KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1072987

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

# WELL COMPLETION FORM
## WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31725
Name: Shelby Resources LLC
Address 1: 2717 Canal Blvd.
Address 2: Suite C
City: HAYS State: KS Zip: 67601 + __ __ __ __
Contact Person: Chris gottschalk
Phone: ( 785 ) 623-1524
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Charlie Sturdavant
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 #:

| 12/07/2011 | 12/15/2011 | 12/15/2011 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-145-21659-00-00
Spot Description:
NW - SW - SW - NE Sec. 16 Twp. 21 S. R. 16 ☐ East ☑ West
2035 Feet from ☑ North / ☐ South Line of Section
2470 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
County: Pawnee
Lease Name: RGW Well #: 1-16
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1991 Kelly Bushing: 2002
Total Depth: 3900 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1032 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: 43000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Shelby Resources L.L.C.
Lease Name: Eakin #2-7 License #: 31725
Quarter SE Sec. 7 Twp. 22 S. R. 16 ☐ East ☑ West
County: Pawnee Permit #: D-30939

**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: Deanna Garrisor Date: 04/16/2012

Side Two

1072987

Operator Name: Shelby Resources LLC Lease Name: RGW Well #: 1-16

Sec. 16 Twp. 21 S. R. 16 ☐ East ☑ West County: Pawnee

**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 ☑ Yes ☐ No
*(Attach Additional Sheets)*

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
*(If no, Submit Copy)*

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☑ Sample

| Name | Top | Datum |
|---|---|---|
| Topeka | 3112 | -1110 |
| Heebner | 3377 | -1375 |
| Lansing | 3472 | -1470 |
| Base KC | 3730 | -1728 |
| Arbuckle | 3830 | -1828 |

CASING RECORD ☑ New ☐ 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 |
|---|---|---|---|---|---|---|---|
| Surface | 12.25 | 8.625 | 23 | 1032 | AA-2 | 500 | 2% gel, 3% cc |
| | | | | | | | |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

| Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|
| - | | | |
| - | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)* | 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:
☐ Vented ☐ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

**Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Shelby Resources LLC |
| Well Name | RGW 1-16 |
| Doc ID | 1072987 |

All Electric Logs Run

| |
|---|
| Dual Induction |
| Compensated Neutron |
| Micro |
| Sonic |

# DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Boulevard
Suite C
Hays, Kansas 67601

ATTN: Charlie Sturdavant

**16/21S/16W/Pawnee**

**RGW Unit #1-16**

Start Date: 2011.12.13 @ 22:50:00
End Date: 2011.12.14 @ 07:56:30
Job Ticket #: 18811 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.12.14 @ 06:21:45

# DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal Boulevard
Suite C
Hays, Kansas 67601
ATTN: Charlie Sturdavant

**RGW Unit #1-16**

**16/21S/16W/Pawnee**

Job Ticket: 18811 **DST#: 1**

Test Start: 2011.12.13 @ 22:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:02:30
Time Test Ended: 07:56:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/50

**Interval: 3750.00 ft (KB) To 3840.00 ft (KB) (TVD)**
Total Depth: 3840.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

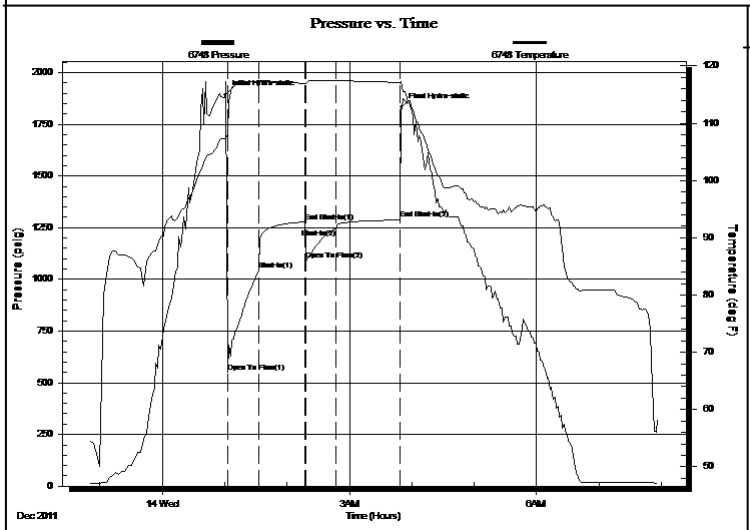
Reference Elevations: 2002.00 ft (KB)
1991.00 ft (CF)
KB to GR/CF: 11.00 ft

**Serial #: 6748** **Outside**

Press@RunDepth: 1246.50 psig @ 3836.92 ft (KB)
Start Date: 2011.12.13 End Date: 2011.12.14
Start Time: 22:50:00 End Time: 07:56:30

Capacity: 5000.00 psig
Last Calib.: 2011.12.14
Time On Btm: 2011.12.14 @ 01:00:30
Time Off Btm: 2011.12.14 @ 03:50:00

TEST COMMENT:
1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
1ST Shut In 45 Minutes/No blow back
2ND Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
2ND Shut In 60 Minutes/No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1892.83 | 107.29 | Initial Hydro-static |
| 3 | 550.45 | 107.94 | Open To Flow (1) |
| 33 | 1047.18 | 117.37 | Shut-In(1) |
| 78 | 1278.31 | 116.94 | End Shut-In(1) |
| 78 | 1093.79 | 116.92 | Open To Flow (2) |
| 107 | 1246.50 | 117.44 | Shut-In(2) |
| 169 | 1294.18 | 117.14 | End Shut-In(2) |
| 170 | 1831.04 | 117.29 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 2220.00 | Slightly gas cut Muddy Water | 30.43 |
| 0.00 | Gas 1% Mud 15% Water 84% | 0.00 |
| 120.00 | Mud 100% | 1.75 |
| 0.00 | Recovery Chlorides 27000 ppm | 0.00 |
| 0.00 | Recov resistivity .58 ohms @ 65 degrees | 0.00 |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal Boulevard
Suite C
Hays, Kansas 67601
ATTN: Charlie Sturdavant

**RGW Unit #1-16**

**16/21S/16W/Pawnee**

Job Ticket: 18811 **DST#: 1**

Test Start: 2011.12.13 @ 22:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:02:30
Time Test Ended: 07:56:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Sw inney
Unit No: 3325 Great Bend/50

**Interval: 3750.00 ft (KB) To 3840.00 ft (KB) (TVD)**
Total Depth: 3840.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

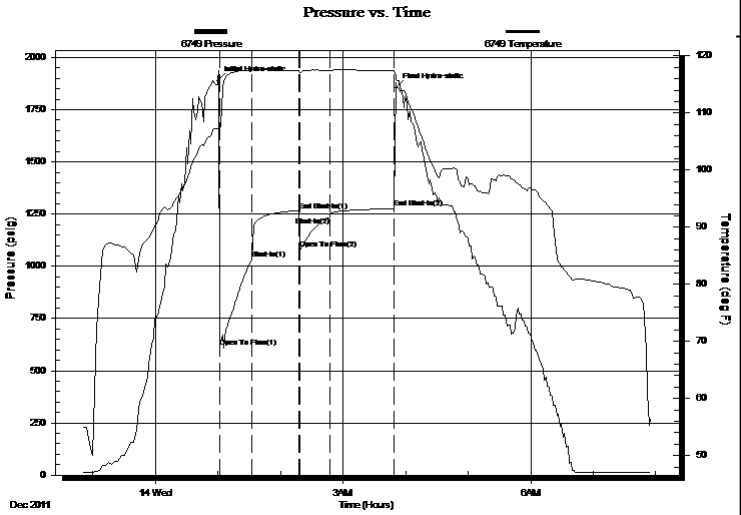
Reference Elevations: 2002.00 ft (KB)
1991.00 ft (CF)
KB to GR/CF: 11.00 ft

**Serial #: 6749** **Inside**

Press@RunDepth: 1277.92 psig @ 3835.92 ft (KB)
Start Date: 2011.12.13 End Date: 2011.12.14
Start Time: 22:50:00 End Time: 07:56:00

Capacity: 5000.00 psig
Last Calib.: 2011.12.14
Time On Btm: 2011.12.14 @ 01:00:00
Time Off Btm: 2011.12.14 @ 03:51:00

TEST COMMENT:
1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
1ST Shut In 45 Minutes/No blow back
2ND Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
2ND Shut In 60 Minutes/No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1887.66 | 107.33 | Initial Hydro-static |
| 2 | 615.50 | 107.03 | Open To Flow (1) |
| 33 | 1034.36 | 117.48 | Shut-In(1) |
| 78 | 1267.36 | 117.44 | End Shut-In(1) |
| 79 | 1082.44 | 117.03 | Open To Flow (2) |
| 107 | 1235.72 | 117.43 | Shut-In(2) |
| 169 | 1277.92 | 117.43 | End Shut-In(2) |
| 171 | 1855.75 | 116.05 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 2220.00 | Slightly gas cut Muddy Water | 30.43 |
| 0.00 | Gas 1% Mud 15% Water 84% | 0.00 |
| 120.00 | Mud 100% | 1.75 |
| 0.00 | Recovery Chlorides 27000 ppm | 0.00 |
| 0.00 | Recov resistivity .58 ohms @ 65 degrees | 0.00 |
| | | |

