Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1085623

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 # 33168
Name: Woolsey Operating Company, LLC
Address 1: 125 N MARKET STE 1000
Address 2:
City: WICHITA State: KS Zip: 67202 + 1729
Contact Person: DEAN PATTISSON
Phone: (316) 267-4379
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: BILL KLAVER
Purchaser: PLAINS MARKETING / ATLAS

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 #:

07/05/2014 Spud Date or Recompletion Date
07/15/2014 Date Reached TD
08/13/2014 Completion Date or Recompletion Date

API No. 15 - 15-007-24191-00-00
Spot Description:
NE - NE - NW - SW Sec. 19 Twp. 32 S. R. 12 ☐ East ☑ West
2465 Feet from ☐ North / ☑ South Line of Section
1145 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: Barber
Lease Name: WARREN FEE Well #: 12
Field Name: MEDICINE LODGE NORTH
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 1646 Kelly Bushing: 1658
Total Vertical Depth: 4925 Plug Back Total Depth: 4741
Amount of Surface Pipe Set and Cemented at: 235 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: 39000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: WOOLSEY OPERATING / WOOLSEY OPERATING
Lease Name: CLARKE License #: 33168
Quarter SW Sec. 8 Twp. 32 S. R. 12 ☐ East ☑ West
County: BARBER Permit #: D-28865

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: 11/03/2014
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 11/03/2014

1085623

Operator Name: Woolsey Operating Company, LLC Lease Name: WARREN FEE Well #: 12

Sec. 19 Twp. 32 S. R. 12 ☐ East ☑ West County: Barber

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:

Compensated Density/Neutron PE
Dual Induction

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

Name: Attached Top: Attached Datum: 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	17.5	13.375	48	235	CLASS A	300	2% gel, 3% cc
PRODUCTION	7.875	5.5	15.5	4790	60/40 POZ	50	
PRODUCTION	7.875	5.5	15.5	4790	CLASS H	90	see attached

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
2	4450-4482 & 4488-4506	2500 GAL 10% MIRA	4450-4506 OA
		296,000 gallons slick water, 62,504 gallons Progel LG200,	
		139,600# 30/50 sd, 104,000# 16/30 sd, some chemicals & gelling agents	4450-4506 OA

TUBING RECORD: Size: 2.375 x 4.7# Set At: 4566 Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 8/18/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	30	90	90		

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: 4450-4506 OA

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

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	WARREN FEE 12
Doc ID	1085623

Tops

Name	Top	Datum
CHASE	1968	-310
ELGIN SD	3630	-1972
DOUGLAS	3769	-2111
LANSING A	3890	-2232
PAWNEE LS	4426	-2768
MISSISSIPPIAN	4443	-2785
VIOLA	4733	-3075
SIMPSON	4828	-3170

ALLIED OIL & GAS SERVICES, LLC 063207

Federal Tax I.D. # 20-8651475

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

JUL 25 2014

SERVICE POINT: Medicine Lodge KS

DATE 7-5-14	SEC. 19	TWP. 32S	RANGE 12W	CALLED OUT	ON LOCATION 10:30P	JOB START 11:40P	JOB FINISH 12:15A
LEASE Warren Fee	WELL # 12		LOCATION Gyp Hills Rd S 4 to C.Guard Follow White Rock lease Rd			COUNTY Barber	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR Fossil Drilling
TYPE OF JOB Surface
HOLE SIZE 17 1/2 T.D. 228
CASING SIZE 13 3/8 DEPTH 235
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 20'
CEMENT LEFT IN CSG. 20'
PERFS.
DISPLACEMENT 32 1/4

OWNER Woolsey

CEMENT

AMOUNT ORDERED 300sx Class A + 2% Gel + 3% cc

COMMON	A 300 sx	@ 17.90	5370.00
POZMIX		@	
GEL	564#	@ 1.05	592.20
CHLORIDE	846	@ 1.10	930.60
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING		@	
MILEAGE			
20% = 1378.56		TOTAL	6892.80

EQUIPMENT

PUMP TRUCK # 894/265 CEMENTER Jake Heard
HELPER Ron Gilley
BULK TRUCK # 364 DRIVER Robert Johnson
BULK TRUCK # DRIVER

WELL FILE
Regulatory Correspondence
Drlg / Comp Workovers
Tests / Meters Operations

REMARKS:

On Location Safety meeting Spot in Rig up Safety meeting Run Casing Break circ Pressure Test pump Spacer Mix + pump Cmt Displace Stop Shut in

Cmt Did circ

SERVICE

DEPTH OF JOB	235		
PUMP TRUCK CHARGE	1718.75		
EXTRA FOOTAGE 40	12	@ 4.40	52.80
MILEAGE	12	@ 7.70	92.40
MANIFOLD		@	
Handling	324.4	@ 2.48	804.51
Mileage	177.66	@ 2.75	488.56
20% = 631.40		TOTAL	3157.02

CHARGE TO: Woolsey
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

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

SALES TAX (If Any)
TOTAL CHARGES 10,049.82
DISCOUNT IF PAID IN 30 DAYS
NET 8039.85

PRINTED NAME X MIKE THARP
SIGNATURE X Mike Tharp

ALLIED OIL & GAS SERVICES, LLC 063214

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Medicine Lodge KS

AUG 20 2014

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
7-16-14	19	32S	12W		5:00PM	9:20	10:15PM

LEASE	WELL #	LOCATION	COUNTY	STATE
Warren Fee	12	Gyp Hill Rd S 4 to CR W into	Barber	KS

OLD OR NEW (Circle one)

CONTRACTOR Fossil
TYPE OF JOB Production
HOLE SIZE 7 7/8 T.D. 4925
CASING SIZE 5 1/2 15.5 DEPTH 4790
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 45.10
CEMENT LEFT IN CSG. 45.10
PERFS.
DISPLACEMENT 116 2% KCL

OWNER Woolsey

EQUIPMENT

PUMP TRUCK # 894/265 CEMENTER Jake Head / Jason T
HELPER Ron Gilley
BULK TRUCK # 381/ DRIVER James Bowen
BULK TRUCK # DRIVER

REMARKS:

On Location Safety Meeting
Rig up Safety Meeting
Pump Test. Pump Spacer Mix+
Pump Lt+MudHole Go downhole
Mix+pump Cmt Stop Wash
pump+lines + ~~release~~ Release
plug Displace Pump plug
Floats held

CHARGE TO: Woolsey
STREET
CITY STATE ZIP

WELL FILE
Regulatory Correspondence
Drlg / Comp Workovers
Tests Operations
5 1/2

Thank You!

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 MIKE THARP
SIGNATURE X Mike Tharp

CEMENT

AMOUNT ORDERED 90 sx 60:40:4% Gel
90 sx Class H + 10% Gyp + 10% Salt + 6# Kolseal + .8% FL-160 + 1/4# Flosea

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
Class H 90 sx	@	25.28	2275.20
Gypseal 846#	@	.88	744.48
SALT 486#	@	.68	330.48
Kolseal 540#	@	.98	529.20
FL-160 68#	@	18.90	1285.20
Flosea 22#	@	2.97	65.34
Allied 60:40:4 90sx	@	18.92	1702.80
Clapro 10 Gal	@	34.40	344.00
HANDLING	@		
MILEAGE			
		TOTAL	7276.70

20% = 1455.34

SERVICE

DEPTH OF JOB 4790			
PUMP TRUCK CHARGE			2765.75
EXTRA FOOTAGE Dry Mileage	12	@ 4.40	52.80
MILEAGE	12	@ 7.70	92.40
MANIFOLD + Head		@	275.00
Handling 217.36 cu/ft		@ 2.48	539.05
Drayage 110.826 T-mile		@ 2.75	304.77
		TOTAL	4029.77

20% = 805.95

PLUG & FLOAT EQUIPMENT

1 LD Plug	@		660.00
1 AFU Float Shoe	@		545.00
16 Recip Scratchers	@	89.00	1424.00
7 Turbolizers	@	95.00	665.00
	@		
	TOTAL		3294.00

SALES TAX (If Any)
TOTAL CHARGES 14600.47
DISCOUNT 12,339.18 IF PAID IN 30 DAYS

CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED*

Company Name:	Woolsey Operating Company
Fracture Start Date/Time:	8/7/14 10:05
Fracture End Date/Time:	8/7/14 12:03
State:	Kansas
County:	Barber
Legal Description:	Sec. 19-32S-12W
API Number:	15-007-24191
Well Name:	Warren Fee #12
Longitude:	-98.6728933
Latitude:	37.2461189
Total Clean Fluid Volume* (gal):	369,516

