



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1189346
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: _____

1189346

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

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

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

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

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

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Shelby Resources LLC |
| Well Name | Fisher Farms 1-15 |
| Doc ID | 1189346 |

All Electric Logs Run

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



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

445 Union Building Suite 208 Lakewood,
Colorado 80228

ATTN: Jeremy Schwartz

Fisher Farms #1-15

15-25s-14w Stafford

Start Date: 2014.01.10 @ 00:00:00

End Date: 2014.01.10 @ 00:00:00

Job Ticket #: 17113 DST #: 1

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

Printed: 2014.01.11 @ 01:21:21

Shelby Resources LLC

15-25s-14w Stafford

Fisher Farms #1-15

DST # 1

Lansing "H"

2014.01.10



DRILL STEM TEST REPORT

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17113

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.01.10 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3320

Interval: 3842.00 ft (KB) To 3863.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8419 Inside

Press@RunDepth: 1118.82 psia @ 3859.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.11

End Date: 2014.01.11

Last Calib.: 2014.01.11

Start Time: 01:08:47

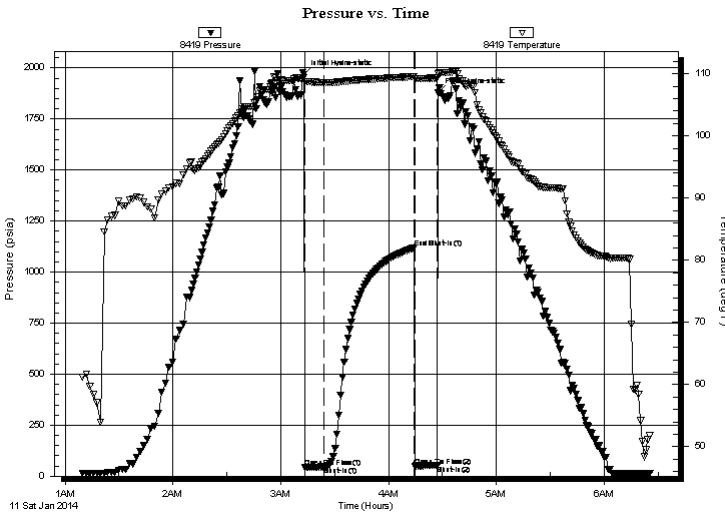
End Time: 06:25:17

Time On Btm: 2014.01.11 @ 03:12:47

Time Off Btm: 2014.01.11 @ 04:27:47

TEST COMMENT: 1st Opening 10 Minutes Very weak surface blow
1st Shut-In 45 Minutes-No blow back
2nd Opening 10 Minutes no blow for 10 minutes pulled the tool-

PRESSURE SUMMARY



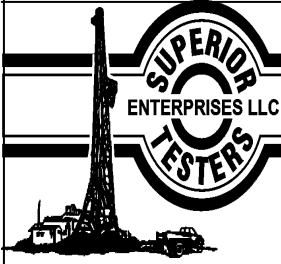
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1969.18 | 109.34 | Initial Hydro-static |
| 1 | 41.40 | 108.78 | Open To Flow (1) |
| 11 | 45.63 | 108.58 | Shut-In(1) |
| 62 | 1118.82 | 109.54 | End Shut-In(1) |
| 62 | 49.41 | 109.15 | Open To Flow (2) |
| 75 | 52.51 | 109.33 | Shut-In(2) |
| 75 | 1877.97 | 109.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17113

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.01.10 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3320

Interval: 3842.00 ft (KB) To 3863.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8405 Outside

Press@RunDepth: 1126.09 psia @ 3860.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.11

End Date: 2014.01.11

Last Calib.: 2014.01.11

Start Time: 01:18:31

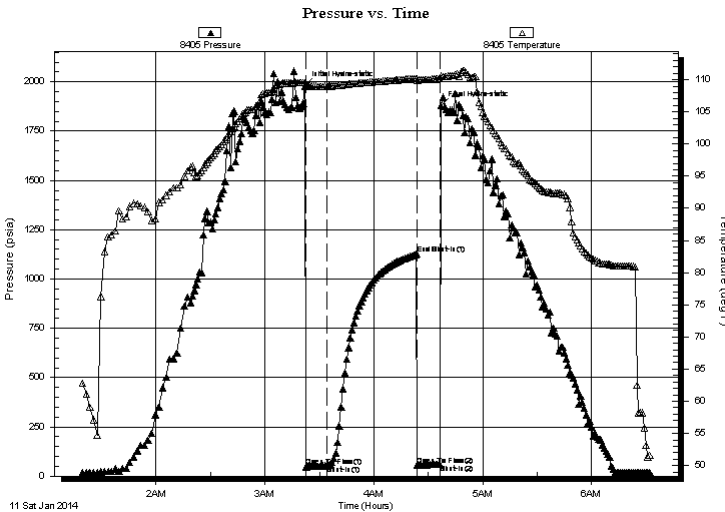
End Time: 06:32:31

Time On Btm: 2014.01.11 @ 03:22:01

Time Off Btm: 2014.01.11 @ 04:37:01

TEST COMMENT: 1st Opening 10 Minutes Very weak surface blow
1st Shut-In 45 Minutes-No blow back
2nd Opening 10 Minutes no blow for 10 minutes pulled the tool-

PRESSURE SUMMARY



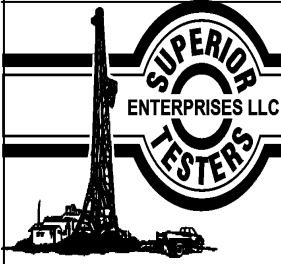
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1978.62 | 109.53 | Initial Hydro-static |
| 1 | 47.70 | 109.13 | Open To Flow (1) |
| 12 | 52.94 | 109.00 | Shut-In(1) |
| 62 | 1126.09 | 110.20 | End Shut-In(1) |
| 62 | 55.26 | 109.91 | Open To Flow (2) |
| 75 | 59.16 | 110.18 | Shut-In(2) |
| 75 | 1878.24 | 110.57 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17113

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.01.10 @ 00:00:00

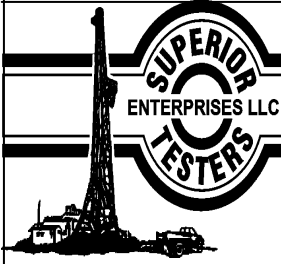
Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|----------|
| Drill Pipe: | Length: 3465.00 ft | Diameter: 3.80 inches | Volume: 48.60 bbl | Tool Weight: | 9.50 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: | 57.00 lb |
| Drill Collar: | Length: 373.00 ft | Diameter: 2.25 inches | Volume: 1.83 bbl | Weight to Pull Loose: | 75.00 lb |
| | | | <u>Total Volume: 50.43 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 24.00 ft | | | String Weight: Initial | 70.00 lb |
| Depth to Top Packer: | 3842.00 ft | | | Final | 70.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 21.00 ft | | | | |
| Tool Length: | 49.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments:

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

| | | | | | |
|---------------------------|--------------|------|---------|---------|-------------------------------|
| Shut-In Tool | 5.00 | | | 3819.00 | |
| Hydraulic Tool | 5.00 | | | 3824.00 | |
| Safety Joint | 2.00 | | | 3826.00 | |
| Jars | 6.00 | | | 3832.00 | |
| Packer | 5.00 | | | 3837.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3842.00 | |
| Anchor | 16.00 | | | 3858.00 | |
| Recorder | 1.00 | 8419 | Inside | 3859.00 | |
| Recorder | 1.00 | 8405 | Outside | 3860.00 | |
| Bullnose | 3.00 | | | 3863.00 | 21.00 Bottom Packers & Anchor |
| Total Tool Length: | 49.00 | | | | |



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17113

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.01.10 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 5.00 | Drilling Mud | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

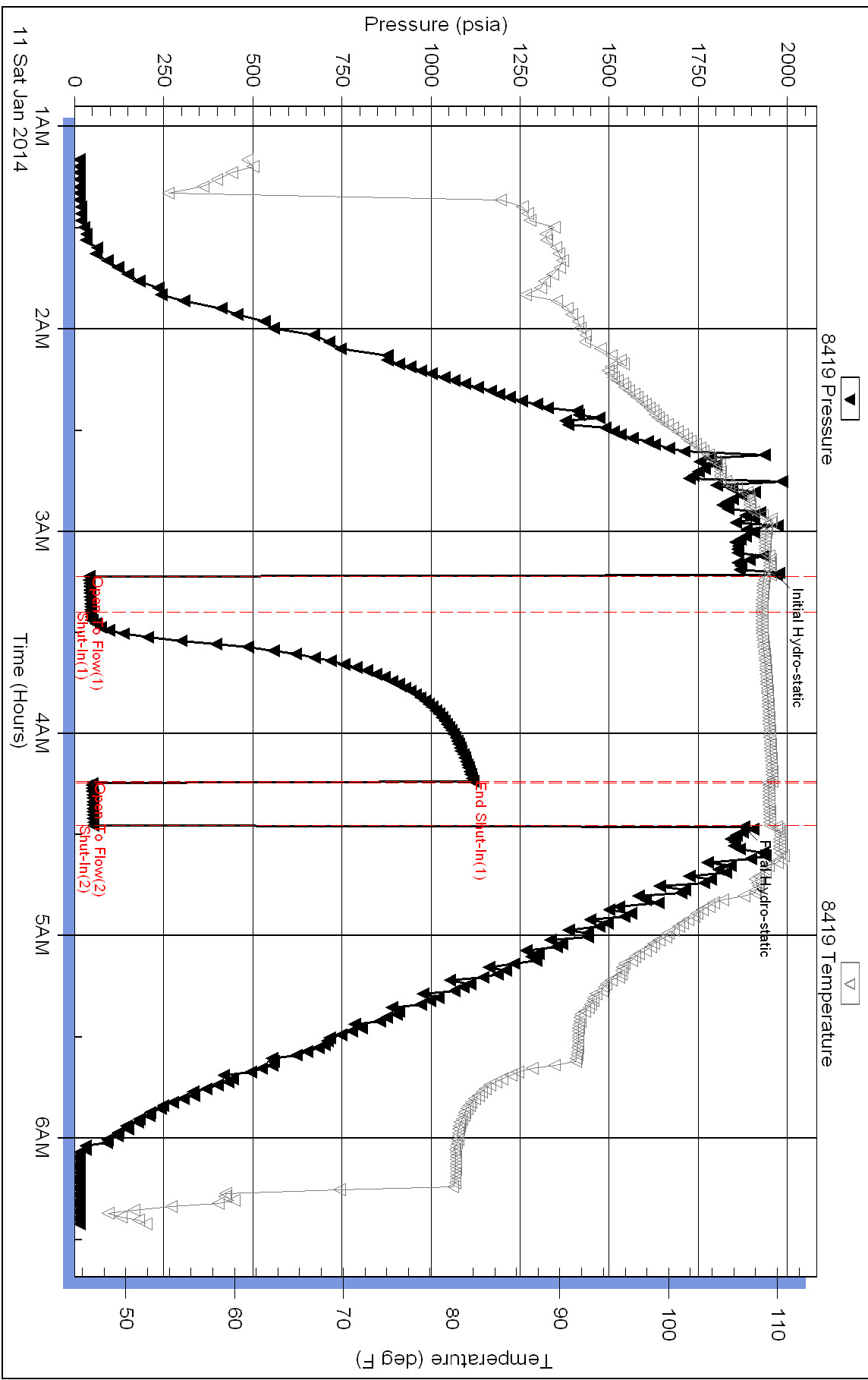
Serial #:

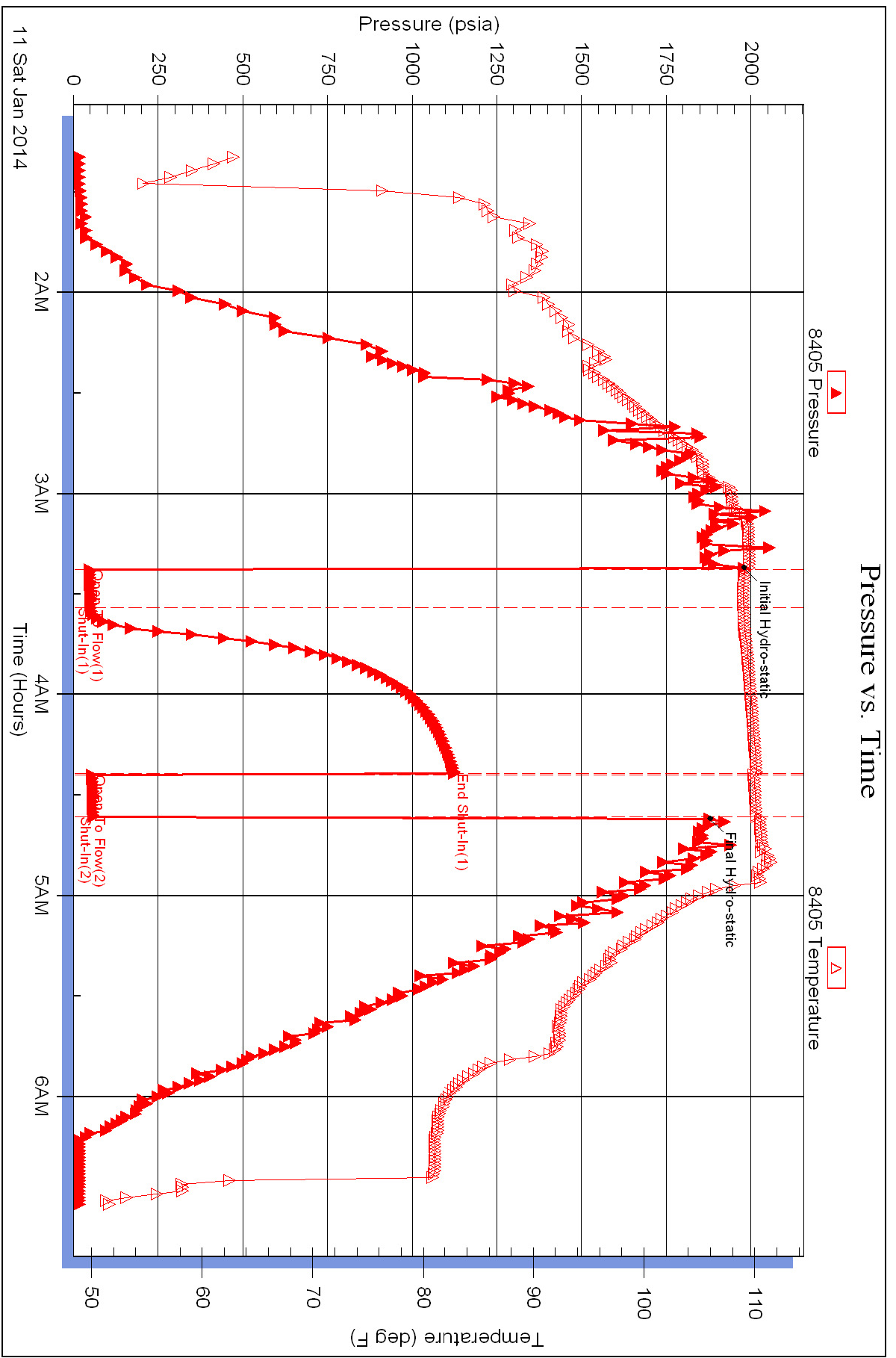
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