## Gas Rates

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

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources LLC

2717 Canal Boulevard
Suite C
Hays, Kansas 67601
ATTN: Charlie Sturdavant

**RGW Unit #1-16**

**16/21S/16W/Pawnee**

Job Ticket: 18811 **DST#: 1**

Test Start: 2011.12.13 @ 22:50:00

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3516.00 ft | Diameter: | 3.88 inches | Volume: | 51.42 bbl | Tool Weight: | | 2000.00 lb |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | Weight set on Packer: | | 20000.00 lb |
| Drill Collar: | Length: | 210.00 ft | Diameter: | 2.25 inches | Volume: | 1.03 bbl | Weight to Pull Loose: | | 76000.00 lb |
| | | | | | Total Volume: | 52.45 bbl | Tool Chased | | 0.00 ft |
| Drill Pipe Above KB: | | 4.75 ft | | | | | String Weight: | Initial | 58000.00 lb |
| Depth to Top Packer: | | 3750.00 ft | | | | | | Final | 70000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval betw een Packers: | | 89.92 ft | | | | | | | |
| Tool Length: | | 118.67 ft | | | | | | | |
| Number of Packers: | | 2 | Diameter: | 6.75 inches | | | | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Shut-in tool | 5.00 | | | 3726.25 | | |
| Hydrolic tool | 5.00 | | | 3731.25 | | |
| Change over sub | 0.75 | | | 3732.00 | | |
| Jars | 6.00 | | | 3738.00 | | |
| Safety Joint | 2.00 | | | 3740.00 | | |
| Packer | 5.00 | | | 3745.00 | 28.75 | Bottom Of Top Packer |
| Packer | 5.00 | | | 3750.00 | | |
| Anchor | 6.00 | | | 3756.00 | | |
| change over sub | 0.75 | | | 3756.75 | | |
| drill pipe | 63.42 | | | 3820.17 | | |
| change over sub | 0.75 | | | 3820.92 | | |
| anchor | 14.00 | | | 3834.92 | | |
| Recorder | 1.00 | 6749 | Inside | 3835.92 | | |
| Recorder | 1.00 | 6748 | Outside | 3836.92 | | |
| bull plug | 3.00 | | | 3839.92 | 89.92 | Bottom Packers & Anchor |
| **Total Tool Length:** | **118.67** | | | | | |

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources LLC

2717 Canal Boulevard
Suite C
Hays, Kansas 67601
ATTN: Charlie Sturdavant

**RGW Unit #1-16**

**16/21S/16W/Pawnee**

Job Ticket: 18811 **DST#: 1**

Test Start: 2011.12.13 @ 22:50:00

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | ppm |
| Viscosity: | 54.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.20 in³ | Gas Cushion Type: | | | |
| Resistivity: | ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 6800.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

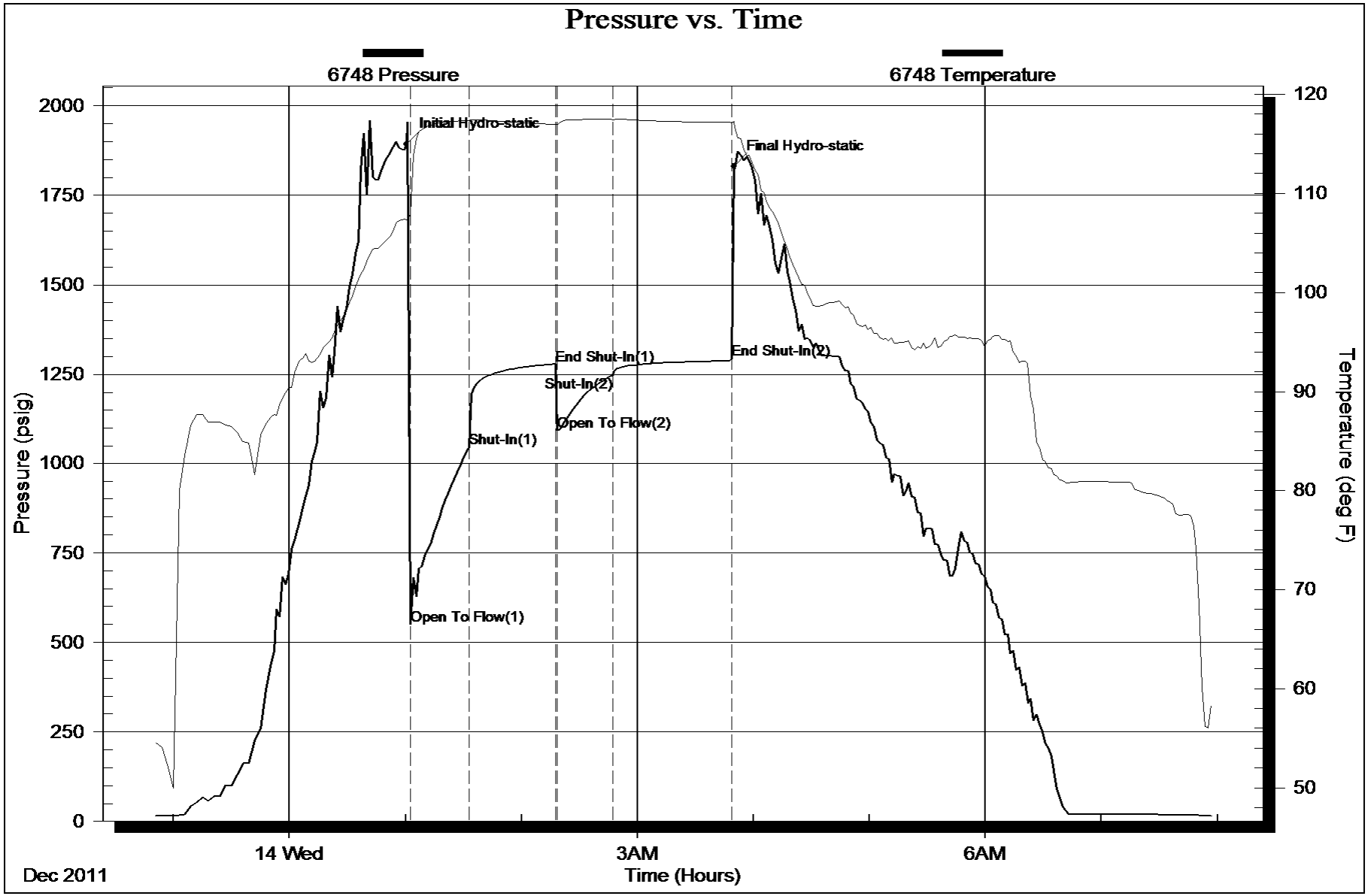
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 2220.00 | Slightly gas cut Muddy Water | 30.427 |
| 0.00 | Gas 1% Mud 15% Water 84% | 0.000 |
| 120.00 | Mud 100% | 1.755 |
| 0.00 | Recovery Chlorides 27000 ppm | 0.000 |
| 0.00 | Recov resistivity .58 ohms @ 65 degrees | 0.000 |

