KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1153450

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

01/29/2013	02/05/2013	02/06/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-145-21706-00-00
Spot Description:
SE - SW - NW - SE Sec. 6 Twp. 22 S. R. 16 ☐ East ☑ West
1503 Feet from ☐ North / ☑ South Line of Section
1995 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
County: Pawnee
Lease Name: Fisher Well #: 1-6
Field Name:
Producing Formation: N/A
Elevation: Ground: 2005 Kelly Bushing: 2016
Total Depth: 3962 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1030 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: 54000 ppm Fluid volume: 1200 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Shelby Resources
Lease Name: Eakin License #: 31725
Quarter SE Sec. 7 Twp. 22 S. R. 16 ☐ East ☑ West
County: Pawnee Permit #: D-30939

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Letter of Confidentiality Received**
Date: 07/31/2013
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 08/02/2013

Side Two

1153450

Operator Name: Shelby Resources LLC Lease Name: Fisher Well #: 1-6

Sec. 6 Twp. 22 S. R. 16 ☐ East ☑ West County: Pawnee

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

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

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

List All E. Logs Run:
Attached

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

Name	Top	Datum
TOPEKA	3137	-1121
LKC	3528	-1512
BKC	3789	-1773
SIMPSON SHALE	3870	-1854
ARBUCKLE	3875	-1859
LTD	3962	-1946

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	1030	60/40 Poz	450	2% gel / 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

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

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

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

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

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

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

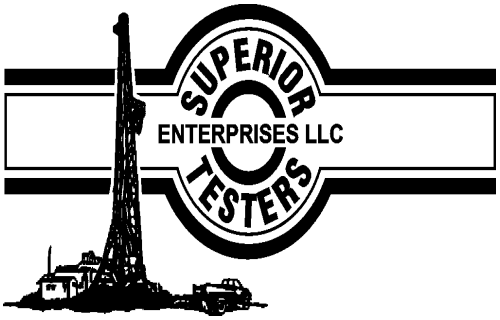
PRODUCTION INTERVAL:

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

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Fisher 1-6
Doc ID	1153450

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **Shelby Resouces**

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

Fisher 1-6

6-22s-16w Pawnee

Start Date: 2013.02.03 @ 11:30:00

End Date: 2013.02.03 @ 19:36:30

Job Ticket #: 17415 DST #: 1

Superior Testers Enterprises LLC

PO Box 138 Great Bend KS 67530

1-800-792-6902

Printed: 2013.02.04 @ 07:49:47

DRILL STEM TEST REPORT

Shelby Resouces

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

6-22s-16w Pawnee

Fisher 1-6

Job Ticket: 17415 **DST#: 1**

Test Start: 2013.02.03 @ 11:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:50:30
Time Test Ended: 19:36:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: 3315-Great Bend- 50

Interval: 3870.00 ft (KB) To 3900.00 ft (KB) (TVD)
Total Depth: 3900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

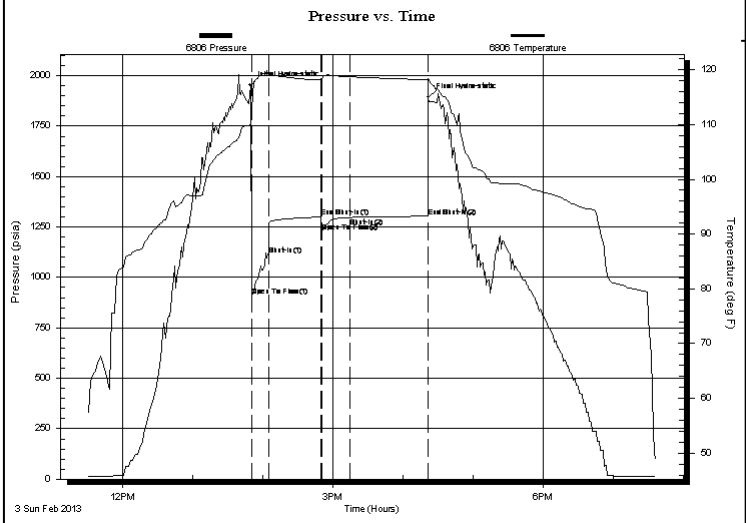
Reference Elevations: 2016.00 ft (KB)
2005.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6806 **Inside**

Press@RunDepth: 1296.72 psia @ 3896.00 ft (KB)
Start Date: 2013.02.03 End Date: 2013.02.03
Start Time: 11:30:00 End Time: 19:36:30

Capacity: 5000.00 psia
Last Calib.: 2013.02.04
Time On Btm: 2013.02.03 @ 13:49:30
Time Off Btm: 2013.02.03 @ 16:22:00

TEST COMMENT: 1st Open 15 minutes Strong blow blew built to the bottom of a 5 gallon bucket in 1 minute.
1st Shut in 45 minutes No blow back.
2nd Open 30 minutes Strong blow blew built to the bottom of a 5 gallon buket in 1 minute.
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.90	110.17	Initial Hydro-static
1	907.95	112.54	Open To Flow (1)
16	1109.42	119.24	Shut-In(1)
61	1298.75	118.11	End Shut-In(1)
61	1224.13	118.03	Open To Flow (2)
85	1296.72	118.72	Shut-In(2)
152	1302.78	118.19	End Shut-In(2)
153	1892.57	118.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	Muddy water 90%mud 10%water	0.90
2187.00	Water 100%	30.38
0.00	Chlorides 42,000	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resouces

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

6-22s-16w Pawnee

Fisher 1-6

Job Ticket: 17415 **DST#: 1**

Test Start: 2013.02.03 @ 11:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:50:30
Time Test Ended: 19:36:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: 3315-Great Bend- 50

Interval: 3870.00 ft (KB) To 3900.00 ft (KB) (TVD)
Total Depth: 3900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

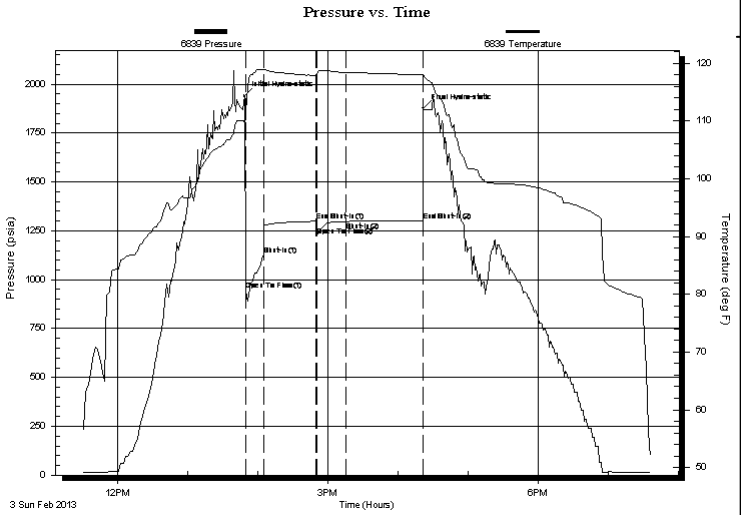
Reference Elevations: 2016.00 ft (KB)
2005.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6839

Press@RunDepth: 1303.54 psia @ ft (KB)
Start Date: 2013.02.03 End Date: 2013.02.03
Start Time: 11:30:00 End Time: 19:36:30

Capacity: psia
Last Calib.: 1899.12.30
Time On Btm: 2013.02.03 @ 13:49:00
Time Off Btm: 2013.02.03 @ 16:22:00

TEST COMMENT: 1st Open 15 minutes Strong blow blew built to the bottom of a 5 gallon bucket in 1 minute.
1st Shut in 45 minutes No blow back.
2nd Open 30 minutes Strong blow blew built to the bottom of a 5 gallon buket in 1 minute.
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1939.96	110.23	Initial Hydro-static
1	947.44	111.71	Open To Flow (1)
16	1126.26	118.88	Shut-In(1)
61	1299.42	117.89	End Shut-In(1)
62	1225.23	117.90	Open To Flow (2)
87	1297.88	118.45	Shut-In(2)
153	1303.54	118.02	End Shut-In(2)
153	1877.94	118.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	Muddy water 90%mud 10%water	0.90
2187.00	Water 100%	30.38
0.00	Chlorides 42,000	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resouces

