Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1089336

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 # 5316
Name: Falcon Exploration, Inc.
Address 1: 125 N MARKET STE 1252
Address 2:
City: WICHITA State: KS Zip: 67202 + 1719
Contact Person: CYNDE WOLF
Phone: (316) 262-1378
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: KEITH REAVIS
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 #:

04/19/2012	05/01/2012	05/02/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-069-20370-00-00
Spot Description:
_ - _ - SW - SW Sec. 1 Twp. 28 S. R. 30 ☐ East ☑ West
660 Feet from ☐ North / ☑ South Line of Section
660 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Gray
Lease Name: GREGORY LOVE Well #: 1-1(SW)
Field Name:
Producing Formation: NA
Elevation: Ground: 2788 Kelly Bushing: 2801
Total Vertical Depth: 5309 Plug Back Total Depth: 4314
Amount of Surface Pipe Set and Cemented at: 1881 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: 9900 ppm Fluid volume: 110 bbls
Dewatering method used: Evaporated

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: 08/07/2012
☑ **Confidential Release Date:** 08/07/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 08/13/2012

[redacted] 1089336

Operator Name: Falcon Exploration, Inc. Lease Name: GREGORY LOVE Well #: 1-1(SW)

Sec. 1 Twp. 28 S. R. 30 ☐ East ☑ West County: Gray

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	1881	65/35;CLASS A	825	GEL,CC
PRODUCTION	7.875	5.5	14.5	4331	AA2	250	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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 *(Amount and Kind of Material Used)*	Depth

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

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

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

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

PRODUCTION INTERVAL:

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

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	GREGORY LOVE 1-1(SW)
Doc ID	1089336

All Electric Logs Run

DIL
MEL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	GREGORY LOVE 1-1(SW)
Doc ID	1089336

Tops

Name	Top	Datum
STOTLER	3472	-671
TARKIO	3544	-743
HEEBNER	4106	-1305
LANSING	4206	-1405
PAWNEE	4788	-1987
CHEROKEE	4838	-2037
MORROW SH	5028	-2227
MISS/ST GEN	5072	-2271
ST LOUIS	5112	-2311

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	GREGORY LOVE #1-1 (SW)	**Report Date**	2012/04/24
Unique Well ID	DST #1, RED EAGLE, 3146-3186	**Prepared By**	TIM VENTERS
Surface Location	SEC 1-28S-30W		
Field	WILDCAT	**Qualified By**	KIETH REAVIS
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, RED EAGLE, 3146-3186		
Well Fluid Type	01 Oil		
Start Test Date	2012/04/24	**Start Test Time**	00:58:00
Final Test Date	1012/04/24	**Final Test Time**	10:30:00

Test Recovery:

RECOVERED: 150' MUD
60' WCM, 26% WATER, 74% MUD

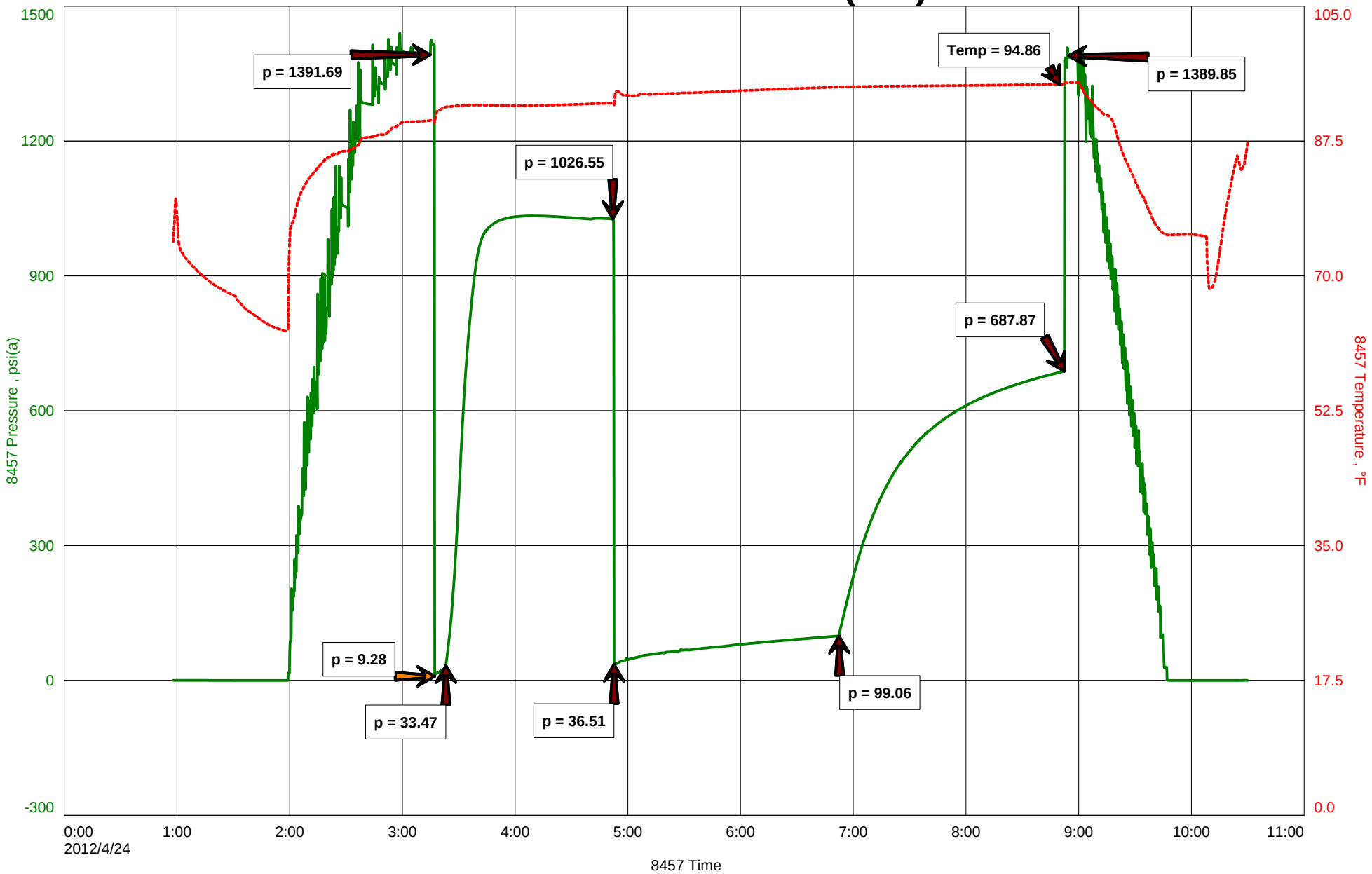
TOOL SAMPLE: TRACE OIL, 41% WATER, 59% MUD

CHLORIDES: 29,000 ppm
PH: 7.5
RW: .19 @ 86 deg.

FALCON EXPLORATION, INC.
DST #1, RED EAGLE, 3146-3186
Start Test Date: 2012/04/24
Final Test Date: 1012/04/24

GREGORY LOVE #1-1 (SW)
Formation: DST #1, RED EAGLE, 3146-3186
Pool: WILDCAT
Job Number: T046

GREGORY LOVE #1-1 (SW)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-1DST1

TIME ON: 00:58
TIME OFF: 10:30

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)

Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.

Elevation 2801 KB Formation RED EAGLE Effective Pay _____ Ft. Ticket No. T046

Date 4-24-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS

Test Approved By KIETH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 3146 ft. to 3186 ft. Total Depth 3186 ft.

Packer Depth 3141 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3146 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3127 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 3183 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 330 ft. I.D. 2 1/4 in.

Weight 8.55 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,000 P.P.M. Drill Pipe Length 2783 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 40 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 4 MIN. (NOBB)

2nd Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 20 MIN. (WSBB)

Recovered 150 ft. of MUD

Recovered 60 ft. of WCM, 26% WATER, 74% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of CHLORIDES: 29,000 ppm

Recovered _____ ft. of PH: 7.5

Remarks: RW: .19 @ 86 deg.

TOOL SAMPLE: TRACE OIL, 41% WATER, 59% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 3:17 AM A.M. P.M. Time Started Off Bottom 8:52 AM A.M. P.M. Maximum Temperature 95 deg.

Initial Hydrostatic Pressure..... (A) 1392 P.S.I.

Initial Flow Period..... Minutes 5 (B) 9 P.S.I. to (C) 33 P.S.I.

Initial Closed In Period..... Minutes 90 (D) 1027 P.S.I.

Final Flow Period..... Minutes 120 (E) 37 P.S.I. to (F) 99 P.S.I.

Final Closed In Period..... Minutes 120 (G) 688 P.S.I.

Final Hydrostatic Pressure..... (H) 1390 P.S.I.

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	GREGORY LOVE #1-1 (SW)	**Report Date**	2012/04/25
Unique Well ID	DST #2, STOTLER, 3432-3500	**Prepared By**	TIM VENTERS
Surface Location	SEC1-28S-30W, GRAY, CO. KS.		
Field	WILDCAT	**Qualified By**	KEITH REAVIS
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #2, STOTLER, 3432-3500		
Well Fluid Type	02 Gas		
Start Test Date	2012/04/25	**Start Test Time**	03:40:00
Final Test Date	2012/04/25	**Final Test Time**	12:21:00

Test Recovery:

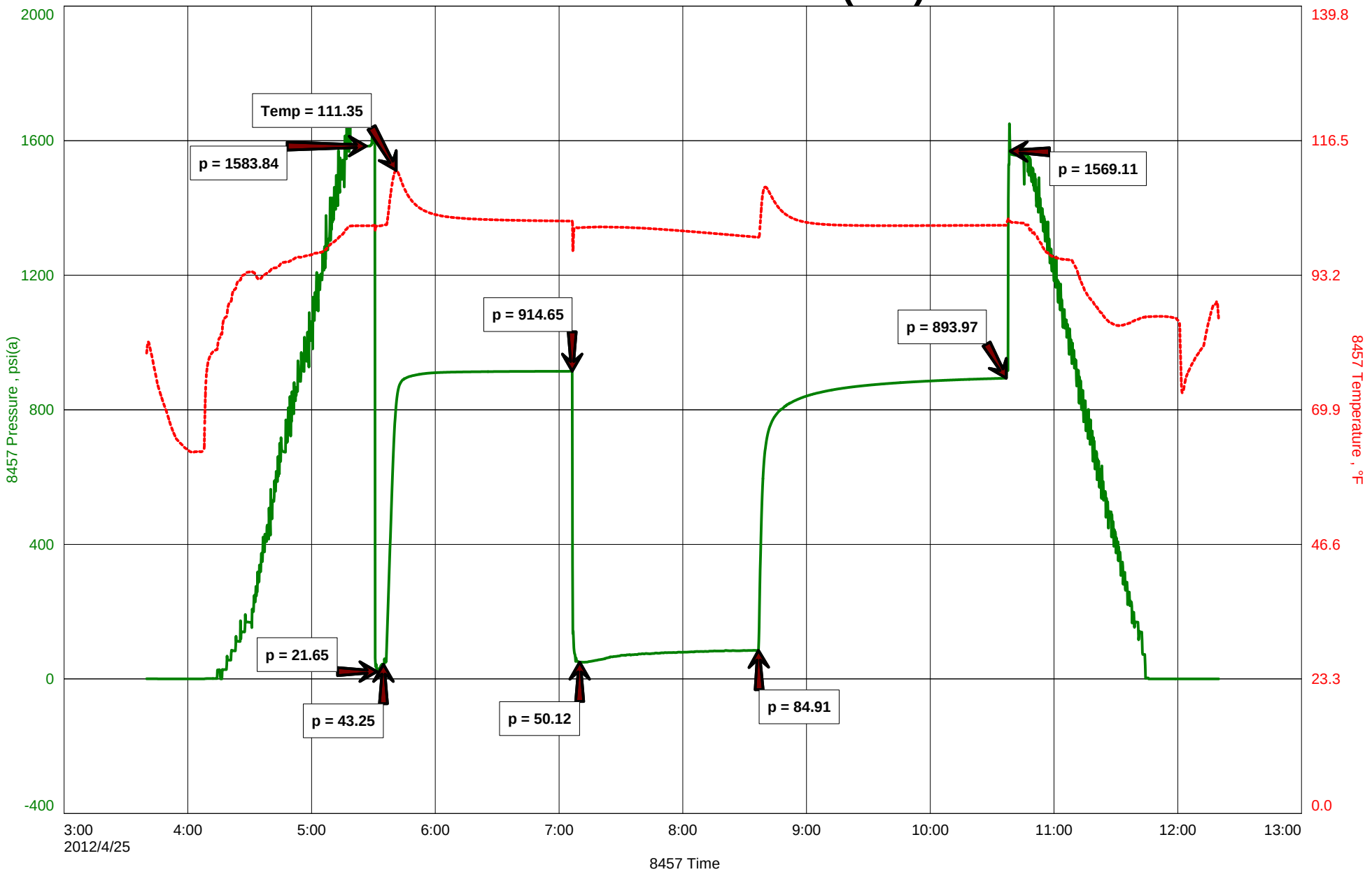
RECOVERED: 3350' GAS IN PIPE
150' MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

FALCON EXPLORATION, INC.
DST #2, STOTLER, 3432-3500
Start Test Date: 2012/04/25
Final Test Date: 2012/04/25

GREGORY LOVE #1-1 (SW)
Formation: DST #2, STOTLER, 3432-3500
Pool: WILDCAT
Job Number: T047

GREGORY LOVE #1-1 (SW)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET

FILE: GREGORYLOVE1-1SWDST2

TIME ON: 03:40

TIME OFF: 12:21

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)

Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.

Elevation 2801 KB Formation STOTLER Effective Pay ____ Ft. Ticket No. T047

Date 4-25-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS

Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 3432 ft. to 3500 ft. Total Depth 3500 ft.

Packer Depth 3427 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 3432 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3413 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 3497 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 330 ft. I.D. 2 1/4 in.

