



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1100745
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: _____



1100745

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 <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| 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: | | | | |

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

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

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

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

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

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Falcon Exploration, Inc. |
| Well Name | CARL LOVE 1-1(NE) |
| Doc ID | 1100745 |

All Electric Logs Run

| |
|---------|
| |
| MEL |
| DIL |
| BHCS |
| CNL/CDL |

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Falcon Exploration, Inc. |
| Well Name | CARL LOVE 1-1(NE) |
| Doc ID | 1100745 |

Tops

| Name | Top | Datum |
|-----------|------|-------|
| STOTLER | 3488 | -697 |
| HEEBNER | 4130 | -1339 |
| LANSING | 4224 | -1433 |
| STARK | 4554 | -1763 |
| MARMATON | 4712 | -1921 |
| PAWNEE | 4796 | -2005 |
| CHEROKEE | 4844 | -2053 |
| MORROW SH | 5026 | -2235 |
| ST GEN | 5079 | -2288 |
| ST LOUIS | 5116 | -2325 |

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 13, 2012

CYNDE WOLF
Falcon Exploration, Inc.
125 N MARKET STE 1252
WICHITA, KS 67202-1719

Re: ACO1
API 15-069-20383-00-00
CARL LOVE 1-1(NE)
NE/4 Sec.01-28S-30W
Gray County, Kansas

Dear Production Department:

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

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

Respectfully,
CYNDE WOLF

DIAMOND TESTING

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact MIKE MITCHELL
Well Name CARL LOVE #1-1 (NE)
Unique Well ID DST #1, STOTLER, 3444-3522
Surface Location SEC 1-28S-30W, GRAY CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, STOTLER, 3444-3522
Well Fluid Type 02 Gas

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2012/08/01
Prepared By TIM VENTERS
Qualified By MAC ARMSTRONG

Start Test Date 2012/08/01
Final Test Date 2012/08/01

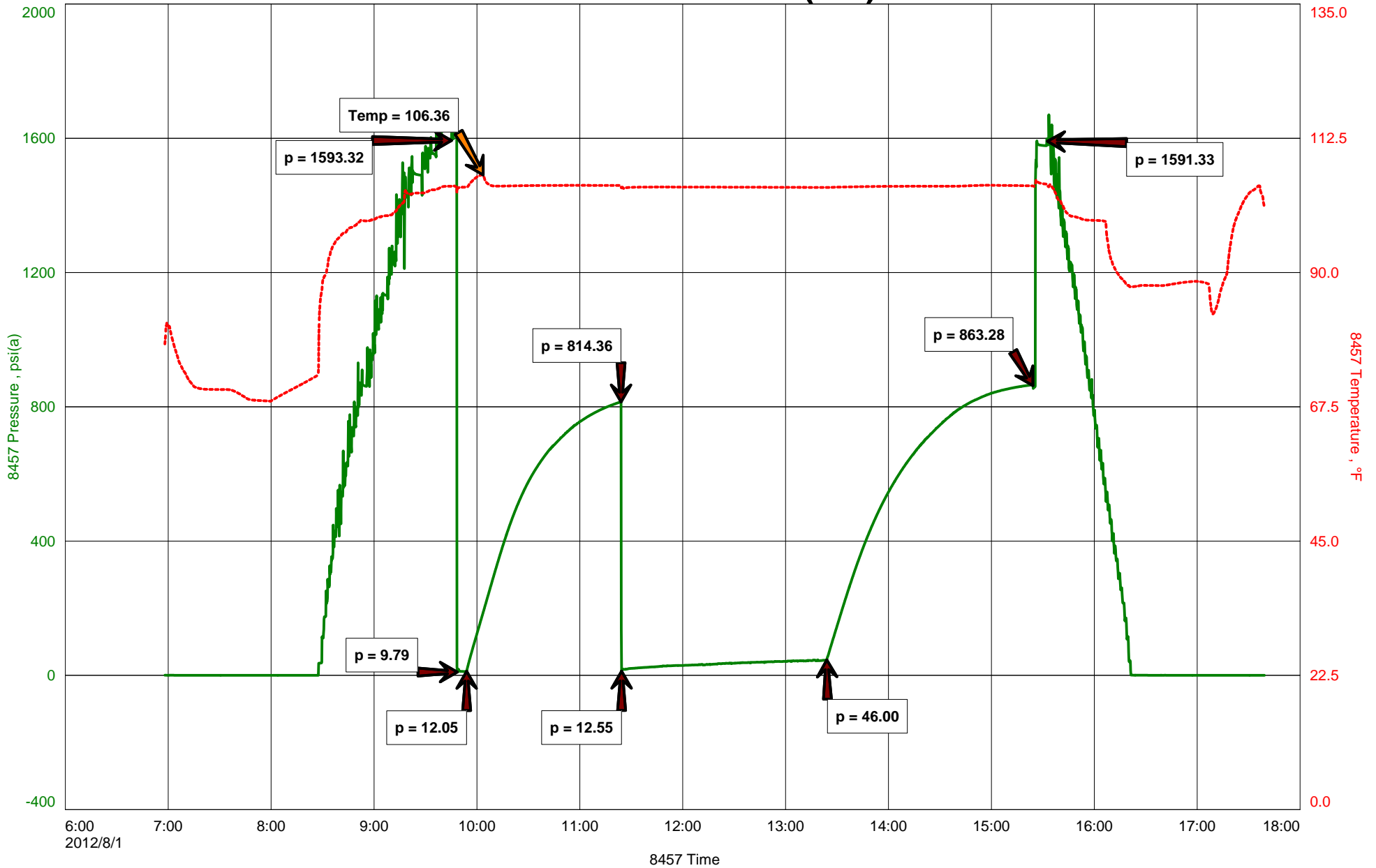
Start Test Time 06:58:00
Final Test Time 17:39:00

Test Recovery:

RECOVERED: 850' GAS IN PIPE
90' MUD

TOOL SAMPLE: 1% OIL, 99% MUD

CARL LOVE #1-1 (NE)





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

| | |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| | Total |

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

General Information Report

General Information

| | | | |
|-------------------------|----------------------------------|------------------------|--------------------------|
| Company Name | FALCON EXPLORATION, INC. | Representative | TIM VENTERS |
| Contact | MIKE MITCHELL | Well Operator | FALCON EXPLORATION, INC. |
| Well Name | CARL LOVE #1-1 (NE) | Report Date | 2012/08/06 |
| Unique Well ID | DST #2, MISSISSIPPIAN, 5144-5175 | Prepared By | TIM VENTERS |
| Surface Location | SEC 1-28S-30W, GRAY CO. KS. | Qualified By | MAC ARMSTRONG |
| Field | WILDCAT | | |
| Well Type | Vertical | | |
| Test Type | CONVENTIONAL | | |
| Formation | DST #2, MISSISSIPPIAN, 5144-5175 | | |
| Well Fluid Type | 01 Oil | | |
| Start Test Date | 2012/08/06 | Start Test Time | 10:55:00 |
| Final Test Date | 2112/08/07 | Final Test Time | 00:27:00 |

Test Recovery:

RECOVERED: 2185' GAS IN PIPE

55' G.SOCM, 5% GAS, 3% OIL, 92% MUD

60' HOCM, 44% OIL, 56% MUD

240' G,SM&WCO, 7% GAS, 73% OIL, 12% WATER, 8% MUD

355' TOTAL FLUID

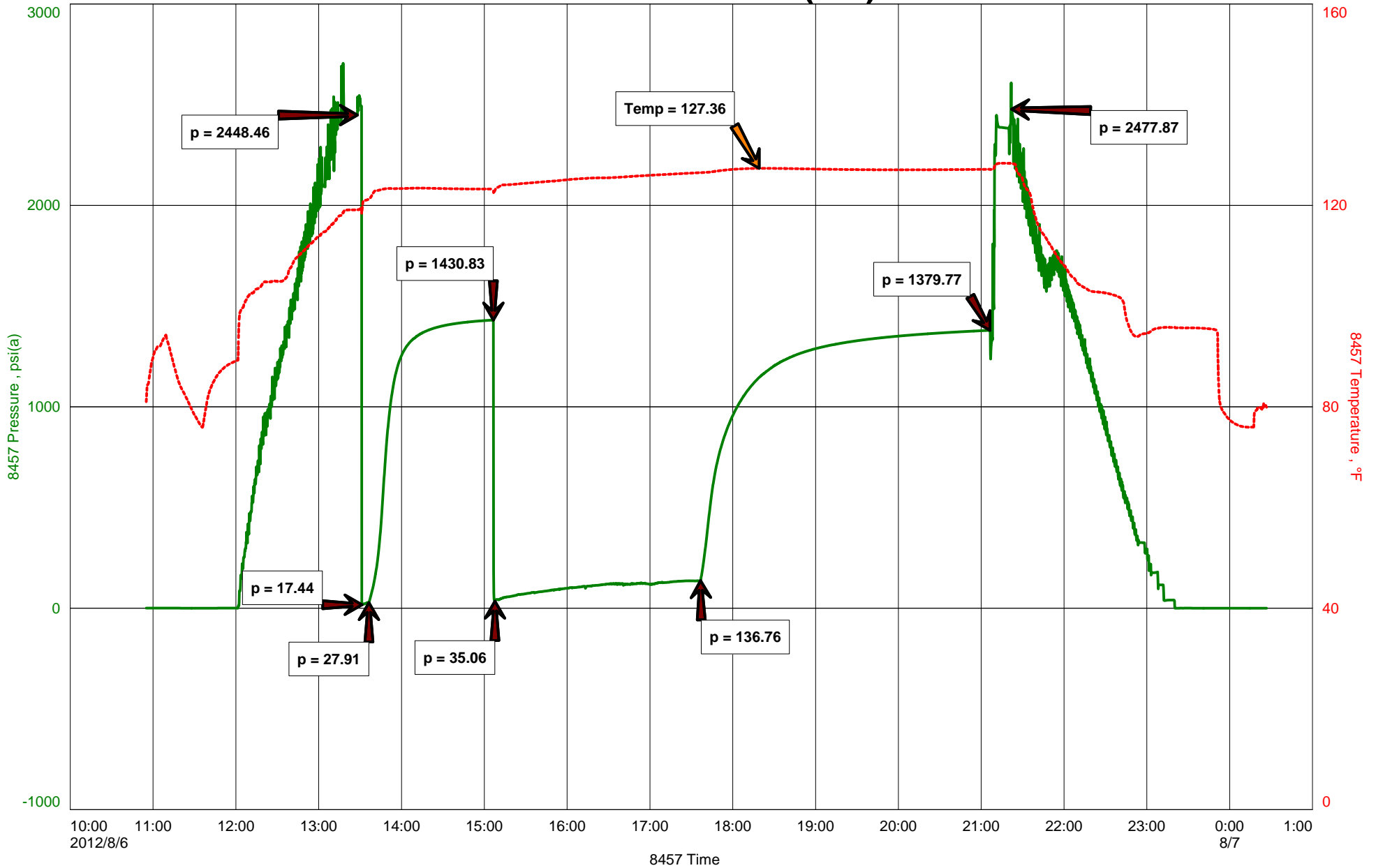
TOOL SAMPLE: 70% OIL, 17% WATER, 13% MUD