Total Length: 2340.00 ft Total Volume: 32.182 bbl

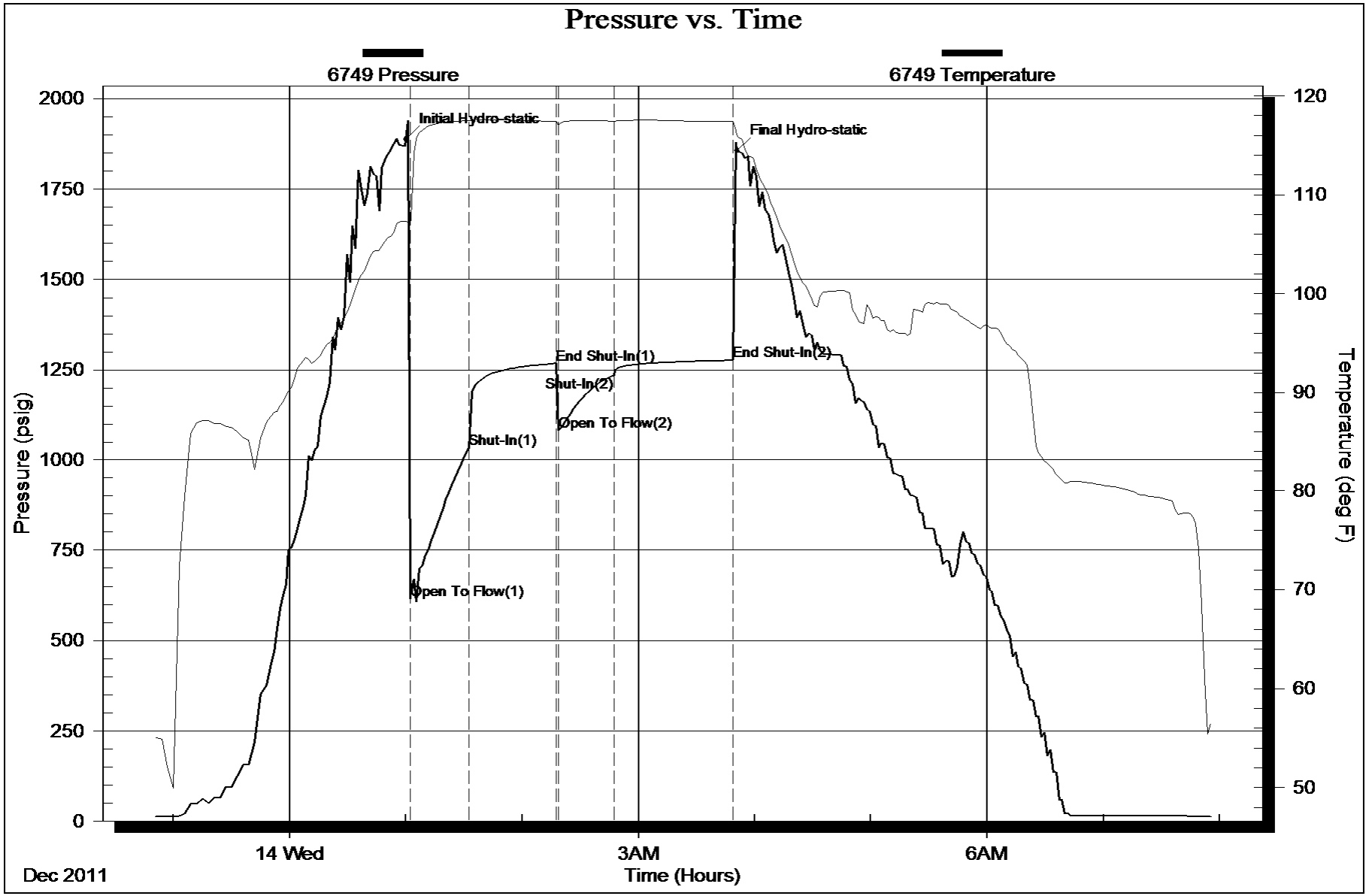
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6748 **Outside** Shelby Resources LLC 16/21S/16W/Pawnee DST Test Number: 1




Superior Testers Enterprises LLC Ref. No: 18811 Printed: 2011.12.14 @ 06:21:46

Serial #: 6749 **Inside** Shelby Resources LLC 16/21S/16W/Pawnee DST Test Number: 1




Superior Testers Enterprises LLC Ref. No: 18811 Printed: 2011.12.14 @ 06:21:46

# ALLIED CEMENTING CO., LLC. 042313

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

| DATE 12-8-11 | SEC. 16 | TWP. 21S | RANGE 16W | CALLED OUT | ON LOCATION 100pm | JOB START 1130pm | JOB FINISH 1200am |
|---|---|---|---|---|---|---|---|
| LEASE RGW | WELL # 1-16 | | LOCATION Larned KS East on 56 to Rd 100av 7n W into | | | COUNTY Pawnee | STATE KS |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR Sterling Drg #1
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1034
CASING SIZE 8 5/8 24# DEPTH 1032
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 26.10 Ft
PERFS.
DISPLACEMENT Freshwater

OWNER Shelby Resources

**CEMENT**
AMOUNT ORDERED 500 sx Com 3%cc 2%gel

**EQUIPMENT**

PUMP TRUCK CEMENTER Bob G.
# 398 HELPER Shane K.
BULK TRUCK
# 344-170 DRIVER Kevin W.
BULK TRUCK
# DRIVER

| | | | |
|---|---|---|---|
| COMMON | 500 | @ 16.25 | 8125.00 |
| POZMIX | | @ | |
| GEL | 9 | @ 21.25 | 191.25 |
| CHLORIDE | 18 | @ 58.20 | 1047.60 |
| ASC | | @ | |
| HANDLING | 527 | @ 2.25 | 1185.75 |
| MILEAGE | 527 x 24 x .11 | | 1.391.28 |
| | | TOTAL | 11940.00 |

**REMARKS:**

Pipe on bottom break circulation with rig mud. Mix 500 sx Common 3%cc 2%gel Shut down release plug and displace with 64.08 bbl Freshwater and Shut in. Cement did Circulate

**SERVICE**

DEPTH OF JOB 1032
PUMP TRUCK CHARGE 1125.00
EXTRA FOOTAGE 734 @ .90 660.60
MILEAGE Hvm 48 @ 7.00 336.00
MANIFOLD @
Hvm 48 @ 4.00 192.00
Wait Time @ NC NC
TOTAL 2313.60

CHARGE TO: Shelby Resources
STREET
CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

| | | |
|---|---|---|
| 8 5/8 Basket x 1 | @ 478.00 | 478.00 |
| 8 5/8 baffle plate x 1 | @ 112.00 | 112.00 |
| 8 5/8 Rubber plug x 1 | @ 112.00 | 112.00 |
| | @ | |
| | @ | |
| | TOTAL | 702.00 |

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 14955.60
DISCOUNT 50% 3.566.90 IF PAID IN 30 DAYS
11388.20

PRINTED NAME x Wilford mBortz

SIGNATURE x Wilford mBortz

Thank you

Scale 1:240 Imperial

| | | | |
|---|---|---|---|
| Well Name: | RGW Unit # 1-16 | | |
| Surface Location: | 2035' FNL, 2470' FEL, Sec 16-21S-16W | | |
| Bottom Location: | | | |
| API: | 15-145-21659-00-00 | | |
| License Number: | | | |
| Spud Date: | 12/7/2011 | Time: | 1:00 PM |
| Region: | Pawnee County | | |
| Drilling Completed: | 12/14/2011 | Time: | 2:00 PM |
| Surface Coordinates: | 568603 & 1831770 | | |
| Bottom Hole Coordinates: | | | |
| Ground Elevation: | 1991.00ft | | |
| K.B. Elevation: | 2002.00ft | | |
| Logged Interval: | 2900.00ft | To: | 3900.00ft |
| Total Depth: | 3900.00ft | | |
| Formation: | Arbuckle | | |
| Drilling Fluid Type: | Chemical/Fresh Water Gel | | |

**OPERATOR**

| | | | |
|---|---|---|---|
| Company: | Captiva II, LLC | | |
| Address: | 445 Union Blvd., Suite 208<br>Lakewood, CO 80228 | | |
| Contact Geologist: | Janine Sturdavant | | |
| Contact Phone Nbr: | 303-907-2295 | | |
| Well Name: | RGW Unit # 1-16 | | |
| Location: | 2035' FNL, 2470' FEL, Sec 16-21S-16W | API: | 15-145-21659-00-00 |
| Pool: | Wildcat | Field: | Wildcat |
| State: | Kansas | Country: | USA |

**LOGGED BY**

Charlie Sturdavant Consulting

| | | | |
|---|---|---|---|
| Company: | Charlie Sturdavant Consulting | | |
| Address: | 920 12th Street<br>Golden, CO 80401 | | |
| Phone Nbr: | 303-907-2295----303-384-9481 | | |
| Logged By: | Geologist | Name: | Charlie Sturdavant |

**NOTES**

The Captiva II RGW Unit #1-16 well was drilled to a LTD of 3898', bottoming in the Arbuckle. A Tooke DAQ gas detector was employed during the penetration of all prospective formations. No significant gas kicks were noted during drilling operations. Weak sample shows were noted in the Lansing "F" zone, and spotty, dead oil staining was noted near the top of the Arbuckle. DST #1 covered the top 14' of the Arbuckle. The recovery of 2220' of slightly gas cut, muddy water and 120' of mud, essentially condemned the possibility of production from this formation.

Based on the lack of live oil shows, the negative DST, and log analysis, it was determined by all parties involved, that the well should be plugged and abandoned.

The dry samples were saved and will be available for review at the Kansas Geological Survey well sample library, located in Wichita, Kansas.

