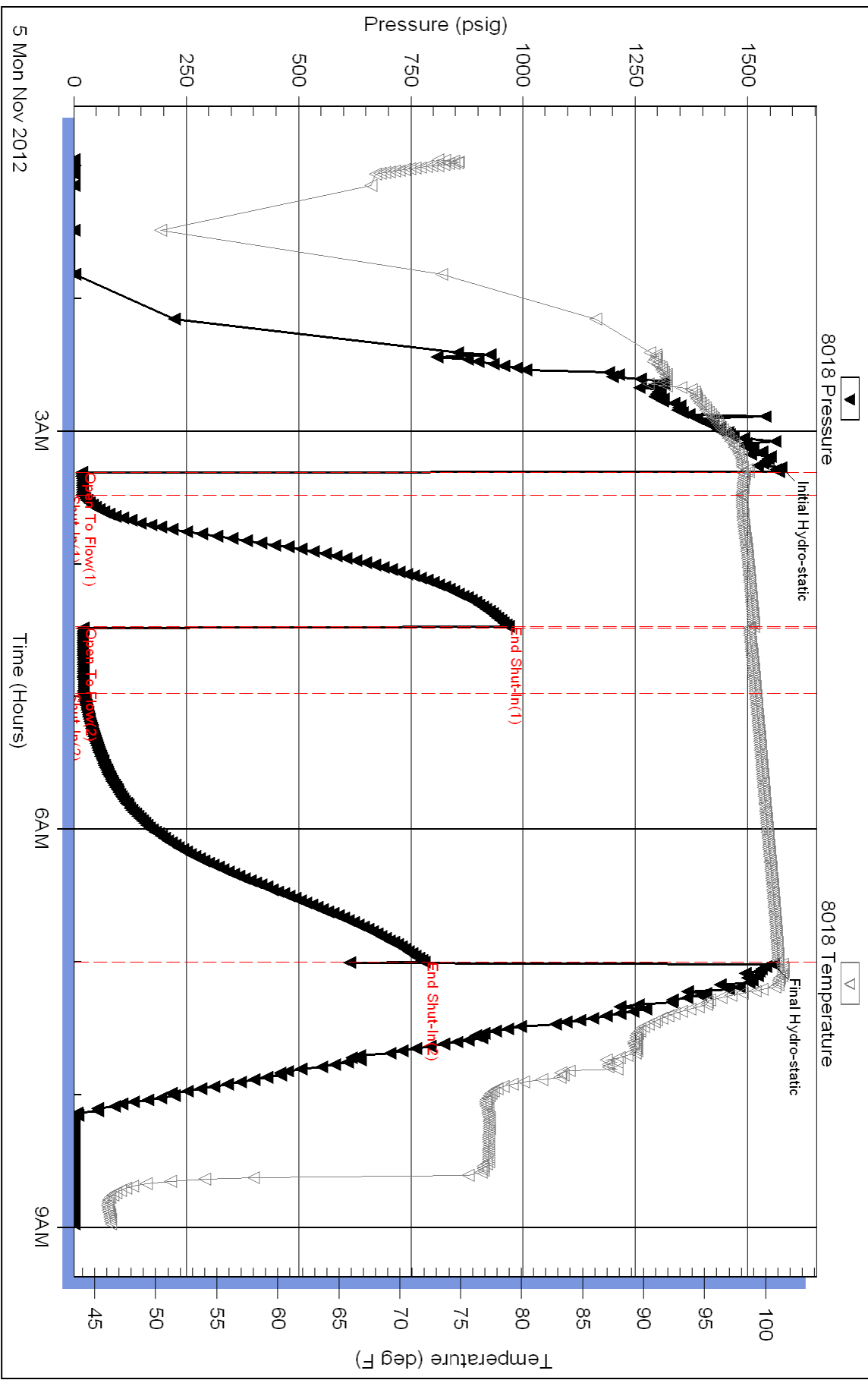
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 20 ml oil 1980 ml mud 15 psi total fluid 2000 ml.

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Ste. 700
Denver, CO 80202
ATTN: Christopher Mitchell

Leiker - Gross 1-32

Job Ticket: 48485 **DST#: 2**

Test Start: 2012.11.06 @ 18:45:00

GENERAL INFORMATION:

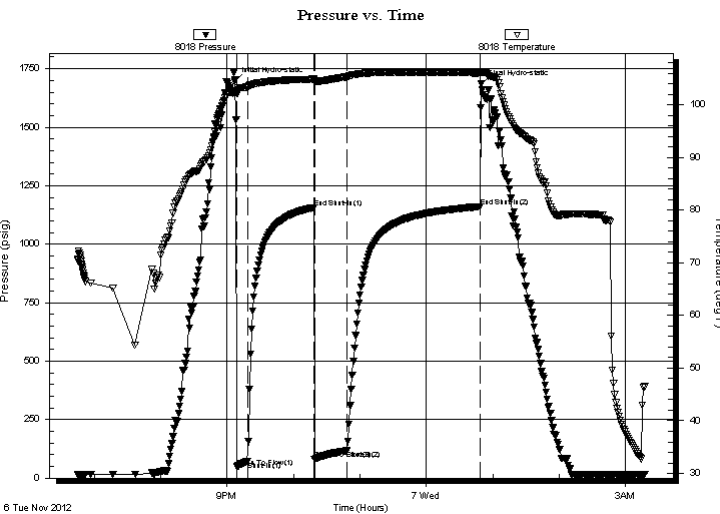
Formation: **LKC 'I-J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:08:45
 Time Test Ended: 03:18:00
 Interval: **3360.00 ft (KB) To 3400.00 ft (KB) (TVD)**
 Total Depth: 3610.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 1940.00 ft (KB)
 1930.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8018

Outside

Press @ Run Depth: 117.50 psig @ 3364.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.06 End Date: 2012.11.07 Last Calib.: 2012.11.07
 Start Time: 18:45:05 End Time: 03:18:00 Time On Btm: 2012.11.06 @ 21:06:45
 Time Off Btm: 2012.11.07 @ 00:49:45

TEST COMMENT: 10" Blow.
 Weak surface return died @ 10 min.
 B.O.B. @ 12 1/2 min.
 5" Return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1694.66 | 102.47 | Initial Hydro-static |
| 2 | 47.84 | 102.16 | Open To Flow (1) |
| 12 | 72.32 | 103.43 | Shut-In(1) |
| 72 | 1156.85 | 104.90 | End Shut-In(1) |
| 73 | 80.48 | 104.54 | Open To Flow (2) |
| 102 | 117.50 | 105.36 | Shut-In(2) |
| 222 | 1160.68 | 106.08 | End Shut-In(2) |
| 223 | 1684.17 | 106.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------------|--------------|
| 0.00 | RW: .147 @ 29 Degrees F = 150000 | PP0.00 |
| 125.00 | MW 50m 50w | 1.75 |
| 55.00 | OCM 17o 83m | 0.77 |
| 0.00 | 190' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (m ³ /d) |
|----------------|-----------------|------------------------------|
| | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Ste. 700
Denver, CO 80202
ATTN: Christopher Mitchell