Weight 8.55 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,000 P.P.M. Drill Pipe Length 3069 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 36 ft. Size 4 1/2-FH in

32' DP IN ANCHOR

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 1 MIN. (NOBB)

2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (WSBB)

Recovered 3350 ft. of GAS IN PIPE

Recovered 150 ft. of MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

TOOL SAMPLE: TRACE OIL, 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 5:31 AM A.M. P.M. Time Started Off Bottom 10:36 AM A.M. P.M. Maximum Temperature 111 deg.

Initial Hydrostatic Pressure ..... (A) 1584 P.S.I.

Initial Flow Period ..... Minutes 5 (B) 22 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period ..... Minutes 90 (D) 915 P.S.I.

Final Flow Period ..... Minutes 90 (E) 50 P.S.I. to (F) 85 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 894 P.S.I.

Final Hydrostatic Pressure ..... (H) 1569 P.S.I.

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	GREGORY LOVE #1-1 (SW)	**Report Date**	2012/04/26
Unique Well ID	DST #3, TARKIO, 3536-3572	**Prepared By**	TIM VENTERS
Surface Location	SEC 1-28S-30W, GRAY CO. KS.		
Field	WILDCAT	**Qualified By**	KEITH REAVIS
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #3, TARKIO, 3536-3572		
Well Fluid Type	02 Gas		
Start Test Date	2012/04/25	**Start Test Time**	20:29:00
Final Test Date	2012/04/26	**Final Test Time**	05:24:00

Test Recovery:

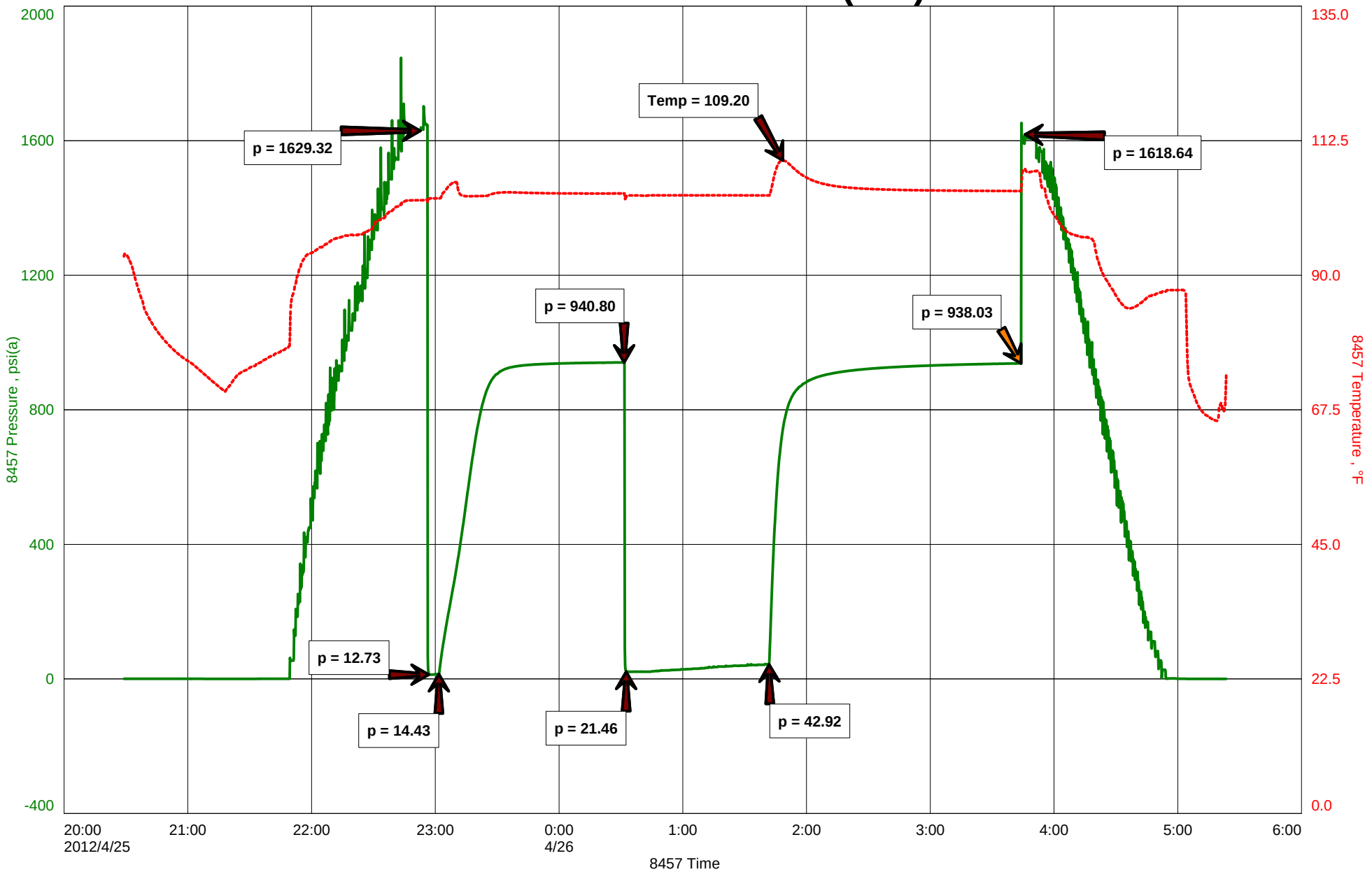
RECOVERED: 3425' GAS IN PIPE
80' MUD

TOOL SAMPLE: 100% MUD

FALCON EXPLORATION, INC.
DST #3, TARKIO, 3536-3572
Start Test Date: 2012/04/25
Final Test Date: 2012/04/26

GREGORY LOVE #1-1 (SW)
Formation: DST #3, TARKIO, 3536-3572
Pool: WILDCAT
Job Number: T048

GREGORY LOVE #1-1 (SW)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-1SWDST3

TIME ON: 20:29 4-25-12
TIME OFF: 05:24 4-26-12

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)

Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.

Elevation 2801 KB Formation TARKIO Effective Pay ____ Ft. Ticket No. T048

Date 4-25-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS

Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 3536 ft. to 3572 ft. Total Depth 3572 ft.

Packer Depth 3531 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 3536 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3517 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 3569 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 330 ft. I.D. 2 1/4 in.

Weight 8.8 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,650 P.P.M. Drill Pipe Length 3173 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 36 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 2 MIN. (NOBB)

2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (NOBB)

Recovered 3425 ft. of GAS IN PIPE

Recovered 80 ft. of MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

TOOL SAMPLE: 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 10:56 PM A.M. P.M. Time Started Off Bottom 3:44 AM A.M. P.M. Maximum Temperature 109 deg.

Initial Hydrostatic Pressure ..... (A) 1629 P.S.I.

Initial Flow Period ..... Minutes 5 (B) 13 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period ..... Minutes 90 (D) 941 P.S.I.

Final Flow Period ..... Minutes 70 (E) 21 P.S.I. to (F) 43 P.S.I.

Final Closed In Period ..... Minutes 123 (G) 938 P.S.I.

Final Hydrostatic Pressure ..... (H) 1619 P.S.I.

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	GREGORY LOVE #1-1 (SW)	**Report Date**	2012/04/28
Unique Well ID	DST #4, LANSING, 4180-4237	**Prepared By**	TIM VENTERS
Surface Location	SEC 1-28S-30W, GRAY CO. KS.		
Field	WILDCAT	**Qualified By**	KEITH REAVIS
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #4, LANSING, 4180-4237		
Well Fluid Type	02 Gas		
Start Test Date	2012/04/27	**Start Test Time**	15:02:00
Final Test Date	2012/04/28	**Final Test Time**	01:43:00

Test Recovery:

RECOVERED: 3910' GAS IN PIPE
180' MUD
60' HMCW, 58% WATER, 42% MUD
240' TOTAL FLUID

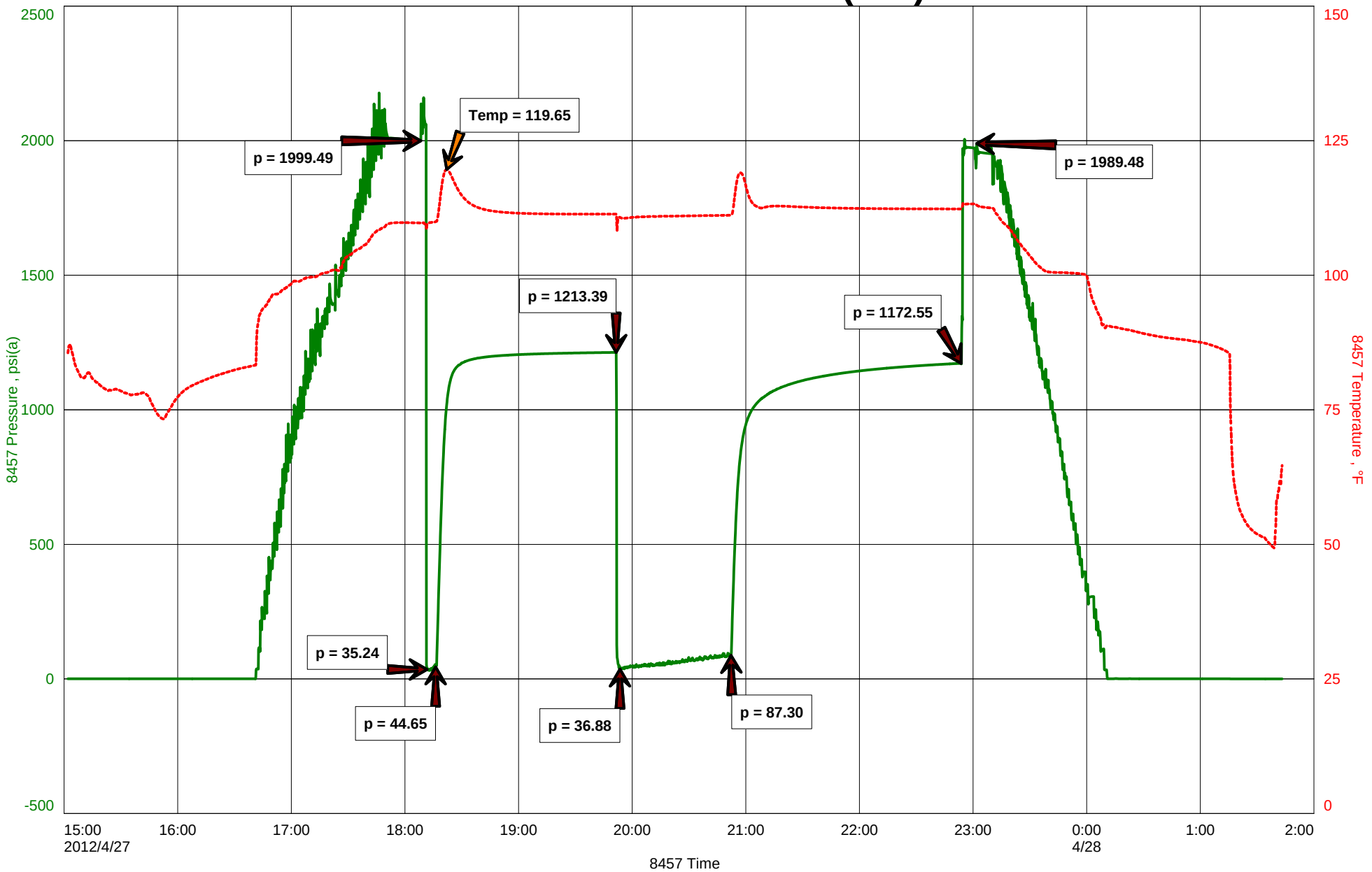
TOOL SAMPLE: TRACE OIL, 17% WATER, 83% MUD

CHLORIDES: 51,000 ppm
PH: 6.5
RW: .14 @ 69 deg.

FALCON EXPLORATION, INC.
DST #4, LANSING, 4180-4237
Start Test Date: 2012/04/27
Final Test Date: 2012/04/28

GREGORY LOVE #1-1 (SW)
Formation: DST #4, LANSING, 4180-4237
Pool: WILDCAT
Job Number: T049

GREGORY LOVE #1-1 (SW)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-1SWDST4

TIME ON: 15:02 4-27-12
TIME OFF: 01:43 4-28-12

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)

Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.

Elevation 2801 KB Formation LANSING Effective Pay ____ Ft. Ticket No. T049

Date 4-27-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS

Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4180 ft. to 4237 ft. Total Depth 4237 ft.

Packer Depth 4175 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 4180 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4161 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4234 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 330 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,600 P.P.M. Drill Pipe Length 3817 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: GOOD 2 1/2 INCH BLOW, BUILDING, REACHING BOB 45 SEC. (NOBB)

2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (NOBB)

Recovered 3910 ft. of GAS IN PIPE

Recovered 189 ft. of MUD

Recovered 60 ft. of HMCW, 58% WATER, 42% MUD

Recovered ____ ft. of ____

Recovered ____ ft. of CHLORIDES: 51,000 ppm

Recovered ____ ft. of PH: 6.5

Remarks: RW: .14 @ 69 deg.

TOOL SAMPLE: TRACE OIL, 17% WATER, 83% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 6:15 PM A.M. P.M. Time Started Off Bottom 10:50 PM A.M. P.M. Maximum Temperature 120 deg.

Initial Hydrostatic Pressure ..... (A) 1999 P.S.I.

Initial Flow Period ..... Minutes 5 (B) 35 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period ..... Minutes 90 (D) 1213 P.S.I.

Final Flow Period ..... Minutes 60 (E) 37 P.S.I. to (F) 87 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 1173 P.S.I.

Final Hydrostatic Pressure ..... (H) 1989 P.S.I.