Respectfully submitted,
Charlie Sturdavant
Consulting Geologist

**Well Comparison Sheet**

# Charlie Sturdavant Consulting

## WELL COMPARISON SHEET

| | DRILLING WELL<br>Captiva II #1-16 RGW Unit<br>2035' FNL & 2470' FEL<br>Sec. 16, T21S R16W | | | | COMPARISON WELL<br>Captiva II #1-21 Airport<br>1716' FSL & 1950' FEL<br>Sec. 21, T21S R16W | | | | COMPARISON WELL<br>Allen Drilling # 1-21 Boyd<br>C-E/2-SE-NE<br>Sec. 21, T21S R16W | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2002 KB | | | | 2021 KB | | Structural Relationship | | 1990 KB | | Structural Relationship | |
| Formation | Sample | Sub-Sea | Log | Sub-Sea | Log | Sub-Sea | Sample | Log | Log | Sub-Sea | Sample | Log |
| Anhydrite | 990 | 1012 | 1006 | 996 | 1006 | 1015 | -3 | -19 | 979 | 1011 | 1 | -15 |
| Tarkio | 2830 | -828 | 2826 | -824 | 2841 | -820 | -8 | -4 | 2811 | -821 | -7 | -3 |
| Elmont | 2888 | -886 | 2884 | -882 | 2900 | -879 | -7 | -3 | 2868 | -878 | -8 | -4 |
| Howard | 3030 | -1028 | 3027 | -1025 | 3045 | -1024 | -4 | -1 | 3014 | -1024 | -4 | -1 |
| Topeka | 3112 | -1110 | 3107 | -1105 | 3122 | -1101 | -9 | -4 | 3093 | -1103 | -7 | -2 |
| Heebner | 3377 | -1375 | 3374 | -1372 | 3401 | -1380 | 5 | 8 | 3363 | -1373 | -2 | 1 |
| Toronto | 3392 | -1390 | 3390 | -1388 | 3416 | -1395 | 5 | 7 | 3384 | -1394 | 4 | 6 |
| Douglas | 3408 | -1406 | 3404 | -1402 | 3433 | -1412 | 6 | 10 | 3398 | -1408 | 2 | 6 |
| Brown Lime | 3465 | -1463 | 3464 | -1462 | 3492 | -1471 | 8 | 9 | 3459 | -1469 | 6 | 7 |
| Lansing | 3472 | -1470 | 3474 | -1472 | 3502 | -1481 | 11 | 9 | 3472 | -1482 | 12 | 10 |
| Stark Shale | 3677 | -1675 | 3675 | -1673 | 3706 | -1685 | 10 | 12 | 3672 | -1682 | 7 | 9 |
| Base KC | 3730 | -1728 | 3726 | -1724 | 3758 | -1737 | 9 | 13 | 3718 | -1728 | 0 | 4 |
| Marmaton | 3740 | -1738 | 3744 | -1742 | 3770 | -1749 | 11 | 7 | 3735 | -1745 | 7 | 3 |
| Conglomerate | 3762 | -1760 | 3759 | -1757 | 3786 | -1765 | 5 | 8 | 3754 | -1764 | 4 | 7 |
| Simpson Shale | 3806 | -1804 | 3801 | -1799 | 3812 | -1791 | -13 | -8 | 3785 | -1795 | -9 | -4 |
| Arbuckle | 3830 | -1828 | 3826 | -1824 | 3847 | -1826 | -2 | 2 | 3842 | -1852 | 24 | 28 |
| Total Depth | 3900 | -1898 | 3898 | -1896 | 4025 | -2004 | 106 | 108 | 4123 | -2133 | 235 | 237 |

**Daily Drilling Report**

# Charlie Sturdavant Consulting

## DAILY DRILLING REPORT

Company: Charlie Sturdavant Consulting
920 12th Street
Golden, CO 80401

Well: #1-16 RGW Unit
Location: 2035' FNL & 2470' FEL
Sec. 16 T21S R16W
Pawnee County, KS

Captiva II
Jim Waechter
Office: 303-274-4682
Cell: 303-478-3388

Wellsite Geologist: Charlie Sturdavant
Cell: (303) 907-2295
Office: (303) 384-9481

Elevation: 2002' KB 1991' GL
Field: Wildcat
API No.: 15-145-21659-0000
Surface Casing: 8 5/8" set @ 1010' KB

Drilling Contractor: Sterling Drilling Rig #1 620-388-6234, Tool Pusher: Billy Bortz, cell: 620-388-4904

| DATE | 7:00 AM DEPTH | REMARKS |
|---|---|---|
| 12/7/2011 | 0 ft. | Moving in and rigging up. |
| 12/8/2011 | 800' ft. | Drilling ahead. |
| 12/9/2011 | 1034 ft. | Waiting on cement. Ran 24 joints of new 24# 8-5/8" surface csg. Set @ 1032'. |
| 12/10/2011 | 1725 ft | Drilling ahead. |
| 12/11/2011 | 2500 ft. | Drilling ahead. |
| 12/12/2011 | 3196 ft. | Drilling ahead. |
| 12/13/2011 | 3755 ft. | Drilling ahead. |

| | | |
|---|---|---|
| 12/14/2011 | 3840 ft.<br>RTD 3900 ft.<br>LTD 3898 ft | Pulling DST #1. Reach TD @ 1400 hrs.<br>Complete logging operations @ 2245 hrs. |

## SURFACE CO-ORDINATES

| | | | |
|---|---|---|---|
| Well Type: | Vertical | | |
| Longitude: | | Latitude: | |
| N/S Co-ord: | 568603 | | |
| E/W Co-ord: | 1831770 | | |

## CONTRACTOR

| | | | |
|---|---|---|---|
| Contractor: | Sterling Drilling, Co | | |
| Rig #: | 1 | | |
| Rig Type: | mud rotary | | |
| Spud Date: | 12/7/2011 | Time: | 1:00 PM |
| TD Date: | 12/14/2011 | Time: | 2:00 PM |
| Rig Release: | | Time: | |

## ELEVATIONS

| | | | |
|---|---|---|---|
| K.B. Elevation: | 2002.00ft | Ground Elevation: | 1991.00ft |
| K.B. to Ground: | 11.00ft | | |

## ROCK TYPES

| | | | |
|---|---|---|---|
| Cht vari | Lmst fw<7 | Shgy | shale, red |
| Chtcongl | Lmst fw7> | shale, gry | Shcol |
| Dolsec | shale, grn | Carbon Sh | Ss |

## ACCESSORIES

### MINERAL
- Argillaceous
- Calcareous
- Chert White
- Chert, dark
- Dolomitic
- P Pyrite

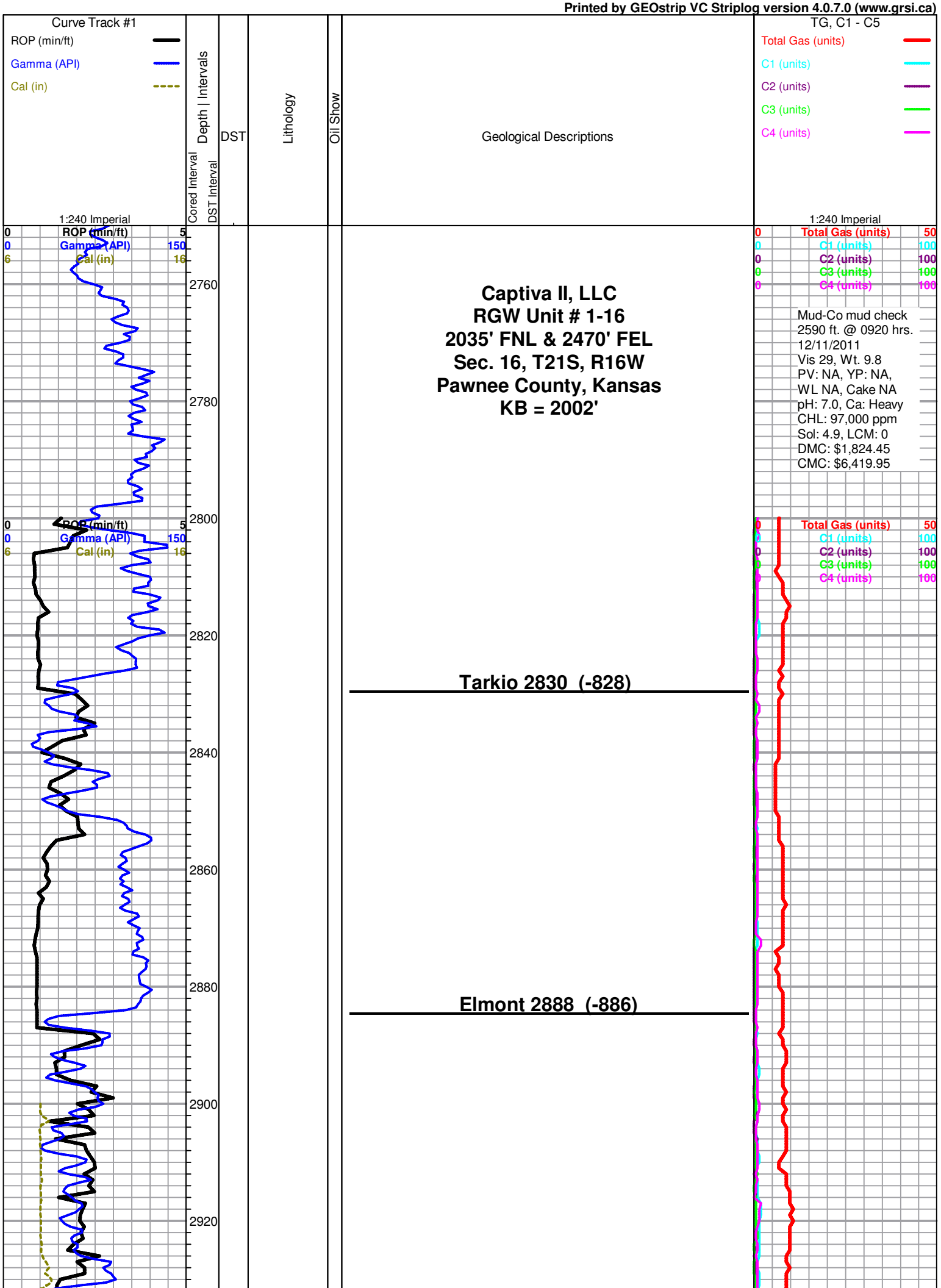
### FOSSIL
- Algae
- Bioclastic or Fragmental
- Brachiopod
- Bryozoa
- Crinoids
- F Fossils < 20%
- Fussilinid
- Gastropod
- Oolites
- Oomoldic
- Pelloids
- Pellets
- Sponge Spicules
- Spicules