445 Union Building Suite 208Lakewood,
Colorado 80228

ATTN: Jeremy Schwartz

Fisher Farms #1-15

15-25s-14w Stafford

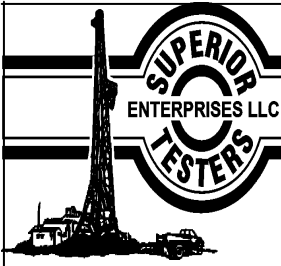
Start Date: 2014.01.12 @ 00:00:00

End Date: 2014.01.12 @ 00:00:00

Job Ticket #: 17114 DST #: 2

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

Printed: 2014.01.12 @ 07:31:59



DRILL STEM TEST REPORT

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17114

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.01.12 @ 00:00:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3320

Interval: 4090.00 ft (KB) To 4180.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8419 Inside

Press@RunDepth: 196.33 psia @ 4176.28 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.12 End Date: 2014.01.12

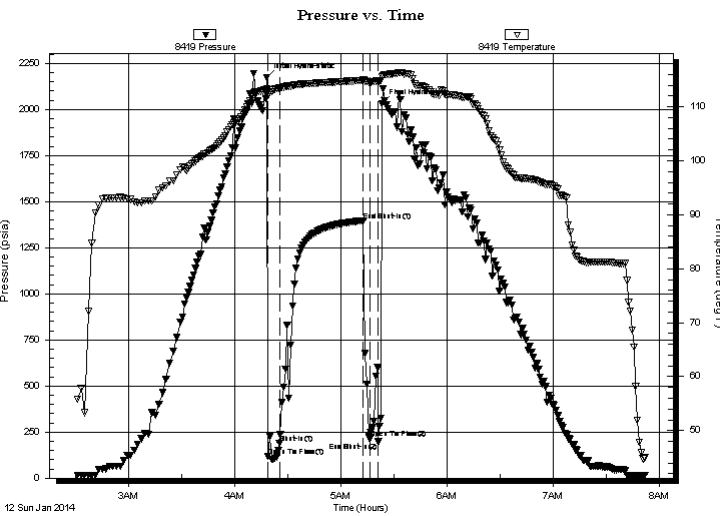
Last Calib.: 2014.01.12

Start Time: 02:30:00 End Time: 07:51:30

Time On Btm: 2014.01.12 @ 04:18:00

Time Off Btm: 2014.01.12 @ 05:23:00

TEST COMMENT: 1st Opening 10 Minutes-Weak surface blow for 10 minutes
1st Shut-In 45 Minutes no blow back
2nd Opening 10 Minutes-Weak blow for 6 minutes and died



PRESSURE SUMMARY

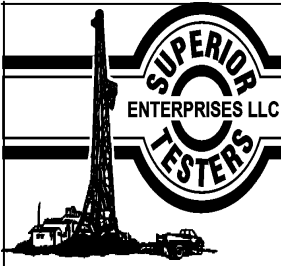
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2171.45 | 113.34 | Initial Hydro-static |
| 1 | 118.38 | 112.77 | Open To Flow (1) |
| 7 | 187.68 | 113.43 | Shut-In(1) |
| 55 | 1396.60 | 114.90 | End Shut-In(1) |
| 58 | 213.84 | 114.59 | Open To Flow (2) |
| 63 | 196.33 | 114.65 | End Shut-In(2) |
| 65 | 2030.03 | 115.51 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 120.00 | drilling mud | 0.59 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17114

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.01.12 @ 00:00:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3320

Interval: 4090.00 ft (KB) To 4180.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8405 Outside

Press@RunDepth: 1404.46 psia @ 4177.28 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.12 End Date: 2014.01.12

Last Calib.: 2014.01.12

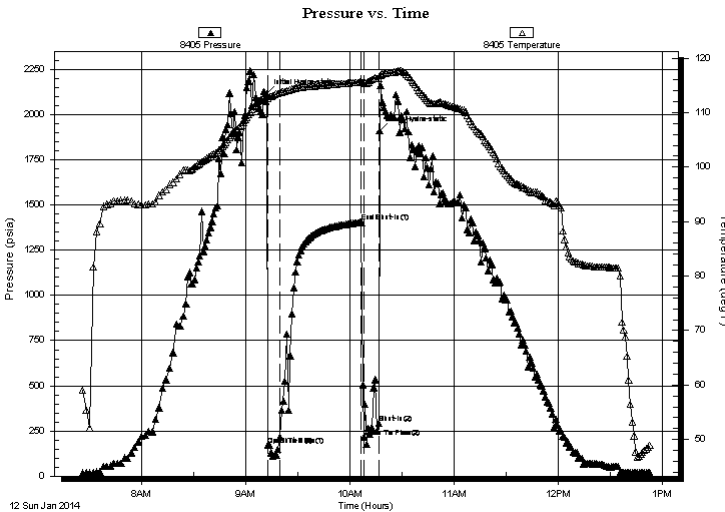
Start Time: 07:24:59 End Time: 12:52:29

Time On Btm: 2014.01.12 @ 09:11:59

Time Off Btm: 2014.01.12 @ 10:16:59

TEST COMMENT: 1st Opening 10 Minutes-Weak surface blow for 10 minutes
1st Shut-In 45 Minutes no blow back
2nd Opening 10 Minutes-Weak blow for 6 minutes and died

PRESSURE SUMMARY



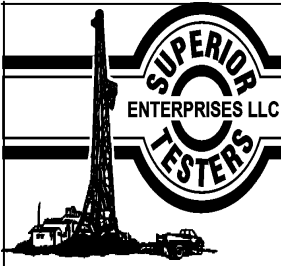
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2114.18 | 113.15 | Initial Hydro-static |
| 1 | 170.19 | 112.68 | Open To Flow (1) |
| 8 | 218.83 | 113.65 | Shut-In(1) |
| 55 | 1404.46 | 115.63 | End Shut-In(1) |
| 56 | 217.26 | 115.30 | Open To Flow (2) |
| 65 | 293.72 | 116.30 | Shut-In(2) |
| 65 | 1910.79 | 116.78 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 120.00 | drilling mud | 0.59 |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17114

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.01.12 @ 00:00:00

Tool Information

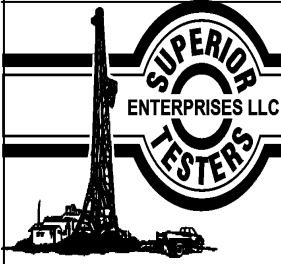
| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3714.00 ft | Diameter: 3.80 inches | Volume: 52.10 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.76 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 373.00 ft | Diameter: 2.25 inches | Volume: 1.83 bbl | Weight to Pull Loose: 84000.00 lb |
| | | | <u>Total Volume: 53.93 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 72000.00 lb |
| Depth to Top Packer: | 4090.00 ft | | | Final 72000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 90.28 ft | | | |
| Tool Length: | 118.28 ft | | | |
| Number of Packers: | 2 | Diameter: inches | | |

Tool Comments:

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

| | | | | | |
|-----------------|-------|------|---------|---------|-------------------------------|
| Shut-In Tool | 5.00 | | | 4067.00 | |
| Hydraulic Tool | 5.00 | | | 4072.00 | |
| Safety Joint | 2.00 | | | 4074.00 | |
| Jars | 6.00 | | | 4080.00 | |
| Packer | 5.00 | | | 4085.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4090.00 | |
| Anchor | 4.00 | | | 4094.00 | |
| Change Over Sub | 0.75 | | | 4094.75 | |
| Drill Pipe | 63.78 | | | 4158.53 | |
| Change Over Sub | 0.75 | | | 4159.28 | |
| Anchor | 16.00 | | | 4175.28 | |
| Recorder | 1.00 | 8419 | Inside | 4176.28 | |
| Recorder | 1.00 | 8405 | Outside | 4177.28 | |
| Bullnose | 3.00 | | | 4180.28 | 90.28 Bottom Packers & Anchor |

Total Tool Length: 118.28



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado
80228

Fisher Farms #1-15

Job Ticket: 17114

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.01.12 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 120.00 | dripping mud | 0.590 |

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

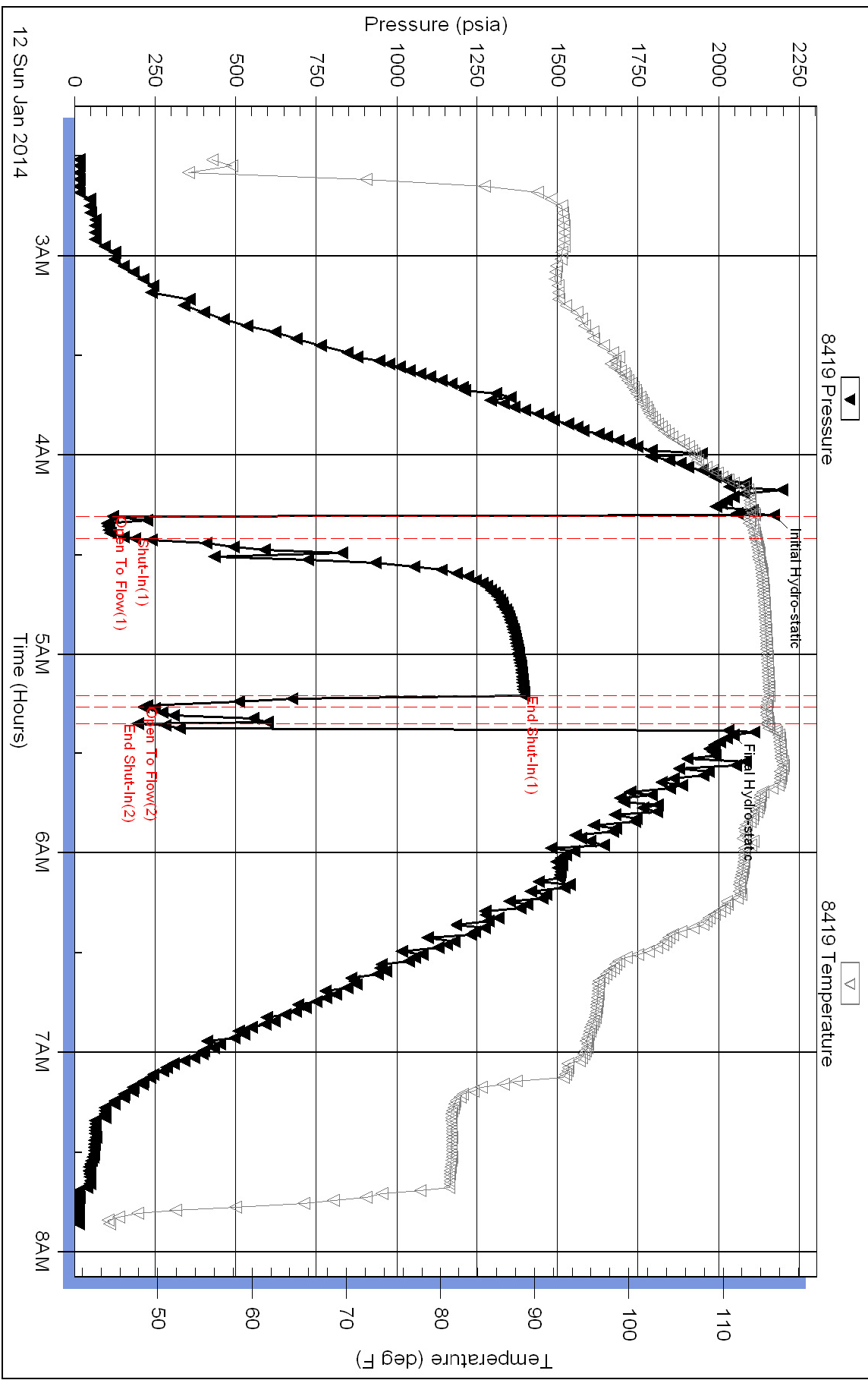
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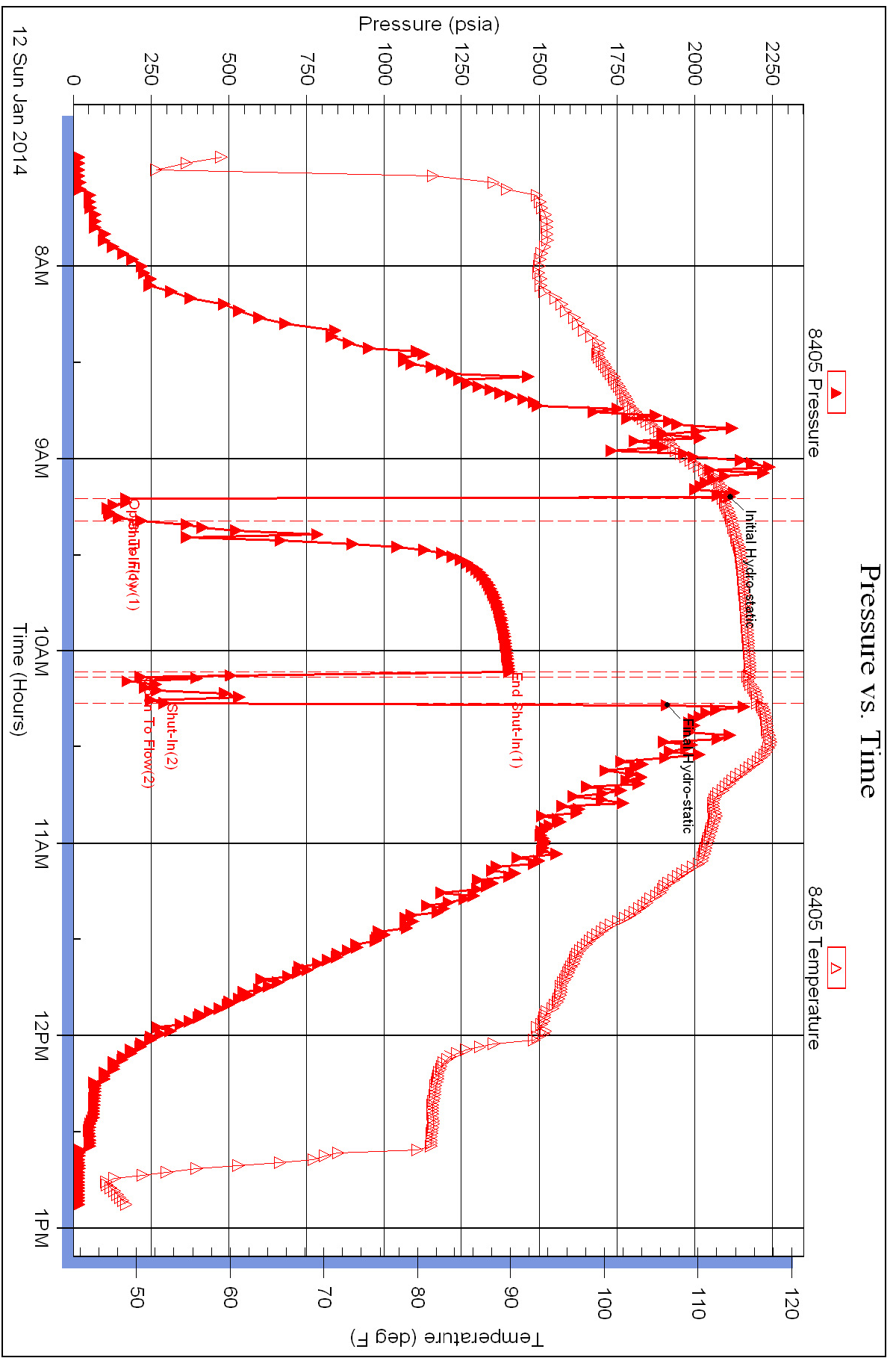
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