CHLORIDES: 59,000 ppm

PH: 7.0

RW: .12 @ 76 deg.

CARL LOVE #1-1 (NE)





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

| | |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | |
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| | Total |

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

ALLIED OIL & GAS SERVICES, LLC

KID
052603

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

LIBERAL KS

Carl Louv

| | | | | | | | |
|------------------------------------|-----------------|--|------------------|---------------------------|--------------------------|--------------------------|---------------------------|
| DATE <u>7/29/12</u> | SEC. <u>1</u> | TWP. <u>285</u> | RANGE <u>30W</u> | CALLED OUT <u>1200 PM</u> | ON LOCATION <u>10 PM</u> | JOB START <u>0130 AM</u> | JOB FINISH <u>0255 AM</u> |
| LEASE <u>1 CARL LOUVS</u> | WELL# <u>#1</u> | LOCATION <u>Ver Cooplund KS. east to</u> | | | COUNTY <u>GRAY</u> | STATE <u>KS</u> | |
| OLD OR NEW (Circle one) <u>NEW</u> | | <u>CR#7 North west into</u> | | | <u>101</u> | <u>1.45</u> | |

CONTRACTOR STERLING RIG #5
 TYPE OF JOB SURFACE CASING 8 5/8"
 HOLE SIZE 12 1/4" T.D. 1906'
 CASING SIZE 8 5/8" DEPTH 1859'
 TUBING SIZE - DEPTH -
 DRILL PIPE - DEPTH -
 TOOL - DEPTH -
 PRES. MAX - MINIMUM -
 MEAS. LINE - SHOE JOINT 41.88'
 CEMENT LEFT IN CSG. 2.7661
 PERFS. -
 DISPLACEMENT 116 BBL

OWNER FALCON EXPLORATION

CEMENT
 AMOUNT ORDERED 675 SLS LEAD 65/85, 676 SL, 3XCC, 25# FLOSEAL 1.965' @ 12.4 PPS, 10.9 @ 12.2 FLOSEAL FAIL 2XCC, 2X6CL 1:34 @ 15.2 PPS, 0.0 @ 16.6

| | | | |
|--------------|--------------------|---------|-----------|
| COMMON | CLASS A 1502 @ | 16.25 | 2437.50 |
| POZMIX | @ | | |
| GEL | 3.5 @ | 21.25 | 63.75 |
| CHLORIDE | 2.7 @ | 58.20 | 1571.40 |
| ASC | @ | | |
| LIGHT WEIGHT | 675 @ | 15 # | 10,125.00 |
| FLOSEAL | 169 @ | 2.70 | 456.30 |
| | @ | | |
| | @ | | |
| | @ | | |
| | @ | | |
| | @ | | |
| HANDLING | 853 SLS @ | 2.25 | 1923.75 |
| MILEAGE | DEVALVE 42750.00 @ | SPR-MIC | 4702.50 |

EQUIPMENT

PUMP TRUCK CEMENTER CESAR CARCON 1
 # 550-549 HELPER MICHAEL COX 2
 BULK TRUCK 527
 # FIELD BIN NO# DRIVER JESUS VEGA 3
 BULK TRUCK
 # DRIVER

REMARKS:

THANK YOU!

Waiting on customer to get back with us on rig waiting time.

SERVICE

| | | | |
|-------------------|--------------|----------------|--------------------|
| DEPTH OF JOB | <u>1859'</u> | | |
| PUMP TRUCK CHARGE | | | <u>1925.00</u> |
| EXTRA FOOTAGE | @ | | |
| MILEAGE | <u>100</u> | @ | <u>7.00 700.00</u> |
| MANIFOLD | @ | | |
| LIGHT V MILES 100 | @ | <u>4.00</u> | <u>400.00</u> |
| Rig Time | @ | <u>2120.00</u> | <u>2120.00</u> |

TOTAL 905.00

CHARGE TO: FALCON EXPLORATION
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

| | | | | |
|--------------|---|---|---------------|---------------|
| GUIDE SHOE | 1 | @ | <u>404.00</u> | <u>404.00</u> |
| FLUOR VALVE | 1 | @ | <u>238.00</u> | <u>238.00</u> |
| CENTRALIZER | 3 | @ | <u>67.00</u> | <u>201.00</u> |
| CEMENT BASES | 3 | @ | <u>310.00</u> | <u>930.00</u> |

TOTAL 1785.00

To: Allied Oil & Gas Services, 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) 1224.70
 TOTAL CHARGES 23,970.20
 DISCOUNT 25% 5992.55 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE _____

\$17,977.65



Cement Report

| | | | |
|------------------------------------|-----------|----------------------------------|--------------------|
| Customer <i>Falcon Exploration</i> | | Lease No. | Date <i>8-8-12</i> |
| Lease <i>Carl Love</i> | | Well # <i>1-1</i> | Service Receipt |
| Casing | Depth | County <i>Gray</i> | State <i>KS</i> |
| Job Type <i>5 1/2 Production</i> | Formation | Legal Description <i>1-28-30</i> | |

Pipe Data

Perforating Data

Cement Data

| | | | | |
|-------------------------------|--------------|-----------------|----|---|
| Casing size <i>5 1/2 15.5</i> | Tubing Size | Shots/Ft | | Lead <i>100sk A Con</i> <i>2% CC, 1/4# Poly</i> <i>50 sk Scavenger</i> <i>50sk Rat & Mouse</i> Tail in <i>100sk AA 2</i> <i>5% W-CO, 10% Salt, 6% C-15</i> <i>1/4#D foam, 5# G. Isonite</i> |
| Depth <i>5305</i> | Depth | From | To | |
| Volume <i>125</i> | Volume | From | To | |
| Max Press | Max Press | From | To | |
| Well Connection | Annulus Vol. | From | To | |
| Plug Depth <i>5264</i> | Packer Depth | From | To | |

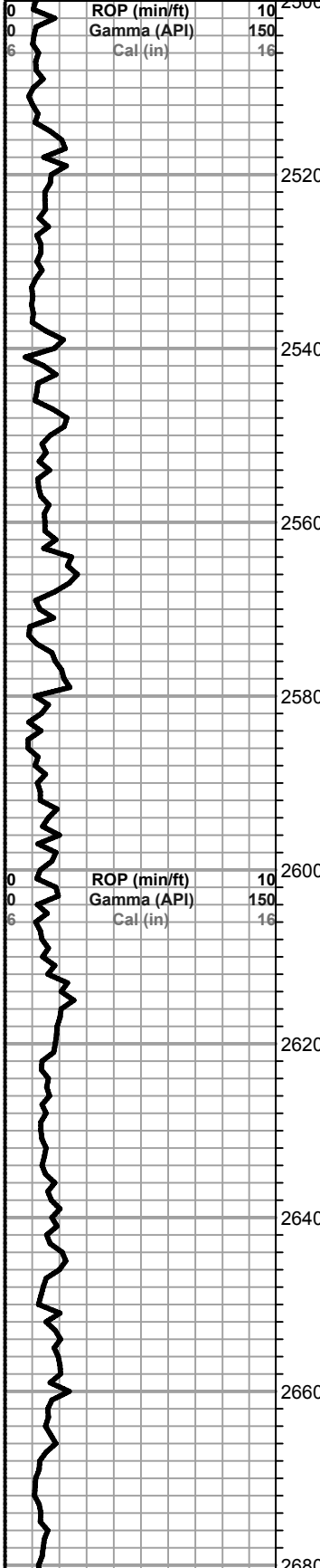
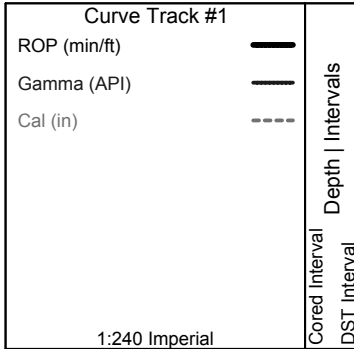
| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|------|-----------------|-----------------|--------------|------|---|
| 1200 | | | | | On Location - Spot & Rig up |
| 1700 | | | | | Casing on bottom - Break Circ. |
| 1715 | | | | | Safety Meeting |
| 1720 | | | | 2 | Plug Rat and Mouse holes |
| 1731 | 200 | | 5 | 5 | Pump 5 BBL Water |
| 1733 | 200 | | 12 | 5 | Pump 500 Gal Super-Flush |
| 1735 | 200 | | 5 | 5 | Pump 5 BBL Water |
| 1737 | 200 | | 26 | 5 | Mix 50 sk A Con @ 11.4 PPG |
| 1744 | 200 | | 27 | 5 | Mix 100sk AA 2 @ 14.8 PPG |
| 1752 | | | | | Shut down - drop top plug - clean lines |
| 1758 | 200 | | 0 | 6.5 | Start displacing |
| 1811 | 300 | | 88 | 6.5 | Displacement Reaches Cement |
| 1816 | 800-400 | | 115 | 2 | Slow Rate |
| 1823 | 600-1300 | | 125 | | Bump Plug |
| 1824 | 1300-0 | | | | Release Pressure - Floats held |

| | | | | | |
|---------------|--------------|--------------------|--------------------|--|--|
| Service Units | <i>21755</i> | <i>38111/19919</i> | <i>30463/37124</i> | | |
| Driver Names | <i>Kirby</i> | <i>Ed</i> | <i>Juan L</i> | | |