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

6-22s-16w Pawnee

Fisher 1-6

Job Ticket: 17415 **DST#: 1**

Test Start: 2013.02.03 @ 11:30:00

Tool Information

Drill Pipe:	Length:	3656.00 ft	Diameter:	3.80 inches	Volume:	51.28 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	216.02 ft	Diameter:	2.25 inches	Volume:	1.06 bbl	
					Total Volume:	52.34 bbl	

Drill Pipe Above KB:	22.02 ft
Depth to Top Packer:	3870.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	30.00 ft
Tool Length:	50.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		80000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	70000.00 lb
	Final	80000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3855.00		
Hydrolic Tool	5.00			3860.00		
Packer	5.00			3865.00	20.00	Bottom Of Top Packer
Packer	5.00			3870.00		
Anchor	25.00			3895.00		
Recorder	1.00	6806	Inside	3896.00		
Recorder	1.00	6836	Outside	3897.00		
Bullnose	3.00			3900.00	30.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resouces

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

6-22s-16w Pawnee

Fisher 1-6

Job Ticket: 17415 **DST#: 1**

Test Start: 2013.02.03 @ 11:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.00 in³	Gas Cushion Type:			
Resistivity:	0.40 ohm.m	Gas Cushion Pressure:	psia		
Salinity:	4400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

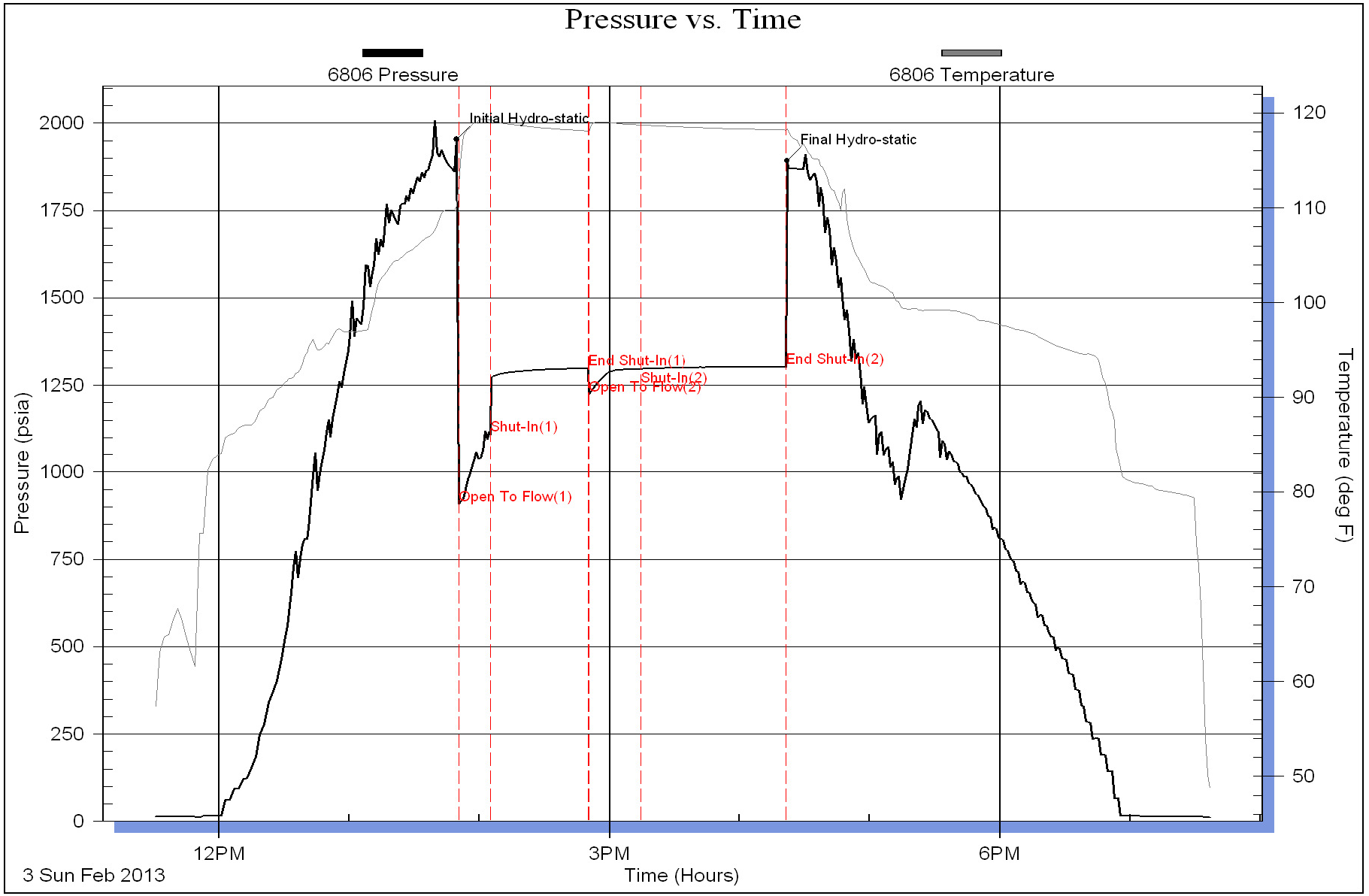
Recovery Table

Length ft	Description	Volume bbl
183.00	Muddy water 90%mud 10%water	0.900
2187.00	Water 100%	30.377
0.00	Chlorides 42,000	0.000

Total Length: 2370.00 ft Total Volume: 31.277 bbl

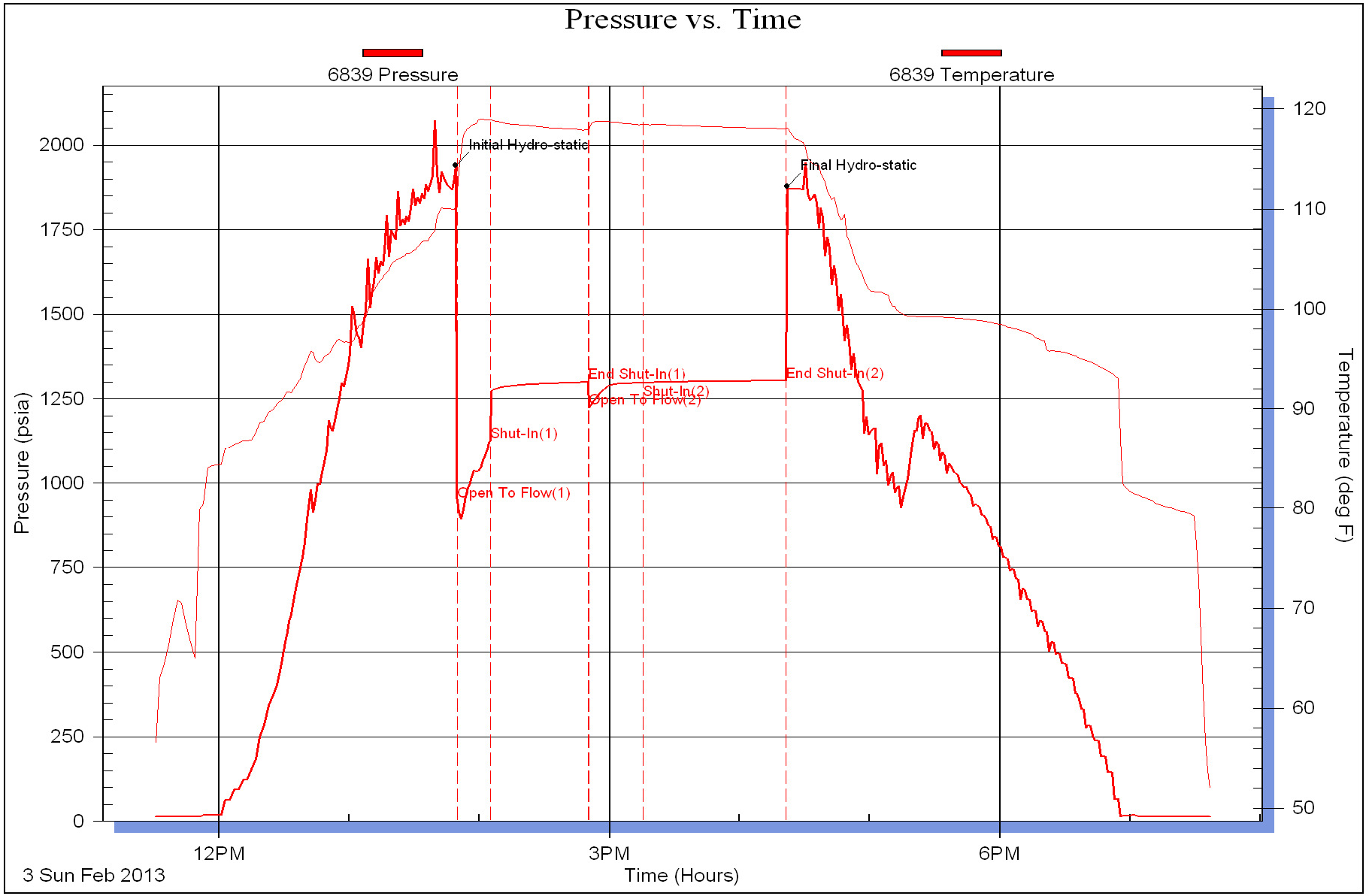
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6806 **Inside** Shelby Resouces Fisher 1-6 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 17415 Printed: 2013.02.04 @ 07:49:47