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

Kansas
Corporation Commission

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

August 07, 2012

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

Re: ACO1
API 15-069-20370-00-00
GREGORY LOVE 1-1(SW)
SW/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

ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

27030

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

SERVICE POINT: LIBERAL, KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
4-21-12	1	28S	30W			1:30	4:30 AM

LEASE	WELL #	LOCATION	COUNTY	STATE
Gregory Love	1-1	Copeland KS N to Old 61 AA to N Ent	GRAY	KS

OLD OR (NEW) (Circle one)

CONTRACTOR Sterling #5

TYPE OF JOB 8⅝ Surface

HOLE SIZE 12¼ T.D.

CASING SIZE 8⅝ DEPTH 1881'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 600 MINIMUM 0

MEAS. LINE SHOE JOINT 40.83

CEMENT LEFT IN CSG. 40.83'

PERFS.

DISPLACEMENT 117.2

EQUIPMENT

PUMP TRUCK CEMENTER Rick
#531/541 HELPER Ceasar

BULK TRUCK
#472/467 DRIVER Angel

BULK TRUCK
#457/261 DRIVER Francisco

OWNER SAME

CEMENT

AMOUNT ORDERED 675 65/35 6% Gel 3% CC ¼# Flo Seal
150 A 2% Gel 3% CC

COMMON	150 A	@16.25	2437.50
POZMIX		@	
GEL	3 SK	@21.25	63.75
CHLORIDE	28 SK	@58.00	1624.00
ASC		@	
	675 SK Lite	@15.00	10125.00
		@	
	Flosen 169 lb	@2.20	456.30
		@	
		@	
		@	
		@	
		@	
HANDLING	863	@2.25	1941.75
MILEAGE	5¢ x mi x 11		4746.20

TOTAL 21420.40

REMARKS:

Thank You

SERVICE

DEPTH OF JOB	1881'		
PUMP TRUCK CHARGE			1925.00
EXTRA FOOTAGE		@	
MILEAGE	100	@7.00	700.00
MANIFOLD + Head		@200.00	200.00
LITE Mi 100 Mi		@4.00	400.00
		@	

TOTAL 3225.00

CHARGE TO: Falcon Exp

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8⅝

3- Baskets		@478.00	1434.00
3- Centralizers		@64.00	192.00
1- AFO		@	382.00
1- Guide Shoe		@	394.00
1- 5-W Plug (Top)		@	112.00

TOTAL 2514.00

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX

TOTAL CHARGE 27139.40

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE

PRINTED NAME

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: Falcon Exploration	Lease No.	Date: 5-2-12	
Lease: Gregory Lease	Well #: 1-1 SW	Service Receipt	
Casing	Depth	County: Gray	State: KS
Job Type: 5½ Production	Formation	Legal Description: 1-28-30	

Pipe Data		Perforating Data		Cement Data
Casing size: 5½ 14#	Tubing Size: JTS	Shots/Ft		Lead: 300sk AA-2 5%w-60, 10% Salt, .6%C-15, ¼ #/sk C.F., 5#/sk Gilsonite
Depth: 4331 Ft	Depth	From	To	
Volume: 105.2 BBL	Volume	From	To	
Max Press	Max Press	From	To	Tail in
Well Connection	Annulus Vol.	From	To	
Plug Depth: 4311.5 Ft	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate	Service Log
0630					On Location - Spot & Rig up
					Start running 4½ casing
1100					Casing on Bottom - Break Circ.
1130					Plug Rat & Mouse Holes w/ 50sk AA-2
1645	400		12	4	Pump 500 Gal of Super Flush
1649	400		5	4	Pump 5 BBL of Fresh water
1650	400		67	5	Mix 250sk AA-2 @ 14.8 PPG
1709					Shut down - Drop top Plug - Clean Lines
1721	200		0	6.5	Displace with Fresh Water
1732	300		58	6.5	Displacement Reaches Cement
1736	750		95	5	Slow Rate
1741	800-1300		105		Bump Plug
1743	1300-0				Release Pressure - Floats held
					Thank You

Service Units	21755	35114/14919	37623/37924			
Driver Names	Kirby	Ruben	Santiago	Scott		

Leon
Customer Representative

Jerry Bennett
Station Manager

Kirby Harper
Cementer

OPERATOR

Company:	Falcon Exploration, Inc		
Address:	125 N. Market Suite 1252 Wichita, KS 67202		
Contact Geologist:	Brian Fisher		
Contact Phone Nbr:	316-262-1378		
Well Name:	Gregory Love #1-1 (SW)		
Location:	Sec. 1 - T28S - R30W	API:	15-069-20370-0000
Pool:		Field:	Renegade SE
State:	Kansas	Country:	USA

Scale 1:240 Imperial

Well Name:	Gregory Love #1-1 (SW)		
Surface Location:	Sec. 1 - T28S - R30W		
Bottom Location:			
API:	15-069-20370-0000		
License Number:	5316		
Spud Date:	4/19/2012	Time:	12:00 AM
Region:	Gray County		
Drilling Completed:	5/1/2012	Time:	7:15 AM
Surface Coordinates:	660' FSL & 660' FWL		
Bottom Hole Coordinates:			
Ground Elevation:	2788.00ft		
K.B. Elevation:	2801.00ft		
Logged Interval:	2600.00ft	To:	5309.00ft
Total Depth:	5309.00ft		
Formation:	Mississippian		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude:	
N/S Co-ord:	660' FSL		
E/W Co-ord:	660' FWL		

LOGGED BY

Keith Reavis
Consulting Geologist

Company:	Keith Reavis, Inc.		
Address:	3420 22nd Street Great Bend, KS 67530		
Phone Nbr:	620-617-4091		
Logged By:	KLG #136	Name:	Keith Reavis

CONTRACTOR

Contractor:	Sterling Drilling Company		
Rig #:	5		
Rig Type:	mud rotary		
Spud Date:	4/19/2012	Time:	12:00 AM
TD Date:	5/1/2012	Time:	7:15 AM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	2801.00ft	Ground Elevation:	2788.00ft
K.B. to Ground:	13.00ft		

NOTES

A Tooke Daq gas detection system owned and operated by Sterling Drilling was employed on this well. ROP and gas curve data were imported into this report. The gamma ray and caliper curves were imported form the electrical log data as well. The recorded drill time and sample tops were consistently 3 - 5 ft. high to log tops. The curves were not shifted to provide an exact match.

Due to success of drill stem tests and favorable electrical log analysis, it was determined that 5 1/2" production casing be set and cemented through the Lansing A and identified production be further tested through perforations and stimulation.

The samples from this well were saved and will be made available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,
Keith Reavis

Falcon Exploration, Inc

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
04/22/2012		Geologist Keith Reavis on location @ 2300 hrs, 2492 ft., drilling ahead
04/23/2012	2846	drilling ahead, Chase Group, Ft. Riley, Cottonwood, Neva, Red Eagle gas kick and structure warrants DST, short trip, displace, TOH
04/24/2012	3186	conduct and complete DST #1, successful test, TIH w/bit, resume drilling
04/25/2012	3500	drilling ahead, Stotler, gas kick warrants test, TOH for DST #2, conducting DST #2, complete DST, successful test, TIH w/bit, resume drilling, cut Tarkio, gas kicks warrant DST, TOH and in with tools for DST #3
04/26/2012	3572	complete DST #3, successful test, resume drilling, Bern, Topeka, Lecompton
04/27/2012	4167	drilling ahead, Heebner, Tornoto, Douglas, Lansing, decide to test Lansing A zone, short trip, TOH for DST #4, conducting DST #4
04/28/2012	4255	complete DST #4, successful test, resume drilling, LKC, Stark
04/29/2012	4679	drilling ahead, lower KC, Marmaton, Pawnee, Cherokee
04/30/2012	4995	drilling ahead, Cherokee, Morrow, Mississippian, St. Gen.
05/01/2012	5307	drilling ahead, Mississippian, St. Louis, TD @ 5309 ft., cfs, short trip TOH for logs, conduct logging operations, geologist off loc @ 2130 hrs

Falcon Exploration, Inc.

well comparison sheet

	DRILLING WELL Gregory Love #1-1 660' FSL & 660' FWL Sec. 1 T28S R30W				COMPARISON WELL Falcon - Love 1-1 330' FSL & 2200' FEL Sec. 1 T28S R30W				COMPARISON WELL Harold Smith #1-12 880' FNL & 1720' FWL Sec. 12 T28S R30W			
	2801 KB				2808 KB		Structural Relationship		2808 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Chase	2630	171	2640	161	2646	162	9	-1	2640	168	3	-7
Winfield	2710	91	2713	88	2718	90	1	-2	2721	87	4	1
Towanda	2756	45	2760	41	2762	46	-1	-5	2765	43	2	-2
Ft. Riley	2809	-8	2810	-9	2816	-8	0	-1	2817	-9	1	0
Cottonwood	3050	-249	3054	-253	3066	-258	9	5	3059	-251	2	-2
Neva	3129	-328	3132	-331	3142	-334	6	3	3148	-340	12	9
Foraker	3236	-435	3240	-439	3250	-442	7	3	3247	-439	4	0
Stotler	3469	-668	3472	-671	3488	-680	12	9	3483	-675	7	4
Tarkio	3545	-744	3545	-744	3562	-754	10	10	3558	-750	6	6
Topeka	3744	-943	3744	-943	3759	-951	8	8	3756	-948	5	5
Lecompton	3910	-1109	3916	-1115	3939	-1131	22	16	3939	-1131	22	16
Heebner	4102	-1301	4106	-1305	4118	-1310	9	5	4105	-1297	-4	-8
Lansing	4204	-1403	4208	-1407	4216	-1408	5	1	4204	-1396	-7	-11
lower G por	4395	-1594	4400	-1599	4399	-1591	-3	-8	4395	-1587	-7	-12
Stark	4539	-1738	4543	-1742	4549	-1741	3	-1	4540	-1732	-6	-10
Marmaton	4696	-1895	4701	-1900	4710	-1902	7	2	4700	-1892	-3	-8
Pawnee	4782	-1981	4788	-1987	4792	-1984	3	-3	4784	-1976	-5	-11
Cherokee	4832	-2031	4837	-2036	4845	-2037	6	1	4833	-2025	-6	-11
Morrow	5023	-2222	5028	-2227	5030	-2222	0	-5	5024	-2216	-6	-11
Miss St. Gen.	5065	-2264	5072	-2271	5055	-2247	-17	-24	5063	-2255	-9	-16
St. Lo B Por.	5169	-2368	5175	-2374	5159	-2351	-17	-23	5151	-2343	-25	-31
Salem	np				5328	-2520			np			
Total Depth	5309	-2508	5314	-2513	5632	-2824	316	311	5282	-2474	-34	-39

ROCK TYPES

Dolprim, Dolsec, sdy lmst, Lmst fw<7, Lmst fw7>, shale, grn, shale, gry, Carbon Sh, shale, red, Shcol, Ss

ACCESSORIES

MINERAL
- Argillaceous
- Chert, dark
- Dolomitic
- Glauconite
- Mineral Crystals
- Pyrite
- Sandy
- Silty
- Chert White

FOSSIL
- Bioclastic or Fragmental
- Bryozoa
- F Fossils < 20%
- Oolite
- Pellets
- Oomoldic

STRINGER
- Limestone
- Sandstone
- Shale
- green shale
- red shale
- carb shale

TEXTURE
- C Chalky
- CX Cryptocrystalline
- L Lithogr

OTHER SYMBOLS

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

DST
- DST Int
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

Depth | Intervals
Cored Interval
DST Interval
2600
2620
2640
2660

DST

Lithology
F

Oil Show

Geological Descriptions

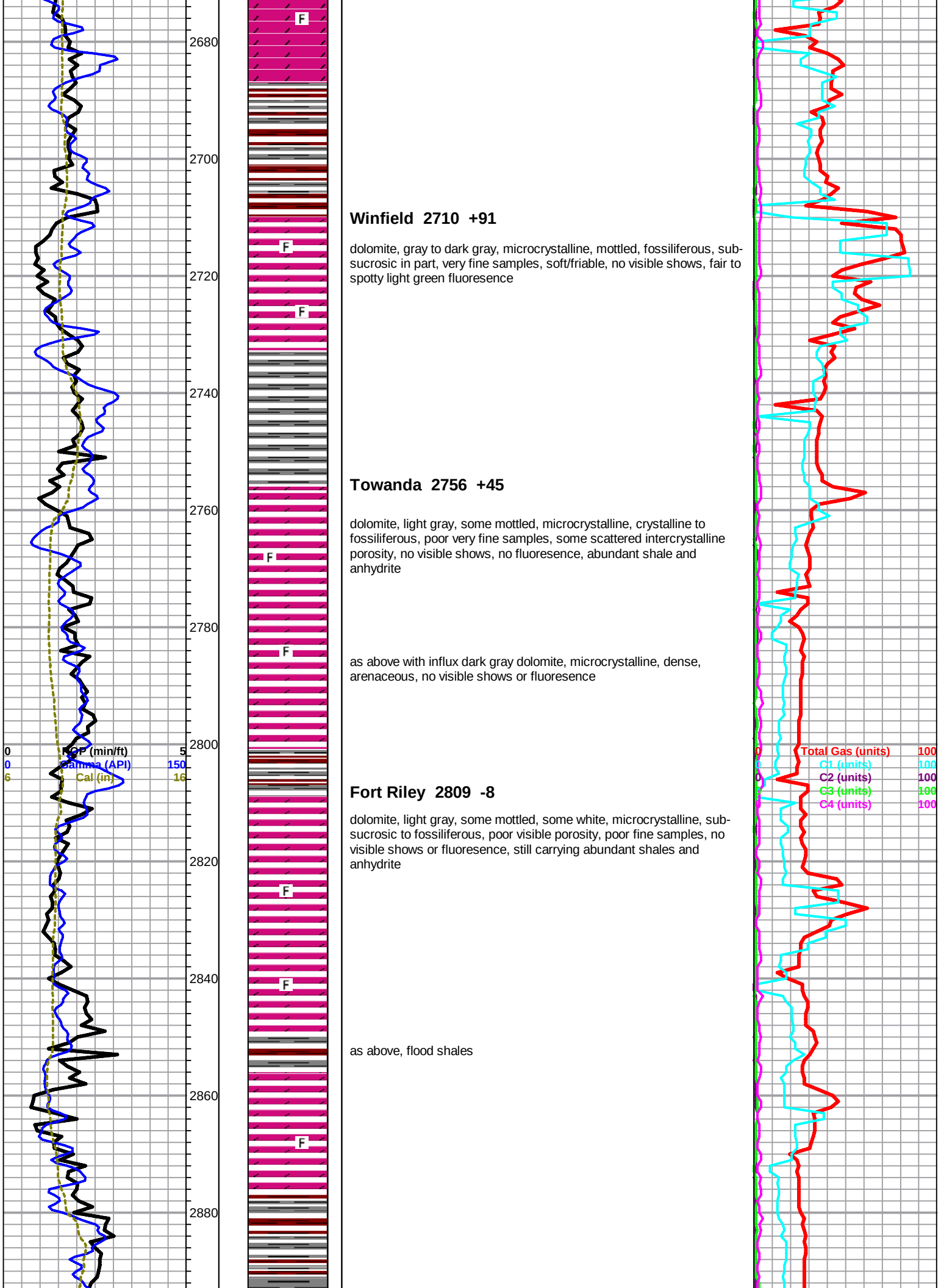
elevation 2801' KB
surface casing set @ 1886' KB