Customer Representative

Jerry Bennett
Station Manager

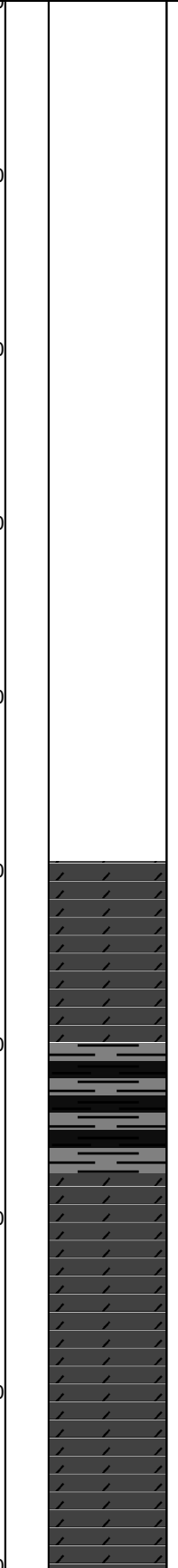
Kirby Harper
Cementer



DST

Lithology

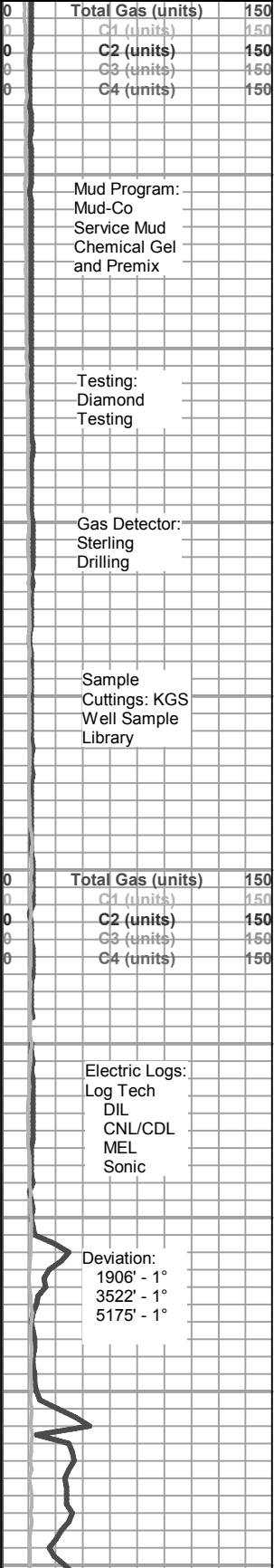
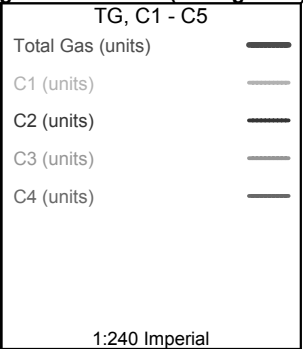
Oil Show



Geological Descriptions

Falcon Exploration, Inc
Carl Love No. 1-1 (NE)
C NE NE
660' FNL & 660' FEL
Sec 1 T28S R30W
Gray County, Kansas
GL 2778 KB 2791

-----Chase 2635 +156-----



2700
2720
2740
2760
2780
2800
2820
2840
2860
2880
2900

Dolo-AA

Sh-gry/dk gry/red

-----Winfield 2714 +77-----

Dolo-gry/dk gry micro to fxln sl mottled sl fos soft/mhd no por

Dolo-AA

Dolo-gry/dk gry micro to fxln sl mottled sl fos mhd no por

Sh-gry/dk gry/red

Sh-AA

-----Towanda 2762 +29-----

Dolo-lt gry/gry micro to fxln mhd sm mottled sl fos no por

Dolo-lt gry/gry micro to fxln mhd/dns sl fos no por

Dolo-AA

Dolo-AA

Sh-gry/dk gry/red

-----Fort Riley 2813 -22-----

Dolo-lt gry sm mottled micro to fxln sl fos no por

Dolo-AA

Dolo-AA

Dolo-lt gry sm mottled micro to fxln sl fos dns no por

Dolo-AA

Dolo-lt gry sm mottled micro to fxln sl fos mhd no por

Dolo-AA

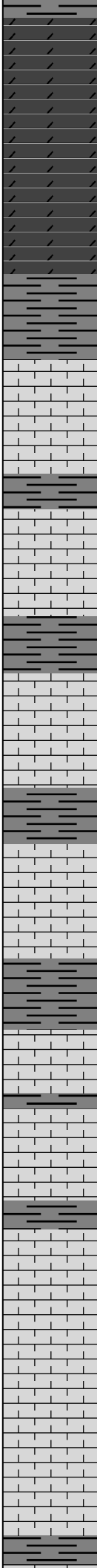
Sh-gry/dk gry/red

Sh-AA

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

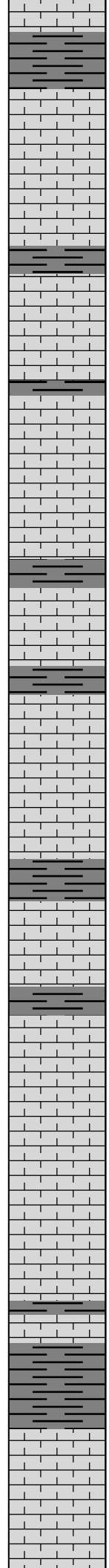
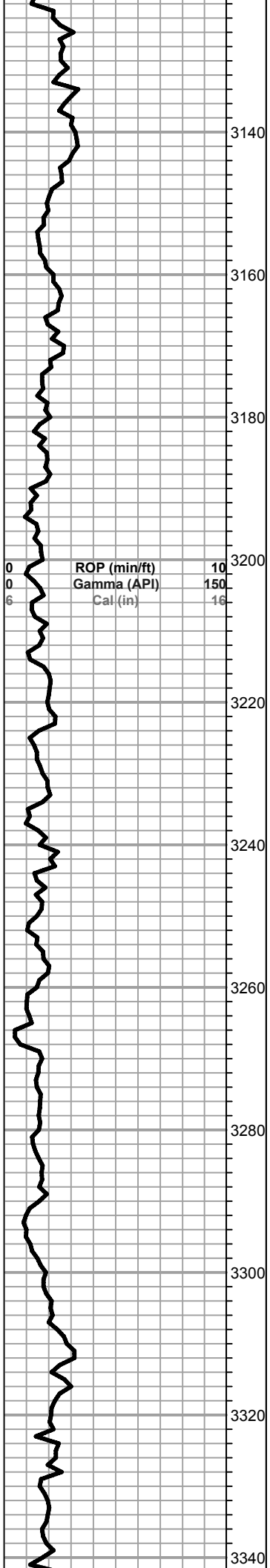
2920
2940
2960
2980
3000
3020
3040
3060
3080
3100
3120



Dolo-lt gry/gry micro to fxln sl mottled mhd sl fos no por
 Dolo-AA
 Dolo-AA
 Sh-gry/dk gry/red
 Ls-wt/lit gry fxln mhd fos sl clkly no por
 Sh-gry/dk gry/red
 Ls-wt/lit gry fxln mhd sl clkly no por
 Sh-gry/dk gry
 Ls-wt/lit gry fxln soft/mhd fos sl clkly fr interxln por nsfo
 Ls-wt/lit gry fxln mhd fos sl clkly no por
 Sh-gry/dk gry
 Ls-wt fxln soft fos sl clkly fr interxln por nsfo
 Ls-AA
 Sh-gry/dk gry
 Ls-wt fxln soft fos sl clkly fr interxln por nsfo
 -----Cottonwood 3056 -265-----
 Ls-wt/lit gry fxln dns sl clkly no por
 Ls-wt fxln soft fos sl clkly fr interxln por nsfo
 Sh-gry/dk gry
 Ls-wt/lit gry fxln fos oom and ool gd interoom por nsfo
 Ls-wt/lit gry fxln soft/mhd fos oom and ool no por
 Ls-AA
 Ls-wt/lit gry fxln soft fos oom and ool gd interoom por nsfo
 Sh-gry/dk gry

| | |
|--------------|-----|
| ROP (min/ft) | 10 |
| Gamma (API) | 150 |
| Cal (in) | 16 |

| | |
|-------------------|-----|
| Total Gas (units) | 150 |
| C1 (units) | 150 |
| C2 (units) | 150 |
| C3 (units) | 150 |
| C4 (units) | 150 |