Leiker - Gross 1-32

Job Ticket: 48485 **DST#: 2**

Test Start: 2012.11.06 @ 18:45:00

GENERAL INFORMATION:

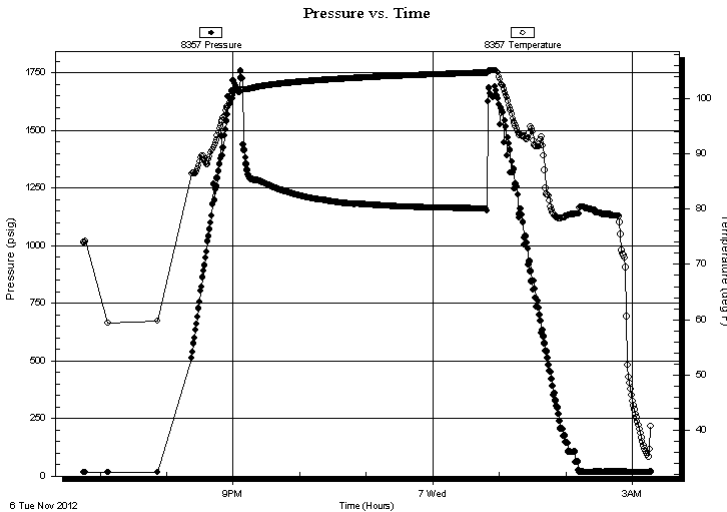
| | | | | | |
|-------------------|-------------------------------------------------|----------------------|--|-----------------------|-------------------------------|
| Formation: | LKC 'I-J' | | | Test Type: | Conventional Straddle (Reset) |
| Deviated: | No Whipstock: | ft (KB) | | Tester: | Chuck Smith |
| Time Tool Opened: | 21:08:45 | | | Unit No: | 62 |
| Time Test Ended: | 03:18:00 | | | Reference Elevations: | 1940.00 ft (KB) |
| Interval: | 3360.00 ft (KB) To 3400.00 ft (KB) (TVD) | | | | 1930.00 ft (CF) |
| Total Depth: | 3610.00 ft (KB) (TVD) | | | KB to GR/CF: | 10.00 ft |
| Hole Diameter: | 7.88 inches | Hole Condition: Good | | | |

Serial #: 8357 Below (Straddle)

| | | | |
|--------------------|------------------------|---------------|--------------|
| Press @ Run Depth: | psig @ 3417.00 ft (KB) | Capacity: | 8000.00 psig |
| Start Date: | 2012.11.06 | End Date: | 2012.11.07 |
| Start Time: | 18:45:11 | End Time: | 03:16:33 |
| | | Time On Btm: | |
| | | Time Off Btm: | |

TEST COMMENT: 10" Blow.
Weak surface return died @ 10 min.
B.O.B. @ 12 1/2 min.
5" Return.

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------------|--------------|
| 0.00 | RW: .147 @ 29 Degrees F = 150000 | PP0.00 |
| 125.00 | MW 50m 50w | 1.75 |
| 55.00 | OCM 17o 83m | 0.77 |
| 0.00 | 190' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (m³/d) |
|----------------|-----------------|-----------------|
| | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Ste. 700
Denver, CO 80202
ATTN: Christopher Mitchell

Leiker - Gross 1-32

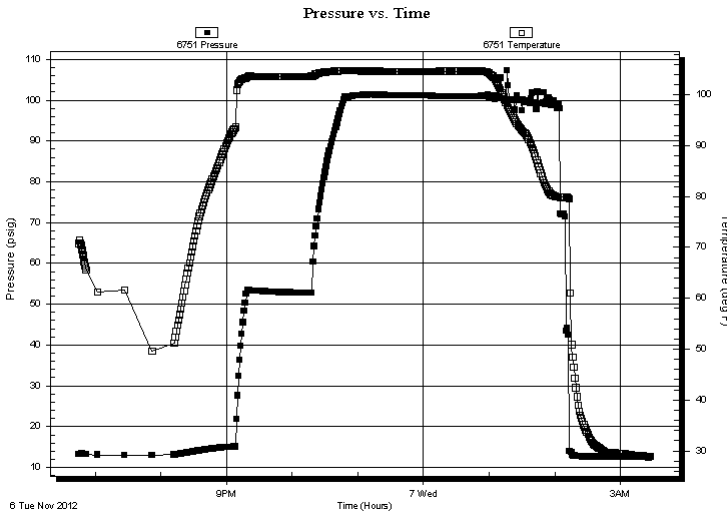
Job Ticket: 48485 **DST#: 2**
Test Start: 2012.11.06 @ 18:45:00

GENERAL INFORMATION:

| | | | |
|-----------------------------------------------------------|----------------------|------------------------------------------|--|
| Formation: LKC 'I-J' | | | |
| Deviated: No Whipstock: | ft (KB) | Test Type: Conventional Straddle (Reset) | |
| Time Tool Opened: 21:08:45 | | Tester: Chuck Smith | |
| Time Test Ended: 03:18:00 | | Unit No: 62 | |
| Interval: 3360.00 ft (KB) To 3400.00 ft (KB) (TVD) | | Reference Elevations: 1940.00 ft (KB) | |
| Total Depth: 3610.00 ft (KB) (TVD) | | 1930.00 ft (CF) | |
| Hole Diameter: 7.88 inches | Hole Condition: Good | KB to GR/CF: 10.00 ft | |

| | | | |
|------------------------------------------------------------|----------------------|-------------------------|--|
| Serial #: 6751 | Fluid | | |
| Press @ Run Depth: psig @ 3326.50 ft (KB) | | Capacity: 8000.00 psig | |
| Start Date: 2012.11.06 | End Date: 2012.11.07 | Last Calib.: 2012.11.07 | |
| Start Time: 18:45:05 | End Time: 03:27:48 | Time On Btm: | |
| | | Time Off Btm: | |

TEST COMMENT: 10" Blow.
Weak surface return died @ 10 min.
B.O.B. @ 12 1/2 min.
5" Return.