Additive	*Specific Gravity*	*Additive Quantity*	*Mass (lbs)*	
Water	1.00	369,516	*3,083,611*	*gal*
Sand (Proppant)	2.65	102,312	*102,312*	*lb*
Plexcide B7	1.33	18	*200*	*gal*
Plexcide B7	1.33	18	*200*	*gal*
Plexgel Breaker XPA	1.03	60	*516*	*gal*
Plexset 730	0.90	0	*0*	*gal*
Plexset 730	0.90	0	*0*	*gal*
Plexsurf 580 ME	0.95	99	*785*	*gal*
Plexsurf 580 ME	0.95	99	*785*	*gal*
Plexslick 957	1.11	285	*2,640*	*gal*
Claymax	1.09	183	*1,665*	*gal*
Plexgel 907L-EB	1.04	346	*3,003*	*gal*
Plexgel 907L-EB	1.04	346	*3,003*	*gal*
Plexgel 907L-EB	1.04	346	*3,003*	*gal*
Plexgel 907L-EB	1.04	346	*3,003*	*gal*
Plexgel 907L-EB	1.04	346	*3,003*	*gal*
Plexgel Breaker 10L	1.10	4	*37*	*gal*
				gal
				gal
			Total Slurry Mass (Lbs)	
			3,207,764	

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00%	*3,083,611*	*96.12962%*	
Sand (Proppant)	Uniman	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100.00%	*102,312*	*3.18951%*	
Plexcide B7	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	5.00%	*10*	*0.00031%*	
Plexcide B7	Chemplex	Biocide	Alkaline Bromide Salts	NA	0.00%	*0*	*0.00000%*	
Plexgel Breaker XPA	Chemplex	Slickwater Breaker	Hydrogen Peroxide	7722-84-1	7.00%	*36*	*0.00113%*	
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50.00%	*0*	*0.00000%*	
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60.00%	*0*	*0.00000%*	
Plexsurf 580 ME	Chemplex	Product Stabalizer	Methyl Alcohol	67-56-1	10.00%	*78*	*0.00245%*	
Plexsurf 580 ME	Chemplex	Product Stabalizer	2-Butoxyethanol	111-76-2	50.00%	*392*	*0.01223%*	
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25.00%	*660*	*0.02057%*	
Claymax	Chemplex	Clay Stabilizer	No hazardous ingredient	NA	0.00%	*0*	*0.00000%*	
Plexgel 907L-EB	Chemplex	Gelling Agent	Distillates, Hydrotreated Light	64742-47-8	50.00%	*1,501*	*0.04681%*	
Plexgel 907L-EB	Chemplex	Gelling Agent	Organophylic Clay	NDA	2.00%	*60*	*0.00187%*	
Plexgel 907L-EB	Chemplex	Gelling Agent	Crystalline Silica	14808-60-7	0.06%	*2*	*0.00006%*	
Plexgel 907L-EB	Chemplex	Gelling Agent	Alcohol Ethoxylates	34398-01-1	1.00%	*30*	*0.00094%*	
Plexgel 907L-EB	Chemplex	Gelling Agent	Guar Gum	9000-30-0	50.00%	*1,501*	*0.04681%*	
Plexgel Breaker 10L	Chemplex	Breaker/Gel	No Hazardous Ingredients	NA	0.00%	*0*	*0.00000%*	
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

19-32S-12W Barber

Warren Fee 12

Job Ticket: 51808 **DST#: 1**

Test Start: 2014.07.12 @ 21:58:55

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:04:40
Time Test Ended: 06:33:40

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 4448.00 ft (KB) To 4496.00 ft (KB) (TVD)
Total Depth: 4496.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