Chase Group 2630 +171

dolomite, light gray to gray mottled, microcrystalline, fairly dense, poor visible porosity, with dolomite, dark gray, microcrystalline, dense, arenaceous, no shows, no fluoresence, with abundant red shales and anhydrite

dolomite, as above with: dolomite, light gray, microcrystalline, sucrosic, to dolomite, mottled gray altered fossiliferous, some fractures and small vugs, no shows, no fluoresence, still carrying abundant shale and anhydrite as above

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100



Winfield 2710 +91

dolomite, gray to dark gray, microcrystalline, mottled, fossiliferous, sub-sucrosic in part, very fine samples, soft/friable, no visible shows, fair to spotty light green fluoresence

Towanda 2756 +45

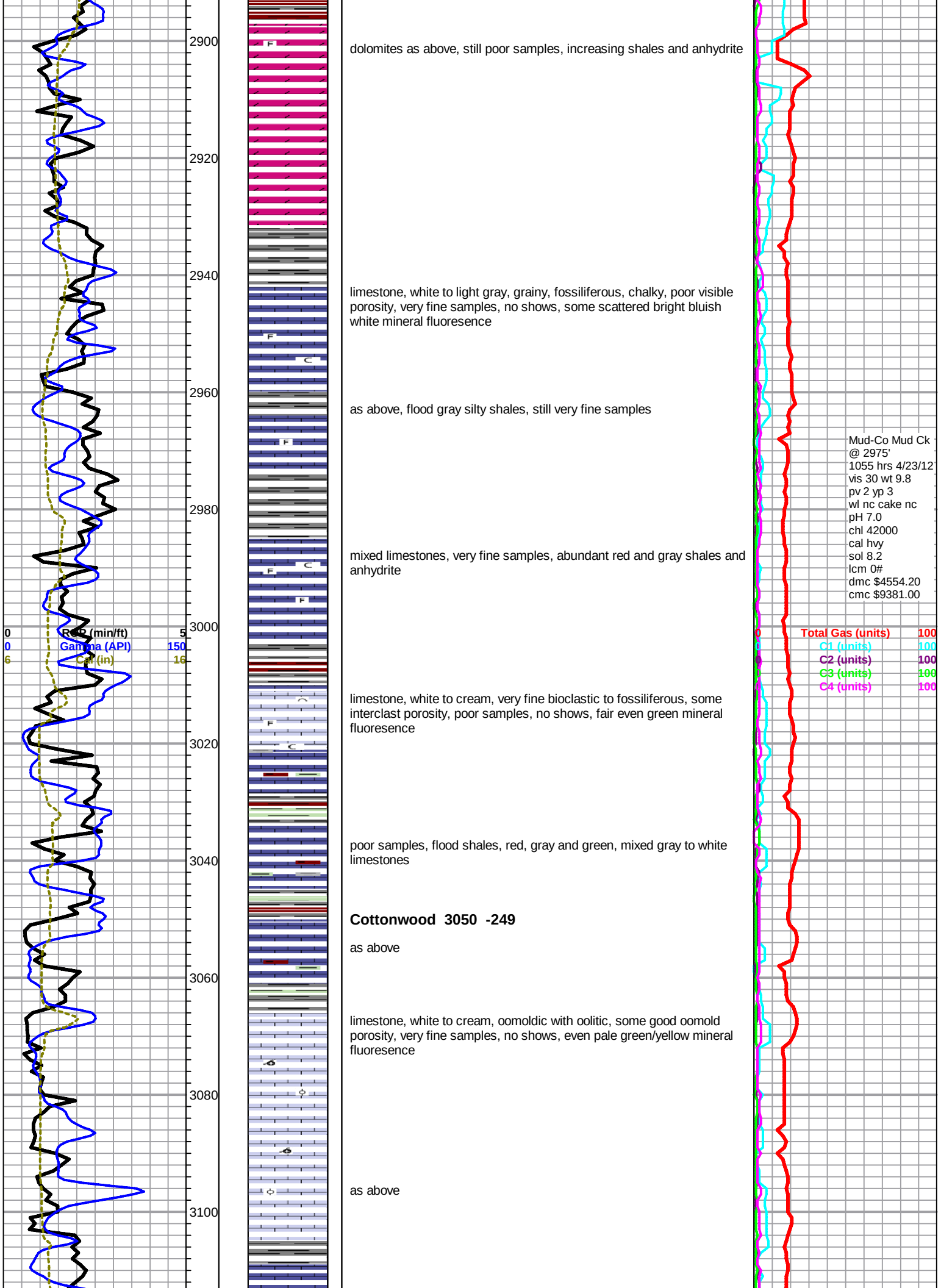
dolomite, light gray, some mottled, microcrystalline, crystalline to fossiliferous, poor very fine samples, some scattered intercrystalline porosity, no visible shows, no fluoresence, abundant shale and anhydrite

as above with influx dark gray dolomite, microcrystalline, dense, arenaceous, no visible shows or fluoresence

Fort Riley 2809 -8

dolomite, light gray, some mottled, some white, microcrystalline, sub-sucrosic to fossiliferous, poor visible porosity, poor fine samples, no visible shows or fluoresence, still carrying abundant shales and anhydrite

as above, flood shales



dolomites as above, still poor samples, increasing shales and anhydrite

limestone, white to light gray, grainy, fossiliferous, chalky, poor visible porosity, very fine samples, no shows, some scattered bright bluish white mineral fluoresence

as above, flood gray silty shales, still very fine samples

Mud-Co Mud Ck
@ 2975'
1055 hrs 4/23/12
vis 30 wt 9.8
pv 2 yp 3
wl nc cake nc
pH 7.0
chl 42000
cal hvy
sol 8.2
lcm 0#
dmc $4554.20
cmc $9381.00

mixed limestones, very fine samples, abundant red and gray shales and anhydrite

limestone, white to cream, very fine bioclastic to fossiliferous, some interclast porosity, poor samples, no shows, fair even green mineral fluoresence

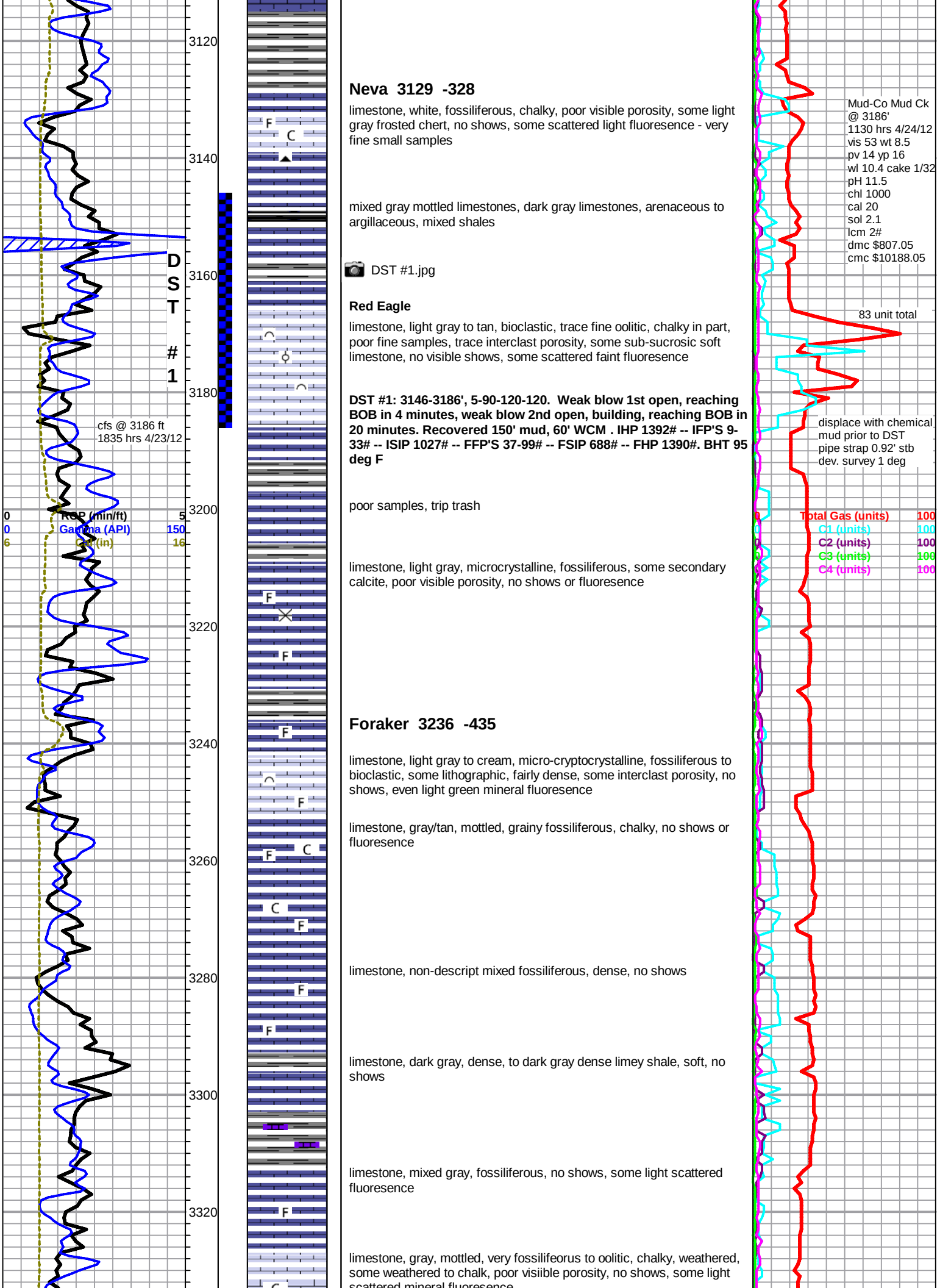
poor samples, flood shales, red, gray and green, mixed gray to white limestones

Cottonwood 3050 -249

as above

limestone, white to cream, oomoldic with oolitic, some good oomold porosity, very fine samples, no shows, even pale green/yellow mineral fluoresence

as above



Neva 3129 -328

limestone, white, fossiliferous, chalky, poor visible porosity, some light gray frosted chert, no shows, some scattered light fluoresence - very fine small samples

mixed gray mottled limestones, dark gray limestones, arenaceous to argillaceous, mixed shales

DST #1.jpg

Red Eagle

limestone, light gray to tan, bioclastic, trace fine oolitic, chalky in part, poor fine samples, trace interclast porosity, some sub-sucrosic soft limestone, no visible shows, some scattered faint fluoresence

DST #1: 3146-3186', 5-90-120-120. Weak blow 1st open, reaching BOB in 4 minutes, weak blow 2nd open, building, reaching BOB in 20 minutes. Recovered 150' mud, 60' WCM . IHP 1392# -- IFP'S 9-33# -- ISIP 1027# -- FFP'S 37-99# -- FSIP 688# -- FHP 1390#. BHT 95 deg F

poor samples, trip trash

limestone, light gray, microcrystalline, fossiliferous, some secondary calcite, poor visible porosity, no shows or fluoresence

Foraker 3236 -435

limestone, light gray to cream, micro-cryptocrystalline, fossiliferous to bioclastic, some lithographic, fairly dense, some interclast porosity, no shows, even light green mineral fluoresence

limestone, gray/tan, mottled, grainy fossiliferous, chalky, no shows or fluoresence

limestone, non-descript mixed fossiliferous, dense, no shows

limestone, dark gray, dense, to dark gray dense limey shale, soft, no shows

limestone, mixed gray, fossiliferous, no shows, some light scattered fluoresence

limestone, gray, mottled, very fossilifeorus to oolitic, chalky, weathered, some weathered to chalk, poor visiible porosity, no shows, some light scattered mineral fluoresence

scattered mineral fluoresence

limestone, cream, microcrystalline, fossiliferous, some large clasts, poor visible porosity, fairly dense, no shows, no fluoresence

shale, light gray, soft, to red, red wash in samples

limestone, light gray, pelletal to fossiliferous, weathered, abundant shale infill between clasts, abundant chalk, poor visible porosity, no shows, some fair green/white mineral fluoresence

limestone, cream, some light gray, microcrystalline, fossilifeorus, dense, no shows, abundant chalk, scattered pale bluish/white mineral fluoresence, white chalky wash in samples

as above

soft gray mushy shales, some brick red, gray sample wash

DST #2: 3432-3500', 5-90-90-120. Recovered 150' mud. Gas gauge 2nd flow: 10 min/121 MCF, 20 min/156 MCF, 30 min/174 MCF, 40 min/186 MCF, 50 min/193 MCF, 60 min/202.5 MCF, 70 min/208 MCF, 80 min/211 MCF, 90 min/213.5 MCF. IHP 1584# -- IFP'S 22-43# -- ISIP 915# -- FFP'S 50-85# -- FSIP 894# -- FHP 1569#. BHT 111 deg F.