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------------|--------------|
| 0.00 | RW: .147 @ 29 Degrees F = 150000 | PP0.00 |
| 125.00 | MW 50m 50w | 1.75 |
| 55.00 | OCM 17o 83m | 0.77 |
| 0.00 | 190' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (m ³ /d) |
|--|----------------|-----------------|------------------------------|
| | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Ste. 700
Denver, CO 80202

Leiker - Gross 1-32

Job Ticket: 48485

DST#: 2

ATTN: Christopher Mitchell

Test Start: 2012.11.06 @ 18:45:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 64.00 sec/qt
Water Loss: 8.37 in³
Resistivity: ohm.m
Salinity: 9000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 35 deg API
Water Salinity: 150000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------------------|---------------|
| 0.00 | RW: .147 @ 29 Degrees F = 150000 PPM | 0.000 |
| 125.00 | MW 50m 50w | 1.753 |
| 55.00 | OCM 17o 83m | 0.772 |
| 0.00 | 190' GIP | 0.000 |

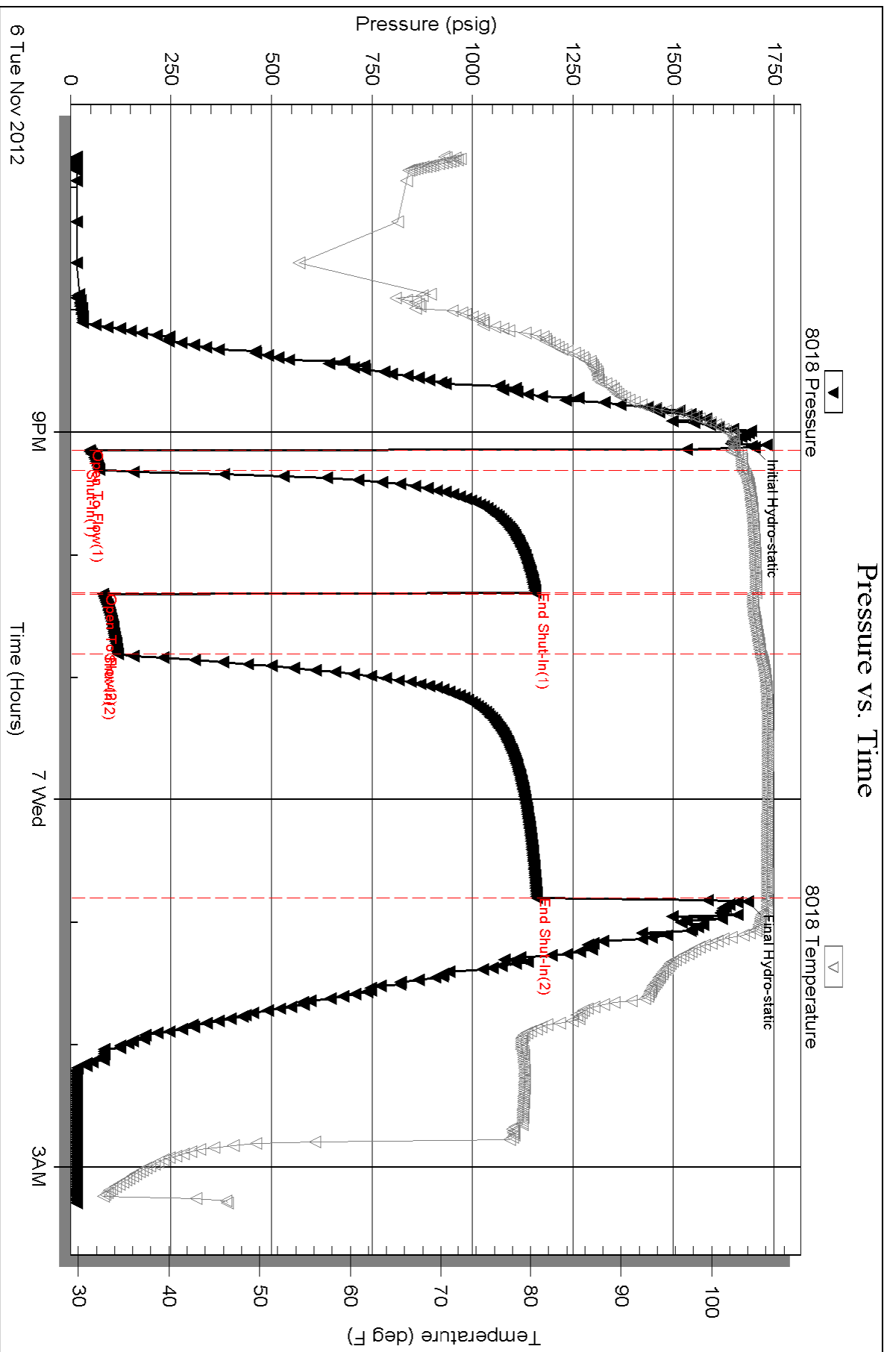
Total Length: 180.00 ft Total Volume: 2.525 bbl

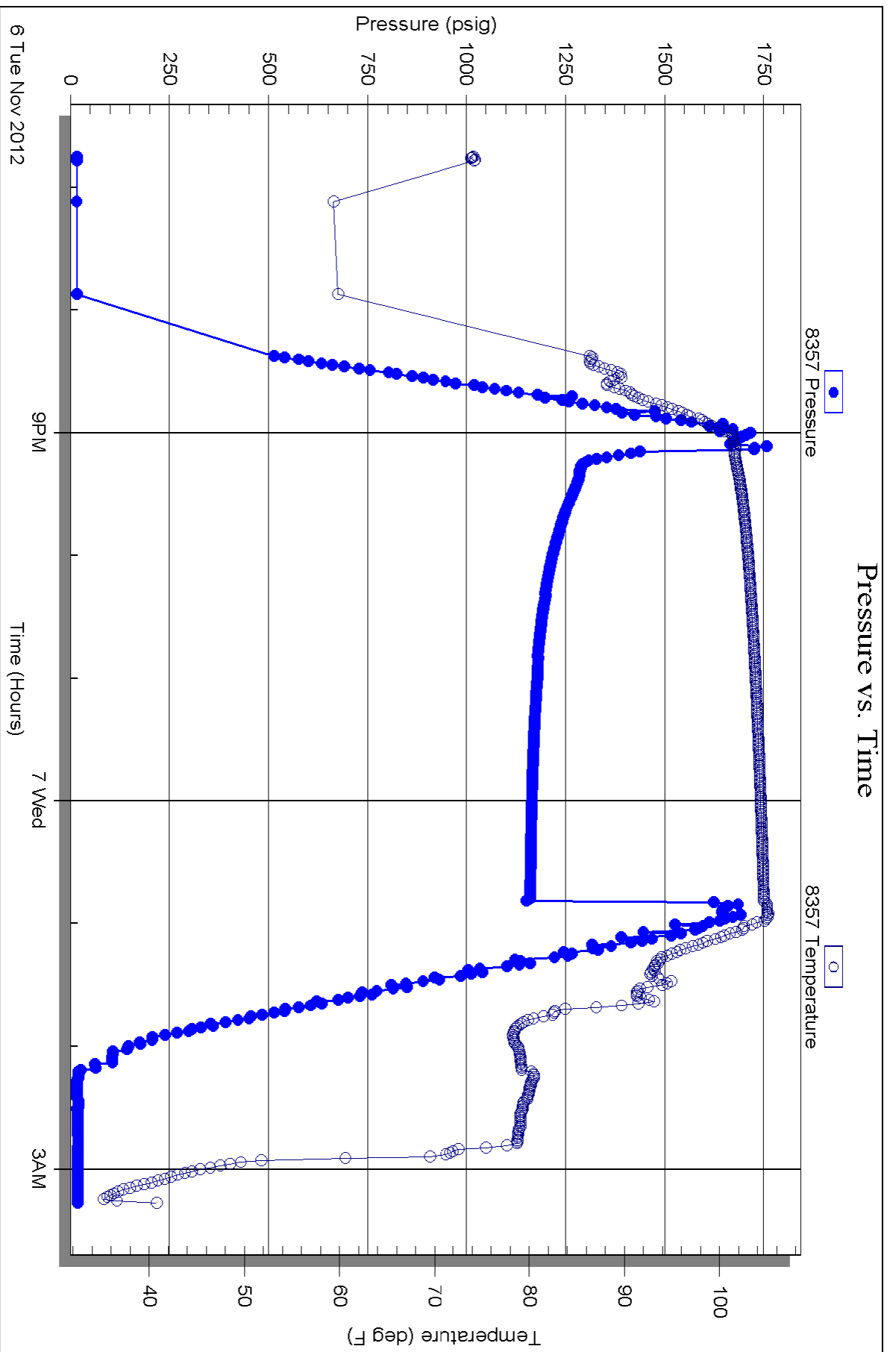
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 32 @ 30 Degrees F = 35.