Scale 1:240 Imperial

Well Name: Fisher Farms #1-15
 Surface Location: 2304' FSL _1235' FEL Sec 15 - 25S- 14W
 Bottom Location:
 API: 15-185-23848-00-00
 License Number:
 Spud Date: 1/4/2014 Time: 1:30 PM
 Region: Stafford County
 Drilling Completed: 1/13/2014 Time: 3:55 PM
 Surface Coordinates: Y = 440252 & X = 1900967
 Bottom Hole Coordinates: Y = & X =
 Ground Elevation: 1966.00ft
 K.B. Elevation: 1979.00ft
 Logged Interval: 3100.00ft To: 4420.00ft
 Total Depth: 4420.00ft
 Formation: Mississippian Chert
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 445 Union Blvd, Suite 208
 Lakewood, CO 80228
 Contact Geologist: Janine Sturdavant
 Contact Phone Nbr: 303-907-2209 / 720-274-4682
 Well Name: Fisher Farms #1-15
 Location: 2304' FSL _1235' FEL Sec 15 - 25S- 14W API: 15-185-23848-00-00
 Pool: Field: Jordan
 State: Kansas Country: USA

LOGGED BY



Company: Shelby Resources, LLC
 Address: 445 UNION BLVD. Suite 208
 LAKEWOOD, CO. 80228
 Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources, LLC Fisher Farms #1-15 was drilled to a total depth of 4420', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Three DST's were conducted throughout the Lansing, Mississippian, and Viola zones. The DST reports can be found at the bottom of this log.

Due to the DST results, sample shows, gas kicks, and log analysis it was determined by all parties involved to plug and abandon the well. The dry samples were saved and will be available for further review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: N/S Co-ord: Y = 440252
 E/W Co-ord: X = 1900967

Latitude:

CONTRACTOR

Contractor: Sterling Drilling Co
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 1/4/2014
 TD Date: 1/13/2014
 Rig Release:
 Time: 1:30 PM
 Time: 3:55 PM
 Time:

ELEVATIONS

K.B. Elevation: 1979.00ft
 K.B. to Ground: 13.00ft
 Ground Elevation: 1966.00ft

| DATE | DEPTH | ACTIVITY |
|----------------------------|-------|--|
| Thursday, January 09, 2014 | 3225' | Geologist Jeremy Schwartz on location @ 1130 hrs, DRLG ahead through Heebner, Toronto, Douglas Shale, Brown Lime, Strap out, Drop Survey, Bit Trip, swap out PDC |
| | 3685' | for traditional Tri-Cone Button bit |
| Friday, January 10, 2014 | 3685' | DRLG Ahead through Lansing Kansas City, stop to CFS in "B" zone due to gas kick, DRLG ahead through LKC, CFS in LKC "H", Show/gas kick warrants test, OOH for |
| | 3863' | short trip, CTCH 1hour, then OOH to conduct DST #1 |
| Saturday, January 11, 2014 | 3863' | DRLG ahead through LKC "J", BKC, Marmaton, Mississippian, Conduct DST #2 in Miss. |
| Sunday, January 12, 2014 | 4180' | DRLG ahead through Viola, Conduct DST #3 in Viola |
| Monday, January 13, 2014 | 4280' | DRLG ahead through Simpson Shale, Arbuckle, No shows in ARB, DRLG ahead to |
| | 4420' | TD @ 4420', TD reached @ 1535hrs, Conduct Logging Operations |
| Tuesday, January 14, 2014 | 4420' | Logging Operations complete @ 0245hrs |
| | | Geologist Jeremy Schwartz off location @ 0330hrs |

| | |
|------------------|----------------------------------|
| CLIENT: | SHELBY RESOURCES, LLC |
| WELL NAME: | FISHER FARMS #1-15 |
| LEGAL: | 2304' PSL & 1236' FEL 15-25S-14W |
| COUNTY: | STAFFORD COUNTY, KS |
| API : | 15-185-23848-00-00 |
| DRLG CONTRACTOR: | STERLING DRILLING CO. |
| RIG #: | 5 |
| DOGHOUSE #: | 620-388-5433 |
| TOOLPUSHER: | ALAN LOFTIS |
| CELL #: | 620-388-2736 |

| | | D&A | | | | ● | | | | ● | | | | | | | | | | | | |
|---------------|-------|--------------------|-------|-------------|-------|-----------------------|-------|-------|-------|------------------------|-------|------------|-------|------------------------|-------|-------|------|-------|---|-----|---|-----|
| | | J.A. ALLISON | | | | SHELBY RESOURCES, LLC | | | | SHELBY RESOURCES, LLC | | | | | | | | | | | | |
| | | FISHER FARMS #1-15 | | | | FOX #1 | | | | FISHER #1-15 | | | | FISHER #2-15 | | | | | | | | |
| | | SW-NW-NE-SE | | | | SW-SE-NE 15-25S-14W | | | | SW-NW-SE-NE 15-25S-14W | | | | NW-NE-SE-NE 15-25S-14W | | | | | | | | |
| | | KB | | 1979 | | KB | | 1978 | | KB | | 1974 | | KB | | 1974 | | | | | | |
| | | LOG TOPS | | SAMPLE TOPS | | COMP. CARD | | LOG | | SMPL. | | COMP. CARD | | LOG | | SMPL. | | | | | | |
| FORMATION | DEPTH | DATUM | DEPTH | DATUM | DEPTH | DATUM | CORR. | CORR. | DEPTH | DATUM | CORR. | CORR. | DEPTH | DATUM | CORR. | CORR. | | | | | | |
| ANHYDRITE TOP | 883 | 1096 | 883 | 1096 | 871 | 1107 | - | 11 | - | 11 | - | 16 | - | 16 | 870 | 1104 | - | 8 | - | 8 | | |
| BASE | 900 | 1079 | 893 | 1086 | 890 | 1088 | - | 9 | - | 2 | | | | | | | | | | | | |
| HEEBNER SHALE | 3530 | -1551 | 3530 | -1551 | 3499 | -1521 | - | 30 | - | 30 | 3494 | -1520 | - | 31 | - | 31 | 3494 | -1520 | - | 31 | - | 31 |
| TORONTO | 3552 | -1573 | 3554 | -1575 | 3522 | -1544 | - | 29 | - | 31 | 3514 | -1540 | - | 33 | - | 35 | 3512 | -1538 | - | 35 | - | 37 |
| DOUGLAS SHALE | 3574 | -1595 | 3573 | -1594 | 3543 | -1565 | - | 30 | - | 29 | 3532 | -1558 | - | 37 | - | 36 | 3534 | -1560 | - | 35 | - | 34 |
| BROWN LIME | 3682 | -1703 | 3680 | -1701 | 3650 | -1672 | - | 31 | - | 29 | 3642 | -1668 | - | 35 | - | 33 | 3642 | -1668 | - | 35 | - | 33 |
| LKC | 3708 | -1729 | 3708 | -1729 | 3677 | -1699 | - | 30 | - | 30 | 3670 | -1696 | - | 33 | - | 33 | 3664 | -1690 | - | 39 | - | 39 |
| LKC B | 3734 | -1755 | 3734 | -1755 | 3702 | -1724 | - | 31 | - | 31 | 3691 | -1717 | - | 38 | - | 38 | 3690 | -1716 | - | 39 | - | 39 |
| LKC H | 3848 | -1869 | 3846 | -1867 | 3814 | -1836 | - | 33 | - | 31 | 3802 | -1828 | - | 41 | - | 39 | 3806 | -1832 | - | 37 | - | 35 |
| LKC J | 3887 | -1908 | 3884 | -1905 | 3852 | -1874 | - | 34 | - | 31 | 3839 | -1865 | - | 43 | - | 40 | | | | | | |
| BKC | 4012 | -2033 | 4015 | -2036 | 3976 | -1998 | - | 35 | - | 38 | 3962 | -1988 | - | 45 | - | 48 | 3966 | -1992 | - | 41 | - | 44 |
| MARMATON | 4034 | -2055 | 4032 | -2053 | 4008 | -2030 | - | 25 | - | 23 | 3982 | -2008 | - | 47 | - | 45 | 3982 | -2008 | - | 47 | - | 45 |
| MISSISSIPPIAN | 4134 | -2155 | 4134 | -2155 | 4078 | -2100 | - | 55 | - | 55 | 4064 | -2090 | - | 65 | - | 65 | 4059 | -2085 | - | 70 | - | 70 |
| VIOLA | 4220 | -2241 | 4225 | -2246 | 4167 | -2189 | - | 52 | - | 57 | 4154 | -2180 | - | 61 | - | 66 | 4141 | -2167 | - | 74 | - | 79 |
| SIMPSON SHALE | 4284 | -2305 | 4282 | -2303 | 4232 | -2254 | - | 51 | - | 49 | 4223 | -2249 | - | 56 | - | 54 | | | | | | |
| SIMPSON SAND | 4290 | -2311 | | | | | | | | | 4231 | -2257 | - | 54 | | | | | | | | |
| ARBUCKLE | 4329 | -2350 | 4330 | -2351 | 4272 | -2294 | - | 56 | - | 57 | 4257 | -2283 | - | 67 | - | 68 | | | | | | |
| RTD | | | 4420 | -2441 | 4295 | -2317 | - | | - | 124 | 4325 | -2351 | - | | - | 90 | 4200 | -2226 | - | | - | 215 |
| LTD | 4421 | -2442 | | | 4290 | -2312 | - | 130 | | | 4326 | -2352 | - | 90 | | | 4203 | -2229 | - | 213 | | |

| PROGNOSIS | | TESTED | | | | TESTED | | | | TESTED | | | | |
|---------------|------|--------|-----------------------------|--|--|--------|----------------------------|--|--|--------|--------------------------------|--|--|--|
| ANHYDRITE TOP | 879 | 1100 | DST #1 (3695-3775) LKC A-F | | | | DST #1 (3672-3755) LKC A-F | | | | DST #1 (3724-3752) LKC F | | | |
| HEEBNER SHALE | 3548 | -1569 | 30-45-60-60 | | | | 10-45-60-90 | | | | 10-45-45-90 | | | |
| LANSING | 3724 | -1745 | 120' SGCM w/slight show Oil | | | | IF: Strong blow BOB 1.5Min | | | | IF: Strong blow BOB 1Min 10Sec | | | |
| MISS. CHERT | 4129 | -2150 | 300' SW | | | | FF: Fair blow BOB 10Min | | | | BB 4" | | | |
| | | | SIP: 1220# - 1199# | | | | Weak surface BR | | | | FF: Strong Blow BOB <1Min | | | |

| | | |
|----------|------|-------|
| ARBUCKLE | 4349 | -2370 |
| RTD | 4420 | -2441 |

DST #2 (3810-3830) LKC H
30-45-30-60
420' GIP
90' GCM w/slight show Oil
SIP: 137# - 148#