Stotler 3469 -668

limestone, mixed gray to cream, some mottled, pelletal to fossiliferous to gray and cream cryptocrystalline slightly fossiliferous to lithographic, dense, no shows or fluoresence

DST #2.jpg

limestone, cream, bioclastic, chalky in part, poor visible interclast porosity, some fractures, good show gas bubbles on break, good even green fluoresence

limestone, grades to brown/tan and gray mottled fossiliferous, some cream oolitic, chalky, no shows

limestone, gray dense fossiliferous to pelletal, cream to light gray cryptocrystalline lithographic to fossiliferous, dense, some scattered gray and cream cherts, no shows, some fair light mineral fluoresence

as above with pale gray green to gray limestone, cryptocrystalline, lithographic to fossiliferous, some green argillaceous limestone, green silty shales

Tarkio 3545 -744

limestone, light gray to tan, microcrystalline, fossiliferous to arenaceous, poor visible porosity, trace bubbles on break, with abundant chert (appx

3340 3360 3380 3400 3420 3440 3460 3480 3500 3520 3540

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

DST #2

cfs @ 3500 ft
0120 hrs
4/25/12

DST

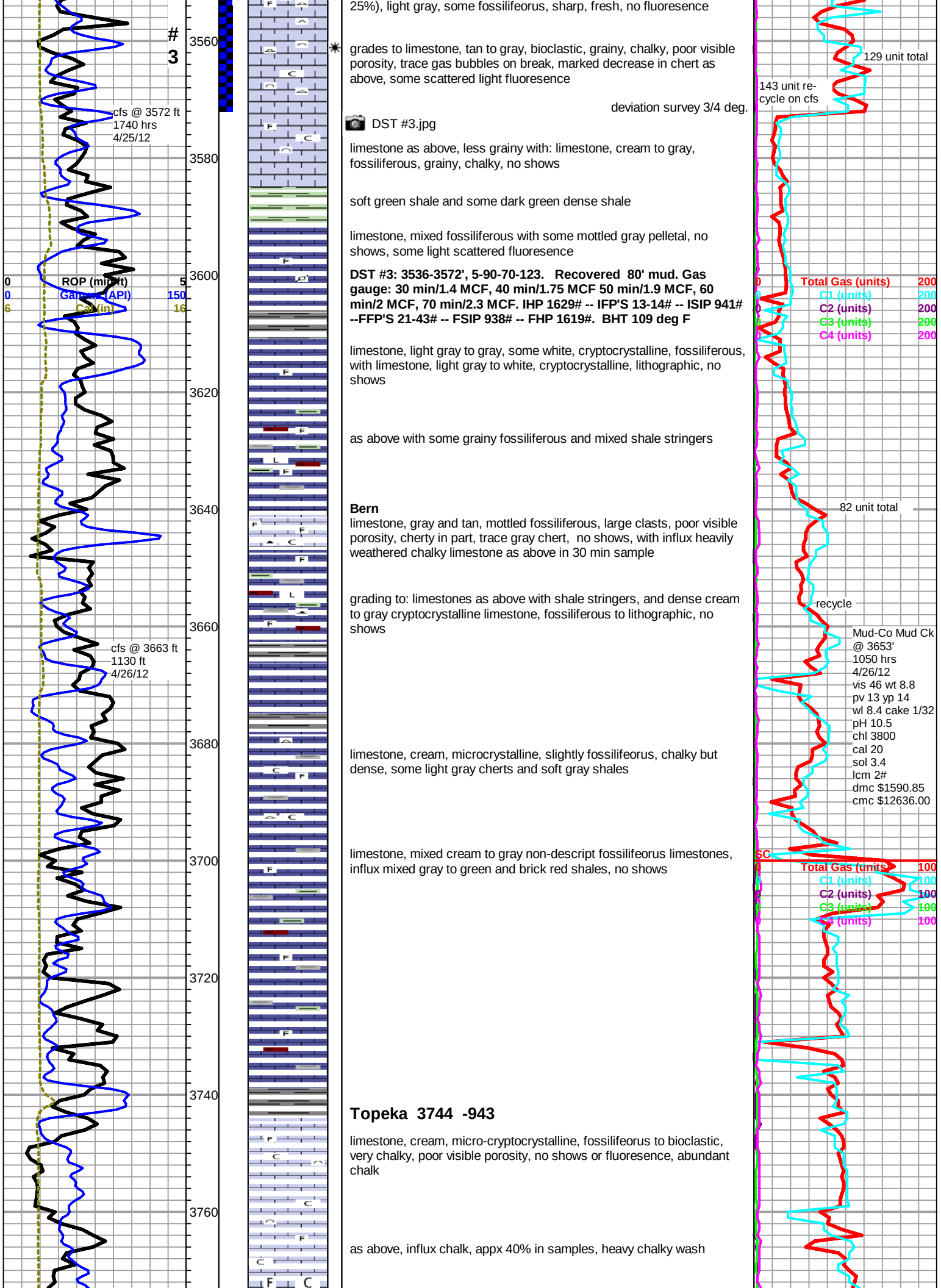
Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

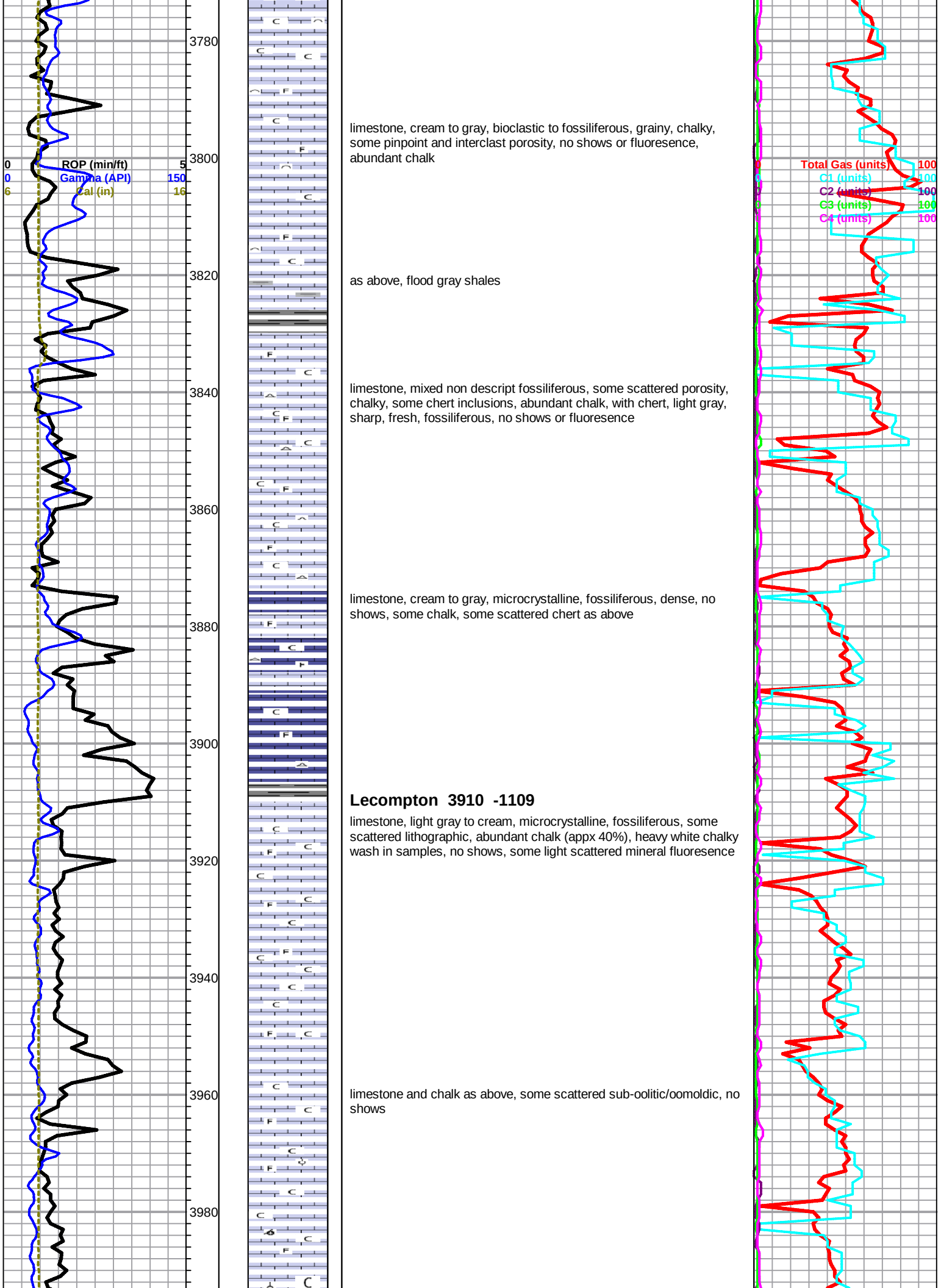
120 unit total

SC
Total Gas (units) 200
C1 (units) 200
C2 (units) 200
C3 (units) 200
C4 (units) 200

Mud-Co Mud Ck
@ 3500'
1230 hrs 4/25/12
vis 46 wt 8.8
pv 14 yp 14
wl 9.6 cake 1/32
pH 10.5
chl 3650
cal 20
sol 3.4
lcm 2#
dmc $857.10
cmc $11045.15

123 unit total


#
3
3560
3580
3600
3620
3640
3660
3680
3700
3720
3740
3760
cfs @ 3572 ft
1740 hrs
4/25/12
cfs @ 3663 ft
1130 ft
4/26/12
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
25%), light gray, some fossilifeorus, sharp, fresh, no fluoresence
grades to limestone, tan to gray, bioclastic, grainy, chalky, poor visible porosity, trace gas bubbles on break, marked decrease in chert as above, some scattered light fluoresence
deviation survey 3/4 deg.
DST #3.jpg
limestone as above, less grainy with: limestone, cream to gray, fossiliferous, grainy, chalky, no shows
soft green shale and some dark green dense shale
limestone, mixed fossiliferous with some mottled gray pelletal, no shows, some light scattered fluoresence
DST #3: 3536-3572', 5-90-70-123. Recovered 80' mud. Gas gauge: 30 min/1.4 MCF, 40 min/1.75 MCF 50 min/1.9 MCF, 60 min/2 MCF, 70 min/2.3 MCF. IHP 1629# -- IFP'S 13-14# -- ISIP 941# --FFP'S 21-43# -- FSIP 938# -- FHP 1619#. BHT 109 deg F
limestone, light gray to gray, some white, cryptocrystalline, fossiliferous, with limestone, light gray to white, cryptocrystalline, lithographic, no shows
as above with some grainy fossiliferous and mixed shale stringers
Bern
limestone, gray and tan, mottled fossiliferous, large clasts, poor visible porosity, cherty in part, trace gray chert, no shows, with influx heavily weathered chalky limestone as above in 30 min sample
grading to: limestones as above with shale stringers, and dense cream to gray cryptocrystalline limestone, fossiliferous to lithographic, no shows
limestone, cream, microcrystalline, slightly fossilifeorus, chalky but dense, some light gray cherts and soft gray shales
limestone, mixed cream to gray non-descript fossilifeorus limestones, influx mixed gray to green and brick red shales, no shows
Topeka 3744 -943
limestone, cream, micro-cryptocrystalline, fossilifeorus to bioclastic, very chalky, poor visible porosity, no shows or fluoresence, abundant chalk
as above, influx chalk, appx 40% in samples, heavy chalky wash
129 unit total
143 unit re-cycle on cfs
0 Total Gas (units) 200
0 C1 (units) 200
0 C2 (units) 200
0 C3 (units) 200
0 C4 (units) 200
82 unit total
recycle
Mud-Co Mud Ck
@ 3653'
1050 hrs
4/26/12
vis 46 wt 8.8
pv 13 yp 14
wl 8.4 cake 1/32
pH 10.5
chl 3800
cal 20
sol 3.4
lcm 2#
dmc $1590.85
cmc $12636.00
SC
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100



limestone, cream to gray, bioclastic to fossiliferous, grainy, chalky, some pinpoint and interclast porosity, no shows or fluoresence, abundant chalk