Serial #: 6839 Shelby Resouces Fisher 1-6 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 17415 Printed: 2013.02.04 @ 07:49:48

OPERATOR

Company:	SHELBY RESOURCES LLC		
Address:	2717 CANAL BLVD. HAYS, KS 67601		
Contact Geologist:	CHRIS GOTTSCHALK		
Contact Phone Nbr:	(785) 623-1524		
Well Name:	FISHER #1-6		
Location:	SE SW NW SE 6 - 22W - 16S	API:	15-145-21706-0000
Pool:		Field:	WILDCAT
State:	KANSAS	Country:	USA

Scale 1:240 Imperial

Well Name:	FISHER #1-6		
Surface Location:	SE SW NW SE 6 - 22W - 16S		
Bottom Location:			
API:	15-145-21706-0000		
License Number:	31725		
Spud Date:	1/29/2013	Time:	9:00 PM
Region:	PAWNEE		
Drilling Completed:	2/4/2013	Time:	12:35 PM
Surface Coordinates:	1503' FSL & 1995' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2005.00ft		
K.B. Elevation:	2016.00ft		
Logged Interval:	2900.00ft	To:	3962.00ft
Total Depth:	3960.00ft		
Formation:	ARBUCKLE		
Drilling Fluid Type:	FRESH WATER/CHEMICAL GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-99.1205315	Latitude:	38.1639649
N/S Co-ord:	1503' FSL		
E/W Co-ord:	1995' FEL		

LOGGED BY

SOLUTIONS CONSULTING

Company:	SOLUTIONS CONSULTING		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785) 259-3737		
Logged By:	Geologist	Name:	JEFF LAWLER

CONTRACTOR

Contractor:	STERLING DRILLING COMPANY		
Rig #:	2		
Rig Type:	MUD ROTARY		
Spud Date:	1/29/2013	Time:	9:00 PM
TD Date:	2/4/2013	Time:	12:35 PM
Rig Release:	2/5/2013	Time:	8:00 AM

ELEVATIONS

K.B. Elevation:	2016.00ft	Ground Elevation:	2005.00ft
K.B. to Ground:	11.00ft		

NOTES

DUE TO LACK OF ECONOMICAL RECOVERY ON DST #1 AND LOG ANALYSIS DECISION WAS MADE TO PLUG AND ABANDON.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

	FISHER #1-6				MUSGROVE PETROLEUM THEIS #2 NE NE SW 6 - 22S - 16W						SHELBY RESOURCES, LLS EAKIN #3-7 SW SE NW NE 7 - 22S - 16W						SHELBY RESOURCES, LLS F-F UNIT #1-7 NW NW NW NE 7 - 22S - 16W						SHELBY RESOURCES, LLS WOODS TRUST #1-1 NE SW SE SE 1 - 22S - 17W					
	KB	2016			KB	2015					KB	2019					KB	2021					KB	2027				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE TOP			1016	1000							1006	1013			-	13	1018	1003			-	3	1024	1003			-	3
BASE			1035	981																								
TARKIO																	2860	-839					2864	-837				
HOWARD																	3064	-1043					3073	-1046				
TOPEKA	3137	-1121	3143	-1127							3140	-1121	+	0	-	6	3138	-1117	-	4	-	10	3148	-1121	+	0	-	6
HEEBNER SHALE	3419	-1403	3423	-1407	3424	-1409	+	6	+	2	3424	-1405	+	2	-	2	3420	-1399	-	4	-	8	3433	-1406	+	3	-	1
TORONTO	3439	-1423	3440	-1424							3442	-1423	+	0	-	1	3437	-1416	-	7	-	8	3454	-1427	+	4	+	3
DOUGLAS SHALE	3454	-1438	3456	-1440	3460	-1445	+	7	+	5	3461	-1442	+	4	+	2	3451	-1430	-	8	-	10	3465	-1438	+	0	-	2
BROWN LIME	3519	-1503	3520	-1504	3525	-1510	+	7	+	6	3526	-1507	+	4	+	3	3518	-1497	-	6	-	7	3534	-1507	+	4	+	3
LKC	3528	-1512	3529	-1513	3534	-1519	+	7	+	6	3534	-1515	+	3	+	2	3527	-1506	-	6	-	7	3543	-1516	+	4	+	3
LKC H											3673	-1654																
STARK	3729	-1713	3741	-1725							3731	-1712	-	1	-	13	3726	-1705	-	8	-	20	3740	-1713	+	0	-	12
BKC	3789	-1773	3790	-1774							3786	-1767	-	6	-	7	3786	-1765	-	8	-	9	3800	-1773	+	0	-	1
MARMATON	3800	-1784	3800	-1784							3800	-1781	-	3	-	3	3796	-1775	-	9	-	9	3810	-1783	-	1	-	1
CONGLOMERATE											3820	-1801					3808	-1787					3868	-1841				
SIMPSON SHALE	3870	-1854	3878	-1862	3884	-1869	+	15	+	7																		
ARBUCKLE	3875	-1859	3880	-1864	3915	-1900	+	41	+	36	3866	-1847	-	12	-	17	3876	-1855	-	4	-	9	3942	-1915	+	56	+	51
RTD			3960	-1944	3835	-1820			-	124	4000	-1981			+	37	3985	-1964			+	20	4030	-2003			+	59
LTD	3962	-1946									4000	-1981	+	35			3983	-1962	+	16			4029	-2002	+	56		

DST #1 ARBUCKLE 3870' - 3900'

SUPERIOR ENTERPRISES LLC TESTERS

DRILL STEM TEST REPORT

Shelby Resouces

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

6-22s-16w Pawnee

Fisher 1-6

Job Ticket: 17415 **DST#: 1**

Test Start: 2013.02.03 @ 11:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:50:30
Time Test Ended: 19:36:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: 3315-Great Bend- 50

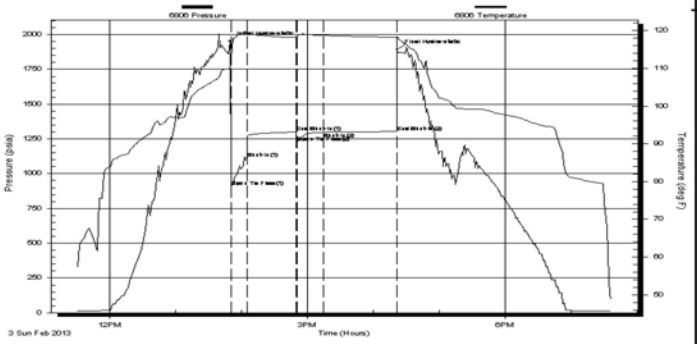
Interval: 3870.00 ft (KB) To 3900.00 ft (KB) (TVD)
Total Depth: 3900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2016.00 ft (KB)
2005.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6806 **Inside**
Press@RunDepth: 1296.72 psia @ 3896.00 ft (KB)
Start Date: 2013.02.03 End Date: 2013.02.03
Start Time: 11:30:00 End Time: 19:36:30