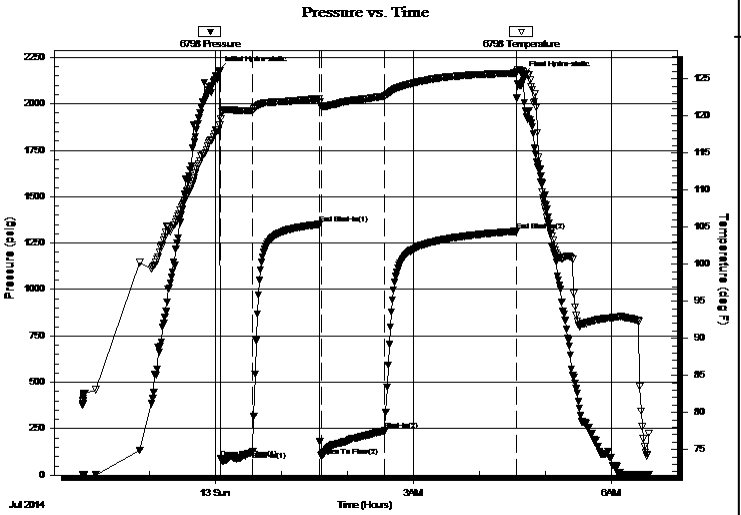
Reference Elevations: 1658.00 ft (KB)
1646.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 239.71 psig @ 4449.00 ft (KB)
Start Date: 2014.07.12 End Date: 2014.07.13
Start Time: 21:58:56 End Time: 06:33:40

Capacity: 8000.00 psig
Last Calib.: 2014.07.13
Time On Btm: 2014.07.13 @ 00:02:40
Time Off Btm: 2014.07.13 @ 04:38:55

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 22 minutes, Gauged & Caught Sample
ISI: Weak Surface Blow Back
FF: Strong Blow , BOB & GTS Immediate, Gauged Gas
FSI: Weak Surface Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.54	118.11	Initial Hydro-static
2	91.67	119.67	Open To Flow (1)
31	127.29	120.77	Shut-In(1)
92	1351.11	122.36	End Shut-In(1)
94	101.39	121.38	Open To Flow (2)
151	239.71	122.69	Shut-In(2)
271	1313.85	125.79	End Shut-In(2)
277	2153.07	126.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3875 GIP	0.00
120.00	GOCM 10%G 20%O 70%M	0.59
376.00	GOCM 10%G 40%O 50%M	4.11
62.00	GCM 30%G 70%M	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	22.00	57.74
Last Gas Rate	0.25	34.00	76.78
Max. Gas Rate	0.25	34.00	76.78

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

19-32S-12W Barber

Warren Fee 12

Job Ticket: 51808 **DST#: 1**

Test Start: 2014.07.12 @ 21:58:55

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3875 GIP	0.000
120.00	GOCM 10%G 20%O 70%M	0.590
376.00	GOCM 10%G 40%O 50%M	4.108
62.00	GCM 30%G 70%M	0.870