DST #3 (3830-3876) LKC I-J
30-45-45-60
150' M w/slight show Oil
SIP: 1115# - 1105#

DST #4 (4053-4074) Miss
30-45-60-90
30'M
SIP: 275# - 339#

DST #5 (4074-4094) Miss
30-45-30-45
MISRUN

DST #6 (4087-4104)
30-45-45-60
GTS in FSI
185' O&GCM (60%M, 20%O, 20%G)
SIP: 690# - 466#

795' GIP, 35'M, 60'M w/slight trace Oil
65' GSOCM, 65' GSOWCM
SIP: 1116# - 1101#

DST #2 (3793-3816) LKC H
10-45-60-142
IF: Strong blow BOB 30Sec
BB BOB
FF: Strong blow BOB Instantly, GTS 6Min
Weak surface BB built to 9'
3520' GIP, 35'O, 30'MCO, 125'HOCM
60' GSMCO
SIP: 1030# - 1023#

DST #3 (3822-3865) LKC I-J
10-45-60-150
IF: Strong blow BOB 30Sec
Weak surface BB
FF: Strong blow BOB Instantly, GTS 4Min
*Never completely bled off, after 33Min,
surface BB built to BOB 5Min
3385' GIP, 80'O, 20'GVSMCO,
65'GVSMCO, 190'GSWSMCO,
60' GSOSMCW
SIP: 1146# - 1135#

GTS 22Min
20' GOCM (93%M, 6%G, 1%O)
120' GW & HOCM
245' O & MCW
SIP: 1142# - 1131#

DST #2 (3800-3816) LKC H
10-45-45-90
IF: Weak blow built to BOB 3Min
FF: Strong blow BOB Instantly
1565' GIP, 55' GSOCM
SIP: 891# - 964#

DST #3 (3834-3865) LKC J
10-45-60-90
IF: Weak blow built to BOB 35Min
Very weak surface BB
FF: Weak blow built to BOB 7Min
Weak surface BB built to 4In
1015' GIP, 75' GHOWCM,
175'SMCW w/slight trace oil, 10'M

DST #4 (3878-3900) LKC K
10-45-45-90
IF: Strong blow BOB 45Sec
FF: Strong Blow BOB Instantly
GTS 26Min
3660' GIP, 1'O, 10'O'CM, 60'GSOCM,
60' MCO, 65'VSMCO
SIP: 932# - 947#

DST #5 (4040-4082) Miss
10-45-70-90
IF: Strong blow BOB Instantly
GTS 2Min
FF: Strong blow BOB Instantly
GTS Instantly (weak surface BB after bled)
3865' GIP, 150'M
SIP: 1309# - 1279#

ROCK TYPES



ACCESSORIES

- FOSSIL**
 ^ Bioclastic or Fragmental
 F Fossils < 20%
- STRINGER**
 ~ Chert
 ▨ Dolomite
 ▨ Limestone
 ▨ Sandstone
 ▨ Siltstone
 ▨ Shale
 ▨ green shale
 ▨ red shale

- TEXTURE**
 C Chalky

OTHER SYMBOLS

- MISC**
 DR Daily Report
 Digital Photo
 Document
 Folder
 Link
 Vertical Log File
 Horizontal Log File
 Core Log File
 Drill Cuttings Rpt
- Oil Show**
 ● Good Show
 ● Fair Show
 ● Poor show
 ● Spotted or Trace
 ● Questionable Stn
 D Dead Oil Stn
 ■ Fluorescence
 * Gas
- DST**
 ■ DST Int
 ■ DST alt



Depth
DST

Lithol

OIL ST

Geological Descriptions

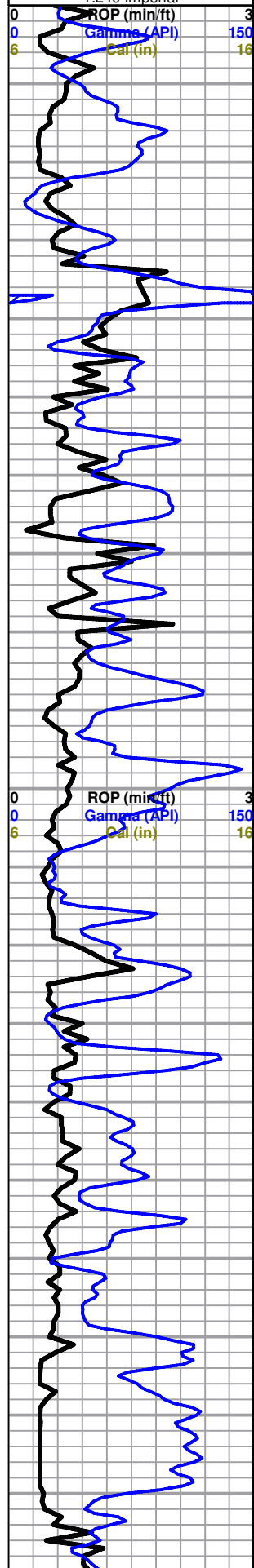
C4 (units)

—

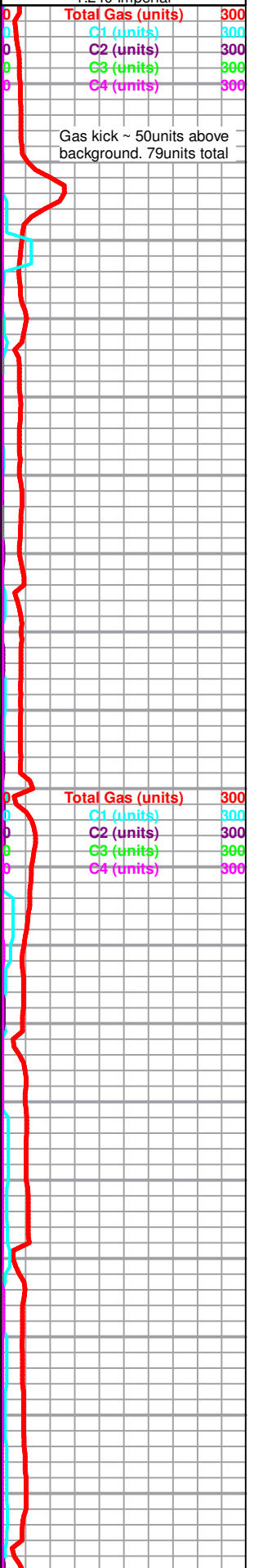
Cored Interval
DST Interval

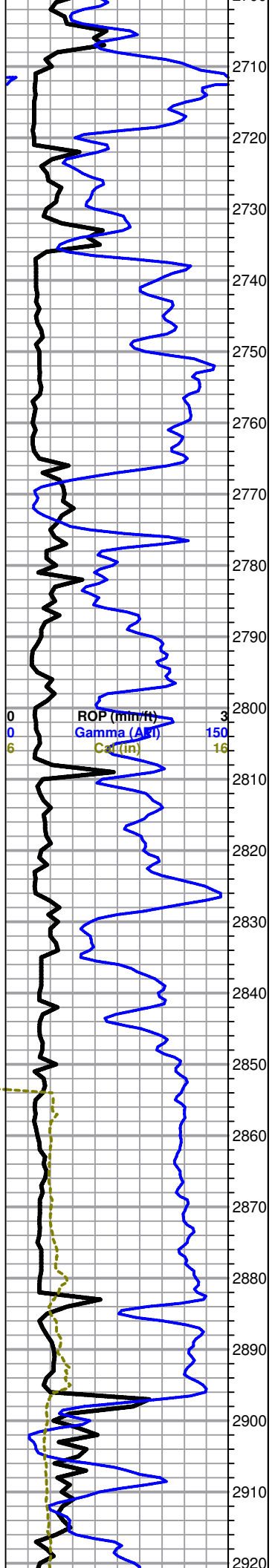
1:240 Imperial

1:240 Imperial



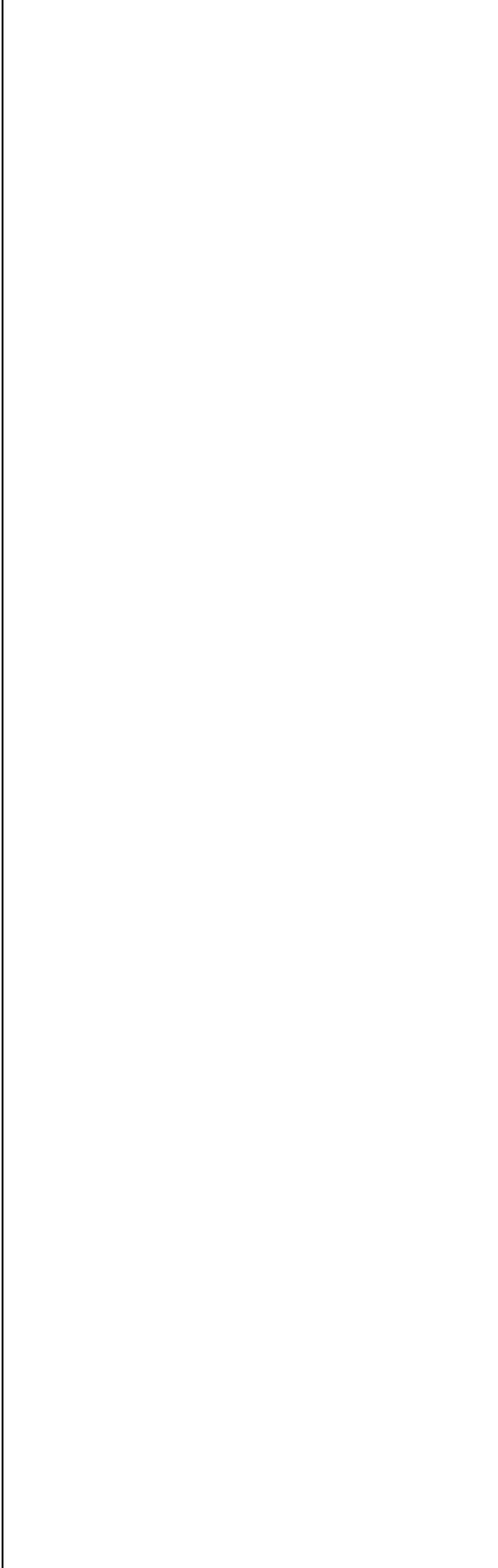
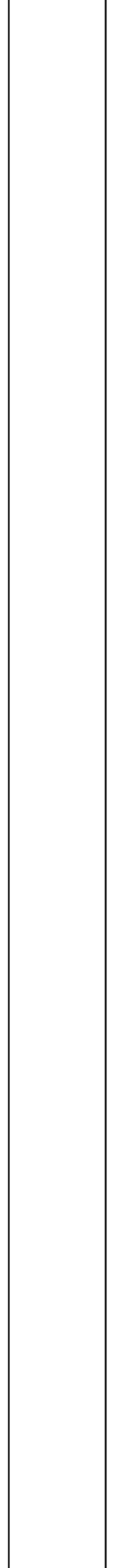
Logged By Jeremy Schwartz





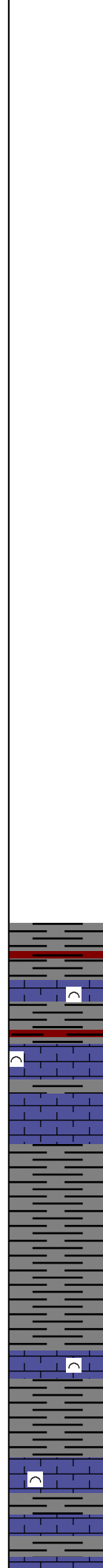
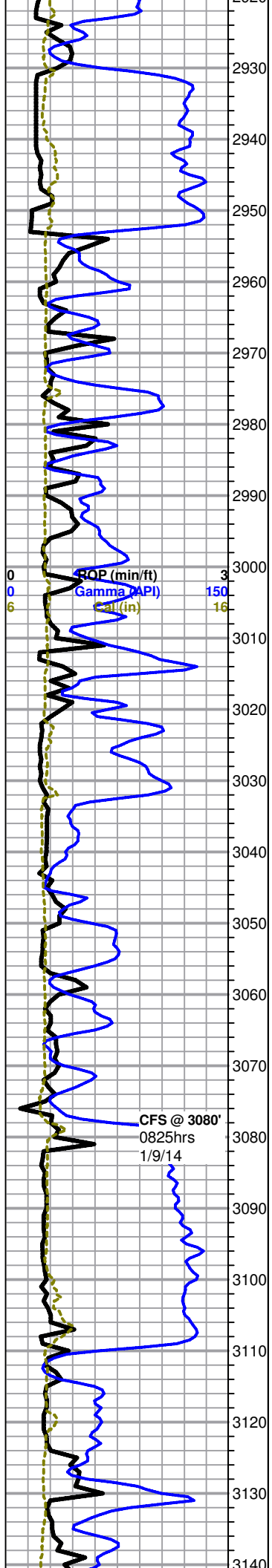
| | |
|--------------|-----|
| ROP (min/ft) | 3 |
| Gamma (API) | 150 |
| Cn (in) | 16 |

0 6



| | |
|-------------------|-----|
| Total Gas (units) | 300 |
| C1 (units) | 300 |
| C2 (units) | 300 |
| C3 (units) | 300 |
| C4 (units) | 300 |

0 0 0 0



Tarkio 2953 (-974)

Mud-Co Mud chk
 3000'
 1/9/14
 Vis: 71 Wt: 8.8
 PV:17 YP:22
 WL: 8.8
 Cake:1/32
 pH: 10.5
 Ca: 80
 CHL: 3,000ppm
 Sol: 3.4 LCM: 2
 DMC: \$3,808.35
 CMC: \$8,338.30

| | |
|-------------------|-----|
| Total Gas (units) | 300 |
| C1 (units) | 300 |
| C2 (units) | 300 |
| C3 (units) | 300 |
| C4 (units) | 300 |

Gas kick in
 BERN
 Formation.