Capacity: 5000.00 psia
Last Calib.: 2013.02.04
Time On Btm: 2013.02.03 @ 13:49:30
Time Off Btm: 2013.02.03 @ 16:22:00

TEST COMMENT: 1st Open 15 minutes Strong blow blew built to the bottom of a 5 gallon bucket in 1 minute.
1st Shut in 45 minutes No blow back.
2nd Open 30 minutes Strong blow blew built to the bottom of a 5 gallon buket in 1 minute.
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.90	110.17	Initial Hydro-static
1	907.95	112.54	Open To Flow (1)
16	1109.42	119.24	Shut-In(1)
61	1298.75	118.11	End Shut-In(1)
61	1224.13	118.03	Open To Flow (2)
85	1296.72	118.72	Shut-In(2)
152	1302.78	118.19	End Shut-In(2)
153	1892.57	118.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	Muddy water 90%mud 10%water	0.90
2187.00	Water 100%	30.38
0.00	Chlorides 42,000	0.00

Gas Rates

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

ROCK TYPES

Congl	Dolsec	shale, gry	Shcol
Chtcongl	Lmst fw7>	Carbon Sh	Lscongl
Dolprim	shale, grn	shale, red	

ACCESSORIES

MINERAL	STRINGER	TEXTURE
Sandy	Dolomite	Chalky

OTHER SYMBOLS

DST
- DST Int
- DST alt
- Core

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
Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions
TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial

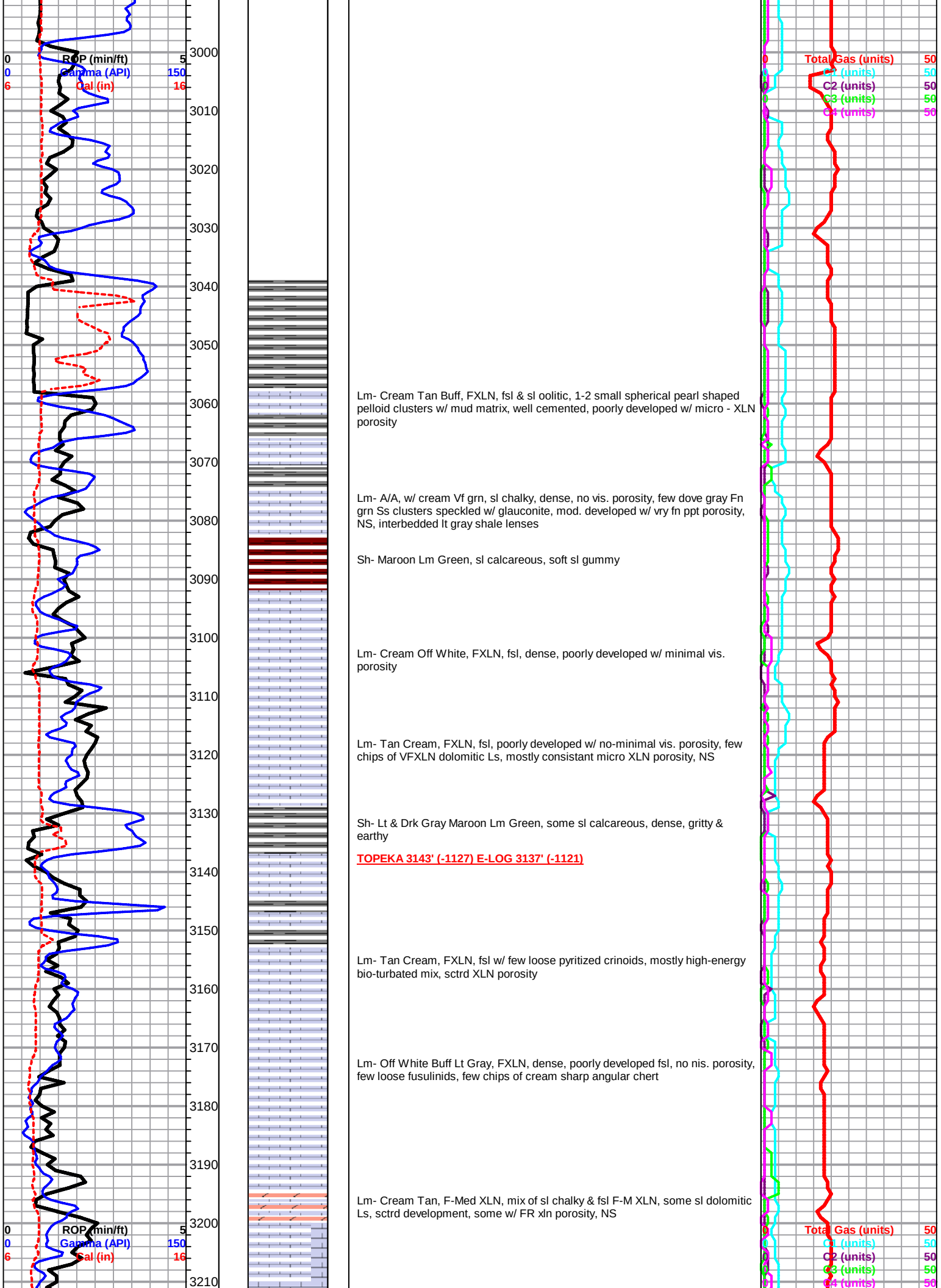
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

2900
2910
2920
2930
2940
2950
2960
2970
2980
2990

ANHYDRITE TOP 1016' (+1000)
BASE 1035' (+981)

1' DRILL TIME FROM 2900' - RTD
20' WET/DRY SAMPLES FROM 3000' - 3300'
10' WET/DRY SAMPLES FROM 3300' - RTD
SAMPLES WILL BE SENT TO KANSAS GEOLOGICAL SURVEY SAMPLE REPOSITORY FOR EVALUATION
GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3100' - RTD

8 5/8" SURFACE PIPE @ 1035'