Total Length: 558.00 ft Total Volume: 5.568 bbl

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

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

19-32S-12W Barber

Warren Fee 12

Job Ticket: 51808 **DST#: 1**

Test Start: 2014.07.12 @ 21:58:55

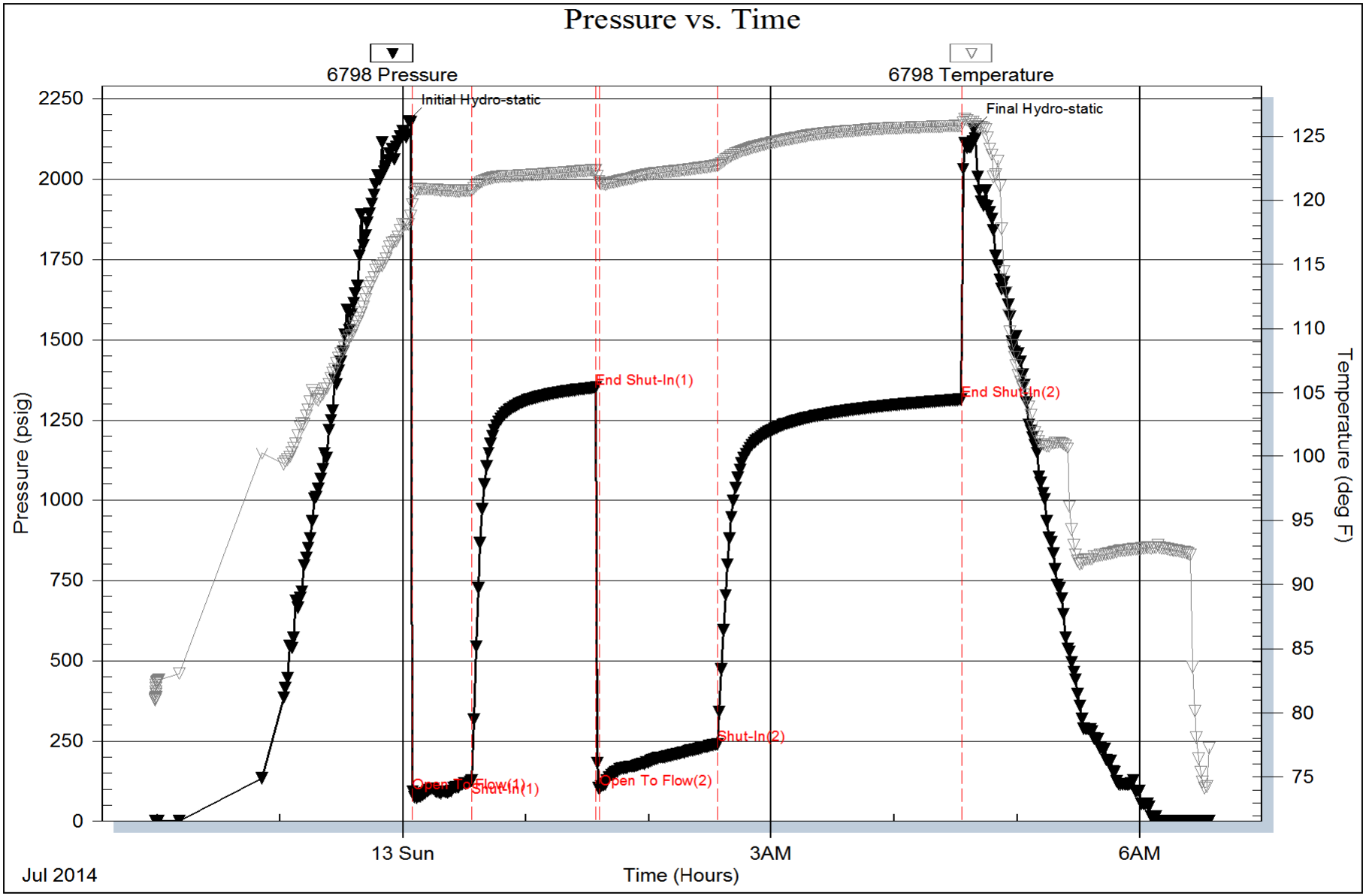
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	30	0.25	22.00	57.74
2	10	0.25	15.00	46.64
2	20	0.25	20.00	54.57
2	30	0.25	26.00	64.09
2	40	0.25	30.00	70.44
2	50	0.25	32.00	73.61
2	60	0.25	34.00	76.78

Serial #: 6798 **Inside** Woolsey Operating Co Warren Fee 12 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51808 Printed: 2014.07.13 @ 07:02:08

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

19-32S-12W Barber

Warren Fee 12

Job Ticket: 60481 **DST#: 2**

Test Start: 2014.07.14 @ 10:25:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:00:00
Time Test Ended: 18:42:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Bob Hamel
Unit No: 67

Interval: 4630.00 ft (KB) To 4754.00 ft (KB) (TVD)
Total Depth: 4754.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

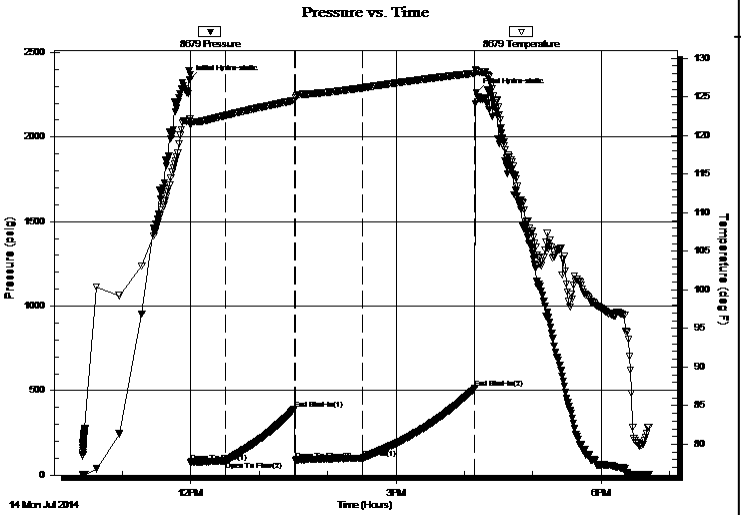
Reference Elevations: 1658.00 ft (KB)
1646.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8679