Bern 3032 (-1053)

Mostly gray shale with trace red, mostly soft sand waxy, also with some LS, tan to gray, micro-xln, fossiliferous, hard and dense with poor visible porosity, no shows or odor

20" As above, no shows or odor noted

40" Mostly gray shale as above, with some LS, tan to gray, fossiliferous, some with very scattered very fine pinpoint porosity, no shows or odor

60" As above with shales dropping out, mostly cream to gray LS with poor visible porosity and no show or odor

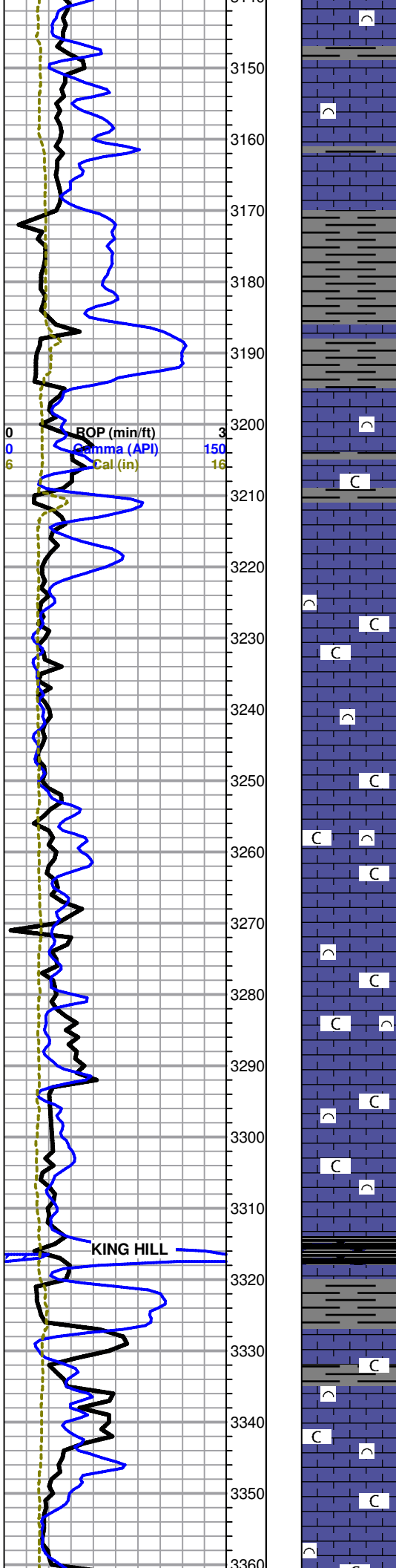
Scranton Shale 3081 (-1102)

Shale, gray, soft and waxy

Howard 3110 (-1131)

Mostly gray shale as above, with some scattered cream to gray and light brown LS, micro-xln, fossiliferous, hard and dense with poor visible porosity

Mostly gray shale with some scattered mixed LS as above



LS, cream to gray with some scattered light brown, micro-xln, fossiliferous, some soft and brittle, some hard and dense, overall poor visible porosity, with some gray shale, no shows or odor

As above

Severy Shale 3188 (-1209)

Topeka 3194 (-1215)

LS, cream to gray, micro-xln, fossiliferous, some soft and chalky, some hard and dense with poor visible porosity, slightly chalky, no shows or odor

LS as above, chalky, no shows or odor

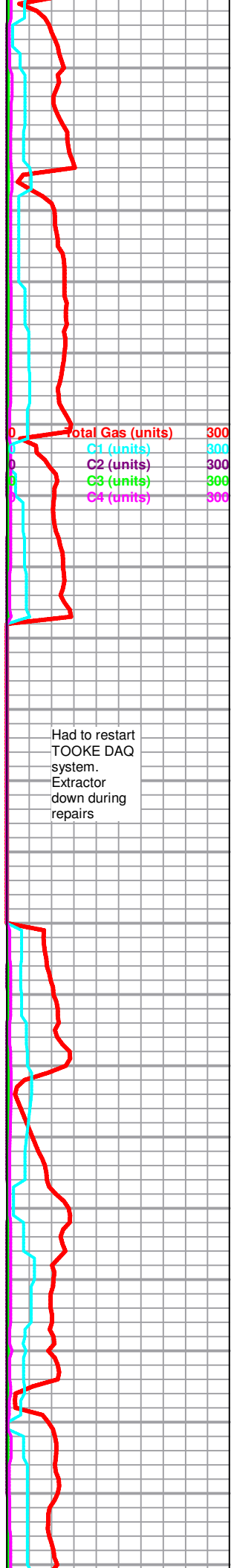
LS, gray to tan with some scattered white, micro-xln, fossiliferous, mostly soft and chalky with some hard and dense, some with scattered development and poor to fair scattered pinpoint porosity, very chalky, no shows or odor

LS as above, also with some very scattered brown, micro-xln, fossiliferous, hard and dense, chalky, no shows or odor

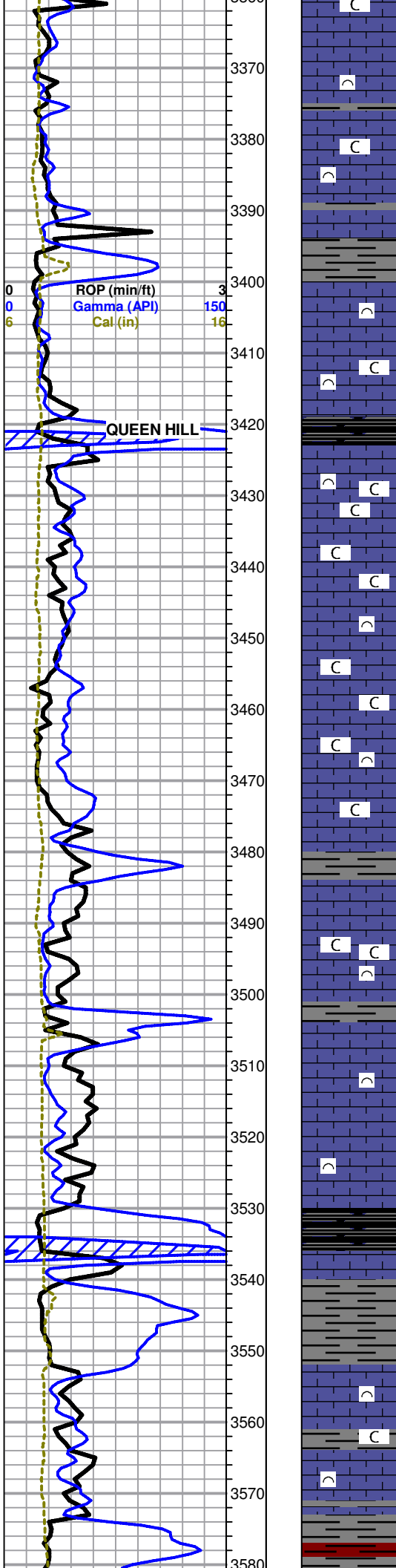
LS, gray to tan with some cream, micro-xln, fossiliferous, mostly soft and brittle with some soft and chalky, some scattered hard and dense, some with scattered poor to fair pinpoint porosity, chalky, no shows or odor

LS, gray to cream, micro-xln, fossiliferous, mostly soft and brittle, some with scattered very fine pinpoint porosity, also with trace black carbonaceous shale, chalky, no shows or odor

As above



Had to restart TOOKE DAQ system. Extractor down during repairs



LS, gray to cream, micro-xln, fossiliferous, mostly soft and brittle, some with scattered very fine pinpoint porosity, slightly chalky, no shows or odor

LS as above, slightly chalky, no shows or odor

LS, gray to cream, micro-xln, fossiliferous, some soft and brittle with scattered very fine pinpoint porosity, some soft and chalky, also with some scattered brown, hard and dense, slightly chalky, no shows or odor

LS, gray to cream, micro-xln, fossiliferous, soft and chalky, some with very scattered very fine pinpoint porosity, also with trace black shale, carbonaceous, very chalky, no shows or odor

LS, cream to white with some scattered gray, micro-xln, mostly soft and chalky, some with very scattered very fine pinpoint porosity, very chalky, no shows or odor

As above

LS, cream to white with some gray, micro-xln, fossiliferous, mostly soft and chalky, some with very scattered very fine pinpoint porosity, very chalky, no shows or odor

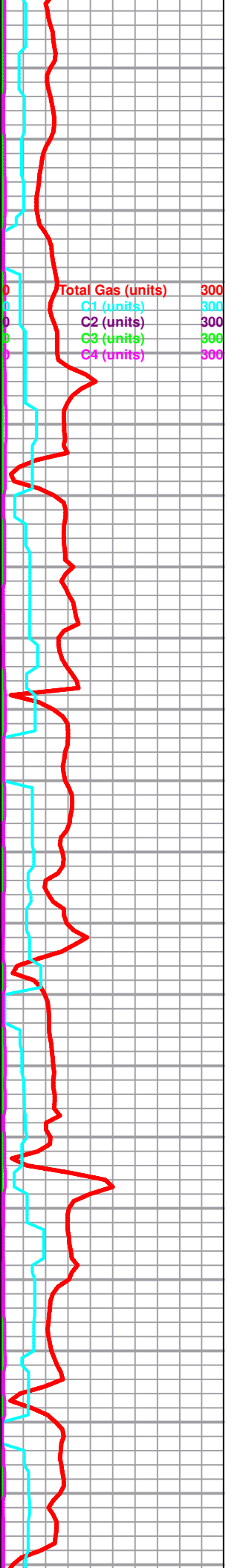
LS, cream to white with some scattered light gray and light brown, micro-xln, fossiliferous, some soft and brittle, some hard and dense, some with very scattered very fine pinpoint porosity, no shows or odor

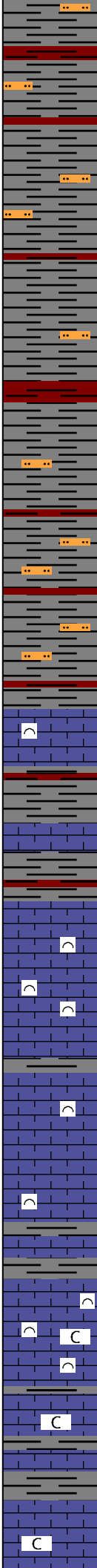
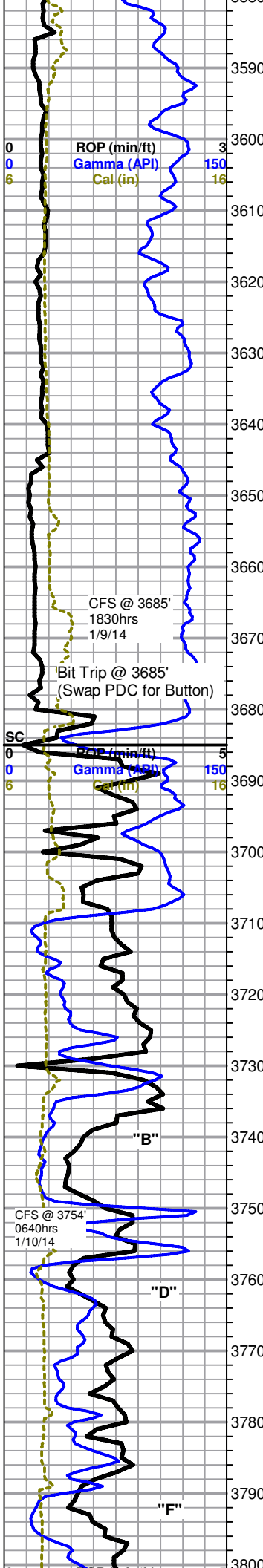
Heebner 3530 (-1551)
Shale, black carbonaceous

Toronto 3554 (-1575)

LS, cream to white with some scattered gray, micro-xln, fossiliferous, mostly soft and chalky, no shows or odor

Douglas Shale 3573 (-1594)
Shale, mostly gray with some red, mostly soft and waxy, some gray silty, no shows or odor





Shale as above, mostly gray salt and pepper with trace red, silty

As above, slightly less silty

Shale, mostly gray, soft and waxy with some scattered blocky and dense, abundant salt and pepper siltstone, no shows, odor, or fluorescence

As above

Brown Lime 3680 (-1701)

LS, light brown, micro-xln with some scattered crypto-xln, some fossiliferous, hard and dense with no visible porosity, no shows or odor

Shale, mostly gray with some scattered red, soft and waxy to blocky and dense

Lansing 3708 (-1729)

LS, cream with some scattered gray, micro-xln, very fossiliferous, mostly hard and dense with no visible porosity, shows, or odor

LS, cream to white with some scattered gray, micro-xln, fossiliferous, dense with poor visible porosity, no shows or odor

3754 30" LS, cream to light gray with some scattered white, micro-xln, some fossiliferous, some slightly chalky, few chips with fair visible pinpoint porosity and slightly wuggy edges, very scattered very light golden brown edge stain (visible when samples dried out), dull fluorescence, very weak to no cut, few chips have very slight show gas bubbles coming from porosity, poor odor