Ls-wt/lt gry fxln mhd/dns sl clkly no por
Sh-gry/dk gry

-----**Neva 3134 -343**-----

Ls-wt/lt gry fxln dns fos sl clkly no por

Ls-wt fxln soft/mdh fos clkly no por

Sh-gry/dk gry

Ls-gry sm mottled fxln mhd/dns sl fos no por

Sh-gry/dk gry

Ls-gry sm mottled fxln mhd/dns sl fos no por

Ls-AA

Sh-gry/dk gry

Ls-gry fxln mhd sl fos no por

Sh-gry/dk gry

Ls-lt gry fxln mhd/dns fos no por

Ls-AA

Ls-lt gry fxln mhd fos no por

Sh-gry/dk gry

-----**Foraker 3247 -456**-----

Ls-lt gry/crm fxln mhd fos no por

Sh-gry/dk gry

Ls-lt gry/crm fxln mhd/dns fos no por

Ls-AA

Ls-AA

Ls-lt gry/crm fxln mhd fos trc interxln por nsfo

Ls-lt gry/crm fxln mhd/dns fos no por

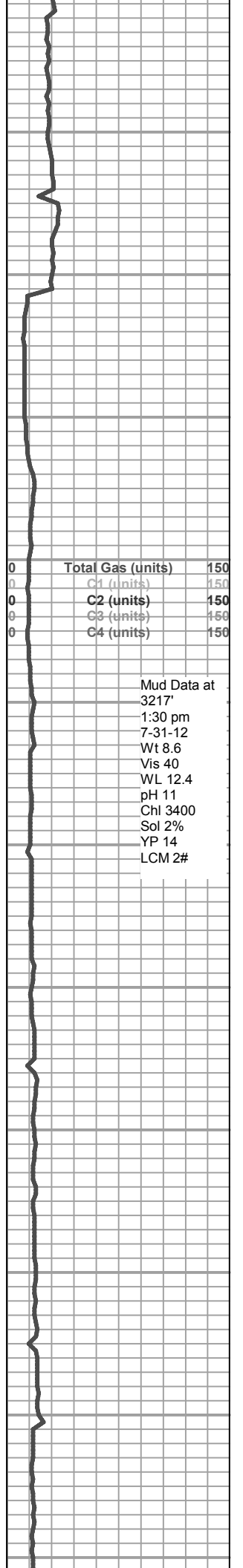
Sh-gry/dk gry

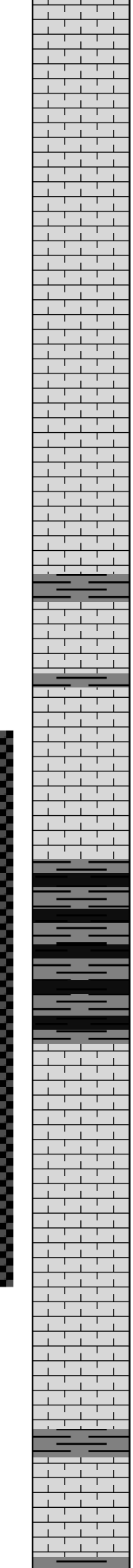
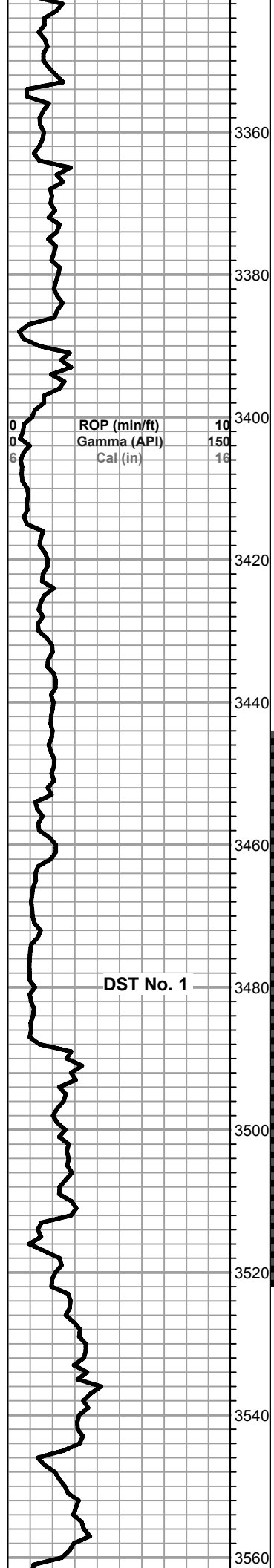
Ls-lt gry fxln dns sl fos no por

Sh-gry/dk gry

Ls-lt gry f/mxln mhd/dns fos no por

Ls-AA





Ls-tan/gry f/mxln mhd/dns sl fos no por

Ls-tan/gry f/mxln mhd fos no por

Ls-tan/gry f/mxln mhd/dns fos no por

Ls-AA

Ls-gry mottled brn f/mxln sm blkymhd fos no por

Ls-tan fxln mhd fos sl ooc and ool gd ooc por nsfo

Ls-tan/crm fxln mhd no por

Ls-tan fxln mhd fos sl ool and ooc gr ood por nsfo

Ls-AA

Sh-gry/dk gry

Ls-tan/gry f/mxln mhd fos no por

Sh-gry/dk gry

Ls-gry/brn mottled dk gry/mxln mhd highly fos no por

Ls-AA

Sh-gry/dk gry/mar

Sh-AA

Sh-AA

-----Stotler 3488 -697-----

Ls-tan/gry sm mottled gry and brn dns fos no por

Ls-AA

Ls-crm/tan fxln mhd/dns sl fos sl clkly no por

Ls-brn mottled gry and blk f/mxln soft/mhd sl fos fr interxln por nsfo

Ls-crm/tan fxln dns sl fos no por

Ls-tan fxln dns no por

Ls-AA

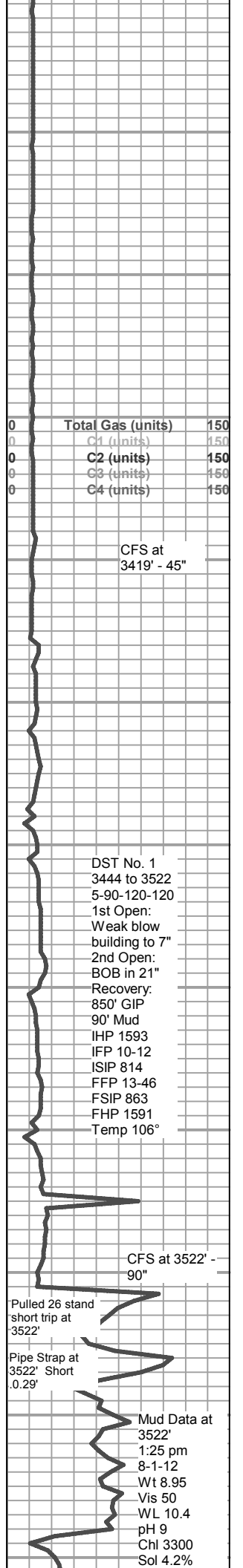
Ls-tan/gry fxln dns no por

Sh-gry/dk gry

Ls-gry/tan fxln dns sl fos no por

Ls-AA

-----Tarkio 3562 -771-----



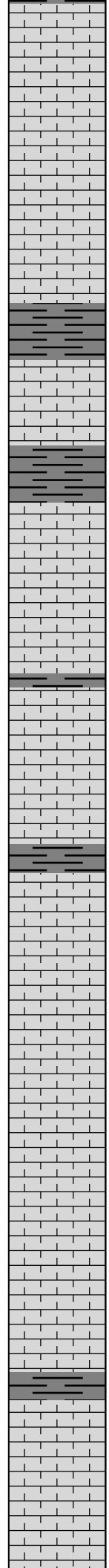
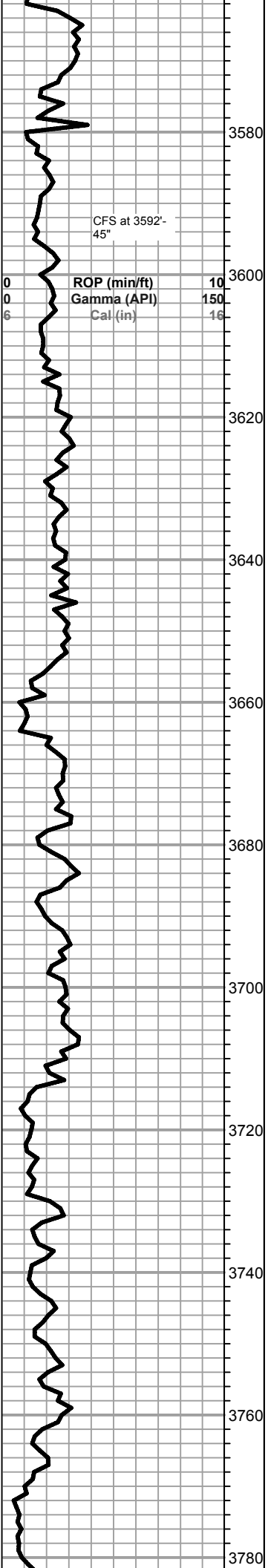
ROP (min/ft) 10
 Gamma (API) 150
 Cal (in) 16

Total Gas (units) 150
 C1 (units) 150
 C2 (units) 150
 C3 (units) 150
 C4 (units) 150