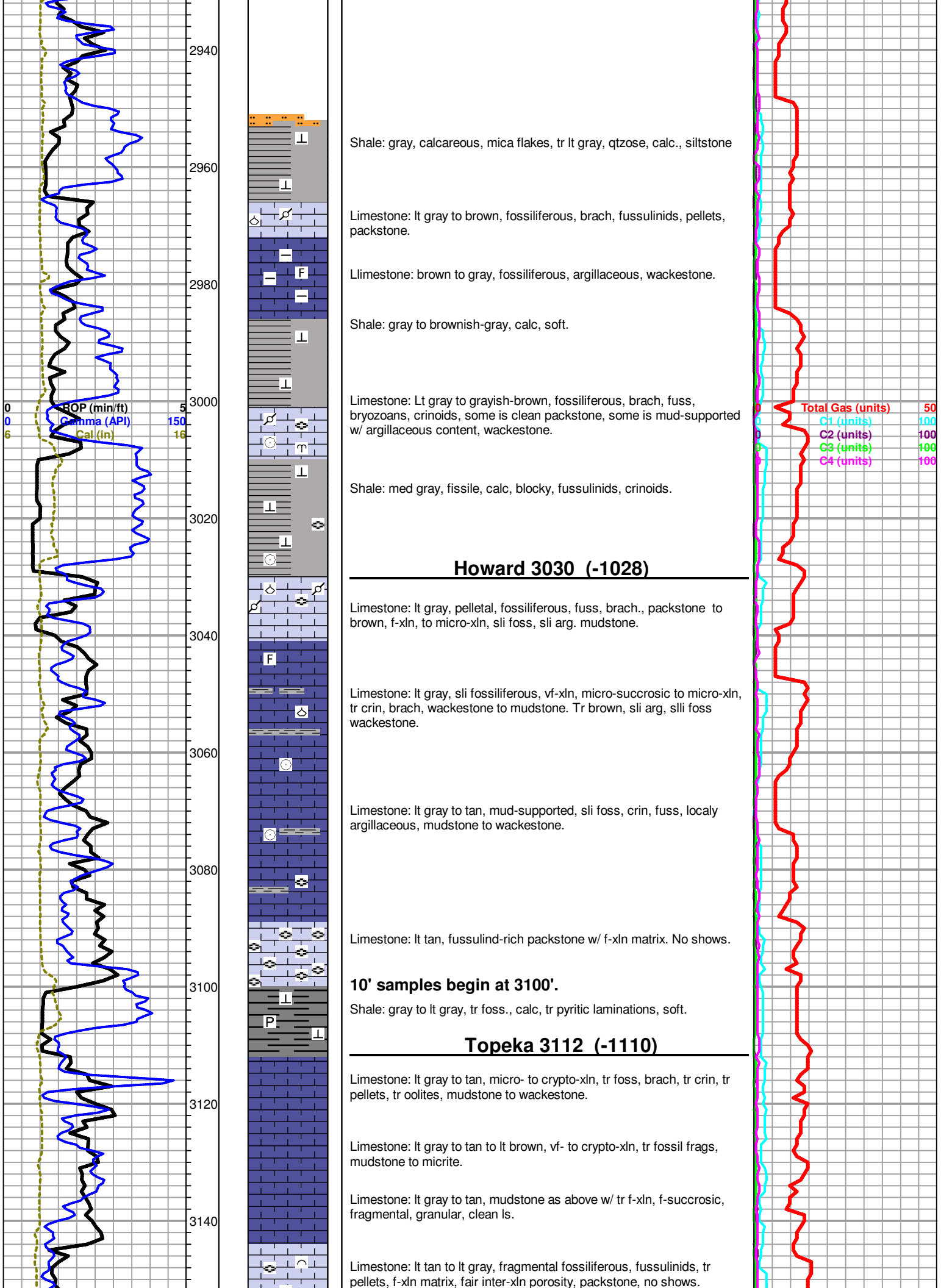
### STRINGER
- Limestone
- Siltstone
- Shale
- green shale
- red shale

## OTHER SYMBOLS

### MISC
- DR Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

### DST
- DST Int
- DST alt


Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial
Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions
TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 50
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
2760
2780
2800
2820
2840
2860
2880
2900
2920
Captiva II, LLC
RGW Unit # 1-16
2035' FNL & 2470' FEL
Sec. 16, T21S, R16W
Pawnee County, Kansas
KB = 2002'
Mud-Co mud check
2590 ft. @ 0920 hrs.
12/11/2011
Vis 29, Wt. 9.8
PV: NA, YP: NA,
WL NA, Cake NA
pH: 7.0, Ca: Heavy
CHL: 97,000 ppm
Sol: 4.9, LCM: 0
DMC: $1,824.45
CMC: $6,419.95
Tarkio 2830 (-828)
Elmont 2888 (-886)




Shale: gray, calcareous, mica flakes, tr lt gray, qtzose, calc., siltstone

Limestone: lt gray to brown, fossiliferous, brach, fussulinids, pellets, packstone.

Llimestone: brown to gray, fossiliferous, argillaceous, wackestone.

Shale: gray to brownish-gray, calc, soft.

Limestone: Lt gray to grayish-brown, fossiliferous, brach, fuss, bryozoans, crinoids, some is clean packstone, some is mud-supported w/ argillaceous content, wackestone.

Shale: med gray, fissile, calc, blocky, fussulinids, crinoids.

## Howard 3030 (-1028)

Limestone: lt gray, pelletal, fossiliferous, fuss, brach., packstone to brown, f-xln, to micro-xln, sli foss, sli arg. mudstone.

Limestone: lt gray, sli fossiliferous, vf-xln, micro-succrosic to micro-xln, tr crin, brach, wackestone to mudstone. Tr brown, sli arg, slli foss wackestone.

Limestone: lt gray to tan, mud-supported, sli foss, crin, fuss, localy argillaceous, mudstone to wackestone.

Limestone: lt tan, fussulind-rich packstone w/ f-xln matrix. No shows.

**10' samples begin at 3100'.**

Shale: gray to lt gray, tr foss., calc, tr pyritic laminations, soft.