60" LS as above, no visible stain, poor odor

LS, cream to white with some scattered gray, micro-xln, fossiliferous, mostly poor visible porosity, slightly chalky, no odor or shows

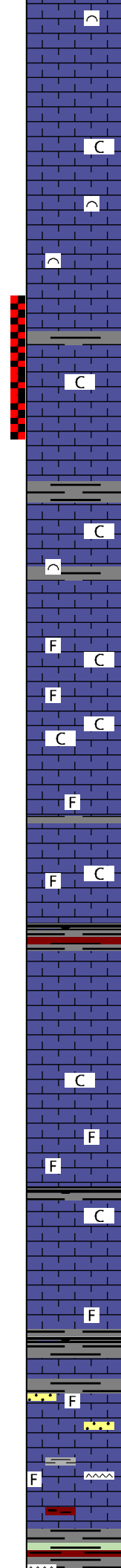
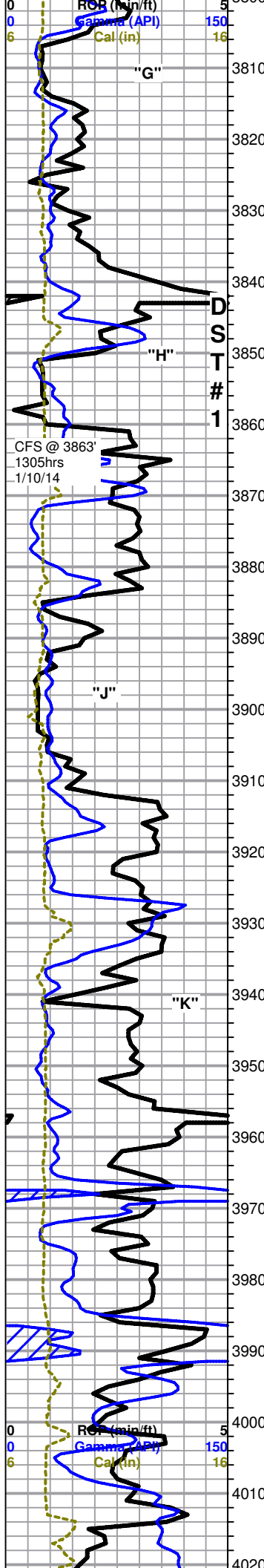
LS, cream to gray with some scattered brown, micro-xln, fossiliferous, mostly dense with poor visible porosity, slightly chalky, no shows or odor

LS as above, poor visible porosity, slightly chalky, no shows or odor

Total Gas (units) 300
C1 (units) 300
C2 (units) 300
C3 (units) 300
C4 (units) 300

Survey = 1Degree
Strap Even with
Board @ 3685'

Mud-Co Mud chk
3723'
1/10/14
Vis: 57 Wt: 9.5
PV:16 YP:18
WL: 10.8
Cake:1/32
pH: 9.0
Ca: 160
CHL: 8,000ppm
Sol: 7.5 LCM: Tr
DMC: \$727.05
CMC: \$9,065.35



LS, cream, micro-xln, oolitic to sub-oomoldic, dense, few chips with fair oomoldic porosity, barren, no shows or odor

LS, cream, micro-xln, mostly oolitic with some scattered sub-oomoldic, dense with mostly poor visible porosity, less oomoldic with fair porosity as above, barren, slightly chalky, no shows or odor

LS, cream with some scattered gray, micro-xln, some scattered fossiliferous, mostly dense with poor visible porosity, trace oolitic to sub-oomoldic as above, no shows or odor

Fisher Farms 1-15 DST#1.jpg

3863 30" LS, cream to gray, micro-xln, oomoldic to sub-oomoldic, mostly barren and dense with poor visible porosity, some with fair to good oomoldic porosity and scattered wet black stain in voids, few chips with very scattered brown to black stain in matrix as well, upon break few chips show good inter-xln porosity and partly to mostly saturated stain in matrix, one chip slowly bleeding tiny gas bubbles when left under lamp, slow streaming cut with dull milky white fluorescence, SSFO in tray, slightly chalky, fair fleeting odor

60" LS, cream to gray, micro-xln, sub-oomoldic to oomoldic, mostly barren and dense with poor visible porosity, some very scattered oomoldic with scattered black stain in voids as above, overall noticeably less shows, SSFO, poor odor

LS, cream to white, micro-xln, fossiliferous, mostly dense with poor visible porosity, some soft and chalky, no shows or odor

As above

LS, cream to white with some scattered gray, micro-xln, mostly soft and chalky, lithographic, some fossiliferous, dense with poor visible porosity, slightly chalky sample, no shows or odor

LS, cream to light gray, micro-xln, some fossiliferous, some oolitic to sub-oomoldic with poor visible porosity, dense, also with abundant chalk, no shows or odor

As above, with more oomoldic, some scattered with fair oomold porosity, barren, no shows or odor

LS, cream to light gray, micro-xln, some fossiliferous, some scattered oomoldic as above, also with some lithographic, dense with poor visible porosity, slightly chalky, no shows or odor

LS as above, also with some scattered gray shale and trace red and black carbonaceous, no shows or odor

LS, cream to light gray, crypto-micro xln, mostly lithographic and dense with poor visible porosity, also with some scattered oolitic to sub-oomoldic with poor visible porosity, no shows or odor

As above, slightly chalky, no shows or odor

LS, cream to light gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered fossiliferous, found a couple chips with slight edge pinpoint porosity and slight black stain on edge, very weak cut, slightly chalky, NSFO, poor odor

LS as above, very scattered edge pinpoint porosity and black edge stain in few chips, also with trace gray and black carbonaceous shale, NSFO, poor odor

LS, cream to light gray, micro-xln with some scattered crypto-xln, mix of lithographic and slightly fossiliferous, dense with poor visible porosity, slightly chalky, also with trace gray and black carbonaceous shale as above, no shows or odor

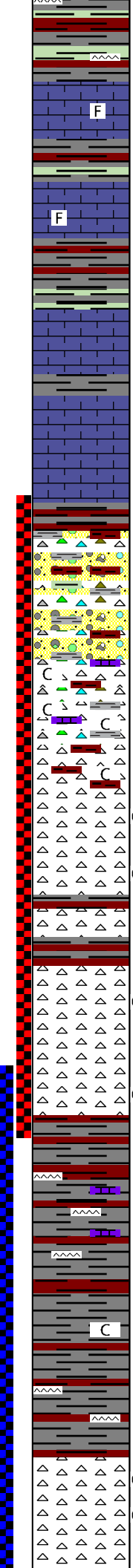
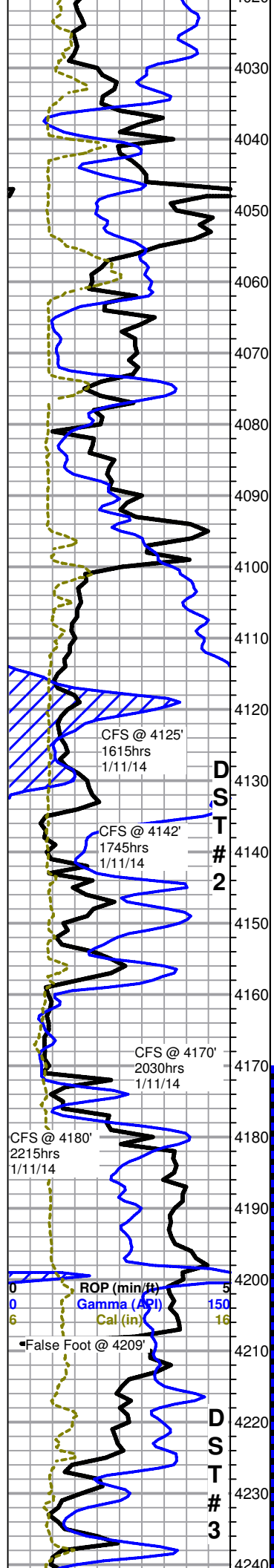
LS, cream, micro-xln, mostly lithographic with some scattered fossiliferous, dense with poor visible porosity, also with some scattered SS, gray, vf-grained, sub-rounded, barren, trace tan to brown chert, no shows or odor

As above, also with some scattered gray and red shale and tan to brown chert, no shows or odor

BKC 4015 (-2036)

Mixed cream and light gray LS, micro-xln, dense with poor visible porosity,





As above, abundant gray to green and red shales, with some scattered tan to brown chert, red wash, no shows or odor

Marmaton 4032 (-2053)

LS, cream to light gray with some scattered light brown, micro-crypto xln, mostly lithographic and dense with some scattered slightly fossiliferous, poor visible porosity, also with some scattered gray to green and red shale, no shows or odor

LS as above with influx of gray, green, and red shale, also with some scattered tan to brown chert

LS, cream to light gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, also with trace red and gray shale and brown and orange chert, no shows or odor

LS, cream to light gray, micro-xln, mostly lithographic and dense with poor visible porosity, no shows or odor

sample LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, also with abundant gray to green and red shale and trace orange chert, red wash, no shows or odor

As above, with slight influx of gray to green and red shale and brown and orange cherts, chalky, red wash, no shows or odor

4125 30" Chert, mostly gray to pale green with some tan and trace orange, weathered and brittle with no visible porosity, also with gray and red shale and some scattered cream LS, chalky, no shows or odor

60" Chert, mostly gray and weathered as above, some fossiliferous, no visible porosity, also with mixed gray and red shale and trace cream LS, slightly chalky, no shows or odor

Mississippian Chert 4134 (-2135)

Fisher Farms 1-15 DST#2.jpg

4142 30" Chert, mostly cream to white, some weathered, some fresh and sharp, some very scattered with tripolitic edges and black stain in porosity, one small chip mostly saturated and bleeding gas bubbles, slow streaming cut with bright white fluorescence, also with gray chert as above and abundant red and gray shales, slight red wash, NSFO, poor fleeting odor

60" mostly same as above with slight influx in tripolitic chert with shows, mostly scattered edge stain, with few very small chips at bottom of tray being mostly saturated, slight red wash, NSFO, fair fleeting odor

Chert, white to cream with some very scattered translucent, sharp and fresh, mostly barren, some very scattered with tripolitic edges to partly tripolitic with black stain in porosity, slow streaming cut, NSFO, poor odor

4180' Mostly chert as above, few pieces with very slightly tripolitic edges and very scattered slight black to brown stain, also with influx of gray and red shale, slight red wash, no odor

Mostly gray shale with some red, also with scattered white to cream chert, mostly fresh and sharp, and trace very scattered cream LS, micro-xln, dense with poor visible porosity, slight red wash, no shows or odor

Mostly same as above, slightly less chert and LS, no shows or odor

Gray and red shale as above, also with some gray to green globs of clay and slight influx in silty gray shale, chalky wash, no shows or odor

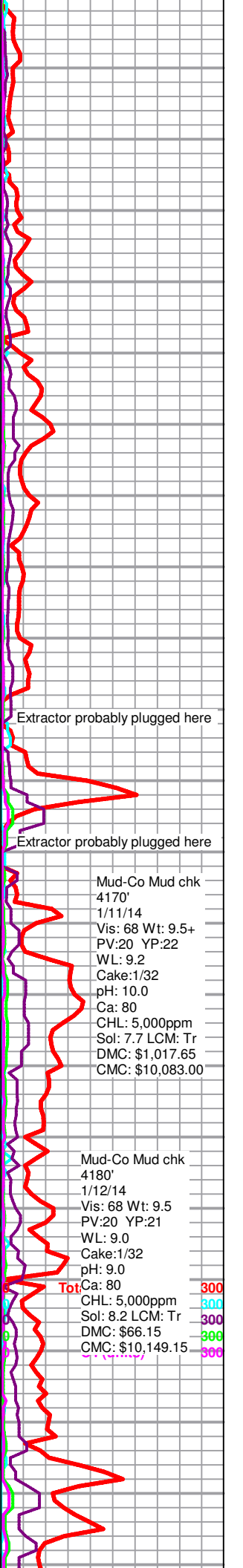
Gray and red shale with slight influx of cream to white chert, slight red wash, no shows or odor

Viola 4225 (-2246)

Fisher Farms 1-15 DST#3.jpg

Mix of gray and red shale and white to cream chert, some scattered tripolitic with scattered to mostly saturated black to brown stain, slow streaming cut with dull fluorescence, one piece slowly bleeding several gas bubbles from porosity, fair show free oil in tray, fair odor in cup

Viola Show1.JPG

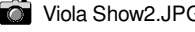


Extractor probably plugged here

Extractor probably plugged here

Mud-Co Mud chk
4170'
1/11/14
Vis: 68 Wt: 9.5+
PV:20 YP:22
WL: 9.2
Cake:1/32
pH: 10.0
Ca: 80
CHL: 5,000ppm
Sol: 7.7 LCM: Tr
DMC: \$1,017.65
CMC: \$10,083.00

Mud-Co Mud chk
4180'
1/12/14
Vis: 68 Wt: 9.5
PV:20 YP:21
WL: 9.0
Cake:1/32
pH: 9.0
Ca: 80
CHL: 5,000ppm
Sol: 8.2 LCM: Tr
DMC: \$66.15
CMC: \$10,149.15



Viola Show2.JPG
 As above, with influx of tripolitic chert with mostly saturated to saturated black stain (~10-15% of sample), gassy, some bleed oil when left under lamp, good show free oil in tray, good odor

4272 30" Chert, white, fresh and sharp, mostly barren, trace tripolitic with saturated black stain, NSFO, fair odor

60" Chert as above, no shows or odor

4280 30" White chert as above, no shows or odor

60" White chert with slight influx of scattered LS, cream, slightly fossiliferous, poor visible porosity, trace white chert with slightly tripolitic edges and black to brown stain on edges in porosity, also with some gray to black with trace red shale, poor odor