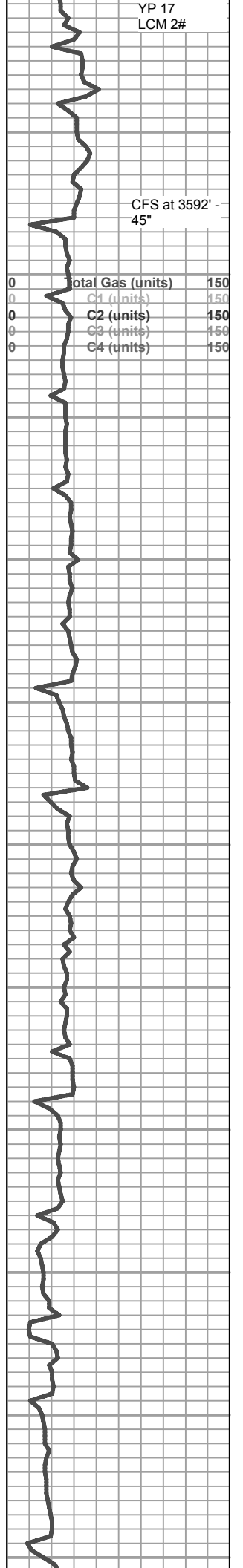
DST No. 1

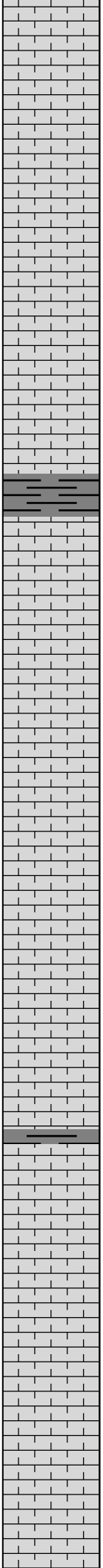
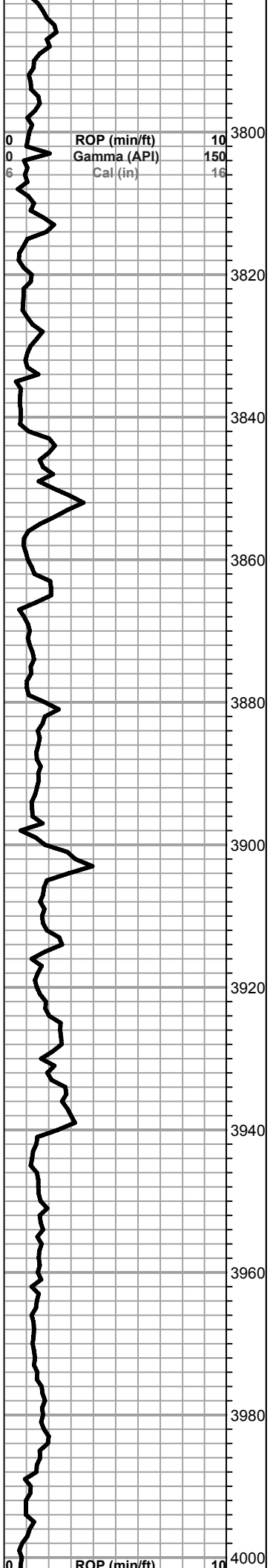
-----Stotler 3488 -697-----

-----Tarkio 3562 -771-----

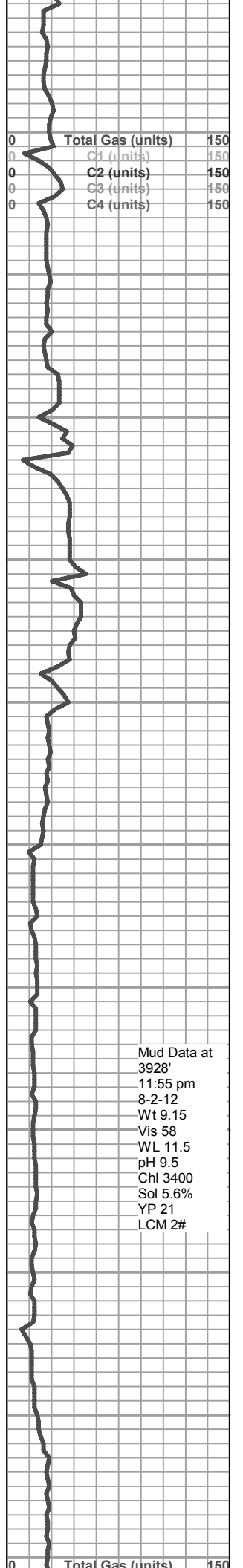


Ls-lt gry fxln dns no por
 Ls-AA
 Ls-crm/lt gry fxln mhd clkly no por sm Cht-tan fsh opac
 Ls-tan/lt gry f/mxln mhd sl clkly no por sm Cht-AA
 Ls-lt gry/tan fxln mhd/dns no por
 Ls-lt gry/gry fxln dns no por
 Sh-gry/dk gry
 Ls-lt gry/gry fxln dns no por
 Sh-gry/dk gry
 Ls-lt gry/crm fxln dns no por
 Ls-lt gry/crm f/mxln dns sl fos no por
 Ls-AA sm Cht-lt gry fsh opac
 Sh-gry/dk gry
 Ls-lt gry/gry f/mxln soft/mhd sl fos fr interxln por nsfo
 Ls-lt gry/gry fxln dns sl fos no por
 Ls-AA
 Sh-gry/dk gry
 Ls-tan/ltgry fxln dns no por
 Ls-tan/gry f/mxln mhd fos sl oom fr interxln/oom por nsfo
 Ls-tan/gry fxln mhd/dns no por
 Ls-crm/tan fxln dns no por
 Ls-crm/tan/lt gry fxln soft/mhd sl fos clkly fr interxln por nsfo
 Ls-AA
 Ls-crm/tan fxln mhd sl clkly no por
 Ls-lt gry f/mxln mhd fos no por
 Ls-lt gry/gry f/mxln mhd fos no por
 -----**Topeka 3758 -967**-----
 Ls-lt gry/crm f/mxln mhd fos no por sm Cht-crm/lt gry fsh opac
 Ls-lt gry f/mxln soft/mch fos sl clkly fr interxln por nsfo sm Cht-AA

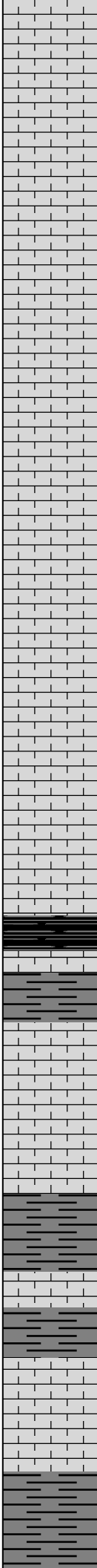
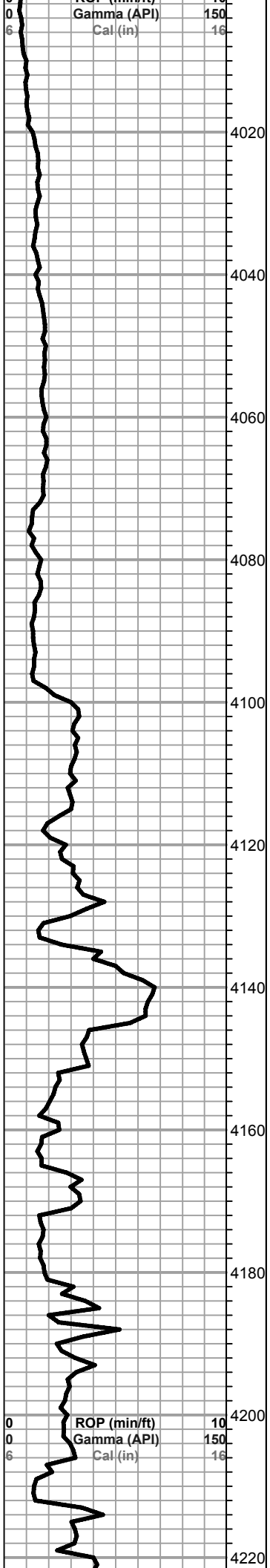




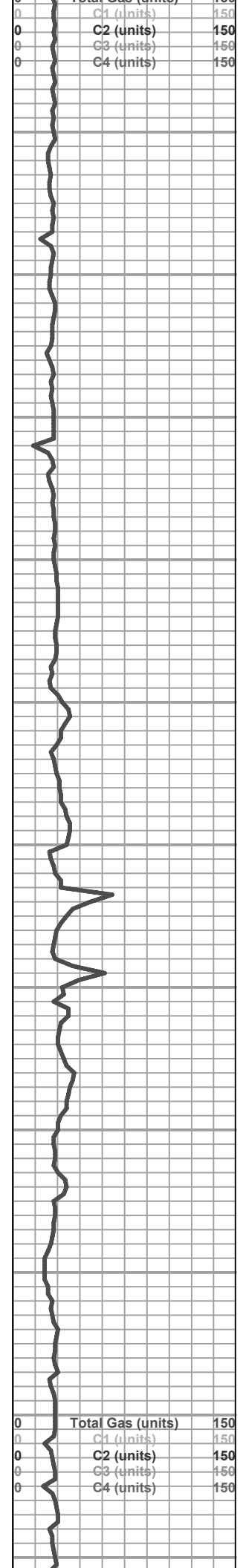
Ls-lt gry/crm fxln dns sl fos no por
 Ls-lt gry/crm/tan f/mxln mhd sl fos sl clky no por
 Ls-AA
 Ls-tan/lt gry f/mxln mhd fos sl clky fr interxln por nsfo
 Ls-AA
 Ls-tan/lt gry f/mxln mhd fos sl clky trc interxln por nsfo
 Ls-crm/lt gry f/mxln mhd sl fos sl clky no por
 Ls-crm/lt gry f/mxln soft sl fos sl clky fr interxln por nsfo
 sm Ls-wt fxln soft clky no por
 Ls-crm/lt gry f/mxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/gry fxln soft/mhd sl fos trc interxln por nsfo
 sm Ls-wt fxln soft clky no por
 Ls-tan/lt gry fxln mhd sl fos no por
 Ls-tan/gry f/mxln mhd fos no por sm Ls-wt fxln soft clky no por
 Ls- AA
 Ls-tan/gry f/mxln mhd fos no por
 Ls-AA
 Ls-tan/lt gry f/mxln dns fos no por
 Ls-tan/lt gry f/mxln mhd fos no por
 Ls-AA
 Ls-tan f/mxln mhd/dns sl fos no por
 Ls-AA
 -----LeCompton 3940 -1149-----
 Ls-crm/lt gry fxln mhd no por and Ls-wt fxln soft clky no por
 Ls-AA
 Ls-crm/lt tan f/mxln mhd sl fos no por and Ls-wt fxln soft
 clky no por
 Ls-AA
 Ls-crm/lt tan f/mxln mhd sl fos no por and Ls-wt fxln soft
 clky no por
 Ls-AA