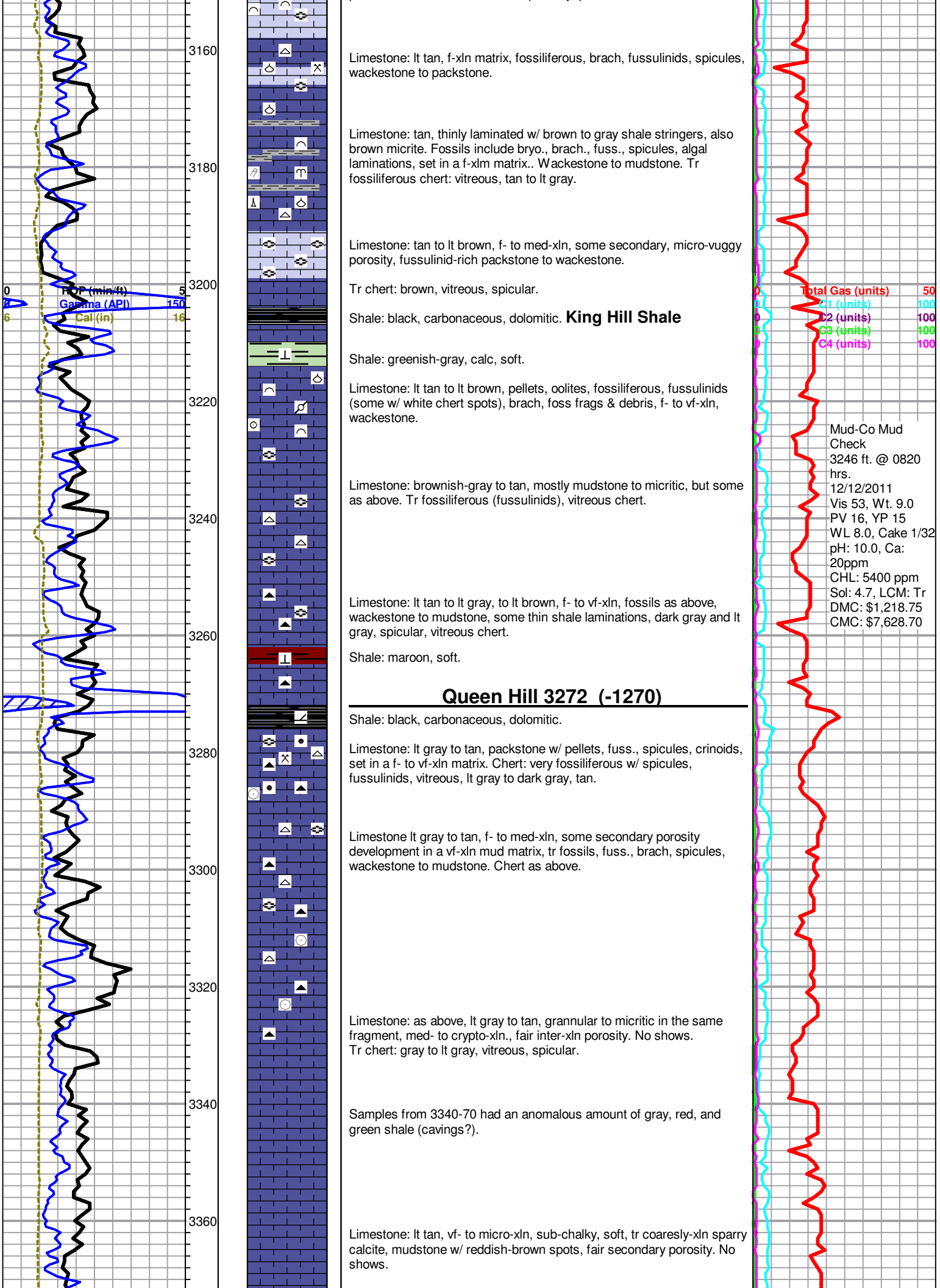
## Topeka 3112 (-1110)

Limestone: lt gray to tan, micro- to crypto-xln, tr foss, brach, tr crin, tr pellets, tr oolites, mudstone to wackestone.

Limestone: lt gray to tan to lt brown, vf- to crypto-xln, tr fossil frags, mudstone to micrite.

Limestone: lt gray to tan, mudstone as above w/ tr f-xln, f-succrosic, fragmental, granular, clean ls.

Limestone: lt tan to lt gray, fragmental fossiliferous, fussulinids, tr pellets, f-xln matrix, fair inter-xln porosity, packstone, no shows.




Limestone: lt tan, f-xln matrix, fossiliferous, brach, fussulinids, spicules, wackestone to packstone.

Limestone: tan, thinly laminated w/ brown to gray shale stringers, also brown micrite. Fossils include bryo., brach., fuss., spicules, algal laminations, set in a f-xlm matrix.. Wackestone to mudstone. Tr fossiliferous chert: vitreous, tan to lt gray.

Limestone: tan to lt brown, f- to med-xln, some secondary, micro-vuggy porosity, fussulinid-rich packstone to wackestone.

Tr chert: brown, vitreous, spicular.

Shale: black, carbonaceous, dolomitic. **King Hill Shale**

Shale: greenish-gray, calc, soft.

Limestone: lt tan to lt brown, pellets, oolites, fossiliferous, fussulinids (some w/ white chert spots), brach, foss frags & debris, f- to vf-xln, wackestone.

Limestone: brownish-gray to tan, mostly mudstone to micritic, but some as above. Tr fossiliferous (fussulinids), vitreous chert.

Limestone: lt tan to lt gray, to lt brown, f- to vf-xln, fossils as above, wackestone to mudstone, some thin shale laminations, dark gray and lt gray, spicular, vitreous chert.

Shale: maroon, soft.

## Queen Hill 3272 (-1270)

Shale: black, carbonaceous, dolomitic.

Limestone: lt gray to tan, packstone w/ pellets, fuss., spicules, crinoids, set in a f- to vf-xln matrix. Chert: very fossiliferous w/ spicules, fussulinids, vitreous, lt gray to dark gray, tan.

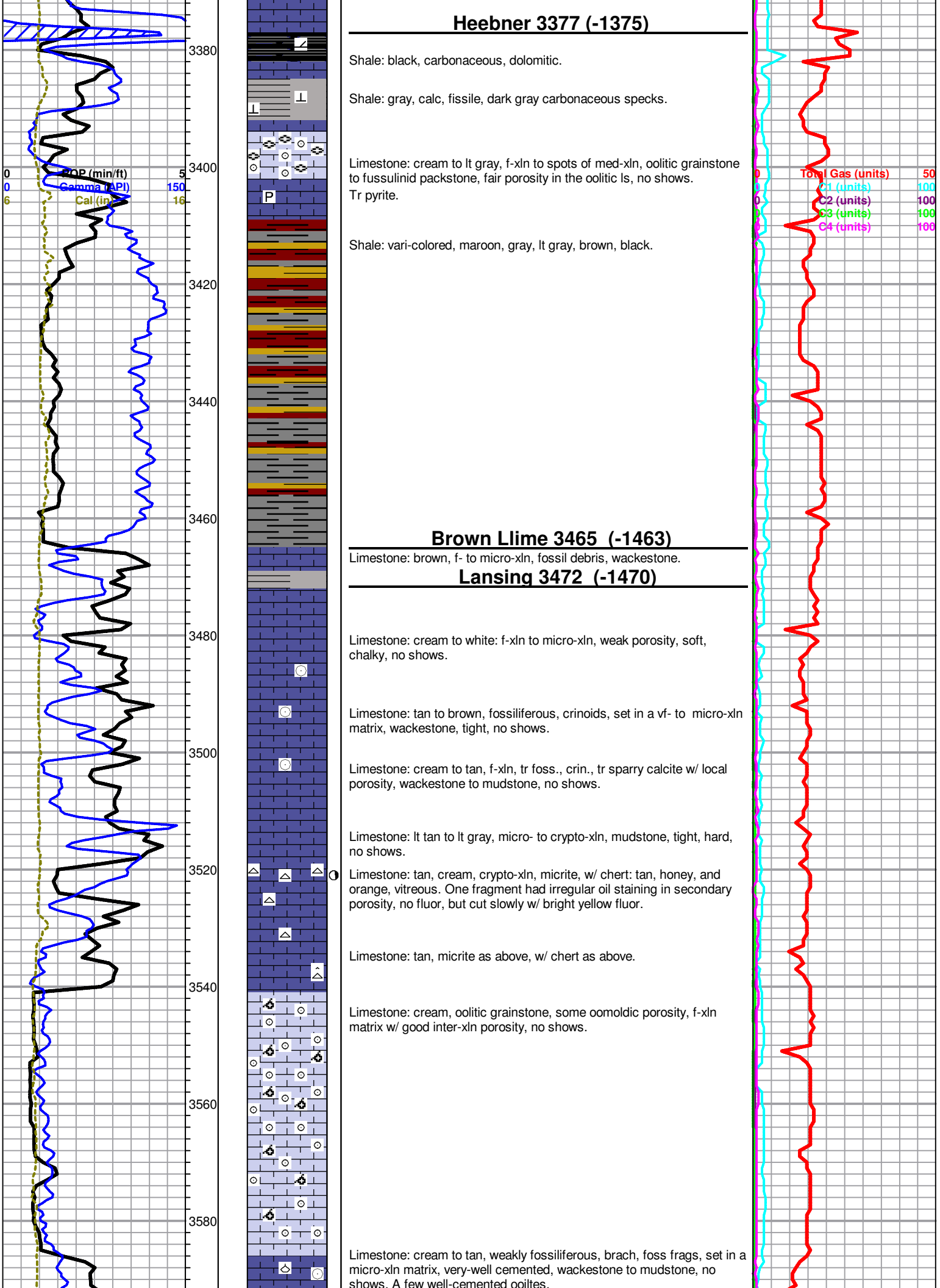
Limestone lt gray to tan, f- to med-xln, some secondary porosity development in a vf-xln mud matrix, tr fossils, fuss., brach, spicules, wackestone to mudstone. Chert as above.

Limestone: as above, lt gray to tan, grannular to micritic in the same fragment, med- to crypto-xln., fair inter-xln porosity. No shows.
Tr chert: gray to lt gray, vitreous, spicular.

Samples from 3340-70 had an anomalous amount of gray, red, and green shale (cavings?).

Limestone: lt tan, vf- to micro-xln, sub-chalky, soft, tr coaresly-xln sparry calcite, mudstone w/ reddish-brown spots, fair secondary porosity. No shows.