Shale, gray to black with some green, blocky and dense to soft and waxy, also with some scattered SS, gray, v-f-grained, sub-rounded to sub-angular, poorly sorted, very friable, barren, also with vf loose quartz grains at bottom of tray, no shows or odor

Shale, green, mostly blocky and waxy, some pyritic, also with some gray to black as above and very scattered SS, clear to gray, fine grained, most with shale inclusions, sub-angular, poorly sorted and well cemented, barren, also with some loose grains as above, no shows or odor

Poor samples very fine and crushed up, but appears to be mostly gray shale with loose quartz grains, no shows or odor

Arbuckle 4330 (-2351)

4335 30" Dolomite, cream, micro-xln, mostly weathered and dense with some scattered sub-sucrosic, poor visible porosity, barren, no shows or odor

60" Dolomite as above, some slightly pyritic, trace pyrite, no shows or odor

4345 30" Dolomite, cream with some scattered white, micro-xln, weathered and dense with poor visible porosity, no shows or odor

60" As above, with some scattered sub-sucrosic, no shows or odor

Dolomite, cream to white, micro-xln, weathered and dense, some scattered sub-sucrosic with some very scattered sucrosic, poor visible porosity, no shows or odor

Dolomite, mix of weathered and dense and sub-sucrosic with some scattered sucrosic, friable, poor visible porosity, no shows or odor

Dolomite as above, no shows or odor

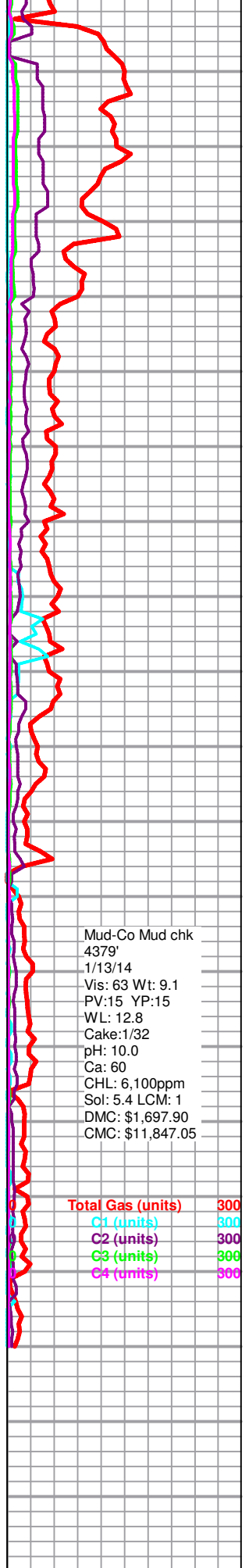
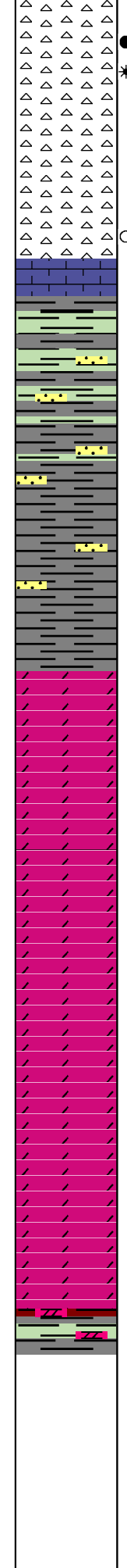
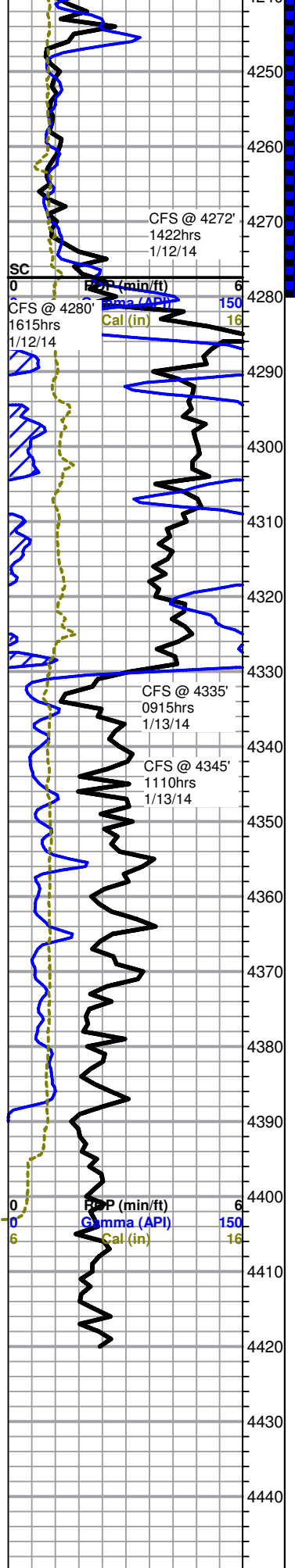
As above with slight influx of gray and green shale, no shows or odor

Mostly mix of gray, green, red, and dark gray to black shales, some blocky and dense, some soft and waxy, also with some scattered dolomite, cream to white, micro-xln, mostly sub-sucrosic with poor visible porosity, no shows or odor

Mud-Co Mud chk
 4379'
 1/13/14
 Vis: 63 Wt: 9.1
 PV:15 YP:15
 WL: 12.8
 Cake:1/32
 pH: 10.0
 Ca: 60
 CHL: 6,100ppm
 Sol: 5.4 LCM: 1
 DMC: \$1,697.90
 CMC: \$11,847.05

Total Gas (units) 300
 C1 (units) 300
 C2 (units) 300
 C3 (units) 300
 C4 (units) 300

Rotary TD 4420' @ 1535hrs 1/13/14
 Nabors Well Services Logging TD @ 4421'
 Complete Logging Operations @ 0245hrs 1/14/14
 Geologist Jeremy Schwartz off location @ 0330hrs 1/14/14





DRILL STEM TEST REPORT

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado 80228

Fisher Farms #1-15

ATTN: Jeremy Schwartz

Job Ticket: 17113

DST#: 1

Test Start: 2014.01.10 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3320

Interval: 3842.00 ft (KB) To 3863.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3863.00 ft (KB) (TVD)

1966.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8419

Inside

Press@RunDepth: 1118.82 psia @ 3859.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.11

End Date: 2014.01.11

Last Calib.: 2014.01.11

Start Time: 01:08:47

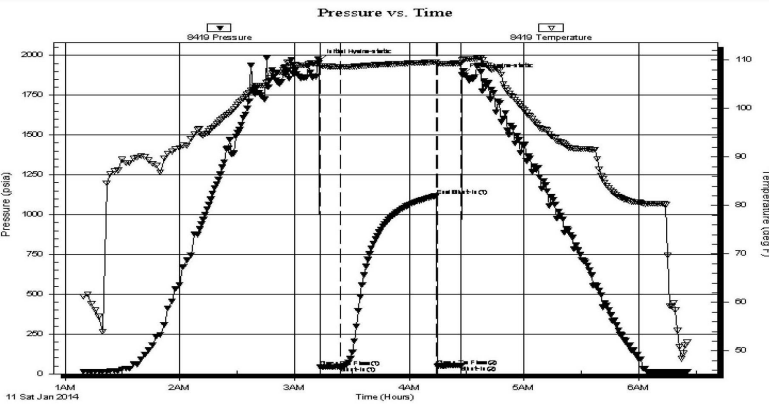
End Time:

06:25:17

Time On Btm: 2014.01.11 @ 03:12:47

Time Off Btm: 2014.01.11 @ 04:27:47

TEST COMMENT: 1st Opening 10 Minutes Very weak surface blow
 1st Shut-In 45 Minutes-No blow back
 2nd Opening 10 Minutes no blow for 10 minutes pulled the tool-



PRESSURE SUMMARY

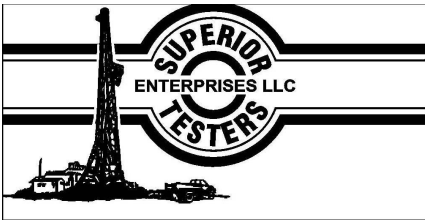
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1969.18 | 109.34 | Initial Hydro-static |
| 1 | 41.40 | 108.78 | Open To Flow (1) |
| 11 | 45.63 | 108.58 | Shut-In(1) |
| 62 | 1118.82 | 109.54 | End Shut-In(1) |
| 62 | 49.41 | 109.15 | Open To Flow (2) |
| 75 | 52.51 | 109.33 | Shut-In(2) |
| 75 | 1877.97 | 109.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 5.00 | Drilling Mud | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources LLC

15-25s-14w Stafford

445 Union Building Suite 208 Lakewood, Colorado 80228

Fisher Farms #1-15

ATTN: Jeremy Schwartz

Job Ticket: 17114

DST#: 2

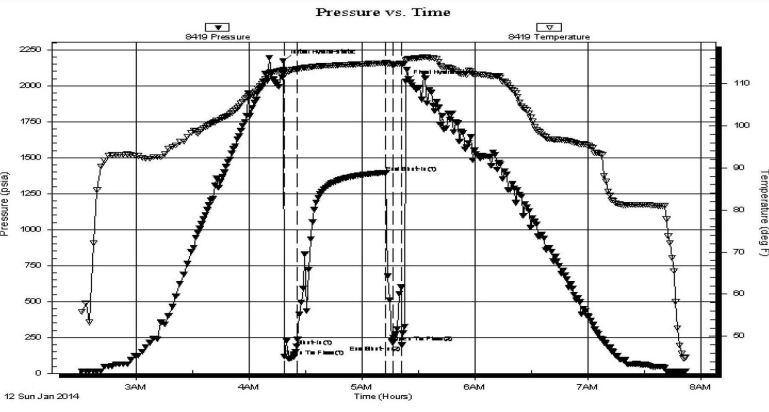
Test Start: 2014.01.12 @ 00:00:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3320
 Interval: **4090.00 ft (KB) To 4180.00 ft (KB) (TVD)**
 Total Depth: 4190.00 ft (KB) (TVD)
 Reference Elevations: 1979.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 1966.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8419 Inside
 Press@RunDepth: 196.33 psia @ 4176.28 ft (KB) Capacity: 5000.00 psia
 Start Date: 2014.01.12 End Date: 2014.01.12 Last Calib.: 2014.01.12
 Start Time: 02:30:00 End Time: 07:51:30 Time On Btm: 2014.01.12 @ 04:18:00
 Time Off Btm: 2014.01.12 @ 05:23:00

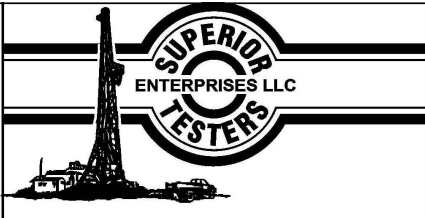
TEST COMMENT: 1st Opening 10 Minutes-Weak surface blow for 10 minutes
 1st Shut-In 45 Minutes no blow back
 2nd Opening 10 Minutes-Weak blow for 6 minutes and died



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
| 0 | 2171.45 | 113.34 | Initial Hydro-static |
| 1 | 118.38 | 112.77 | Open To Flow (1) |
| 7 | 187.68 | 113.43 | Shut-In(1) |
| 55 | 1396.60 | 114.90 | End Shut-In(1) |
| 58 | 213.84 | 114.59 | Open To Flow (2) |
| 63 | 196.33 | 114.65 | End Shut-In(2) |
| 65 | 2030.03 | 115.51 | Final Hydro-static |

| Recovery | | |
|-------------|--------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 120.00 | drilling mud | 0.59 |
| | | |
| | | |
| | | |
| | | |

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



DRILL STEM TEST REPORT

Shelby Resources
 2717 Canal Blvd. Hays Kansas
 67601
 ATTN: Jeremy Schwartz

15-25s-14w-Stafford
Fisher Farms 1-15
 Job Ticket: 19171 **DST#: 3**
 Test Start: 2014.01.12 @ 07:58:00

GENERAL INFORMATION:

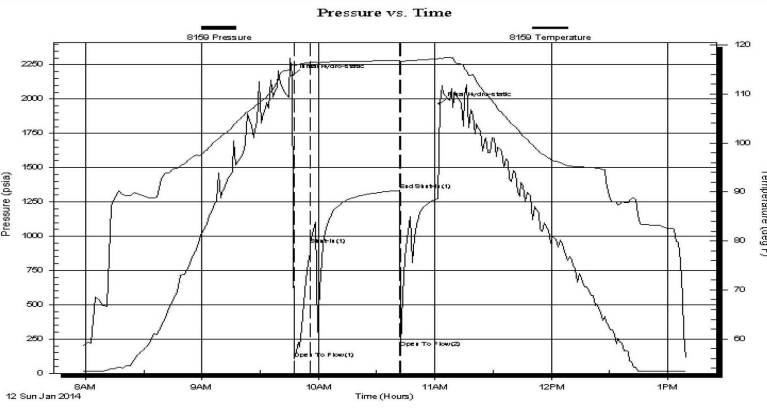
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:47:30
 Time Test Ended: 13:09:30
Interval: 4170.00 ft (KB) To 4280.00 ft (KB) (TVD)
 Total Depth: 4280.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-82
 Reference Elevations: 1979.00 ft (KB)
 1966.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159

Press@RunDepth: 939.17 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2014.01.12 End Date: 2014.01.12 Last Calib.: 2014.01.12
 Start Time: 07:58:00 End Time: 13:09:30 Time On Btm: 2014.01.12 @ 09:46:30
 Time Off Btm: 2014.01.12 @ 11:02:30

TEST COMMENT: 1st Open 10 minutes Weak buiding blow built to 2 inches into a gallon bucket of w ater
 1st Shut in 45 minutes No blow back
 2nd Open 15 minutes Dead -Pulled tool
 2nd Shut in NA