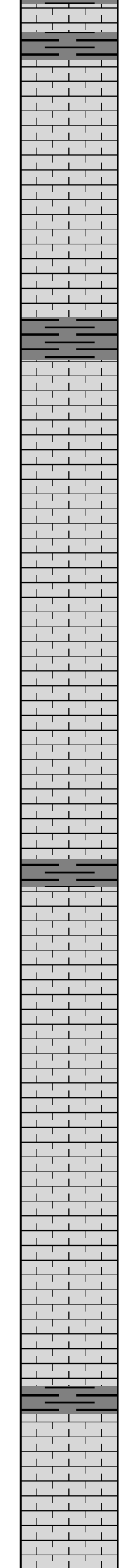
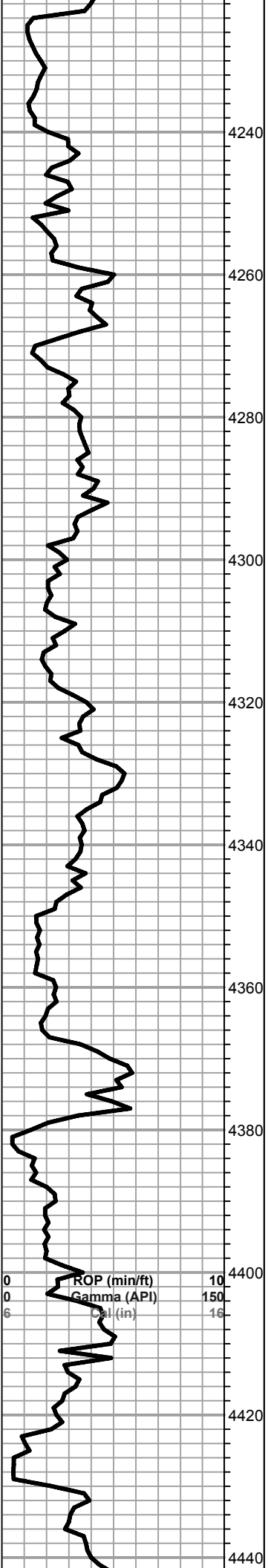


Mud Data at
 3928'
 11:55 pm
 8-2-12
 Wt 9.15
 Vis 58
 WL 11.5
 pH 9.5
 Chi 3400
 Sol 5.6%
 YP 21
 LCM 2#

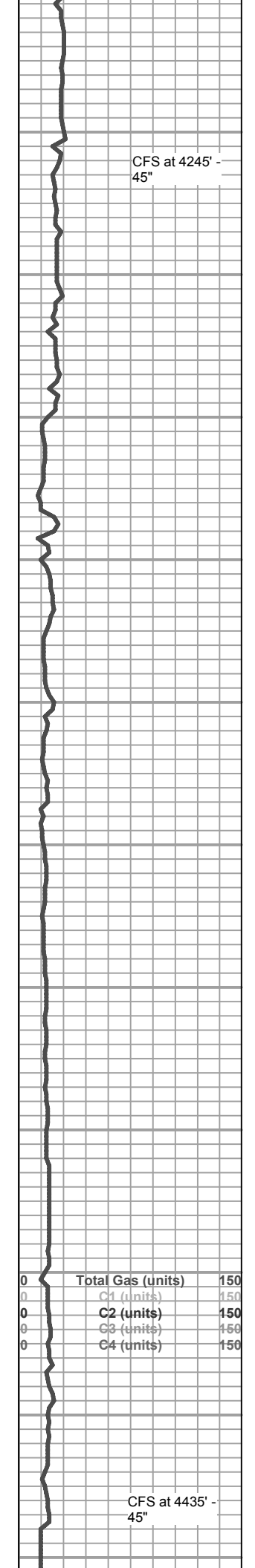


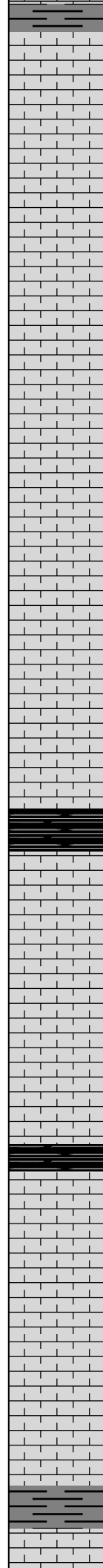
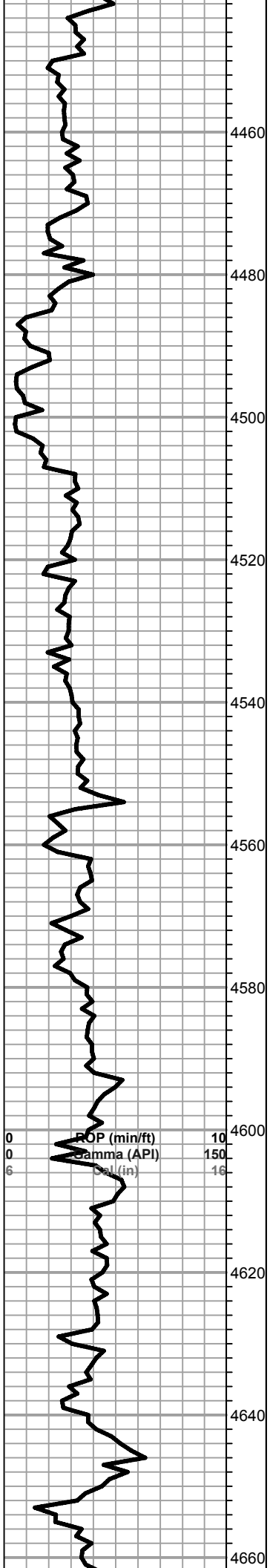
LS-AA
 Ls-AA
 Ls-crm/lt tan fxln soft/mhd sl fos sl clk no por and Ls-wt fxln soft clk no por
 Ls-AA
 Ls-AA
 Ls-crm/lt tan fxln soft/mhd sl fos sl clk no por and Ls-wt fxln soft clk no por
 Ls-AA
 Ls-AA
 Ls-crm/tan fxln mhd sl fos sl clk no por and Ls-wt fxln soft clk no por
 Ls-AA
 Ls-tan/lt gry f/mxln dns sl fos no por
 Ls-AA
 Ls-crm/wt fxln mhd sl clk trc interxln por nsfo
 Ls-crm/tan f/mxln dns sl fos no por
 -----Heebner 4130 -1339-----
 Sh-blk carb
 Ls-tan/brn f/mxln dns sl fos no por
 Sh-gry/dk gry
 -----Toronto 4145 -1354-----
 Ls-lt gry/tan f/mxln dns sl fos no por
 Ls-lt gry/tan f/mxln soft/mhd sl fos fr interxln por nsfo
 Ls-AA
 -----Douglas 4169 -1378-----
 Sh-gry/dk gry
 Ls-lt gry/tan fxln mhd sl fos no por
 Sh-gry/dk gry
 Ls-tan/crm micro to fxln dns no por sm Cht-wt fsh and weat
 Ls-AA and Cht-AA
 Sh-gry/dk gry





-----Lansing 4219 -1420-----
 Ls-gry/brn fxln dns sl fos no por
 -----Lansing 4228 -1437-----
 Ls-crm f/mxln soft/mhd trc interxln por nsfo and Ls-wt fxln soft clky no por
 Ls-crm/lt tan fxln mhd sl clky no por sm Cht-tan/lt gry fsh opac
 Ls-AA
 Ls-crm/lt tan fxln mhd sl clky no por sm Cht-tan/lt gry fsh opac
 Ls-crm/lt tan micro to fxln dns no por
 Sh-gry/dkgry
 Ls-lt gry/tan micro to fxln dns no por
 Ls-AA
 Ls-lt gry/tan/gry fxln dns no por
 Ls-AA
 Ls-tan/lt gry fxln dns no por sm Cht-tan fsh opac
 Ls-gry/tan/brn f/mxln dns no por sm Cht-AA
 Ls-gry/tan f/mxln dns no por sm Cht-wt fsh opac
 Ls-gry f/mxln dns no por
 Sh-gry/dk gry
 Ls-gry/brn f/mxln mhd sl fos fr interxln por nsfo
 Ls-AA
 Ls-tan m/cxln dns sl fos no por
 Ls-AA sm Cht-wt fsh opac
 Ls-tan/lt gry mxln soft sl fos fr interxln por nsfo
 Ls-tan/lt gry f/mxln mhd/dns sl fos no por
 Ls-AA
 Ls-tan/lt gry fxln dns sl fos nsfo
 Sh-gry/dk gry
 Ls-tan f/mxln fos sl ool gd ooc por nsfo
 Ls-crm/lt gry fxln dns no por
 Ls-AA