Press@RunDepth: 100.27 psig @ ft (KB)
Start Date: 2014.07.14 End Date: 2014.07.14
Start Time: 10:25:01 End Time: 18:42:00

Capacity: 8000.00 psig
Last Calib.: 2014.07.14
Time On Btm: 2014.07.14 @ 11:59:00
Time Off Btm: 2014.07.14 @ 16:10:30

TEST COMMENT: I.F. - 30 - 1/2" INT. BLOW BUILT TO (8" IN 30 MIN.)
I.S.I - 60 - NO B.B.
F.F. - 60 - 1/2" INT. BUILT TO (B.O.B IN 50 MIN.)
F.S.I. - 90 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2341.08	122.09	Initial Hydro-static
1	76.78	121.43	Open To Flow (1)
32	83.55	122.59	Open To Flow (2)
92	390.50	124.55	End Shut-In(1)
93	88.10	124.86	Open To Flow (3)
152	100.27	126.17	Shut-In(1)
250	513.38	128.06	End Shut-In(2)
252	2264.44	128.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	S,O,C,M 10%O 90%M	0.62
0.00	126' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13		

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

19-32S-12W Barber

Warren Fee 12

Job Ticket: 60481 **DST#: 2**

Test Start: 2014.07.14 @ 10:25:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