Sampler 300 ML oil, 500 ML water, 700 ML mud, 185 psi.





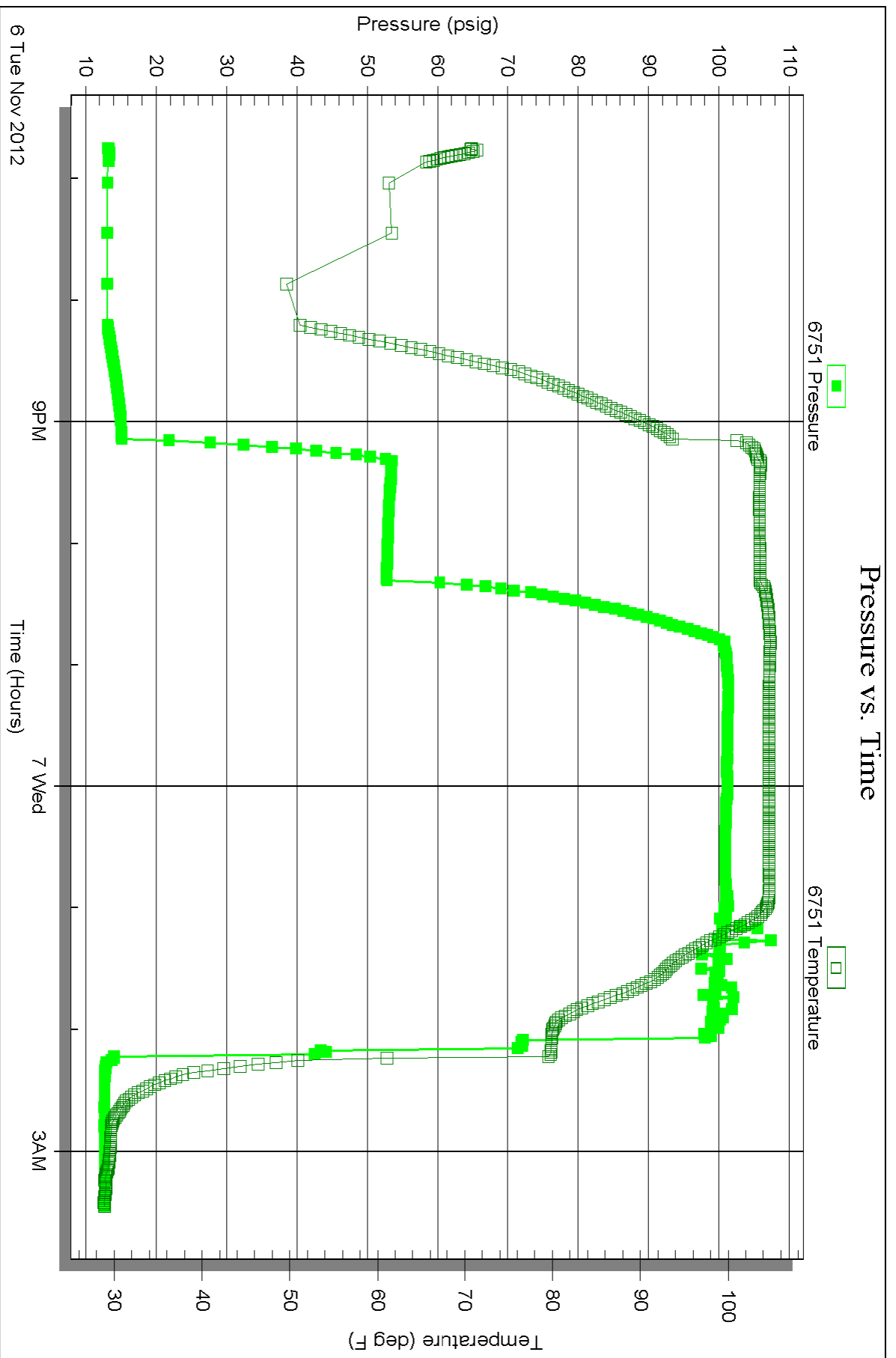
Serial #: 6751

Fluid

Samuel Gary Jr. & Associates, Inc.

Leiker - Gross 1-32

DST Test Number: 2





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

Well Name: Leiker-Gross et al 1-32
 Location: Sec. 32-14S-17W Eillis County, Kansas
 License Number: 15-051-26413-0000
 Spud Date: Nov. 1, 2012
 Surface Coordinates: 115 FNL/ 425 FWL
 Region: WILDCAT
 Drilling Completed: Nov. 6, 2012

Bottom Hole Coordinates:
 Ground Elevation (ft): 1930' K.B. Elevation (ft): 1940'
 Logged Interval (ft): 2900' To: 3610' Total Depth (ft): 3610'
 Formation:
 Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Colo. 80202
 Geo: Chris Mitchell

GEOLOGIST

Name: Aaron Suelter
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 620-600-0777

DST's Report

DST#1 3235'-3280' 10 60 30 120
 IF- 1/2" BLOW/ ISI- NO RETURN/ FF- NO BLOW/ FSI- NO RETURN
 IH- 1575, FH- 1558'/ IF- 17 TO 21/ FF- 20 TO 22/ ISI- 968, FSI 780
 RECOVERY- 4' SOCM 2% OIL, 98% MUD
 SAMPLER- 20 ML OIL, 1980 ML MUD 200 ML TOTAL