Mud-Co Mud Check
3246 ft. @ 0820 hrs.
12/12/2011
Vis 53, Wt. 9.0
PV 16, YP 15
WL 8.0, Cake 1/32
pH: 10.0, Ca: 20ppm
CHL: 5400 ppm
Sol: 4.7, LCM: Tr
DMC: $1,218.75
CMC: $7,628.70




## Heebner 3377 (-1375)

Shale: black, carbonaceous, dolomitic.

Shale: gray, calc, fissile, dark gray carbonaceous specks.

Limestone: cream to lt gray, f-xln to spots of med-xln, oolitic grainstone to fussulinid packstone, fair porosity in the oolitic ls, no shows.
Tr pyrite.

Shale: vari-colored, maroon, gray, lt gray, brown, black.

## Brown Llime 3465 (-1463)

Limestone: brown, f- to micro-xln, fossil debris, wackestone.

## Lansing 3472 (-1470)

Limestone: cream to white: f-xln to micro-xln, weak porosity, soft, chalky, no shows.

Limestone: tan to brown, fossiliferous, crinoids, set in a vf- to micro-xln matrix, wackestone, tight, no shows.

Limestone: cream to tan, f-xln, tr foss., crin., tr sparry calcite w/ local porosity, wackestone to mudstone, no shows.

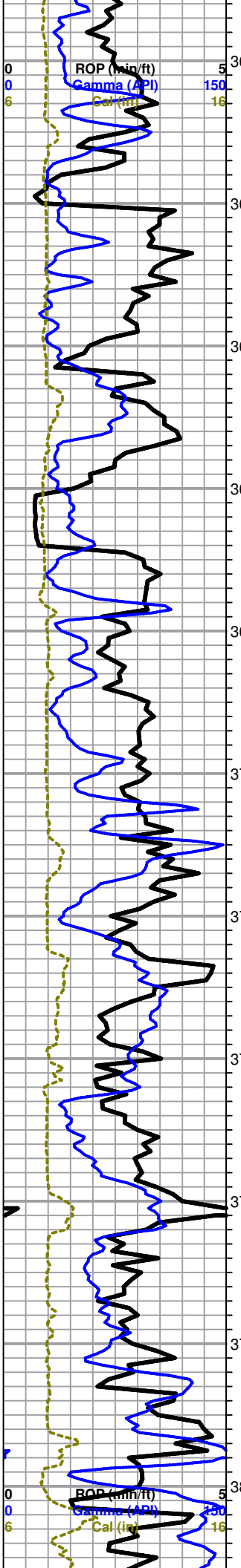
Limestone: lt tan to lt gray, micro- to crypto-xln, mudstone, tight, hard, no shows.

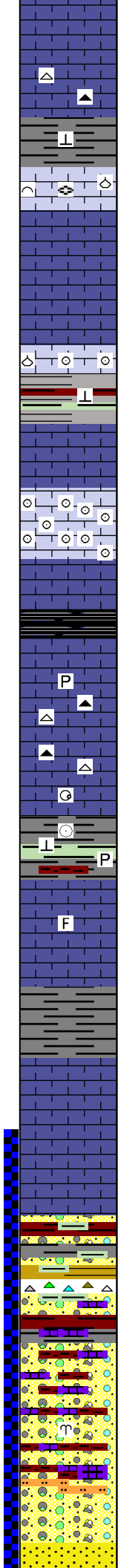
Limestone: tan, cream, crypto-xln, micrite, w/ chert: tan, honey, and orange, vitreous. One fragment had irregular oil staining in secondary porosity, no fluor, but cut slowly w/ bright yellow fluor.

Limestone: tan, micrite as above, w/ chert as above.

Limestone: cream, oolitic grainstone, some oomoldic porosity, f-xln matrix w/ good inter-xln porosity, no shows.

Limestone: cream to tan, weakly fossiliferous, brach, foss frags, set in a micro-xln matrix, very-well cemented, wackestone to mudstone, no shows. A few well-cemented ooiltes.




Limestone: tan, crypto-xln, micrite, tr honey-colored chert, vitreous.

Shale: gray & dark gray, interlaminated, fossil frags, calc., soft.

Limestone: cream, mottled with brown, fossiliferous, brach, fussulinids, frags., set in vf-xln matrix, packstone, fair inter-xln porosity, no shows.

Limestone: cream to lt tan, micro- to crypto-xln, clean mudstone to micrite, dense, hard, no shows.

Limestone: cream, oolites, fossil frags, brach, set in a vf-xln matrix, weak porosity, packstone, no shows.

Shale: gray, maroon, lt greenish-gray, calc, fissile.

Limestone, lt tan, weakly fossiliferous, fragmental, micro-xln matrix, wackestone.

Limestone: lt tan to tan, oolitic grainstone, good oomoldic porosity, micro-xln cement, no shows.

## Stark Shale 3677 (-1675)

Llimestone: white to very lt gray, micro- to crypto-xln, mudstone to lithographic limestone. Tight, no shows.

Limestone: tan to mottled cream & reddish-brown, fossiliferous to barren, brach, oolites, set in a micro- to crypto-xln matrix. Cream micrite w/ pyrite.

Tr chert: vitreous, honey-colored, spicular.

Limestone: tan to brown w/ some reddis-brown mottling, miccro-xln, mudstone to micrite. Tr gastropod. Tr gray shaley lime.

Shale: mixed colors, mainly gray, some greenish-gray, thinly laminated, fossiliferous, crinoids, calcareous, tr maroon. Tr pyrite.

Limestone: brown, fossil fragments, f-xln matrix, argillaceous, wackestone.

## Base Kansas City 3730 (-1728)

## Marmaton 3740 (-1738)

Limestone: lt gray to tan, micro- to crypto-xln w/ sparry patches, fair inter-xln porosity in the spar. Lithographic micrite. No shows.

Limestone: tan to lt brown, mottled w/ maroon patches of clay. Lt green shale patches in micrite.

## Conglomerate 3762 (-1760)

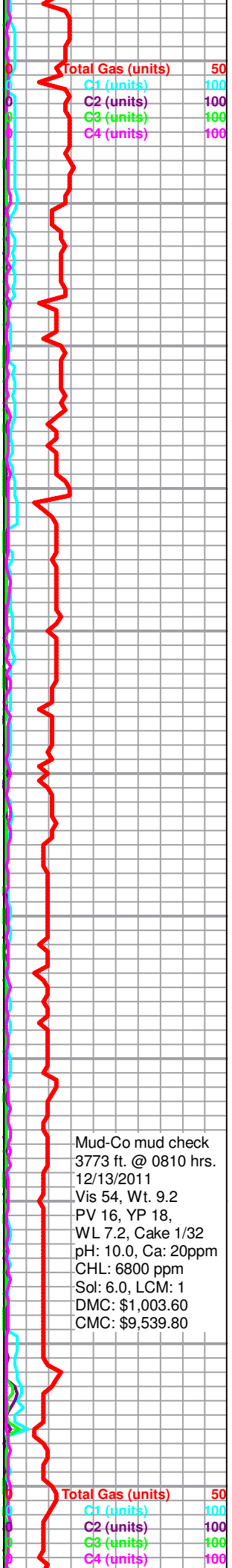
Conglomerate: maroon shale mottled w/ lt gray patches. Vari-colored shale, gray, lt brown, greenish-gray. Limestone: lt gray to lt tan, mottled w/ red shale streaks. Chert: maroon to honey, vitreous.

Conglomerate: cherty, red, maroon, cream, honey, vitreous, weathered tan and maroon limestone, and vari-colored shale.

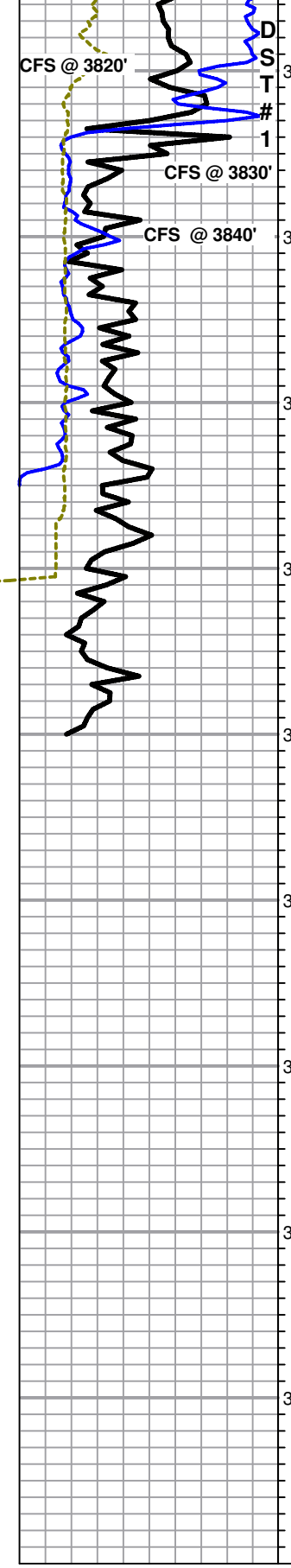
Cherty conglomerate: increasing chert content. Limbs if Rhombopora. Tr dirty siltstone interlaminated with aqua-green shale.