Sh-gry/dk gry

Ls-crm/tan fxln dns no por

Ls-crm/tan/lt gry fxln mhd/dns no por

Ls-AA

Ls-crm/tan fxln dns sl fos no por sm Ls-wt fxln soft clky no por

Ls-crm/tan fxln dns sl fos no por sm Ls-wt fxln soft clky no por

Ls-tan fxln mhd fos sl ool and oom sl ooc fr inter oom por pr ooc por

Ls-AA

Ls-AA

Ls-tan/lt brn fxln dns no por

Ls-AA

Ls-tan/lt gry/lt brn fxln dns no por

Ls-AA

Ls-tan/lt gry fxln dns no por

-----Stark 4555 -1764-----

Sh-blk carb

Ls-crm/lt gry fxln mhd no por

Ls-crm fxln dns no por sm Ls-wt fxln soft clky no por

Ls-crrm/tan fxln mhs sl clky no por sm Cht-wt/gry wt/gry fsh opac

Ls-tan fxln dns no por sm Cht-AA

Ls-tan/gry/brn micro to fxln dns sl fos no por sm Cht-lt gry/gry

Ls-tan/gry fxln mhd sl fos no por

-----Hushpuckney 4603 -1819-----

Sh-blk carb

Ls-tan/gry fxln dns sl fos no por

Ls-tan/brn micro to fxln dns no por sm Cht-lt gry/gry fsh opac

Ls-tan/brn micro to fxln dns no por sm Cht-gry/brn fsh opac

Ls-AA

Ls-tan micro to fxln dns no por

Sh-gry/dk gry

Ls-tan/gry f/mxln mhd fos sl ool and oom no por

Coming out of hole at 4435' at 1 pm on 8-3-12 to repair cooler on torque converter

Drilling again at 11:15 pmon 8-3-12

Mud Data at 4435' 11:45 pm 8-3-12
 Wt 9.3
 Vis 48
 WL 8.8
 pH 10.5
 Chl 2000
 Sol 7%
 YP 17
 LCM 3#

| | | |
|---|-------------------|-----|
| 0 | Total Gas (units) | 150 |
| 0 | C1 (units) | 150 |
| 0 | C2 (units) | 150 |
| 0 | C3 (units) | 150 |
| 0 | C4 (units) | 150 |

Mud Data at 4652' 11:30 pm 8-4-12
 Wt 9.25

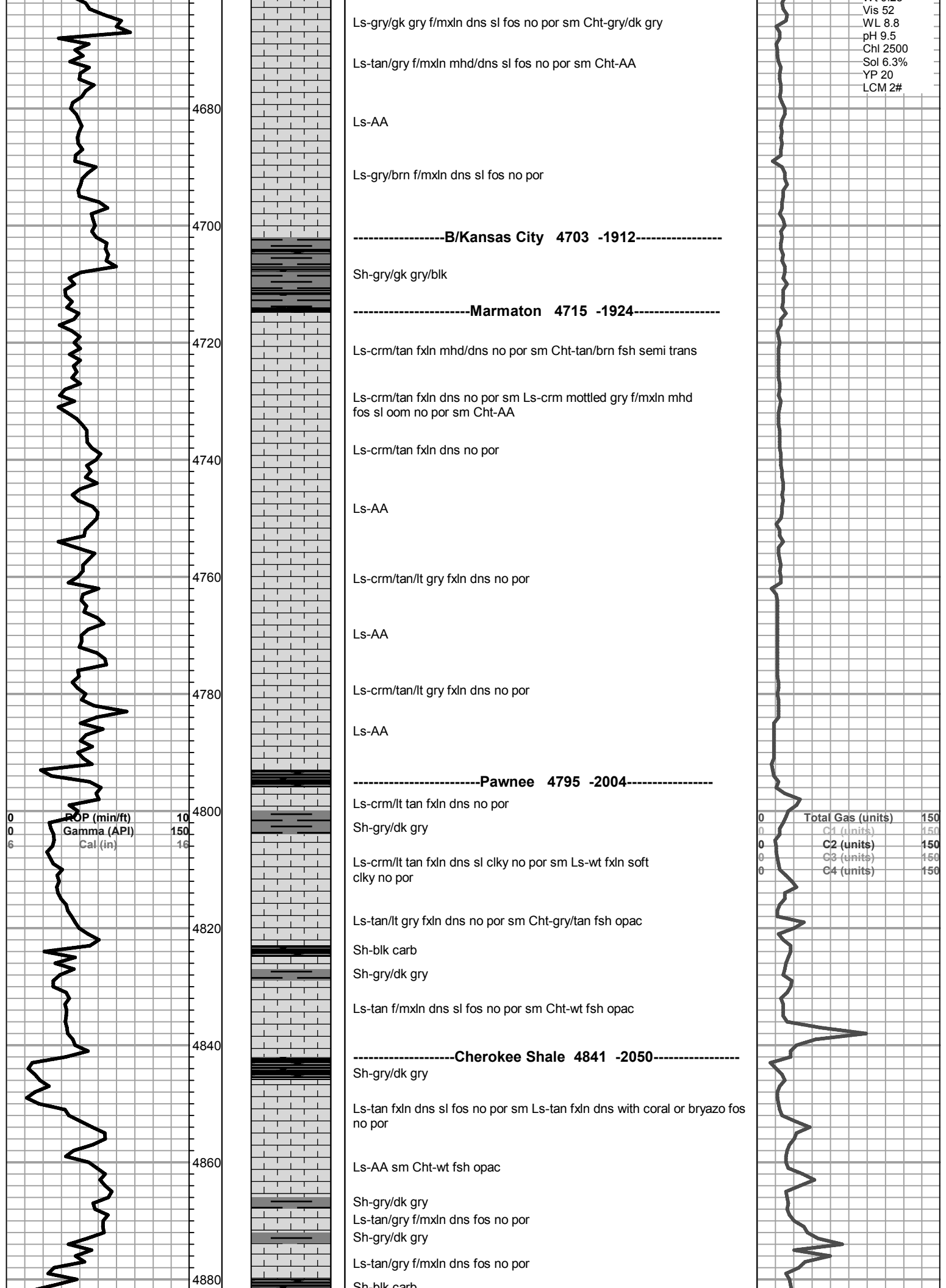
Vis 52
 WL 8.8
 pH 9.5
 Chl 2500
 Sol 6.3%
 YP 20
 LCM 2#

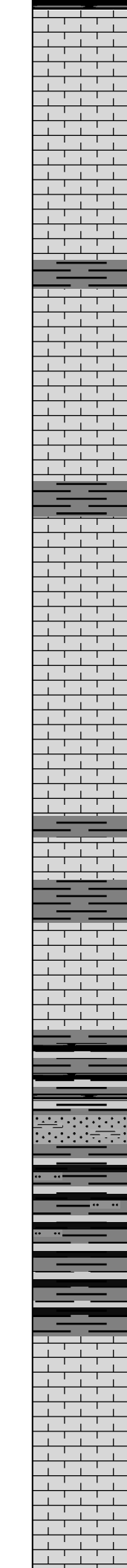
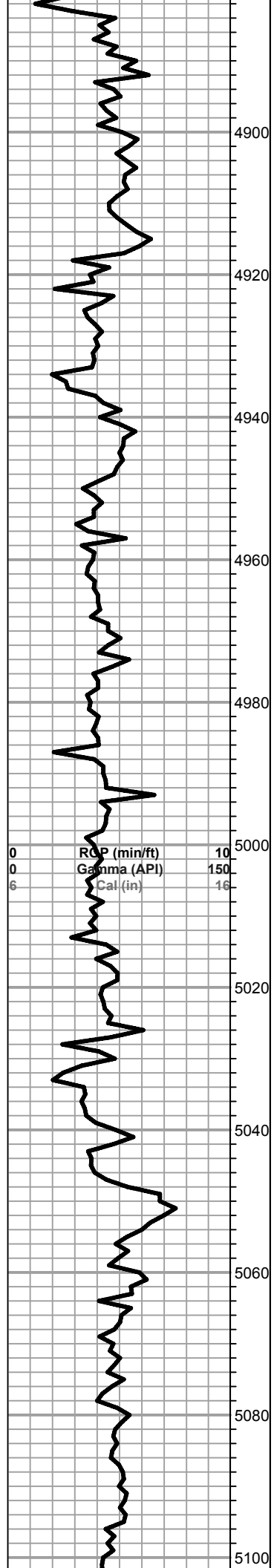
4680
 4700
 4720
 4740
 4760
 4780
 4800
 4820
 4840
 4860
 4880

Ls-gry/gk gry f/mxln dns sl fos no por sm Cht-gry/dk gry
 Ls-tan/gry f/mxln mhd/dns sl fos no por sm Cht-AA
 Ls-AA
 Ls-gry/brn f/mxln dns sl fos no por
 -----**B/Kansas City 4703 -1912**-----
 Sh-gry/gk gry/blk
 -----**Marmaton 4715 -1924**-----
 Ls-crm/tan fxln mhd/dns no por sm Cht-tan/brn fsh semi trans
 Ls-crm/tan fxln dns no por sm Ls-crm mottled gry f/mxln mhd
 fos sl oom no por sm Cht-AA
 Ls-crm/tan fxln dns no por
 Ls-AA
 Ls-crm/tan/lt gry fxln dns no por
 Ls-AA
 Ls-crm/tan/lt gry fxln dns no por
 Ls-AA
 -----**Pawnee 4795 -2004**-----
 Ls-crm/lt tan fxln dns no por
 Sh-gry/dk gry
 Ls-crm/lt tan fxln dns sl clk no por sm Ls-wt fxln soft
 clk no por
 Ls-tan/lt gry fxln dns no por sm Cht-gry/tan fsh opac
 Sh-blk carb
 Sh-gry/dk gry
 Ls-tan f/mxln dns sl fos no por sm Cht-wt fsh opac
 -----**Cherokee Shale 4841 -2050**-----
 Sh-gry/dk gry
 Ls-tan fxln dns sl fos no por sm Ls-tan fxln dns with coral or bryazo fos
 no por
 Ls-AA sm Cht-wt fsh opac
 Sh-gry/dk gry
 Ls-tan/gry f/mxln dns fos no por
 Sh-gry/dk gry
 Ls-tan/gry f/mxln dns fos no por
 Sh-blk carb