ROCK TYPES

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

ACCESSORIES

| | | | |
|----------------|---------------|-----------------|----------------|
| MINERAL | Salt | Fossil | Clystn |
| Anhy | Sandy | Gastro | Dol |
| Arggrn | Silt | Oolite | Grysh |
| Arg | Sil | Ostra | Gryslt |
| Bent | Sulphur | Pelec | Lms |
| Bit | Tuff | Pellet | Sandylms |
| Brecfrag | Chlorite | Pisolite | Sh |
| Calc | Dol | Plant | Sltstn |
| Carb | Sand | Strom | |
| Chtdk | Sity | Fuss | |
| Chtlt | | Oomold | |
| Dol | FOSSIL | STRINGER | TEXTURE |
| Feldspar | Algae | Anhy | Boundst |
| Ferrpel | Amph | Arg | Chalky |
| Ferr | Belm | Bent | Cryxln |
| Glau | Bioclst | Coal | Earthy |
| Gyp | Brach | Dol | Finexln |
| Hvymin | Bryozoa | Gyp | Grainst |
| Kaol | Cephal | Ls | Lithogr |
| Marl | Coral | Mrst | Microxln |
| Minxl | Crin | Sltstrg | Mudst |
| Nodule | Echin | Ssstrg | Packst |
| Phos | Fish | Carbsh | Wackest |
| Pyr | Foram | | |

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- B Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- S Subrnd
- A Subang

- A Angular

OIL SHOWS

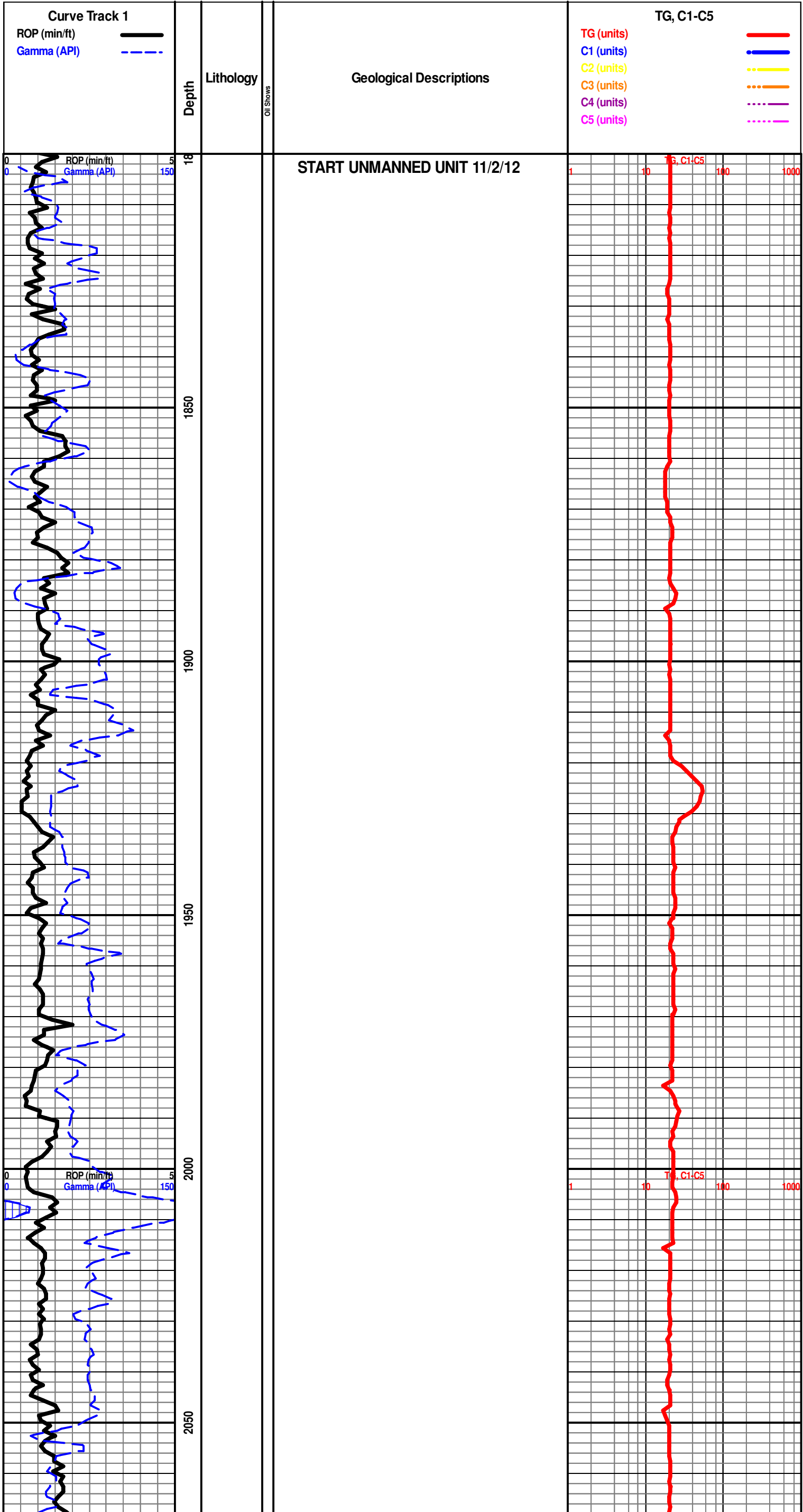
- E Even
- S Spotted
- Q Ques
- D Dead
- G Gas show