as above, flood gray shales

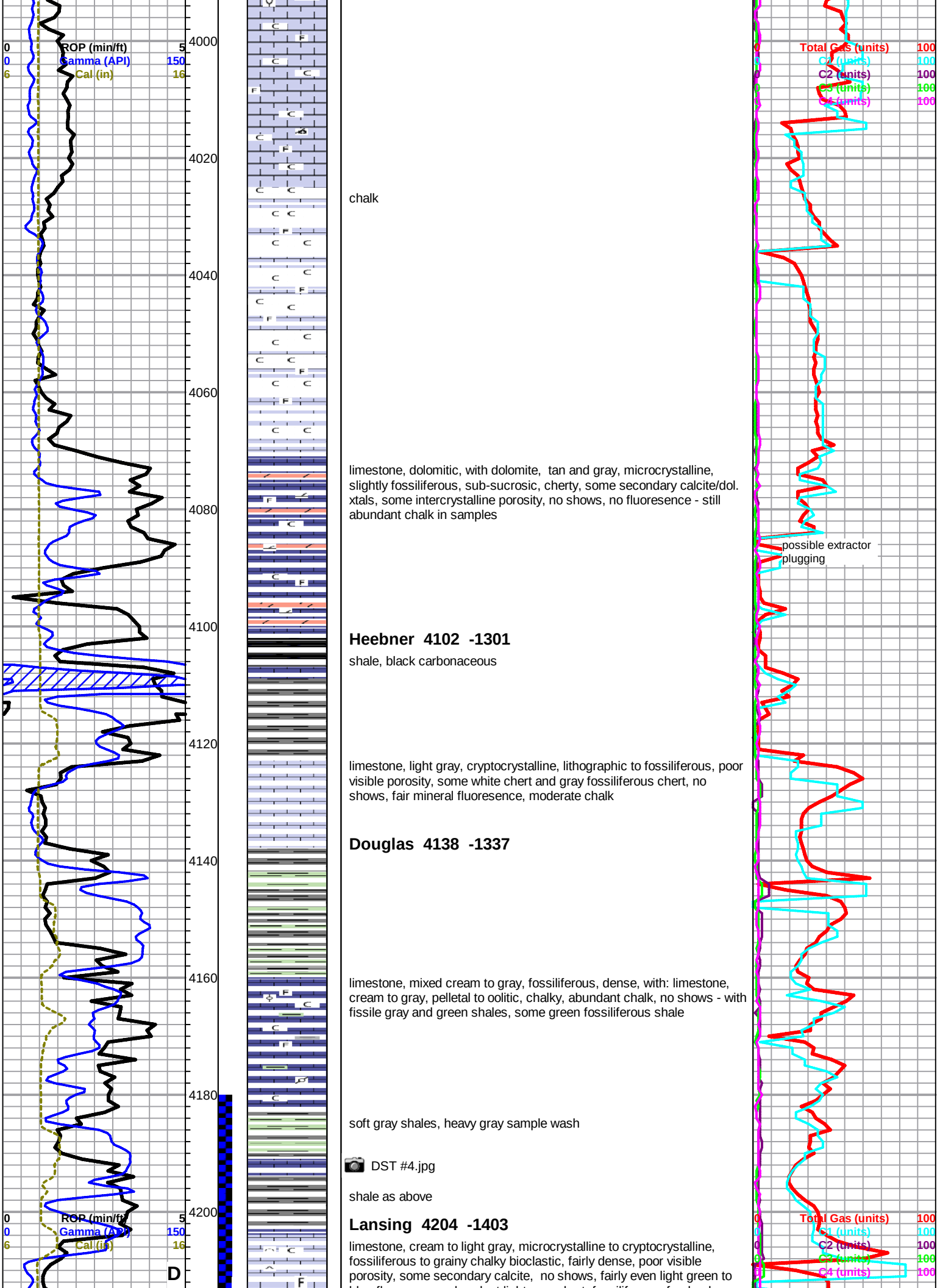
limestone, mixed non descript fossiliferous, some scattered porosity, chalky, some chert inclusions, abundant chalk, with chert, light gray, sharp, fresh, fossiliferous, no shows or fluoresence

limestone, cream to gray, microcrystalline, fossiliferous, dense, no shows, some chalk, some scattered chert as above

Lecompton 3910 -1109

limestone, light gray to cream, microcrystalline, fossiliferous, some scattered lithographic, abundant chalk (appx 40%), heavy white chalky wash in samples, no shows, some light scattered mineral fluoresence

limestone and chalk as above, some scattered sub-oolitic/oomoldic, no shows



chalk

limestone, dolomitic, with dolomite, tan and gray, microcrystalline, slightly fossiliferous, sub-sucrosic, cherty, some secondary calcite/dol. xtals, some intercrystalline porosity, no shows, no fluoresence - still abundant chalk in samples

possible extractor plugging

Heebner 4102 -1301

shale, black carbonaceous

limestone, light gray, cryptocrystalline, lithographic to fossiliferous, poor visible porosity, some white chert and gray fossiliferous chert, no shows, fair mineral fluoresence, moderate chalk

Douglas 4138 -1337

limestone, mixed cream to gray, fossiliferous, dense, with: limestone, cream to gray, pelletal to oolitic, chalky, abundant chalk, no shows - with fissile gray and green shales, some green fossiliferous shale

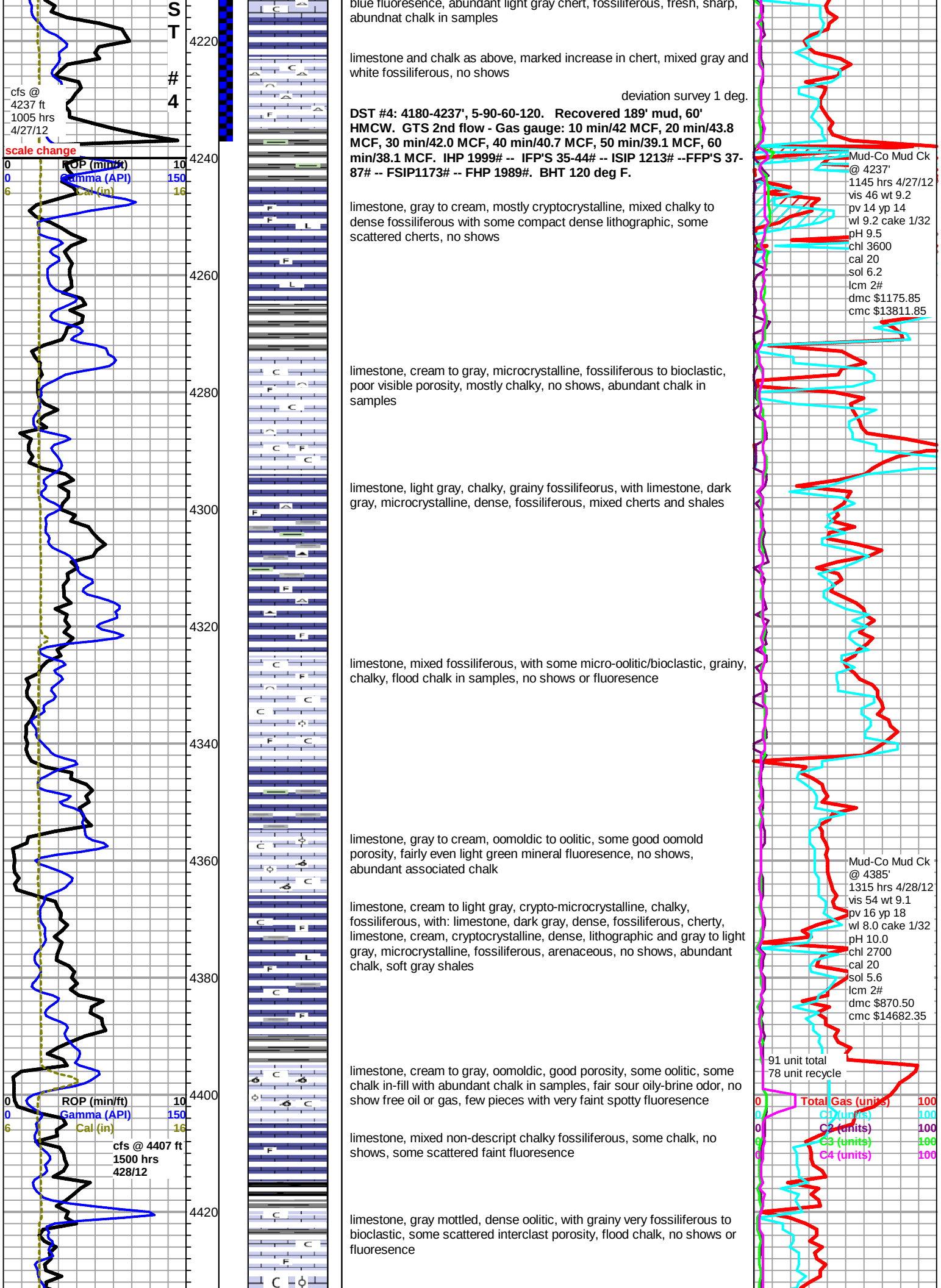
soft gray shales, heavy gray sample wash

DST #4.jpg

shale as above

Lansing 4204 -1403

limestone, cream to light gray, microcrystalline to cryptocrystalline, fossiliferous to grainy chalky bioclastic, fairly dense, poor visible porosity, some secondary calcite, no shows, fairly even light green to



blue fluoresence, abundant light gray chert, fossiliferous, fresh, sharp, abundnat chalk in samples

limestone and chalk as above, marked increase in chert, mixed gray and white fossiliferous, no shows

deviation survey 1 deg.

DST #4: 4180-4237', 5-90-60-120. Recovered 189' mud, 60' HMCW. GTS 2nd flow - Gas gauge: 10 min/42 MCF, 20 min/43.8 MCF, 30 min/42.0 MCF, 40 min/40.7 MCF, 50 min/39.1 MCF, 60 min/38.1 MCF. IHP 1999# -- IFP'S 35-44# -- ISIP 1213# --FFP'S 37-87# -- FSIP1173# -- FHP 1989#. BHT 120 deg F.

limestone, gray to cream, mostly cryptocrystalline, mixed chalky to dense fossiliferous with some compact dense lithographic, some scattered cherts, no shows

limestone, cream to gray, microcrystalline, fossiliferous to bioclastic, poor visible porosity, mostly chalky, no shows, abundant chalk in samples

limestone, light gray, chalky, grainy fossilifeorus, with limestone, dark gray, microcrystalline, dense, fossiliferous, mixed cherts and shales

limestone, mixed fossiliferous, with some micro-oolitic/bioclastic, grainy, chalky, flood chalk in samples, no shows or fluoresence

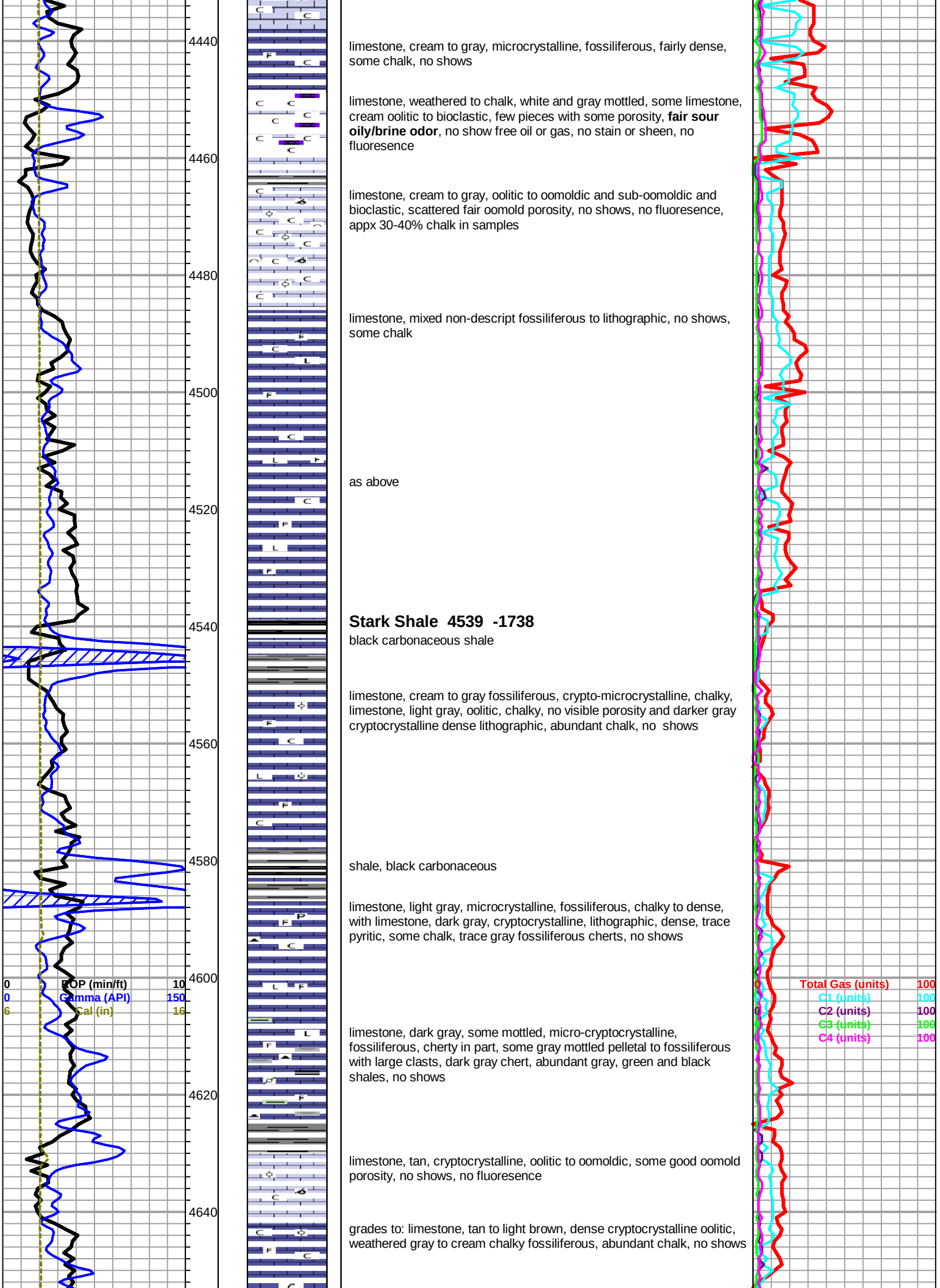
limestone, gray to cream, oomoldic to oolitic, some good oomold porosity, fairly even light green mineral fluoresence, no shows, abundant associated chalk

limestone, cream to light gray, crypto-microcrystalline, chalky, fossiliferous, with: limestone, dark gray, dense, fossiliferous, cherty, limestone, cream, cryptocrystalline, dense, lithographic and gray to light gray, microcrystalline, fossiliferous, arenaceous, no shows, abundant chalk, soft gray shales

limestone, cream to gray, oomoldic, good porosity, some oolitic, some chalk in-fill with abundant chalk in samples, fair sour oily-brine odor, no show free oil or gas, few pieces with very faint spotty fluoresence

limestone, mixed non-descript chalky fossiliferous, some chalk, no shows, some scattered faint fluoresence

limestone, gray mottled, dense oolitic, with grainy very fossiliferous to bioclastic, some scattered interclast porosity, flood chalk, no shows or fluoresence



limestone, cream to gray, microcrystalline, fossiliferous, fairly dense, some chalk, no shows

limestone, weathered to chalk, white and gray mottled, some limestone, cream oolitic to bioclastic, few pieces with some porosity, **fair sour oily/brine odor**, no show free oil or gas, no stain or sheen, no fluoresence

limestone, cream to gray, oolitic to oomoldic and sub-oomoldic and bioclastic, scattered fair oomold porosity, no shows, no fluoresence, appx 30-40% chalk in samples

limestone, mixed non-descript fossiliferous to lithographic, no shows, some chalk

as above

Stark Shale 4539 -1738

black carbonaceous shale

limestone, cream to gray fossiliferous, crypto-microcrystalline, chalky, limestone, light gray, oolitic, chalky, no visible porosity and darker gray cryptocrystalline dense lithographic, abundant chalk, no shows