0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
3000
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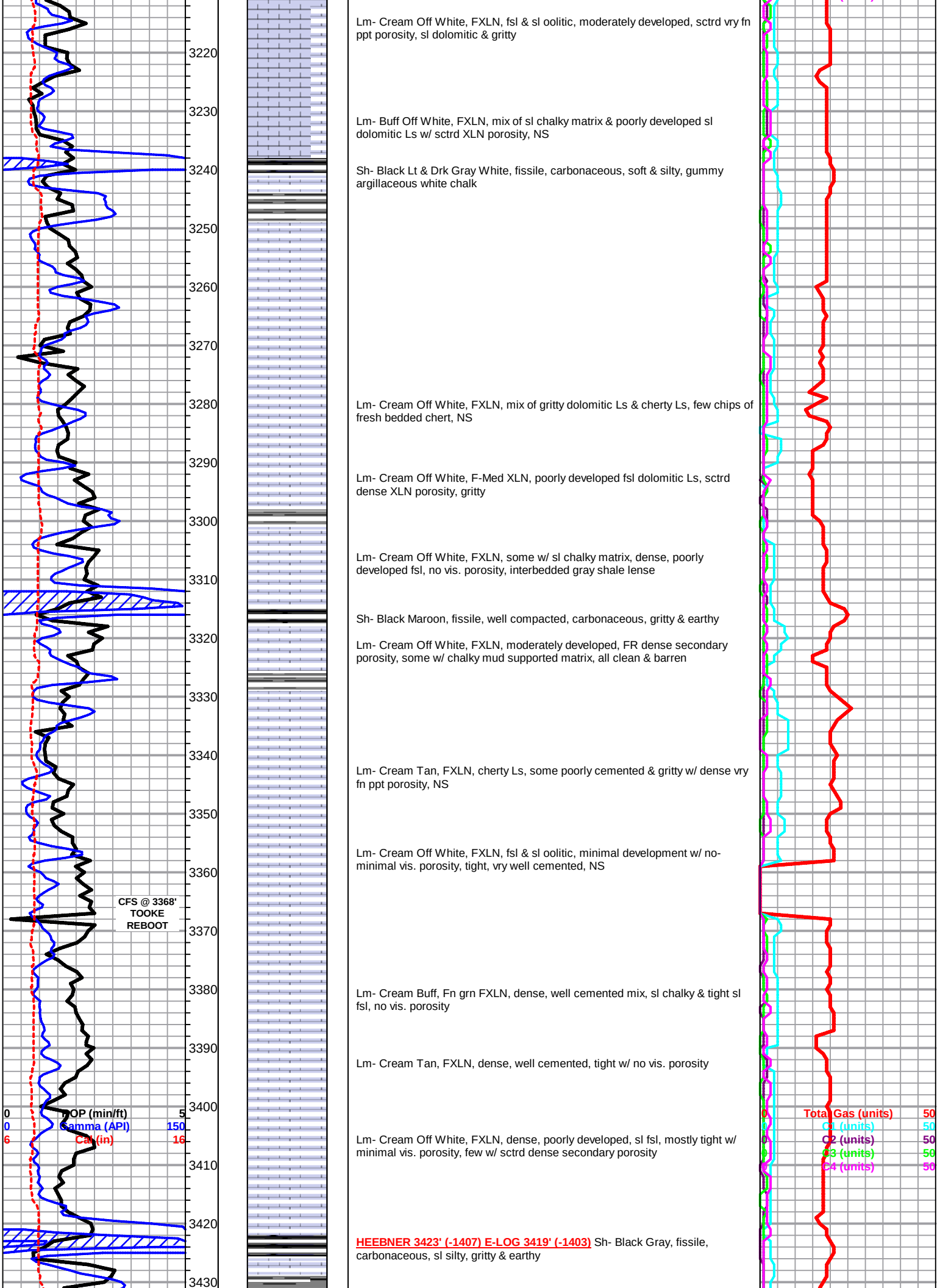
3210
0 Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50
Lm- Cream Tan Buff, FXLN, fsl & sl oolitic, 1-2 small spherical pearl shaped pelloid clusters w/ mud matrix, well cemented, poorly developed w/ micro - XLN porosity
Lm- A/A, w/ cream Vf grn, sl chalky, dense, no vis. porosity, few dove gray Fn grn Ss clusters speckled w/ glauconite, mod. developed w/ vry fn ppt porosity, NS, interbedded lt gray shale lenses
Sh- Maroon Lm Green, sl calcareous, soft sl gummy
Lm- Cream Off White, FXLN, fsl, dense, poorly developed w/ minimal vis. porosity
Lm- Tan Cream, FXLN, fsl, poorly developed w/ no-minimal vis. porosity, few chips of VFXLN dolomitic Ls, mostly consistant micro XLN porosity, NS
Sh- Lt & Drk Gray Maroon Lm Green, some sl calcareous, dense, gritty & earthy
TOPEKA 3143' (-1127) E-LOG 3137' (-1121)
Lm- Tan Cream, FXLN, fsl w/ few loose pyritized crinoids, mostly high-energy bio-turbated mix, sctrd XLN porosity
Lm- Off White Buff Lt Gray, FXLN, dense, poorly developed fsl, no nis. porosity, few loose fusulinids, few chips of cream sharp angular chert
Lm- Cream Tan, F-Med XLN, mix of sl chalky & fsl F-M XLN, some sl dolomitic Ls, sctrd development, some w/ FR xln porosity, NS
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50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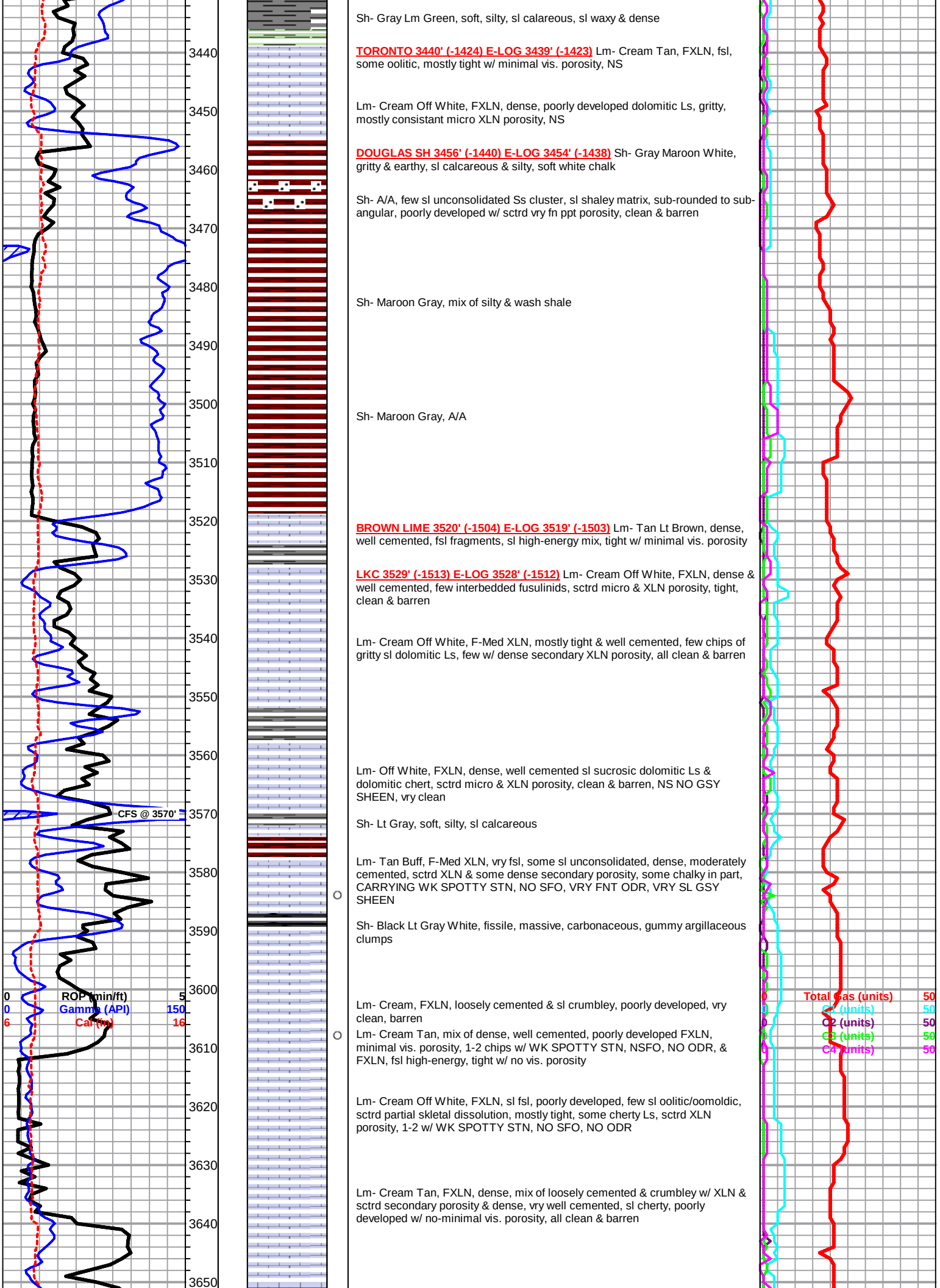
CFS @ 3368'
TOOKE
REBOOT
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 50
C1 (units) 50
C2 (units) 50
C3 (units) 50
C4 (units) 50
Lm- Cream Off White, FXLN, fsl & sl oolitic, moderately developed, sctrd vry fn ppt porosity, sl dolomitic & gritty
Lm- Buff Off White, FXLN, mix of sl chalky matrix & poorly developed sl dolomitic Ls w/ sctrd XLN porosity, NS
Sh- Black Lt & Drk Gray White, fissile, carbonaceous, soft & silty, gummy argillaceous white chalk
Lm- Cream Off White, FXLN, mix of gritty dolomitic Ls & cherty Ls, few chips of fresh bedded chert, NS
Lm- Cream Off White, F-Med XLN, poorly developed fsl dolomitic Ls, sctrd dense XLN porosity, gritty
Lm- Cream Off White, FXLN, some w/ sl chalky matrix, dense, poorly developed fsl, no vis. porosity, interbedded gray shale lense
Sh- Black Maroon, fissile, well compacted, carbonaceous, gritty & earthy
Lm- Cream Off White, FXLN, moderately developed, FR dense secondary porosity, some w/ chalky mud supported matrix, all clean & barren
Lm- Cream Tan, FXLN, cherty Ls, some poorly cemented & gritty w/ dense vry fn ppt porosity, NS
Lm- Cream Off White, FXLN, fsl & sl oolitic, minimal development w/ no-minimal vis. porosity, tight, vry well cemented, NS
Lm- Cream Buff, Fn grn FXLN, dense, well cemented mix, sl chalky & tight sl fsl, no vis. porosity
Lm- Cream Tan, FXLN, dense, well cemented, tight w/ no vis. porosity
Lm- Cream Off White, FXLN, dense, poorly developed, sl fsl, mostly tight w/ minimal vis. porosity, few w/ sctrd dense secondary porosity
HEEBNER 3423' (-1407) E-LOG 3419' (-1403) Sh- Black Gray, fissile, carbonaceous, sl silty, gritty & earthy