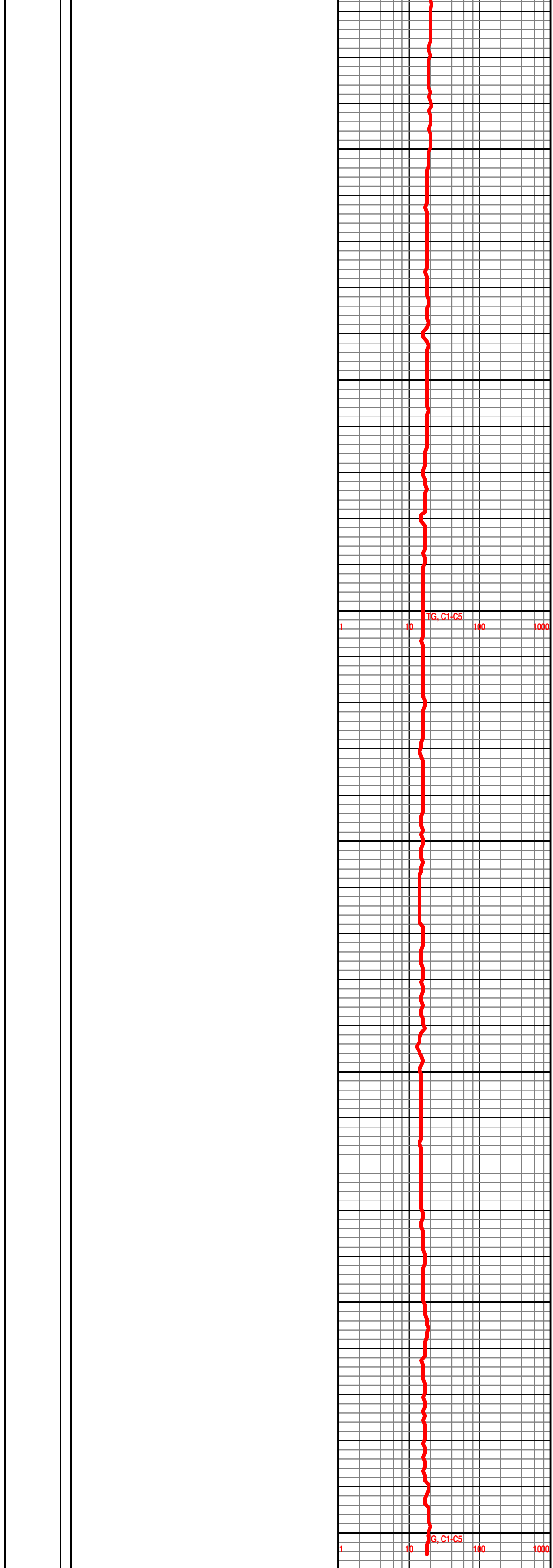
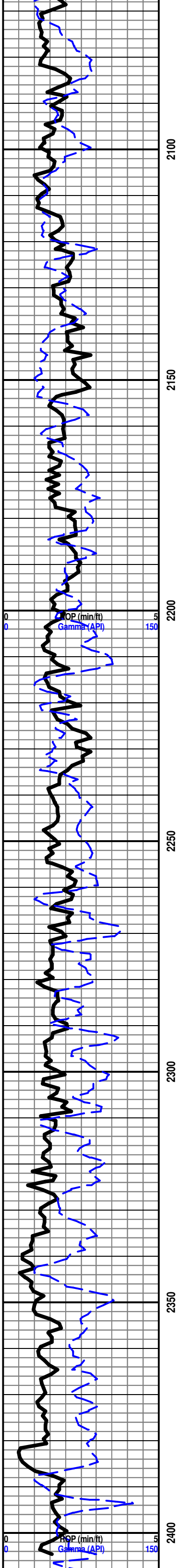
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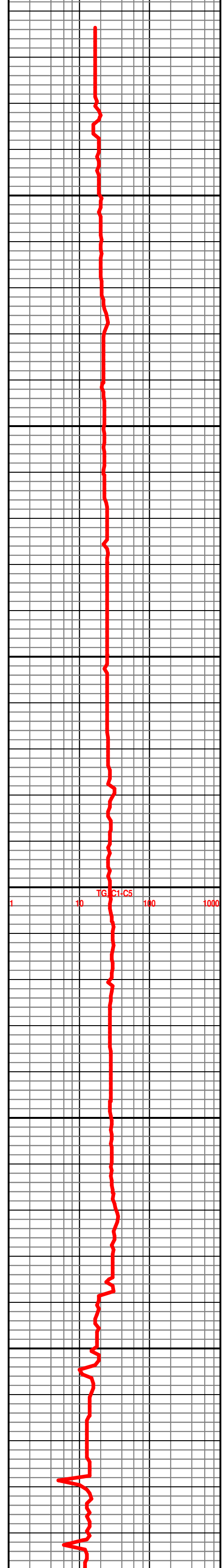
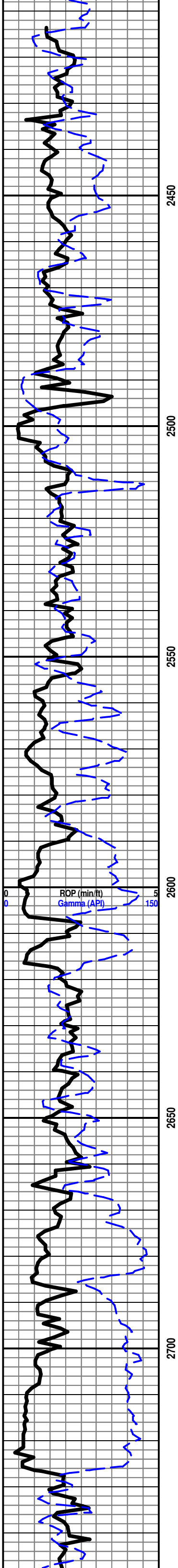
- C Core
- Dst Dst
- Dst Dst

EVENTS

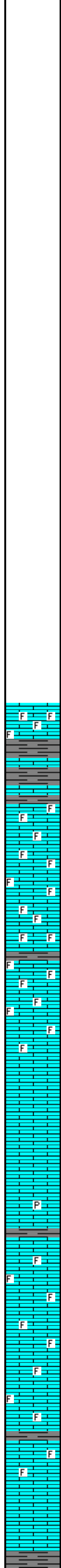
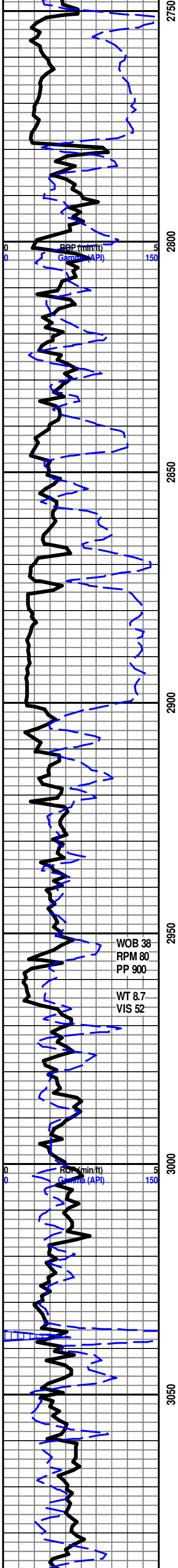
- Rft Rft
- S Sidewall







BRS 2727' -787'



**START 24 HOUR MANNED UNIT 11/3/12
HOWARD 2901' -961'**

LS- LT TN TO TN, HD DNS TO V/BRIT, F TO MD XLN RE-XLN MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO, ABDT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- GY LT TN TO TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

TOPEKA 2956' -1016'

LS- LT TN TO TN, HD DNS TO V/BRIT IP, F XLN SUCRO MTRX, S-CHLKY, ABDT IMBD FOSS FRG THRU, TR IMBD CALC XLS IP, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- LT GY TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT GY TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, TR SCAT IMBD FOSS FRG IP, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, TR IMBD PYR IP, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, SCAT IMBD FOSS FRG THRU, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, FRM DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, SCAT IMBD FOSS FRG THRU, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

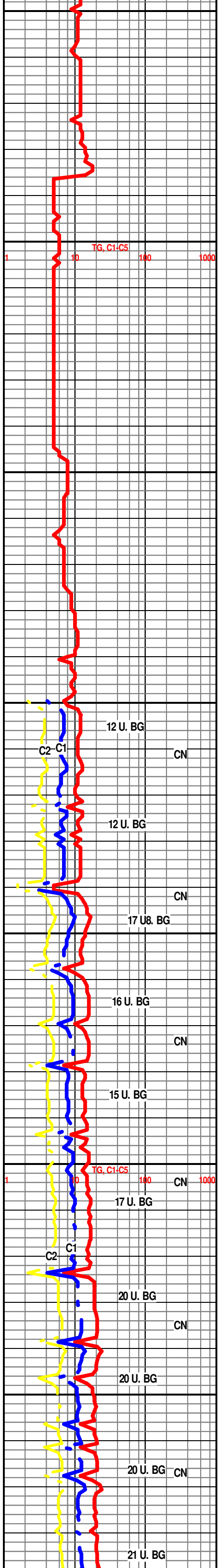
LS- LT TN TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, SCAT IMBD FOSS FRG THRU, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LE COMPTON 3060' -1120'