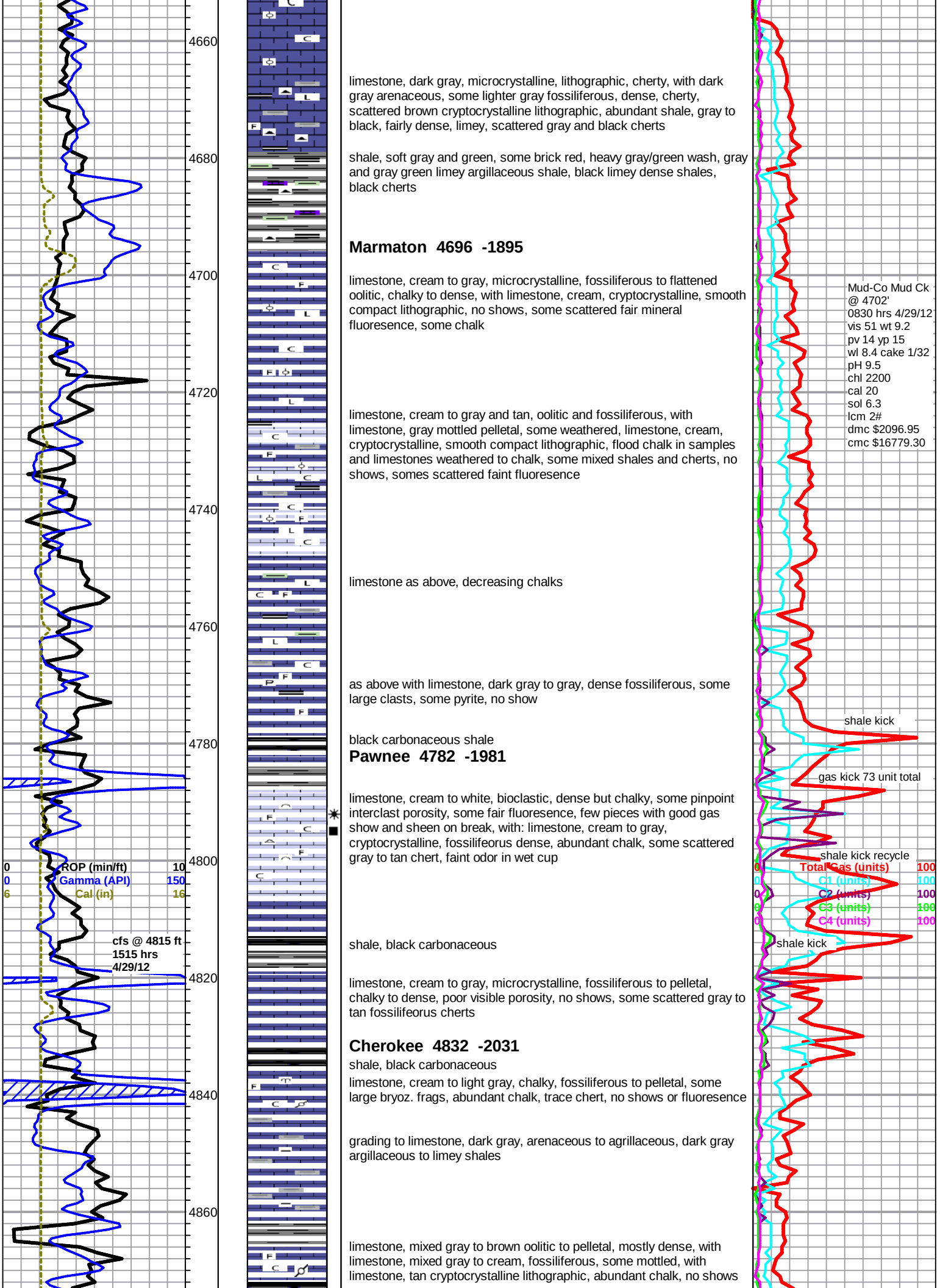
shale, black carbonaceous

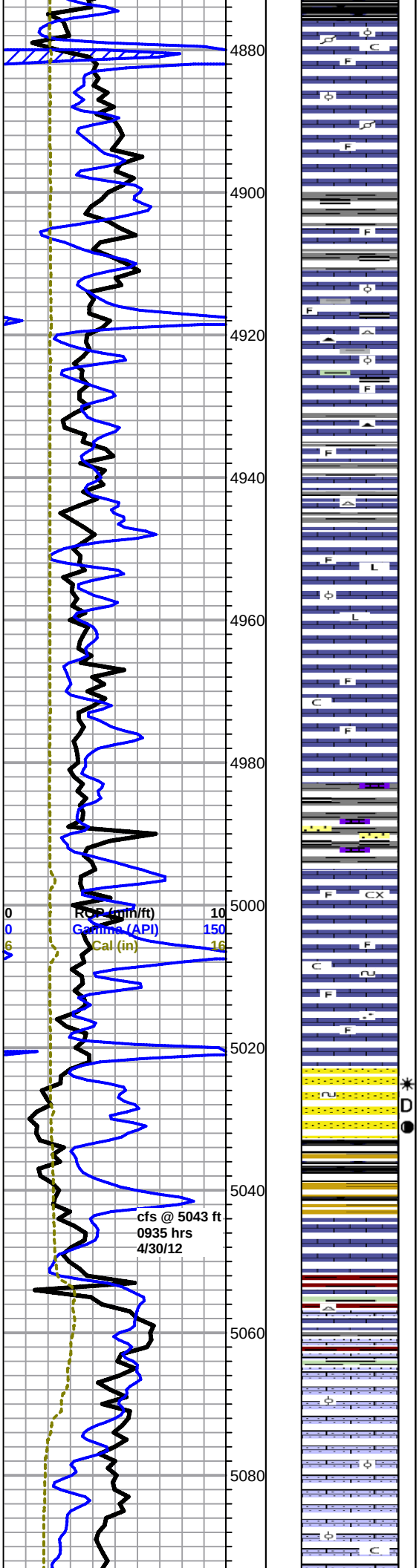
limestone, light gray, microcrystalline, fossiliferous, chalky to dense, with limestone, dark gray, cryptocrystalline, lithographic, dense, trace pyritic, some chalk, trace gray fossiliferous cherts, no shows

limestone, dark gray, some mottled, micro-cryptocrystalline, fossiliferous, cherty in part, some gray mottled pelletal to fossiliferous with large clasts, dark gray chert, abundant gray, green and black shales, no shows

limestone, tan, cryptocrystalline, oolitic to oomoldic, some good oomold porosity, no shows, no fluoresence

grades to: limestone, tan to light brown, dense cryptocrystalline oolitic, weathered gray to cream chalky fossiliferous, abundant chalk, no shows


4660
4680
4700
4720
4740
4760
4780
4800
4820
4840
4860
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
cfs @ 4815 ft
1515 hrs
4/29/12
limestone, dark gray, microcrystalline, lithographic, cherty, with dark gray arenaceous, some lighter gray fossiliferous, dense, cherty, scattered brown cryptocrystalline lithographic, abundant shale, gray to black, fairly dense, limey, scattered gray and black cherts
shale, soft gray and green, some brick red, heavy gray/green wash, gray and gray green limey argillaceous shale, black limey dense shales, black cherts
Marmaton 4696 -1895
limestone, cream to gray, microcrystalline, fossiliferous to flattened oolitic, chalky to dense, with limestone, cream, cryptocrystalline, smooth compact lithographic, no shows, some scattered fair mineral fluoresence, some chalk
limestone, cream to gray and tan, oolitic and fossiliferous, with limestone, gray mottled pelletal, some weathered, limestone, cream, cryptocrystalline, smooth compact lithographic, flood chalk in samples and limestones weathered to chalk, some mixed shales and cherts, no shows, somes scattered faint fluoresence
limestone as above, decreasing chalks
as above with limestone, dark gray to gray, dense fossiliferous, some large clasts, some pyrite, no show
black carbonaceous shale
Pawnee 4782 -1981
limestone, cream to white, bioclastic, dense but chalky, some pinpoint interclast porosity, some fair fluoresence, few pieces with good gas show and sheen on break, with: limestone, cream to gray, cryptocrystalline, fossilifeorus dense, abundant chalk, some scattered gray to tan chert, faint odor in wet cup
shale, black carbonaceous
limestone, cream to gray, microcrystalline, fossiliferous to pelletal, chalky to dense, poor visible porosity, no shows, some scattered gray to tan fossilifeorus cherts
Cherokee 4832 -2031
shale, black carbonaceous
limestone, cream to light gray, chalky, fossiliferous to pelletal, some large bryoz. frags, abundant chalk, trace chert, no shows or fluoresence
grading to limestone, dark gray, arenaceous to agrillaceous, dark gray argillaceous to limey shales
limestone, mixed gray to brown oolitic to pelletal, mostly dense, with limestone, mixed gray to cream, fossiliferous, some mottled, with limestone, tan cryptocrystalline lithographic, abundant chalk, no shows
Mud-Co Mud Ck
@ 4702'
0830 hrs 4/29/12
vis 51 wt 9.2
pv 14 yp 15
wl 8.4 cake 1/32
pH 9.5
chl 2200
cal 20
sol 6.3
lcm 2#
dmc $2096.95
cmc $16779.30
shale kick
gas kick 73 unit total
shale kick recycle
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
shale kick



as above

mixed limestones as above, with influx, light gray oolitic, mature to flattened, fairly dense, no shows

limestone, mixed non-descript fossiliferous to oolitic, scattered cherts, abundant mixed shales

as above

mixed limestones as above, influxe cream to light gray cryptocrystalline, slighty fossiliferous to lithographic, trace pyritic, dense, some scattered faint mineral fluoresence, no shows

limestone, cream to light gray, microcrystalline, fossiliferous, dense, no fluoresence or shows, some chalk

black carbonaceous and gray/black shales, some white quarts sandstone, very fine grain, fair rounding and sorting, very dense/well cemented, barren, no shows or fluoresence

limestone, brown, crypto-microcrystalline, fossiliferous, very dense

limestone, dark gray, cherty mottled fossilifeorus, light gray to gray mottled, fossiliferous, some large clasts, trace sandy, chalky to glauconitic in part, poor visible porosity

Morrow 5023 -2222

sandstone, brown, very fine grain, fair sorting and rounding, glauconitic in part, well cemented, saturated stain, dead flakey gilsonite, show gas on break, some sheen and tarry cling on break, faint odor, no fluoresence

30 min sample, a.a. flood of brown carbonaceous shale and black dense limey shale

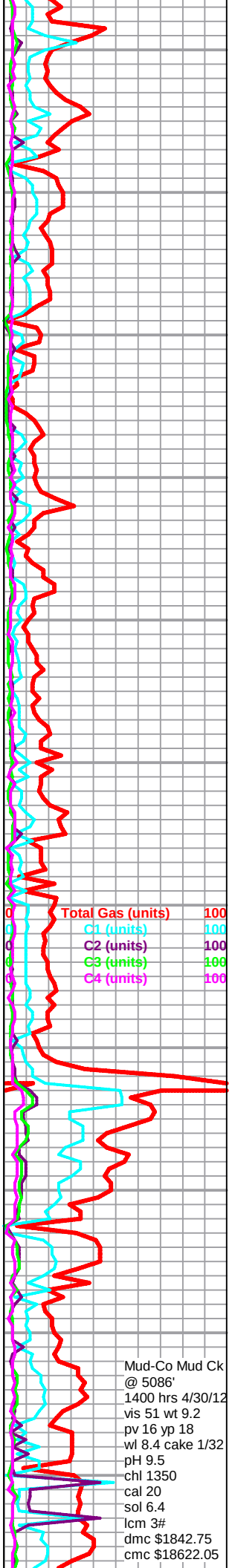
limestone, gray to gray/green and tan, oolitic, mostly dense, some weathered chalky, poor visible porosity, some slightly pyritic, some scattered spotty brown/black stain, no show free oil, no odor, no fluoresence

conglomerate: shale, red, green and gray, soft, read sample wash, with limestone, as above, with: tan grainy fossiliferous, some white oolitic sandy dense to weathered limestone, some white weathered fossiliferous cherts