Sh- Gray Lm Green, soft, silty, sl calareous, sl waxy & dense

TORONTO 3440' (-1424) E-LOG 3439' (-1423) Lm- Cream Tan, FXLN, fsl, some oolitic, mostly tight w/ minimal vis. porosity, NS

Lm- Cream Off White, FXLN, dense, poorly developed dolomitic Ls, gritty, mostly consistant micro XLN porosity, NS

DOUGLAS SH 3456' (-1440) E-LOG 3454' (-1438) Sh- Gray Maroon White, gritty & earthy, sl calcareous & silty, soft white chalk

Sh- A/A, few sl unconsolidated Ss cluster, sl shaley matrix, sub-rounded to sub-angular, poorly developed w/ sctrd vry fn ppt porosity, clean & barren

Sh- Maroon Gray, mix of silty & wash shale

Sh- Maroon Gray, A/A

BROWN LIME 3520' (-1504) E-LOG 3519' (-1503) Lm- Tan Lt Brown, dense, well cemented, fsl fragments, sl high-energy mix, tight w/ minimal vis. porosity

LKC 3529' (-1513) E-LOG 3528' (-1512) Lm- Cream Off White, FXLN, dense & well cemented, few interbedded fusulinids, sctrd micro & XLN porosity, tight, clean & barren

Lm- Cream Off White, F-Med XLN, mostly tight & well cemented, few chips of gritty sl dolomitic Ls, few w/ dense secondary XLN porosity, all clean & barren

Lm- Off White, FXLN, dense, well cemented sl sucrosic dolomitic Ls & dolomitic chert, sctrd micro & XLN porosity, clean & barren, NS NO GSY SHEEN, vry clean

Sh- Lt Gray, soft, silty, sl calcareous

Lm- Tan Buff, F-Med XLN, vry fsl, some sl unconsolidated, dense, moderately cemented, sctrd XLN & some dense secondary porosity, some chalky in part, CARRYING WK SPOTTY STN, NO SFO, VRY FNT ODR, VRY SL GSY SHEEN

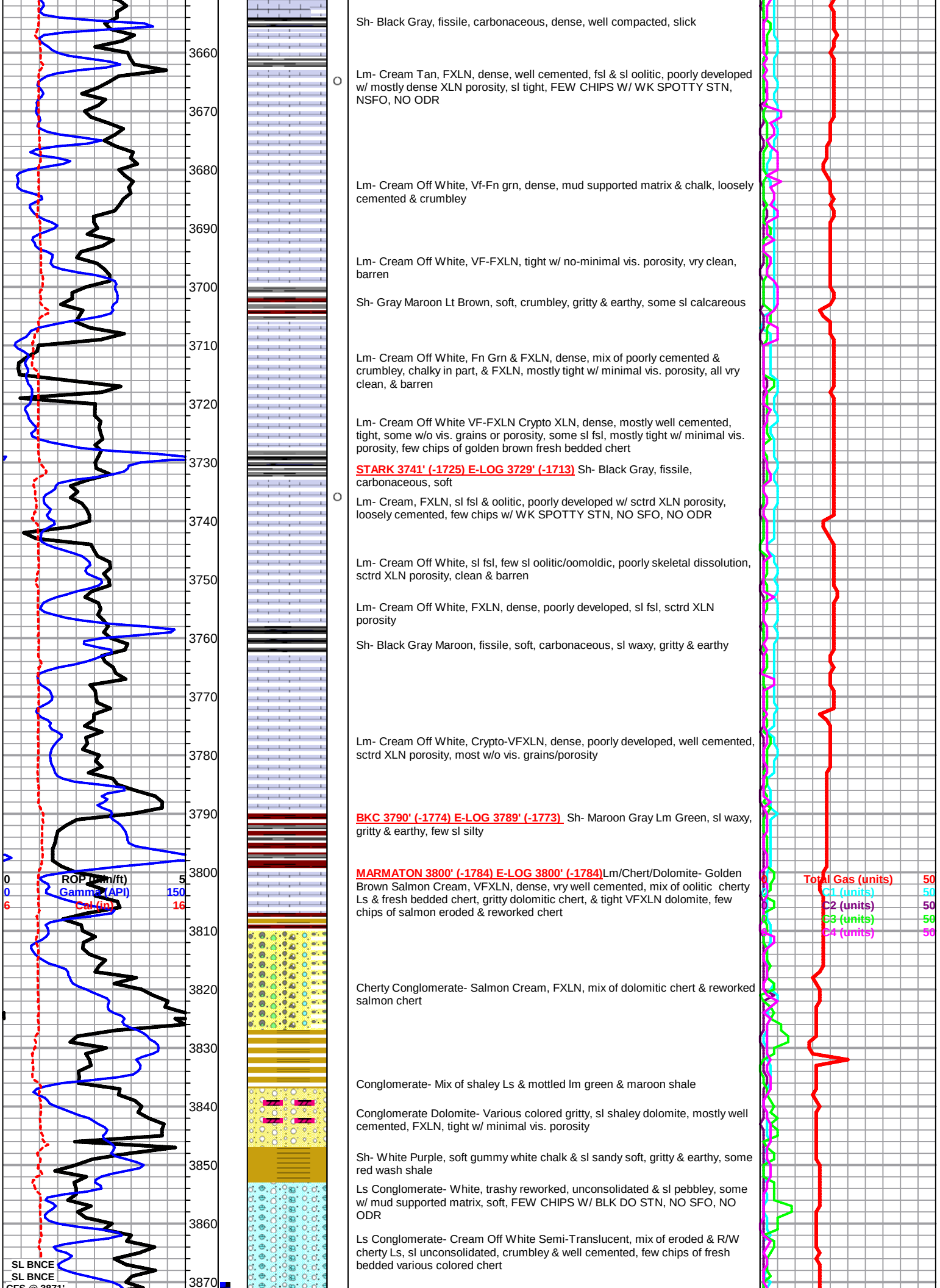
Sh- Black Lt Gray White, fissile, massive, carbonaceous, gummy argillaceous clumps

Lm- Cream, FXLN, loosely cemented & sl crumbley, poorly developed, vry clean, barren

Lm- Cream Tan, mix of dense, well cemented, poorly developed FXLN, minimal vis. porosity, 1-2 chips w/ WK SPOTTY STN, NSFO, NO ODR, & FXLN, fsl high-energy, tight w/ no vis. porosity

Lm- Cream Off White, FXLN, sl fsl, poorly developed, few sl oolitic/oomoldic, sctrd partial skletal dissolution, mostly tight, some cherty Ls, sctrd XLN porosity, 1-2 w/ WK SPOTTY STN, NO SFO, NO ODR