LS- OFF WHT TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, RE-XLN IP, TR SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG THRU, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH - GRN LT GY TO GY, FRM BLKY, SMTH TXT



12 U. BG CN

12 U. BG

17 U. BG CN

16 U. BG

CN

15 U. BG

17 U. BG CN

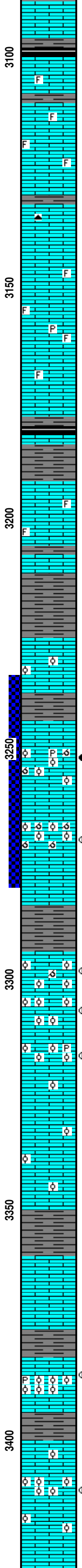
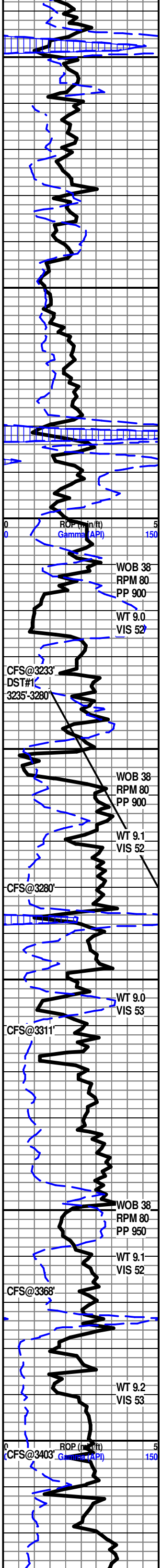
20 U. BG

CN

20 U. BG

20 U. BG CN

21 U. BG



LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BLCK, SFT, CARB

LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, SLI TR IMBD FOSS FRG IP, SCAT IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO, S-CHLKY IP, TR GY CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT GY TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, RE-XLN IP, TR IMBD FOSS FRG IP, TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3179' -1239'

SH- BLCKY, SFT, CARB

SH- BRWN LT GY TO GY, FRM BLKY, SMTH TXT

LS- CRM TO LT TN, HD DNS TO BRIT, V/F TO F XLN CHLKY MTRX, S-SUCRO, RE-XLN IP, SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

DOUGLAS 3212' -1272'

SH- BRWN TO LT GY, SFT GMMY, SMTH TXT

LANSING 3225' -1285'

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-SUCRO, S-CHLKY IP, IMBD OOL IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- RED GRN GY TO DK GY, FRM BLKY, SMTH TXT

LANSING "C" 3243' -1303'

3251'-3254' LS- LT TN TO TN W/ TN OIL STN IN 60%, HD DNS TO BRIT, F XLN SUCRO MTRX, ABTD IMBD OOL THRU, OOLMLD THRU, SLI TR WHT CHLK IN TRAY, TR PYR IN TRAY, DUL YEL GLD FLO IN 65%, BRT YEL GLD FLO IN 5%, FR TO GD OOLMLD POR IN 10%, FR TO GD VUG POR IN 3%, PR TO FR PP POR IN 5%, FR TO GD FLSH CUT IN 70%, FR TO GD SLW STRM IN 70%, TN LCH ON DISH, FR OIL ODOR

3269'-3271' LS- CRM TO TN LT TN OIL STN IN 30%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABTD IMBD OOL THRU, ABTD OOLMLD THRU, DUL YEL GLD FLO IN 30%, FR TO GD OOLMLD POR IN 15%, FR VUG POR IN 3%, FR FLSH CUT IN 30%, FR TO GD SLW STRM IN 30%, LT TN LCH ON DISH, FNT OIL ODOR

SH- GRN BRWN TO GY, FRM BLKY, SLTY TXT

LANSING "F" 3294' -1354'

3298'-3300' LS- CRM TO TN W/ TN OIL STN IN 25%, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, ABTD IMBD OOL THRU, TR SFT WHT CHLK IN TRAY, TR OOLMLD IP, DUL YEL GLD FLO IN 15%, V/PR TO PR INTR OOL POR IN 3%, PR TO FR OOLMLD POR IN 2%, WK FLSH CUT IN 20%, PR TO FR SLW STRM IN 20%, LT TN LCH ON DISH

3304'-3307' LS- TN TO DK TN W/ TN OIL STN IN 50%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABTD IMBD OOL THRU, TR SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 30%, PR INTR OOL POR IN 5%, FR INTR OOL POR IN 3%, WK FLSH CUT IN 50%, PR SLW STRM IN 60%, TN LCH ON DISH

3316'-3318' LS- LT TN TO TN W/ DK TN OIL STN IN 50%, LOS IN 5%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, IMBD OOL IP, TR PYR IN TRAY, DUL YEL GLD FLO IN 40%, PR TO FR VUG POR IN 4%, GD VUG POR IN 3%, GD FLSH CUT IN 50%, GD SLW STRM IN 50%, TN LCH ON DISH, FNT OIL ODOR

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY, SCAT IMBD OOL IP, IMBD CALC XLS IP, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

LANSING "H" 3359' -1419'

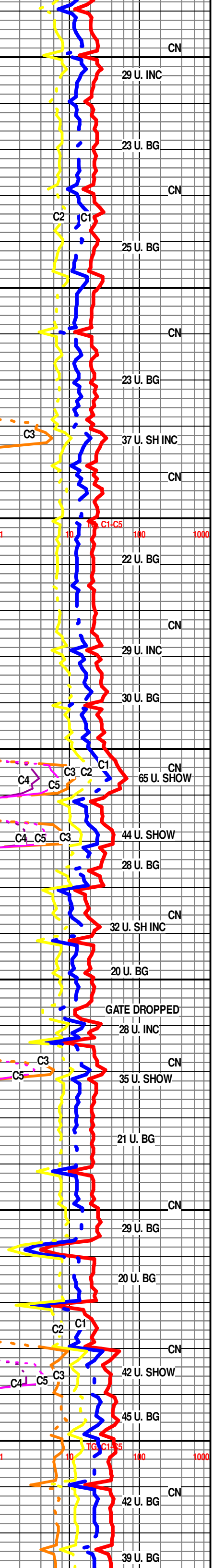
LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, S-CHLKY IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