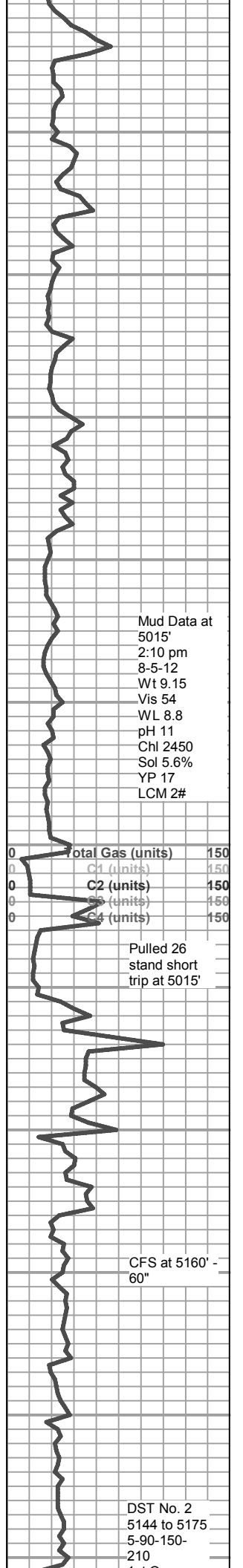
0 ROP (min/ft) 10
 0 Gamma (API) 150
 6 Cal (in) 16

0 Total Gas (units) 150
 0 C1 (units) 150
 0 C2 (units) 150
 0 C3 (units) 150
 0 C4 (units) 150





Sh-brk carb
 Ls-tan/gry/brn f/mxln dns fos no por sm Ls-tan fxln mhd
 fos ool and oom no por
 Ls-crm/tan/gry f/mxln dns sl fos no por sm Ls-tan/brn fxln
 mhd fos ool and oom no por
 Ls-tan/gry fxln dns no por
 Ls-AA
 Sh-gry/dk gry
 Ls-gry fxln dns no por
 Ls-lt gry/tan fxln mhd no por sm Cht-gry/wt/tan
 Ls-lt gry/tan fxln dns no por sm Cht-AA
 Sh-gry/dk gry
 Ls-tan/gry fxln dns no por sm Cht-tan/brn/gry wt
 Ls-AA
 Ls-brn fxln dns no por
 Ls-AA
 Sh-gry/dk gry
 Ls-gry/brn f/mxln dns no por
 Sh-gry/dk gry
 Ls-gry/brn f/mxln dns no por
 Ls-AA
 -----Morrow Shale 5026 -2235-----
 Sh-gry/dk gry/blk/grn
 Ss-gry/brn fgrn tite cement to sl fri gils cal cement nsfo or gas
 Sh-gry/dk gry/mar/sm Silt-grn
 Sh-AA
 -----Mississippi 5070 -2279-----
 Ls-lt gry/crm grn mhd/dns no por
 Ls-AA
 Ls-lt gry/crm fxln to gran dns no por
 Ls-AA

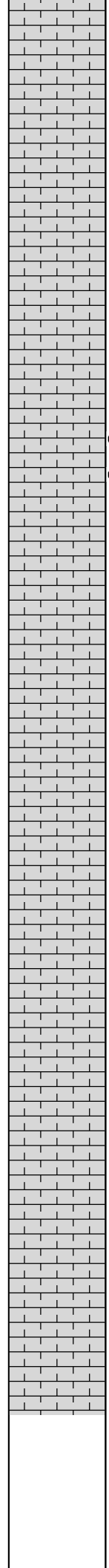
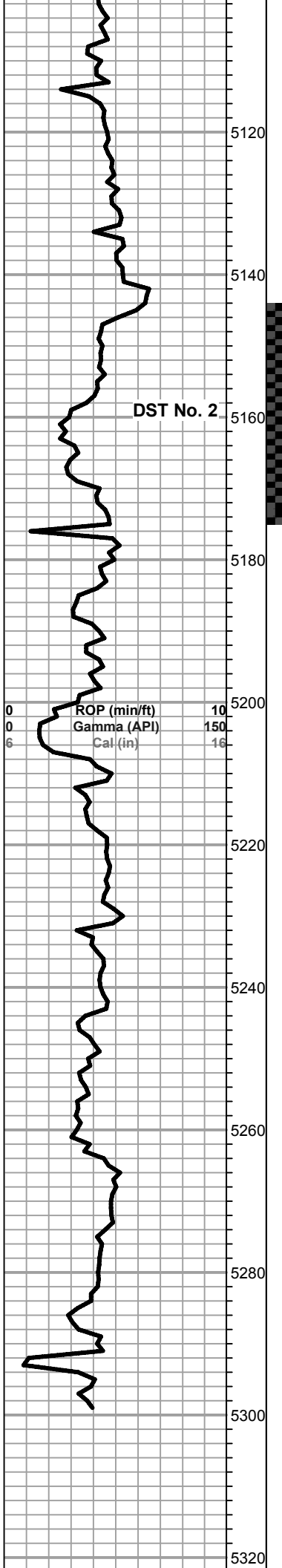


Mud Data at
 5015'
 2:10 pm
 8-5-12
 Wt 9.15
 Vis 54
 WL 8.8
 pH 11
 Chl 2450
 Sol 5.6%
 YP 17
 LCM 2#

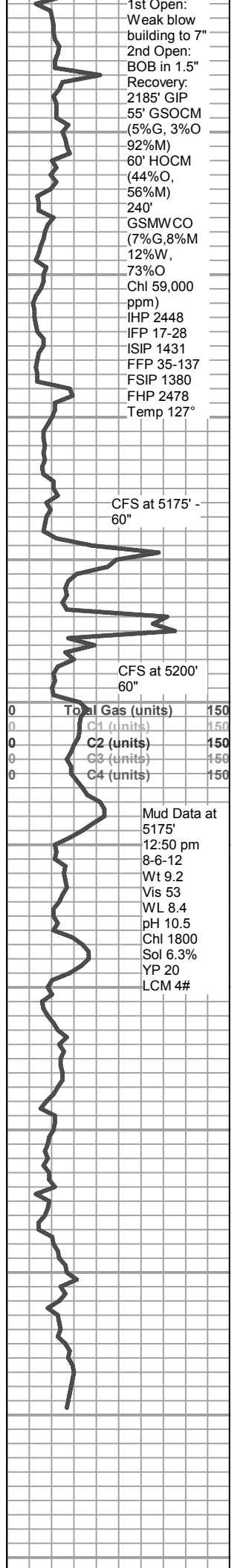
Total Gas (units) 150
 C1 (units) 150
 C2 (units) 150
 C3 (units) 150
 C4 (units) 150
 Pulled 26
 stand short
 trip at 5015'

CFS at 5160' -
 60"

DST No. 2
 5144 to 5175
 5-90-150-
 210



Ls-lt gry/crm fgran dns no por
 Ls-AA
 Ls-lt gry/crm fxl to sl gran dns nopor
 Ls-lt gry/crm gran dns no por
 Ls-lt gry/crm/lt tan fxl to gran dns no por
 Ls-crm f/mxln mhd/dns fos sl ool no por
 Ls-crm f/mxln mhd fos ool no por nsfo sm Ls-crm fxl to gran dns no por
 ool gr interool por fsfo on brk gd cut fr fluor faint odor
 Ls-crm/lt tan fxl mhd mhd/dns fos ool sl clk no por
 Ls-crm/tan fxl to gran fos sl ool mhd/dns no por
 Ls-crm/tan f/mxln mhd/dns fos no por
 Ls-crm/tan f/mxln mhd sl fos no por sm Cht-wt/lt org fsh opac
 Ls-crm/tan f/mxln mhd/dns fos sl oom no por
 sm Cht-wt/gry wt/tan/lt org/org fsh opac
 Ls-crm/tan f/mxln mhd fos sl ool fr interool por nsfo
 Ls-t
 crmtan f/mxln mhd/dns fos no por sm Cht-wt/lt gry fsh opac
 Ls-tan/lt gry f/mxln mhd/dns fos sl clk no por sm Cht-AA
 Ls-AA sm Cht-AA
 Ls-tan/lt gry f/mxln dns fos sl clk no por sm Cht-wt fsh opac
 Ls-crm/tan f/mxln mhd fos sl clk no por sm Cht-AA
 Ls-crm/lt tan fxl mhd sl fos sl clk no por sm Cht-wt fsh opac
 Ls-crm/lt tan f/mxln mhd sl fos sl ool no por sm Cht-AA
 Ls-crm/lt tan f/mxln mhd sl fos sl ool no por sm Cht-wt fsh opac
 Ls-AA sm Cht-AA
 Ls-crm/tan/lt gry f/mxln mhd fos sl clk sl ool no por sm Cht-AA
 Ls-crm/tan/lt gry mxln soft/mhd fos clk sl ool fr interxln por
 Ls-crm/tan f/mxln mhd/dns fos sl clk no por sm Cht-AA
 -----RTD 5300 -2509-----



Finished Drilling at 2:44 pm on 8-7-12. Cir for Log - 90"

Finished Logging at

5340

5360

5380

5400

5420

5440

5460

5480

| | | |
|---|--------------|-----|
| 0 | ROP (min/ft) | 10 |
| 0 | Gamma (API) | 150 |
| 6 | Cal (in) | 16 |

| | | |
|---|-------------------|-----|
| 0 | Total Gas (units) | 150 |
| 0 | C1 (units) | 150 |
| 0 | C2 (units) | 150 |
| 0 | C3 (units) | 150 |
| 0 | C4 (units) | 150 |