Lm- Cream Tan, FXLN, dense, mix of loosely cemented & crumbley w/ XLN & sctrd secondary porosity & dense, vry well cemented, sl cherty, poorly developed w/ no-minimal vis. porosity, all clean & barren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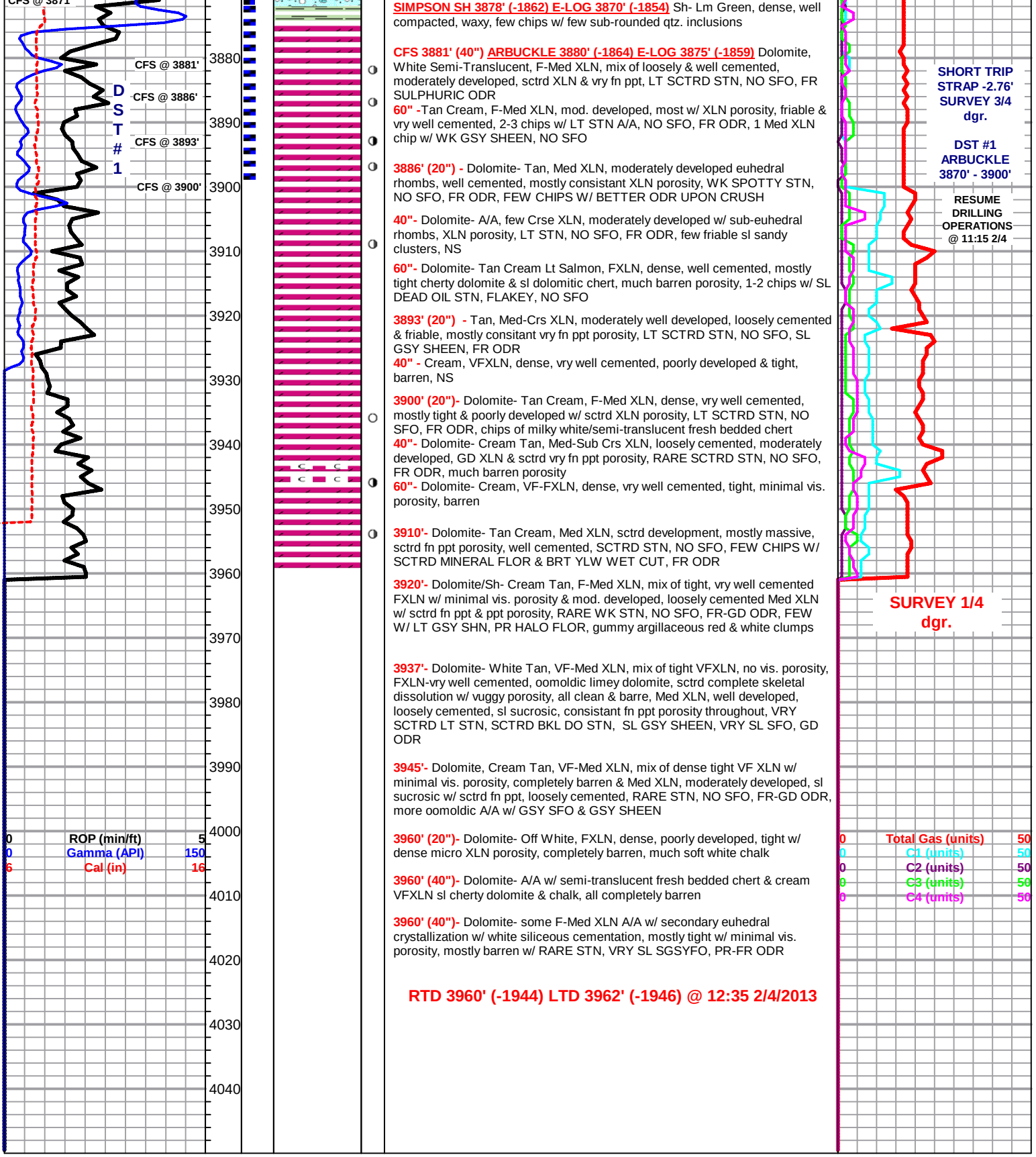
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
SL BNCE
SL BNCE
Sh- Black Gray, fissile, carbonaceous, dense, well compacted, slick
Lm- Cream Tan, FXLN, dense, well cemented, fsl & sl oolitic, poorly developed w/ mostly dense XLN porosity, sl tight, FEW CHIPS W/ WK SPOTTY STN, NSFO, NO ODR
Lm- Cream Off White, Vf-Fn grn, dense, mud supported matrix & chalk, loosely cemented & crumbley
Lm- Cream Off White, VF-FXLN, tight w/ no-minimal vis. porosity, vry clean, barren
Sh- Gray Maroon Lt Brown, soft, crumbley, gritty & earthy, some sl calcareous
Lm- Cream Off White, Fn Grn & FXLN, dense, mix of poorly cemented & crumbley, chalky in part, & FXLN, mostly tight w/ minimal vis. porosity, all vry clean, & barren
Lm- Cream Off White VF-FXLN Crypto XLN, dense, mostly well cemented, tight, some w/o vis. grains or porosity, some sl fsl, mostly tight w/ minimal vis. porosity, few chips of golden brown fresh bedded chert
STARK 3741' (-1725) E-LOG 3729' (-1713) Sh- Black Gray, fissile, carbonaceous, soft
Lm- Cream, FXLN, sl fsl & oolitic, poorly developed w/ sctrd XLN porosity, loosely cemented, few chips w/ WK SPOTTY STN, NO SFO, NO ODR
Lm- Cream Off White, sl fsl, few sl oolitic/oomoldic, poorly skeletal dissolution, sctrd XLN porosity, clean & barren
Lm- Cream Off White, FXLN, dense, poorly developed, sl fsl, sctrd XLN porosity
Sh- Black Gray Maroon, fissile, soft, carbonaceous, sl waxy, gritty & earthy
Lm- Cream Off White, Crypto-VFXLN, dense, poorly developed, well cemented, sctrd XLN porosity, most w/o vis. grains/porosity
BKC 3790' (-1774) E-LOG 3789' (-1773) Sh- Maroon Gray Lm Green, sl waxy, gritty & earthy, few sl silty
MARMATON 3800' (-1784) E-LOG 3800' (-1784)Lm/Chert/Dolomite- Golden Brown Salmon Cream, VFXLN, dense, vry well cemented, mix of oolitic cherty Ls & fresh bedded chert, gritty dolomitic chert, & tight VFXLN dolomite, few chips of salmon eroded & reworked chert
Cherty Conglomerate- Salmon Cream, FXLN, mix of dolomitic chert & reworked salmon chert
Conglomerate- Mix of shaley Ls & mottled lm green & maroon shale
Conglomerate Dolomite- Various colored gritty, sl shaley dolomite, mostly well cemented, FXLN, tight w/ minimal vis. porosity
Sh- White Purple, soft gummy white chalk & sl sandy soft, gritty & earthy, some red wash shale
Ls Conglomerate- White, trashy reworked, unconsolidated & sl pebbley, some w/ mud supported matrix, soft, FEW CHIPS W/ BLK DO STN, NO SFO, NO ODR
Ls Conglomerate- Cream Off White Semi-Translucent, mix of eroded & R/W cherty Ls, sl unconsolidated, crumbley & well cemented, few chips of fresh bedded various colored chert
0 Total Gas (units) 50
0 C1 (units) 50
0 C2 (units) 50
0 C3 (units) 50
0 C4 (units) 50



SIMPSON SH 3878' (-1862) E-LOG 3870' (-1854) Sh- Lm Green, dense, well compacted, waxy, few chips w/ few sub-rounded qtz. inclusions

CFS 3881' (40") ARBUCKLE 3880' (-1864) E-LOG 3875' (-1859) Dolomite, White Semi-Translucent, F-Med XLN, mix of loosely & well cemented, moderately developed, sctrd XLN & vry fn ppt, LT SCTRD STN, NO SFO, FR SULPHURIC ODR

60" -Tan Cream, F-Med XLN, mod. developed, most w/ XLN porosity, friable & vry well cemented, 2-3 chips w/ LT STN A/A, NO SFO, FR ODR, 1 Med XLN chip w/ WK GSY SHEEN, NO SFO

3886' (20") - Dolomite- Tan, Med XLN, moderately developed euhedral rhombs, well cemented, mostly consistant XLN porosity, WK SPOTTY STN, NO SFO, FR ODR, FEW CHIPS W/ BETTER ODR UPON CRUSH

40"- Dolomite- A/A, few Crse XLN, moderately developed w/ sub-euhedral rhombs, XLN porosity, LT STN, NO SFO, FR ODR, few friable sl sandy clusters, NS