PRESSURE SUMMARY

| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2170.69 | 115.98 | Initial Hydro-static |
| 1 | 106.52 | 115.78 | Open To Flow (1) |
| 10 | 939.17 | 116.41 | Shut-In (1) |
| 56 | 1333.65 | 116.86 | End Shut-In (1) |
| 56 | 184.76 | 116.56 | Open To Flow (2) |
| 76 | 1965.70 | 117.30 | Final Hydro-static |

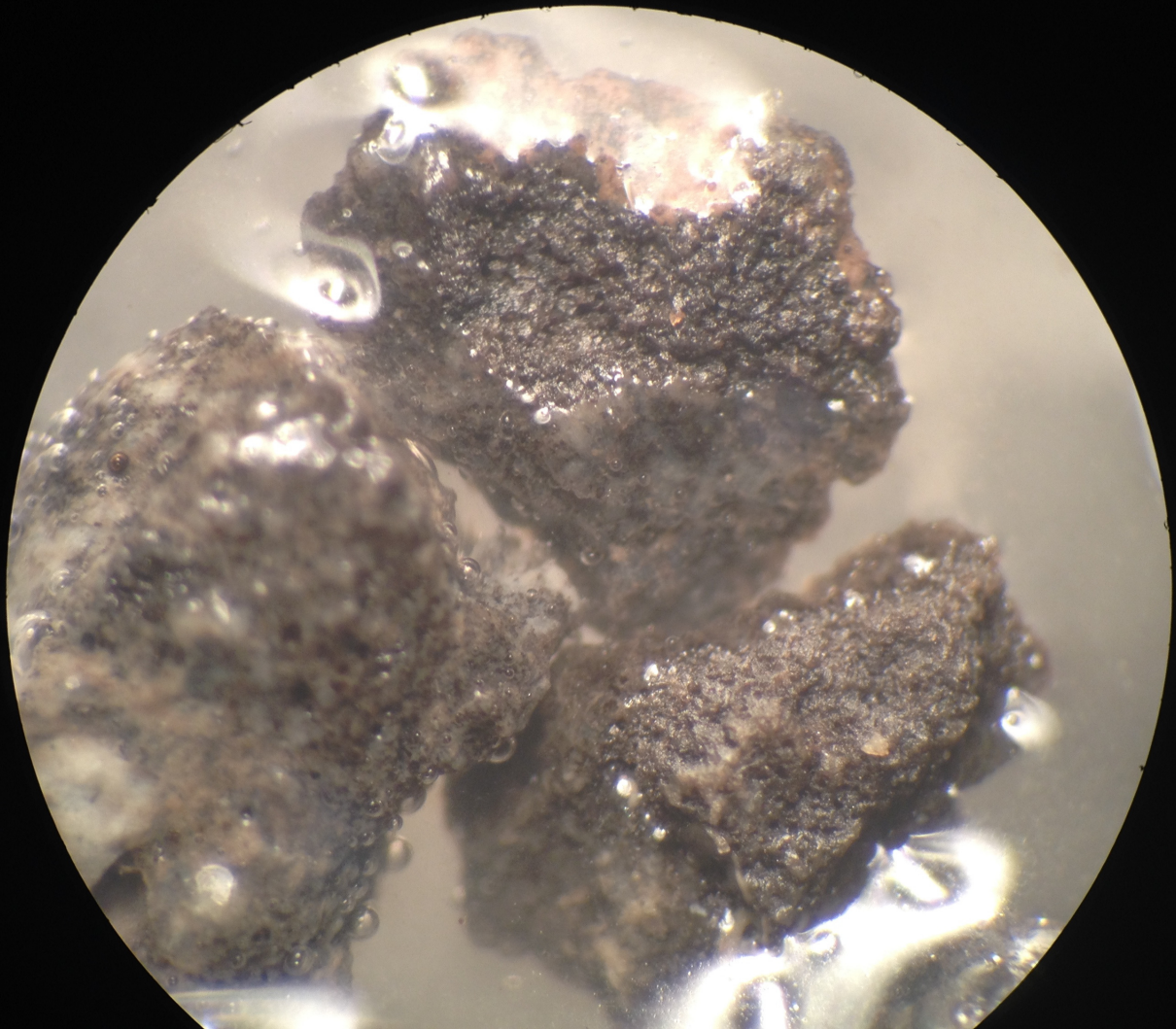
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | Mud 100% | 0.05 |
| | | |
| | | |
| | | |
| | | |

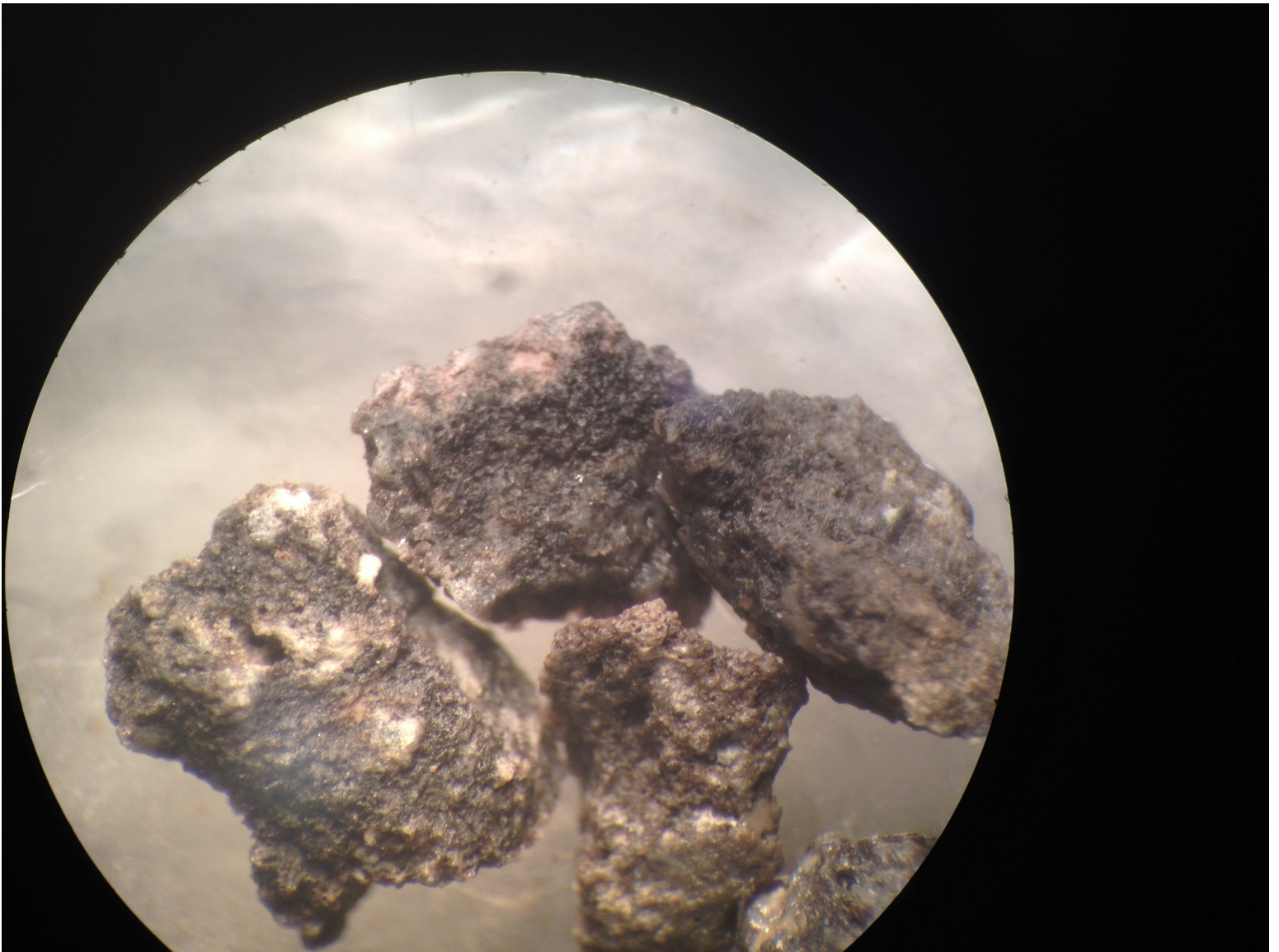
Gas Rates

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

Viola Show1.JPG



Viola Show2.JPG



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. 7041

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|--------|------|------|-------|----------|-------|-------------|----------|
| 1-7-14 | 15 | 25 | 14 | Stafford | KS | | 11:30 AM |

Location 281+50 55 5w 3/4 S Winto

| | | |
|---------------------------|---------------------------------|---|
| Lease Fisher Farms | Well No. 1-15 | Owner |
| Contractor Sterling #5 | | 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. |
| Type Job Surface | | |
| Hole Size 12 1/4 | T.D. 905' | Charge To Shelby Resources |
| Csg. 8 5/8 | Depth 905' | 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. 31.65 | Shoe Joint 31.65 | Cement Amount Ordered 450 sk 6/40 3% cc 2% Gel |
| Meas Line 14 | Displace 55 1/2 bbl | 650 used 565 1/2 # 60 |
| EQUIPMENT | | Common 339 |
| Pumptrk 5 | No. Cementer Helper Lonnie W | Poz. Mix 226 |
| Bulktrk 12 | No. Driver Clayton | Gel. 10 |
| Bulktrk PU | No. Driver Brett David | Calcium 25 |

JOB SERVICES & REMARKS

| | |
|--------------------|-----------------------------|
| Remarks: | Sugar - 100 lbs |
| Rat Hole | Flowseal 325# |
| Mouse Hole | Kol-Seal |
| Centralizers | Mud CLR 48 |
| Baskets | CFL-117 or CD110 CAF 38 |
| D/V or Port Collar | Sand |
| | Handling 688 |
| | Mileage |
| | 8 5/8 FLOAT EQUIPMENT |
| | Guide Shoe - 1 |
| | Centralizer |
| | Baskets - 1 |
| | AFU Inserts |
| | Float Shoe |
| | Latch Down |
| | Baffle Plate - 1 |
| | Rubber Plug - 1 |
| | Pumptrk Charge Long Surface |
| | Mileage 22 |
| | Tax |
| | Discount |
| | Total Charge |

Did not circulate

Mix 115 sk 30ft down to surface
through 1in Done @ 3:15 PM

Cellar stayed full

X Signature Alan Lofth

| | | |
|--------------------------------------|--------------------------|---------------------------------|
| Customer Shelby Resources, LLC | Lease No. | Date 1-14-14 |
| Lease Fisher Farms | Well # 1-15 | |
| Field Order # 9841 | Station Pratt, Kansas | Casing 4 1/2" Drill Pipe |
| Type Job C.N.W. - Plug To Abandon | Depth | County Stafford |
| | Formation | State Kansas |
| | | Legal Description 15-255-14W |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|-----------------|-------------------|------------------|----|------------------------------|--|------------------|-------|------------------|
| Casing Size | Tubing Size | Shots/Ft | | Acid | | RATE | PRESS | ISIP |
| | 4 1/2" Drill Pipe | 210 sacks | | 60/40 Poz | | | | 5 Min. |
| Depth | Depth | From | To | Pre Pad | | Max | | |
| | | | | with 48 Total Gel | | | | 10 Min. |
| Volume | Volume | From | To | Pad | | Min | | |
| | | | | 13.81 bbl Gal., 6.92 | | | | 15 Min. |
| Max Press | Max Press | From | To | Frac | | Avg | | |
| | 500 psf | | | | | | | |
| Well Connection | Annulus Vol. | From | To | | | HHP Used | | Annulus Pressure |
| X Hole | | | | | | | | |
| Plug Depth | Packer Depth | From | To | Flush | | Gas Volume | | Total Load |
| | | | | Drilling mud and fresh water | | | | |

| | | |
|----------------------------------|----------------------------------|--------------------------------|
| Customer Representative Allen | Station Manager Kevin Gordley | Treater Clarence R. Messick |
|----------------------------------|----------------------------------|--------------------------------|

| | | | | | | | | |
|---------------|---------|--------|---------|--------|--|--|--|--|
| Service Units | 37216 | 27,463 | 19,831 | 19,862 | | | | |
| Driver Names | Messick | Kuemin | Pierson | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-------|-----------------|-----------------|--------------|------|---|
| 10:15 | | | | | Trucks on location and hold safety meeting. |
| | | | | | 1st Plug 4330 Feet - 50 sacks cement. |
| 11:35 | | 500 | | 5 | Start Fresh water Pre-Flush. |
| | | 500 | 20 | 5 | Start mixing cement |
| | | 400 | 32 | 5 | Start Fresh water Displacement |
| | | 200 | 42 | 5 | Start Drilling mud Displacement. |
| 11:55 | | -0- | 90 | | Stop pumping. |
| | | | | | 2nd Plug 930 Feet - 50 sacks cement. |
| 2:15 | | 225 | | 5 | Start Fresh water Pre-Flush. |
| | | 200 | 10 | 5 | Start mixing cement |
| | | 100 | 22 | 5 | Start Fresh water Displacement. |
| 2:23 | | -0- | 27 | | Stop pumping |
| | | | | | 3rd Plug 300 Feet - 40 sacks cement. |
| 2:47 | | | | 5 | Start mixing cement |
| | | | 10 | 5 | Start Fresh water Displacement. |
| 2:50 | | -0- | 11 | | Stop pumping. |
| | | | | | 4th Plug 60 Feet - 20 sacks |
| 3:57 | | 100 | | 3 | Start mixing cement. |
| 4:00 | | -0- | 5 | | Cement circulated to surface. Stop pumping. |
| | | -0- | 7-5 | 3 | Plug Rat and Mouse holes. |
| | | | | | Washup pump truck. |
| 4:45 | | | | | Job Complete |