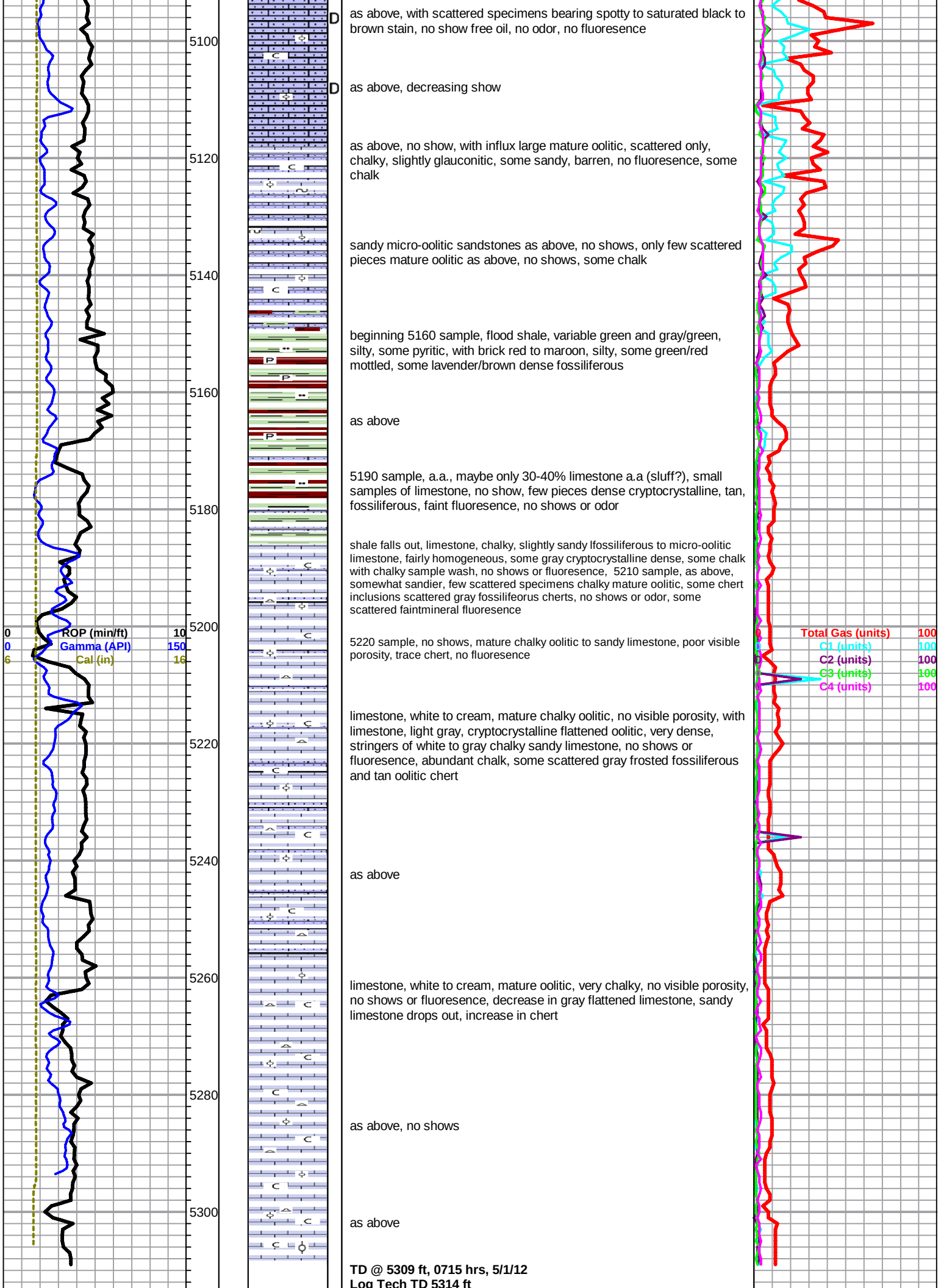
Mississippian (St. Gen) 5065 -2264

limestone, light gray, micro-oolitic, chalky, very sandy, fairly dense, no shows or fluoresence

limestone, light gray to white, micro-oolitic, chalky, very sandy, fairly dense, with few pieces chalky friable mature oolitic, no shows or fluoresence, some chalk



Mud-Co Mud Ck
@ 5086'
1400 hrs 4/30/12
vis 51 wt 9.2
pv 16 yp 18
wl 8.4 cake 1/32
pH 9.5
chl 1350
cal 20
sol 6.4
lcm 3#
dmc $1842.75
cmc $18622.05



as above, with scattered specimens bearing spotty to saturated black to brown stain, no show free oil, no odor, no fluoresence

as above, decreasing show

as above, no show, with influx large mature oolitic, scattered only, chalky, slightly glauconitic, some sandy, barren, no fluoresence, some chalk

sandy micro-oolitic sandstones as above, no shows, only few scattered pieces mature oolitic as above, no shows, some chalk

beginning 5160 sample, flood shale, variable green and gray/green, silty, some pyritic, with brick red to maroon, silty, some green/red mottled, some lavender/brown dense fossiliferous

as above

5190 sample, a.a., maybe only 30-40% limestone a.a (sluff?), small samples of limestone, no show, few pieces dense cryptocrystalline, tan, fossiliferous, faint fluoresence, no shows or odor

shale falls out, limestone, chalky, slightly sandy lfossiliferous to micro-oolitic limestone, fairly homogeneous, some gray cryptocrystalline dense, some chalk with chalky sample wash, no shows or fluoresence, 5210 sample, as above, somewhat sandier, few scattered specimens chalky mature oolitic, some chert inclusions scattered gray fossilifeorus cherts, no shows or odor, some scattered faintmineral fluoresence

5220 sample, no shows, mature chalky oolitic to sandy limestone, poor visible porosity, trace chert, no fluoresence

limestone, white to cream, mature chalky oolitic, no visible porosity, with limestone, light gray, cryptocrystalline flattened oolitic, very dense, stringers of white to gray chalky sandy limestone, no shows or fluoresence, abundant chalk, some scattered gray frosted fossiliferous and tan oolitic chert

as above

limestone, white to cream, mature oolitic, very chalky, no visible porosity, no shows or fluoresence, decrease in gray flattened limestone, sandy limestone drops out, increase in chert

as above, no shows

as above

TD @ 5309 ft, 0715 hrs, 5/1/12
Log Tech TD 5314 ft

				Log Tech TD 8214 N Complete Logging Operations 2030 hrs 5/1/12	

DST #1.jpg

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-1DST1

TIME ON: 00:58
TIME OFF: 10:30

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)
Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.
Elevation 2801 KB Formation RED EAGLE Effective Pay Ft. Ticket No. T046
Date 4-24-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS
Test Approved By KIETH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 3146 ft. to 3186 ft. Total Depth 3186 ft.
Packer Depth 3141 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Packer Depth 3146 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3127 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3183 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 330 ft. I.D. 2 1/4 in.
Weight 8.55 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 1,000 P.P.M. Drill Pipe Length 2783 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 40 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 4 MIN. (NOBB)
2nd Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 20 MIN. (WSBB)

Recovered 150 ft. of MUD
Recovered 60 ft. of WCM, 26% WATER, 74% MUD
Recovered ft. of
Recovered ft. of
Recovered ft. of CHLORIDES: 29,000 ppm
Recovered ft. of PH: 7.5
Remarks: RW: .19 @ 86 deg.

TOOL SAMPLE: TRACE OIL, 41% WATER, 59% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 3:17 AM A.M. P.M. Time Started Off Bottom 8:52 AM A.M. P.M. Maximum Temperature 95 deg.

Initial Hydrostatic Pressure (A) 1392 P.S.I.
Initial Flow Period Minutes 5 (B) 9 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period Minutes 90 (D) 1027 P.S.I.
Final Flow Period Minutes 120 (E) 37 P.S.I. to (F) 99 P.S.I.
Final Closed In Period Minutes 120 (G) 688 P.S.I.
Final Hydrostatic Pressure (H) 1390 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.

DST #2.jpg

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-1SWDST2

TIME ON: 03:40
TIME OFF: 12:21

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)
Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.
Elevation 2801 KB Formation STOTLER Effective Pay Ft. Ticket No. T047
Date 4-25-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 3432 ft. to 3500 ft. Total Depth 3500 ft.
Packer Depth 3427 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Packer Depth 3432 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3413 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3497 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 330 ft. I.D. 2 1/4 in.
Weight 8.55 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 1,000 P.P.M. Drill Pipe Length 3069 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 36 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 1 MIN. (NOBB)
2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (WSBB)

Recovered 3350 ft. of GAS IN PIPE
Recovered 150 ft. of MUD
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

TOOL SAMPLE: TRACE OIL, 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 5:31 AM A.M. P.M. Time Started Off Bottom 10:36 AM A.M. P.M. Maximum Temperature 111 deg.

Initial Hydrostatic Pressure		(A)	1584 P.S.I.	
Initial Flow Period	Minutes 5	(B)	22 P.S.I. to (C)	43 P.S.I.
Initial Closed In Period	Minutes 90	(D)	915 P.S.I.	
Final Flow Period	Minutes 90	(E)	50 P.S.I. to (F)	85 P.S.I.
Final Closed In Period	Minutes 120	(G)	894 P.S.I.	
Final Hydrostatic Pressure		(H)	1569 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.

INITIAL FLOW

Time O'Clock	Orifice Size	Gauge	CH'D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW PSI

Time O'Clock	Orifice Size	Gauge	CH'D
10	1/2 in.	11 in.	121,000
20	1/2 in.	16.5 in.	156,000
30	1/2 in.	19.5 in.	174,000
40	1/2 in.	21.5 in.	186,000
50	1/2 in.	23 in.	199,000
60	1/2 in.	24.5 in.	202,500
70	1/2 in.	25.5 in.	208,000
80	1/2 in.	26 in.	211,000
90	1/2 in.	26.5 in.	213,500
	in.	in.	

DST #3.jpg

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-15WDST3

TIME ON: 20:29 4-25-12
TIME OFF: 05:24 4-26-12

Company FALCON EXPLORATION, INC. | Lease & Well No. GREGORY LOVE #1-1 (SW)
Contractor STERLING DRILLING CO. RIG #5 | Charge to FALCON EXPLORATION, INC.
Elevation 2801 KB | Formation TARKIO | Effective Pay ____ Ft. | Ticket No. T048
Date 4-25-12 | Sec. 1 | Twp 28 S | Range 30 W | County GRAY | State KANSAS
Test Approved By KEITH REAVIS | Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 | Interval Tested from 3536 ft. to 3572 ft. | Total Depth 3572 ft.
Packer Depth 3531 ft. | Size 6 3/4 in. | Packer depth ____ ft. | Size 6 3/4 in.
Packer Depth 3536 ft. | Size 6 3/4 in. | Packer depth ____ ft. | Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3517 ft. | Recorder Number 8457 | Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3569 ft. | Recorder Number 11029 | Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ____ ft. | Recorder Number ____ | Cap. ____ P.S.I.

Mud Type CHEMICAL | Viscosity 46 | Drill Collar Length 330 ft. | I.D. 2 1/4 in.
Weight 8.8 | Water Loss 9.6 cc. | Weight Pipe Length 0 ft. | I.D. 2 7/8 in
Chlorides 3,650 P.P.M. | Drill Pipe Length 3173 ft. | I.D. 3 1/2 in
Jars: Make STERLING | Serial Number 4 | Test Tool Length 33 ft. | Tool Size 3 1/2-IF in
Did Well Flow? NO | Reversed Out NO | Anchor Length 36 ft. | Size 4 1/2-FH in
Main Hole Size 7 7/8 | Tool Joint Size 4 1/2 XH in. | Surface Choke Size 1 in. | Bottom Choke Size 5/8 in

Blow: 1st Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 2 MIN. (NOBB)
2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (NOBB)

Recovered 3425 ft. of GAS IN PIPE
Recovered 80 ft. of MUD
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: ____

Price Job	
Other Charges	
Insurance	
Total	

TOOL SAMPLE: 100% MUD

Time Set Packer(s) 10:56 PM A.M. P.M. | Time Started Off Bottom 3:44 AM A.M. P.M. | Maximum Temperature 109 deg.

Initial Hydrostatic Pressure			(A)	1629 P.S.I.	
Initial Flow Period	Minutes 5		(B)	13 P.S.I. to (C)	14 P.S.I.
Initial Closed In Period	Minutes 90		(D)	941 P.S.I.	
Final Flow Period	Minutes 70		(E)	21 P.S.I. to (F)	43 P.S.I.
Final Closed In Period	Minutes 123		(G)	938 P.S.I.	
Final Hydrostatic Pressure			(H)	1619 P.S.I.	

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INITIAL FLOW

Time (Check)	Orifice Size	Gauge	CH'D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW IN. H2O

Time (Check)	Orifice Size	Gauge	CH'D
30	1/8 in.	7.5 in.	1,445
40	1/8 in.	11 in.	1,750
50	1/8 in.	13 in.	1,910
60	1/8 in.	15 in.	2,050
70	1/8 in.	19 in.	2,300
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

DST #4.jpg

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GREGORYLOVE1-15WDST4

TIME ON: 15:02 4-27-12
TIME OFF: 01:43 4-28-12

Company FALCON EXPLORATION, INC. Lease & Well No. GREGORY LOVE #1-1 (SW)
Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.
Elevation 2801 KB Formation LANSING Effective Pay Ft. Ticket No. T049
Date 4-27-12 Sec. 1 Twp. 28 S Range 30 W County GRAY State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4180 ft. to 4237 ft. Total Depth 4237 ft.
Packer Depth 4175 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Packer Depth 4180 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 4161 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4234 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 330 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 3,600 P.P.M. Drill Pipe Length 3817 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: GOOD 2 1/2 INCH BLOW, BUILDING, REACHING BOB 45 SEC. (NOBB)
2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (NOBB)

Recovered 3910 ft. of GAS IN PIPE
Recovered 189 ft. of MUD
Recovered 60 ft. of HMCW, 58% WATER, 42% MUD
Recovered ft. of
Recovered ft. of CHLORIDES: 51,000 ppm
Recovered ft. of PH: 6.5
Remarks: RW: .14 @ 69 deg.

TOOL SAMPLE: TRACE OIL, 17% WATER, 83% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 6:15 PM A.M. P.M. Time Started Off Bottom 10:50 PM A.M. P.M. Maximum Temperature 120 deg.

Initial Hydrostatic Pressure (A) 1999 P.S.I.
Initial Flow Period Minutes 5 (B) 35 P.S.I. to (C) 45 P.S.I.
Initial Closed In Period Minutes 90 (D) 1213 P.S.I.
Final Flow Period Minutes 60 (E) 37 P.S.I. to (F) 87 P.S.I.
Final Closed In Period Minutes 120 (G) 1173 P.S.I.
Final Hydrostatic Pressure (H) 1989 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.

INITIAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW IN. H2O

Time O'Clock	Orifice Size	Gauge	CF/D
10	1/2 in.	45 in.	42,050
20	1/2 in.	49 in.	45,850
30	1/2 in.	45 in.	42,050
40	1/2 in.	42 in.	40,700
50	1/2 in.	39 in.	39,100
60	1/2 in.	37 in.	38,100
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	