60"- Dolomite- Tan Cream Lt Salmon, FXLN, dense, well cemented, mostly tight cherty dolomite & sl dolomitic chert, much barren porosity, 1-2 chips w/ SL DEAD OIL STN, FLAKEY, NO SFO

3893' (20") - Tan, Med-Crs XLN, moderately well developed, loosely cemented & friable, mostly consitant vry fn ppt porosity, LT SCTRD STN, NO SFO, SL GSY SHEEN, FR ODR

40" - Cream, VFXLN, dense, vry well cemented, poorly developed & tight, barren, NS

3900' (20")- Dolomite- Tan Cream, F-Med XLN, dense, vry well cemented, mostly tight & poorly developed w/ sctrd XLN porosity, LT SCTRD STN, NO SFO, FR ODR, chips of milky white/semi-translucent fresh bedded chert

40"- Dolomite- Cream Tan, Med-Sub Crs XLN, loosely cemented, moderately developed, GD XLN & sctrd vry fn ppt porosity, RARE SCTRD STN, NO SFO, FR ODR, much barren porosity

60"- Dolomite- Cream, VF-FXLN, dense, vry well cemented, tight, minimal vis. porosity, barren

3910'- Dolomite- Tan Cream, Med XLN, sctrd development, mostly massive, sctrd fn ppt porosity, well cemented, SCTRD STN, NO SFO, FEW CHIPS W/ SCTRD MINERAL FLOR & BRT YLW WET CUT, FR ODR

3920'- Dolomite/Sh- Cream Tan, F-Med XLN, mix of tight, vry well cemented FXLN w/ minimal vis. porosity & mod. developed, loosely cemented Med XLN w/ sctrd fn ppt & ppt porosity, RARE WK STN, NO SFO, FR-GD ODR, FEW W/ LT GSY SHN, PR HALO FLOR, gummy argillaceous red & white clumps

3937'- Dolomite- White Tan, VF-Med XLN, mix of tight VFXLN, no vis. porosity, FXLN-vry well cemented, oomoldic limey dolomite, sctrd complete skeletal dissolution w/ vuggy porosity, all clean & barre, Med XLN, well developed, loosely cemented, sl sucrosic, consistant fn ppt porosity throughout, VRY SCTRD LT STN, SCTRD BKL DO STN, SL GSY SHEEN, VRY SL SFO, GD ODR

3945'- Dolomite, Cream Tan, VF-Med XLN, mix of dense tight VF XLN w/ minimal vis. porosity, completely barren & Med XLN, moderately developed, sl sucrosic w/ sctrd fn ppt, loosely cemented, RARE STN, NO SFO, FR-GD ODR, more oomoldic A/A w/ GSY SFO & GSY SHEEN

3960' (20")- Dolomite- Off White, FXLN, dense, poorly developed, tight w/ dense micro XLN porosity, completely barren, much soft white chalk

3960' (40")- Dolomite- A/A w/ semi-translucent fresh bedded chert & cream VFXLN sl cherty dolomite & chalk, all completely barren

3960' (40")- Dolomite- some F-Med XLN A/A w/ secondary euhedral crystallization w/ white siliceous cementation, mostly tight w/ minimal vis. porosity, mostly barren w/ RARE STN, VRY SL SGSYFO, PR-FR ODR

RTD 3960' (-1944) LTD 3962' (-1946) @ 12:35 2/4/2013

SHORT TRIP STRAP -2.76' SURVEY 3/4 dgr.

DST #1 ARBUCKLE 3870' - 3900'

RESUME DRILLING OPERATIONS @ 11:15 2/4

SURVEY 1/4 dgr.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6405

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-30-13	6	22	16	PAWNEE	KANSAS	7:30 AM	3:45 PM

Location LARNED #56 Hwy - 2W - 1/8N - E/INTO

Lease FISHER Well No. #1-6

Owner CAPTIVA

Contractor STERLING #2

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job L. SURFACE

Hole Size 12 1/4" T.D. 1,035'

Csg. 8 5/8" Depth 1,030'

Charge To CAPTIVA

Street 2717 CANAL BLVD. - SUITE C

Tbg. Size Depth

City HAYS State KS, 67601

Tool Depth

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

Cement Left in Csg. Shoe Joint 35.40

Cement Amount Ordered 450 60/40 poz 3% CC - 2% Gel - 1/4 FLO

Meas Line Displace 63 1/4 BBLS

EQUIPMENT

Pumptrk #15	No.	Cementer	
		Helper	NICK
Bulktrk #	No.	Driver	
		Driver	BILLY
Bulktrk P/U	No.	Driver	
		Driver	CISCO

JOB SERVICES & REMARKS

Remarks: Q.O.C - HEAD & MANIFOLD ON LOCATION.

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

CEMENT DID CIRCULATE!

THANK YOU!

X Signature

Common	270
Poz. Mix	180
Gel.	10
Calcium	18
Hulls	
Salt	
Flowseal	112 #
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	478
Mileage	

FLOAT EQUIPMENT

Guide Shoe	1 - 8 5/8" SLIP ON.
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1 - 8 5/8" RUBBER PLUG
Pumptrk Charge	Long Surface
Mileage	32
Tax	
Discount	
Total Charge	

ALLIED OIL & GAS SERVICES, LLC 059257

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: West Bend, IL

DATE	SEC	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
2-5-13	6	22	16	2-4-13 5:30 PM	11:00 PM	6:20 AM	7:00 AM

LEASE	WELL#	LOCATION	COUNTY	STATE
Fisher	1-6	Local 2 west on Sic Hwy 1/16 North, East into	Pewaukee	IL

OLD OR (NEW) (Circle one)

1.03 8.3 ckd

CONTRACTOR Sterling Rig #2
TYPE OF JOB Rotary Plug
OWNER Same

HOLE SIZE	7 7/8"	T.D.	3961'
CASING SIZE		DEPTH	
TUBING SIZE		DEPTH	
DRILL PIPE	4 1/2"	DEPTH	3880'
TOOL		DEPTH	
PRES. MAX		MINIMUM	
MEAS. LINE		SHOE JOINT	
CEMENT LEFT IN CSG.			
PERFS.			
DISPLACEMENT			

EQUIPMENT

PUMP TRUCK # 316	CEMENTER	Tom Nielsen 1
	HELPER	Kevin Eddy 2
BULK TRUCK # 341	DRIVER	Dan Cooper 3
BULK TRUCK #	DRIVER	

REMARKS:

50 sx at 3880'
50 sx at 1060'
40 sx at 480'
20 sx at 60'
30 sx in Rathole
20 sx in Manifold

Thank You

CHARGE TO: Captiva

STREET

CITY STATE ZIP

CEMENT
AMOUNT ORDERED 210 sx 60/40, 4% gel

COMMON	126	@ 17.90	2.255.40
POZMIX	84	@ 9.35	785.40
GEL	7	@ 23.40	163.80
CHLORIDE		@	
ASC		@	
HANDLING	221.66	@ 2.48	549.77
MILEAGE	9.38 x 22 x	2.60	536.33
		TOTAL	4.290.34

206.35

SERVICE

DEPTH OF JOB	3880'		
PUMP TRUCK CHARGE			2600.47
EXTRA FOOTAGE		@	
MILEAGE	Hum 22	@ 7.70	169.40
MANIFOLD		@	
	Hum 22	@ 4.40	96.80
		@	
		TOTAL	2.866.67

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

SALES TAX (If Any) 594.07
TOTAL CHARGES 7.157.51
DISCOUNT 1.431.54 IF PAID IN 30 DAYS
5.726.00

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.

PRINTED NAME X

SIGNATURE X

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/

July 31, 2013

Chris Gottschalk
Shelby Resources LLC
2717 Canal Blvd
Suite C
HAYS, KS 67601

Re: ACO1
API 15-145-21706-00-00
Fisher 1-6
SE/4 Sec.06-22S-16W
Pawnee 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,
Chris Gottschalk

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 02, 2013

Chris Gottschalk
Shelby Resources LLC
2717 Canal Blvd
Suite C
HAYS, KS 67601

Re: ACO-1
API 15-145-21706-00-00
Fisher 1-6
SE/4 Sec.06-22S-16W
Pawnee County, Kansas

Dear Chris Gottschalk:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 01/29/2013 and the ACO-1 was received on July 31, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department