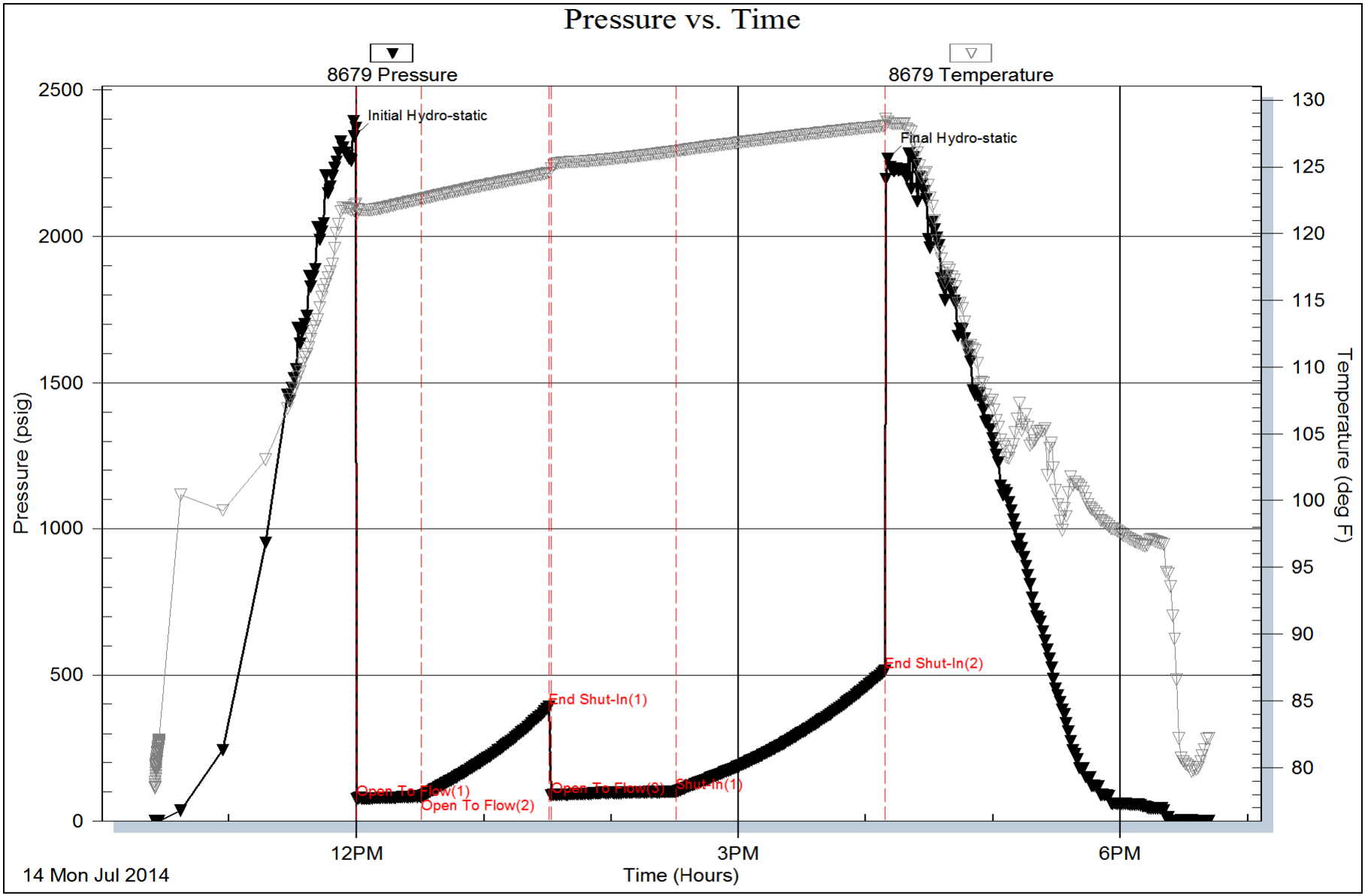
Recovery Table

Length ft	Description	Volume bbl
126.00	S,O,C,M 10%O 90%M	0.620
0.00	126' G.I.P.	0.000

Total Length: 126.00 ft Total Volume: 0.620 bbl

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

Serial #: 8679 | Woolsey Operating Co | Warren Fee 12 | DST Test Number: 2



Trilobite Testing, Inc | Ref. No: 60481 | Printed: 2014.07.14 @ 22:54:01

Woolsey Operating Company, LLC

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**Warren Fee #12**		
Location:	**Section 19 - Township 32 South - Range 12 West**		
License Number:	**15-007-24191-00-00**	**Region:**	**Barber County, Kansas**
Spud Date:	**July 5, 2014**	**Drilling Completed:**	**July 15, 2014**
Surface Coordinates:	**2465' FSL and 1145' FWL** **App. NE NE NW SW**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1646'**	**K.B. Elevation (ft):**	**1658'**
Logged Interval (ft):	**3600'** **To: 4925'**	**Total Depth (ft):**	**4925'**
Formation:	**Lansing/Kansas City -----> Simpson Group**		
Type of Drilling Fluid:	**Chemical Mud**		

OPERATOR

Company: **Woolsey Operating Company,LLC**
Address: **125 N. Market, Suite 1000**
Wichita, KS 67202

GEOLOGIST

Name: **Bill Klaver**
Company: **Woolsey Operating Co. LLC**
Address: **125 N. Market, Wichita Kansas, 67202**

COMMENTS

Surface Casing: Spud at 4:45 pm on 7/5/2014. Set 5 joints of new 13 3/8" X 48#/ft casing at 235' KB (tally 220') with 300 sx Class A, 2% gel, 3% (by Allied). Plug down 12:15 am on 7/6/2014. Cement did circulate.
Production Casing: 5 1/2" X 10.5#/ft

Deviation Surveys: 1 at 235', 1/4 at 1014', 1/4 at 1519', 1/4 at 1994', 1/4 at 2534', 0 at 3010', 1/4 at 3518', 1/2 at 4090', 1/2 at 4310', 1 at 4496', 1 at 4925'.
Pipe Strap @ 4496', Board: 4500.39', Strap: 4496.65, strap 3.74' short. No correction was made to the board.
Fossil Drilling Company Rig #3 Bit Record:
1) 17 1/2 Smith RR in at 0' out at 235', 3 hours
2) 7 7/8" Varel HE-21 in at 235' out at 4496', 90 1/2 hours
3) 7 7/8" Varel HE-29 in at 4496' out at 4925', 28 1/2 hours

Gas Detector: Woolsey Operating Co. Gas Trailer #2
Mud System: Mud Co. Brad Bortz, Engineer
DSTs: Trilobite Testing, Leal Cason, Bob Hamel, Testers
E-Logs: Nabors Completion and Production Services, Dual Induction Laterolog w/SP, CNL/FDC w/PE, Gamma Ray and Caliper. Jeff Luebbers, Engineer

DSTs

DST #1 Mississippi 4448'-4496', 30"-60"-60"-120" SB BOB in 30 seconds, GTS in 22 minutes. Recovered: 3875' GIP, 376' HO&GCM (10%Gas, 40% Oil, 50% Mud), 120' G&OCM (10%Gas, 20% Oil, 70% Mud), 62' GCM (30% Gas, 70% Mud). IHP 2180, IFP 91-127, ISIP 1351, FFP 101-239, FSIP 1313, FHP 2153, BHT 126 degrees. Gas Flow Rates: IFP GTS in 22 minutes, 30" 57.7 MCF. Final Flow: 10" 46.6 MCF, 20" 54.5 MCF, 30" 64.0 MCF, 40" 70.4 MCF, 50" 73.6 MCF,60" 76.7 MCF.