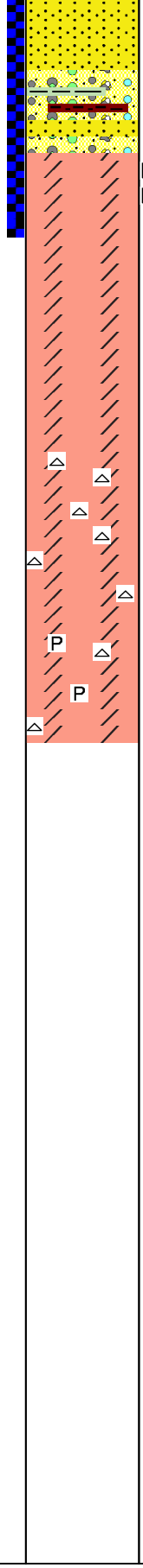
## Simpson Shale 3806 (-1804)

Conglomerate as above w/ lt green, waxy shale. Sandstone: qtz-rich, found as individual, well-rounded, fine-grained grains in the bottom of the sample tray.




Mud-Co mud check
3773 ft. @ 0810 hrs.
12/13/2011
Vis 54, Wt. 9.2
PV 16, YP 18,
WL 7.2, Cake 1/32
pH: 10.0, Ca: 20ppm
CHL: 6800 ppm
Sol: 6.0, LCM: 1
DMC: $1,003.60
CMC: $9,539.80




60 min sample: Sandstone, f-gr, well-sorted, well-rounded grains, non-calcareous, qtz arenite.

Conglomerate as above w/ olive shale, aqua-green shale, and yellow ochre, sandy shale.

60 min sample shows the same conglomerate and sandstone as above. No shows.

## Arbuckle 3830 (-1828)

Dolomite: lt tan, succrosic, rhombs to 0.1mm, a few fragments w/ spotty dead oil staining, no fluor., very weak cut.

RGW #1-16 DST #10001.jpg

Dolomite: cream to lt tan, siccrosic, rhombs up to 0.2mm, fair to good inter-xln porosity, tr micro-vuggy porosity, no shows.

Dolomite: lt tan to cream, as above w/ some very tight dolomitic micrite.
Chert: white to translucent honey, vitreous.

Dolomite: as above w/ pyrite.

## RTD 3900 (-1898)

**Rotary TD 3900' @ 1400hrs 12/14/2011**
**Superior Well Services Logged TD 3898'**
**Completed logging operations @ 2245 hrs.**

**Geologist: Charlie Sturdavant off location**
**0015 hrs @ 12/15/2011**

**Pipe strap was 2.94' long to the board.**

**RGW #1-16 DST #10001.jpg**

# DRILL STEM TEST REPORT

Shelby Resources LLC

2717 Canal Boulevard
Suite C
Hays, Kansas 67601
ATTN: Charlie Sturdavant

**RGW Unit #1-16**

**16/21S/16W/Pawnee**

Job Ticket: 18811 **DST#: 1**

Test Start: 2011.12.13 @ 22:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:02:30
Time Test Ended: 07:56:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/50

**Interval: 3750.00 ft (KB) To 3840.00 ft (KB) (TVD)**
Total Depth: 3840.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

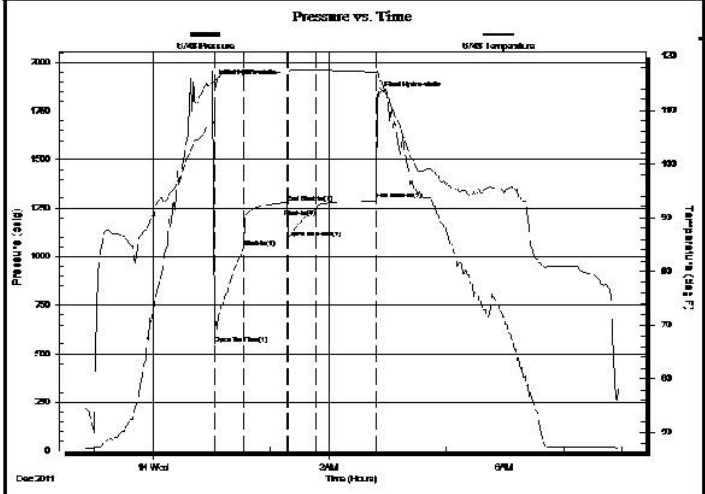
Reference Elevations: 2002.00 ft (KB)
1991.00 ft (CF)
KB to GR/CF: 11.00 ft

**Serial #: 6748** **Outside**

Press@RunDepth: 1246.50 psig @ 3836.92 ft (KB)
Start Date: 2011.12.13 End Date: 2011.12.14
Start Time: 22:50:00 End Time: 07:56:30

Capacity: 5000.00 psig
Last Calib.: 2011.12.14
Time On Btm: 2011.12.14 @ 01:00:30
Time Off Btm: 2011.12.14 @ 03:50:00

TEST COMMENT:
1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
1ST Shut In 45 Minutes/No blow back
2ND Open 30 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
2ND Shut In 60 Minutes/No blow back




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1892.83 | 107.29 | Initial Hydro-static |
| 3 | 550.45 | 107.94 | Open To Flow (1) |
| 33 | 1047.18 | 117.37 | Shut-In(1) |
| 78 | 1278.31 | 116.94 | End Shut-In(1) |
| 78 | 1093.79 | 116.92 | Open To Flow (2) |
| 107 | 1246.50 | 117.44 | Shut-In(2) |
| 169 | 1294.18 | 117.14 | End Shut-In(2) |
| 170 | 1831.04 | 117.29 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 2220.00 | Slightly gas cut Muddy Water | 30.43 |
| 0.00 | Gas 1% Mud 15% Water 84% | 0.00 |
| 120.00 | Mud 100% | 1.75 |
| 0.00 | Recovery Chlorides 27000 ppm | 0.00 |
| 0.00 | Recov resistivity .58 ohms @ 65 degrees | 0.00 |
| | | |

## Gas Rates

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

# ALLIED CEMENTING CO., LLC. 037984

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Med. Lodge

| DATE 12-7-11 | SEC. 16 | TWP. 21S | RANGE 16W | CALLED OUT | ON LOCATION | JOB START 10:30 am | JOB FINISH 12:00 am |
|---|---|---|---|---|---|---|---|
| LEASE RGW | WELL # H6 | | LOCATION Cornerfield E on 56 to 100th Ave 2N, west into | | | COUNTY Reuce | STATE KS |
| OLD OR ~~NEW~~ (Circle one) | | | | | | | |

CONTRACTOR Sterling Drilling
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D.
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 3880'
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Shelby Resources

**CEMENT**

AMOUNT ORDERED 240 sx 60:40:4 1/3 cl 1/4 # Flo seal

**EQUIPMENT**

PUMP TRUCK CEMENTER Matt Timesch
# 360/265 HELPER Daron Timesch
BULK TRUCK
#363/290 DRIVER Eddie Apes
BULK TRUCK
# DRIVER

| | | | |
|---|---|---|---|
| COMMON | 144 SACKS "A" | @ 11.25 | 2340- |
| POZMIX | 96 SACKS | @ 8.50 | 816- |
| GEL | 9 SACKS | @ 21.25 | 191.25 |
| CHLORIDE | | @ | |
| ASC | | @ | |
| flo seal | 60# | @ 2.70 | 162- |
| HANDLING | 251 | @ 2.25 | 564.75 |
| MILEAGE | 251 / .11 / 25 | | 690.25 |
| | | TOTAL | 4764.25 |

**REMARKS:**

pipe at 3880' pump 10 bbls H20 mix 40 sx cement disp 21 bbls H20 + 40 bbls mud.
pipe at 1050' pump 8 bbls H20 ahead mix 40 sx cement pump 50 sx cement disp 16 bbls mud.
pipe at 570' pump 8 bbls H20 mix 40 sx pump 60 sx disp 4 bbls H20
pipe at 210' pump 8 bbls H20 mix 40 sx cement disp 1/4 bbls H20.
pipe at 60' mix and pump 20 sx
mix and pump 30 sx for Rathole.

**SERVICE**

DEPTH OF JOB 3880'

| | | | |
|---|---|---|---|
| PUMP TRUCK CHARGE | | | 1250- |
| EXTRA FOOTAGE | | @ | |
| MILEAGE | 50 | @ 7.00 | 350.00 |
| MANIFOLD | | @ | |
| LW | 50 | @ 4.00 | 200.00 |
| | | @ | |
| | | TOTAL | 1800.00 |

CHARGE TO: Shelby Resources
STREET
CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

| | | | |
|---|---|---|---|
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | TOTAL | |

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 6564.25
DISCOUNT 50/20 IF PAID IN 30 DAYS
NET 4631.28

PRINTED NAME Jake Fahrenbach

SIGNATURE Jacob F Fahrenbach