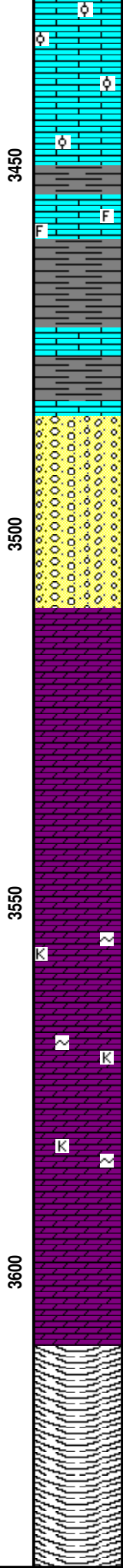
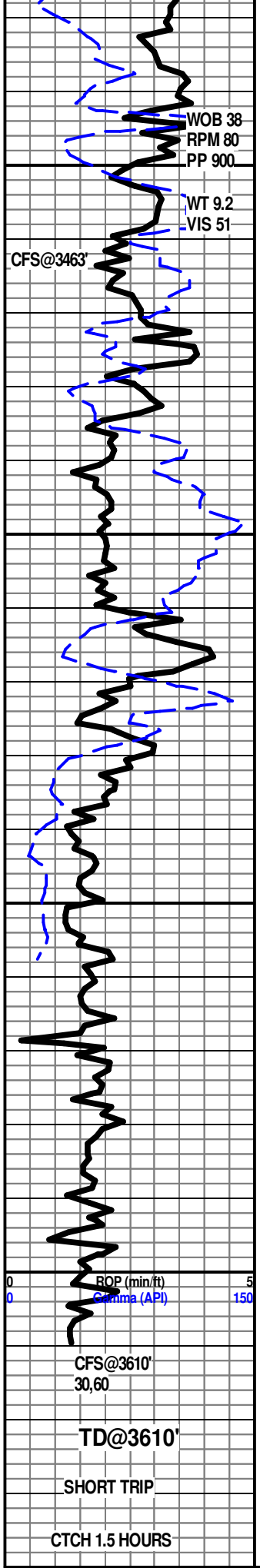
SH- LT GY TO GY, FRM BLKY, SMTH TXT

3385'-3390' LS- CRM TO LT TN W/ LT TN OIL STN IN 60%, LOS IN 1%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABTD IMBD OOL THRU, TR PYR IN TRAY, TR SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 60%, BRT YEL GLD FLO IN 5%, PR TO FR INTR OOL POR IN 5%, FR VUG POR IN 2%, WK FLSH CUT IN 70%, PR TO FR FLSH CUT IN 60%, LT TN LCH ON DISH, SLFR ODOR

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO IP, SCAT IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW, SLFR ODOR

3410'-3412' LS- CRM TO LT TN W/ LT TN OIL STN IN 60%, HD DNS, F XLN SUCRO MTRX, ABTD IMBD OOL THRU, SLI TR OOLMLD, TR SFT WHT CHLK IN TRAY, BRT YEL GLD FLO IN 70%, FR TO GD INTR OOL POR IN 6%, PR TO FR OOLMLD POR IN 2%, WK FLSH CUT IN 50%, PR TO FR SLW STRM IN 60%, LT TN LCH ON DISH, SLFR ODOR





LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-SUCRO, S-CHLKY IP, SCAT IMBD OOL THRU, TR IMBD CALC XLS IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW, SLFR ODOR

LS- GRN RED LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN MTRX, RE-XLN IP, TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW, SLFR ODOR

BKC 3466' -1526'

SH- GRN RED BRWN TO GY, SFT GMMY

CONG- LS- CRM TO LT TN, HD DNS, V/F TO F XLN MTRX, SCAT IMBD OOL IP, SH- GRN RED BRWN TO GY, FRM BLKY TO SFT GMMY, SMTH TXT, CHRT- TN YEL TO ORNG

ARBUCKLE 3510' -1570'

3512'-3514' DOLO- CRM TO TN W/ TN OIL STN IN 40%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM S-ANG TO ANG DOLO GRNS THRU, DUL YEL GLD FLO IN 50%, PR INTR GRN POR IN 10%, WK FLSH CUT IN 20%, PR TO FR SLW STRM IN 35%, LT TN LCH ON DISH

3524'-3526' DOLO- LT TN TO TN W/ TN OIL STN IN 30%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO CRS S-ANG TO ANG DOLO GRNS THRU, DUL YEL GLD FLO IN 30%, PR TO FR INTR GRN POR IN 15%, WK FLSH CUT IN 30%, PR SLW STRM IN 20%, LT TN LCH ON DISH

3532'-3533' DOLO- OFF WHT TO TN W/ TN OIL STN IN 50%, HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD SM TO CRS S-ANG TO ANG DOLO GRNS THRU, DUL YEL GLD FLO IN 40%, PR TO FR INTR GRN POR IN 10%, WK FLSH CUT IN 40%, PR TO FR SLW STRM IN 40%, LT TN LCH ON DISH

3546'-3549' DOLO- OFF WHT TO TN W/ TN OIL STN IN 25%, HD DNS TO V/BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, DUL YEL GLD FLO IN 15%, PR TO FR INTR GRN POR IN 10%, NO FLSH CUT, V/PR TO PR SLW STRM IN 10%, NO LCH ON DISH

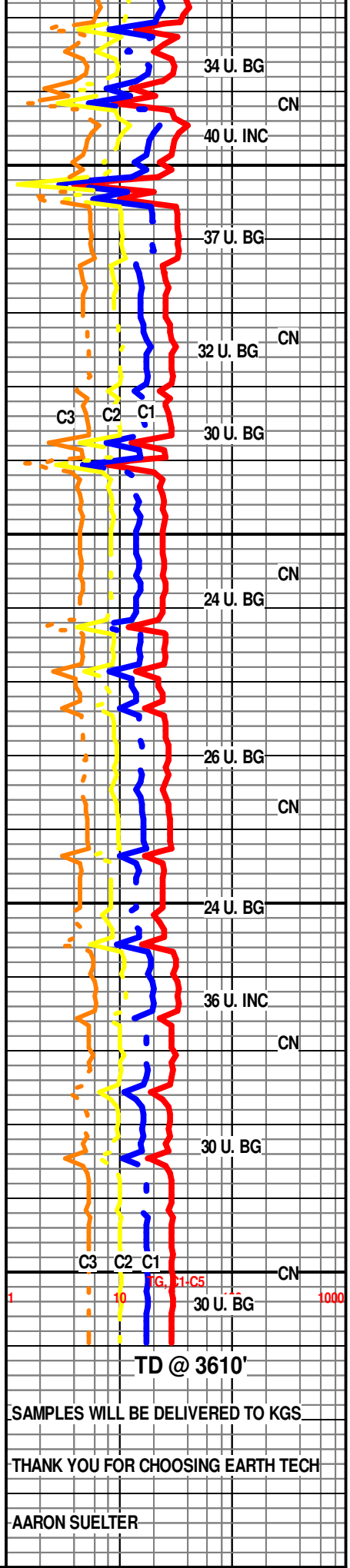
DOLO- OFF WHT TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD SM TO CRS S-ANG TO ANG DOLO GRNS THRU, IMBD KAOL OR GLAUC IP, NO VIS FLO, FR TO GD INTR GRN POR IN 15%, NO VIS SHOW

R.T.D. @ 8:45 AM 11/6/12

DROP SURVEY

TOOH

WEATHERFORD/LIBERAL



TD @ 3610'

SAMPLES WILL BE DELIVERED TO KGS

THANK YOU FOR CHOOSING EARTH TECH

AARON SUELTER