DST #2 Viola, 4630'-4754', 30"-60"-60"-90", Weak blow building to 6" on IFP, Weak blow building to BOB in 55" during FFP. Rec: 126' GIP, 126' SOCM (10% Oil, 90% Mud). IHP 2341, IFP 76-83, ISIP 390, FFP 88-100, FSIP 513, FHP 2264. BHT 130 deg.

CREWS

Jim Wenrich, (Part Time) Tool Pusher
Daniel Orrantea, Daylights
Ron Burns, Evening
Jim Morris (no show--ran off, relief filled in), Morning
Chris Slatts, Relief

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Sdy dolo
- Shy dolo
- Dol
- Gyp
- Sdy lmst
- Lmst
- Mrlst
- Salt
- Shale
- Sltst
- Ss
- Black sh
- Gry sh
- Shale
- Shysltst
- Sltysh
- Ss 2
- Shale 3
- Silty dol
- Dol lmst
- Dol 2
- Granite wash
- Lmst
- Calc dol
- Shale 3

ACCESSORIES

MINERAL

- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Ferrpel
- Ferr
- Glau
- Gyp
- Marl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Chlorite
- Dol
- Sand
- Slty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomoldic

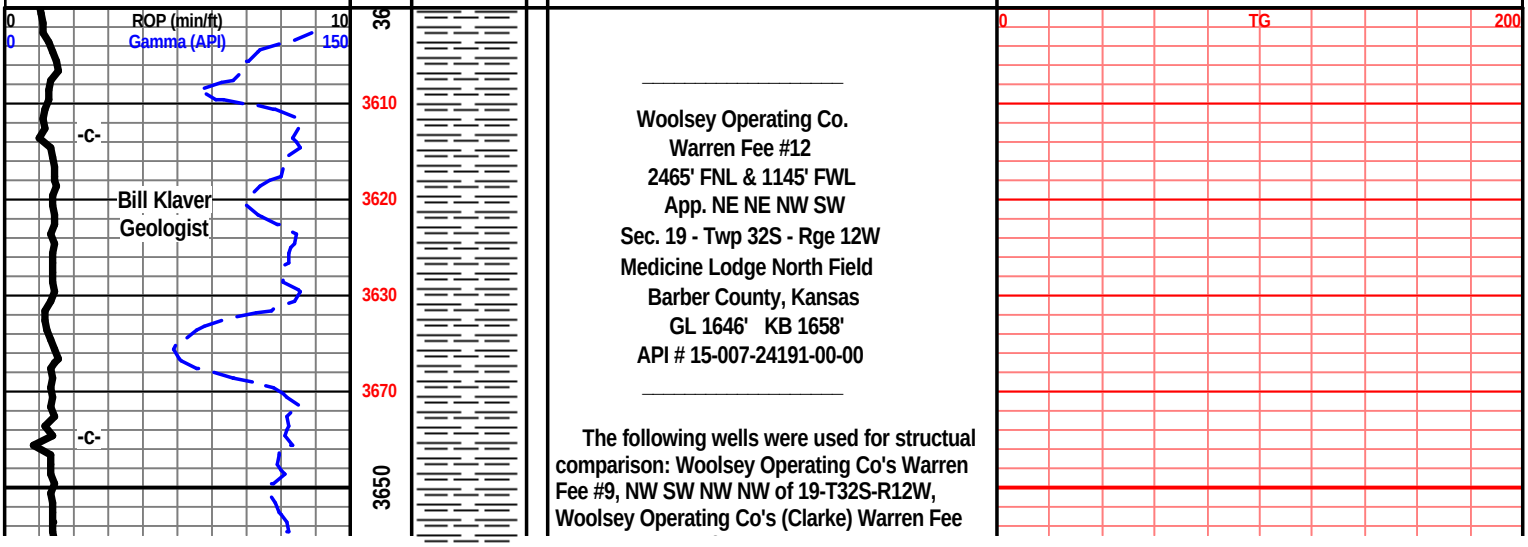
STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

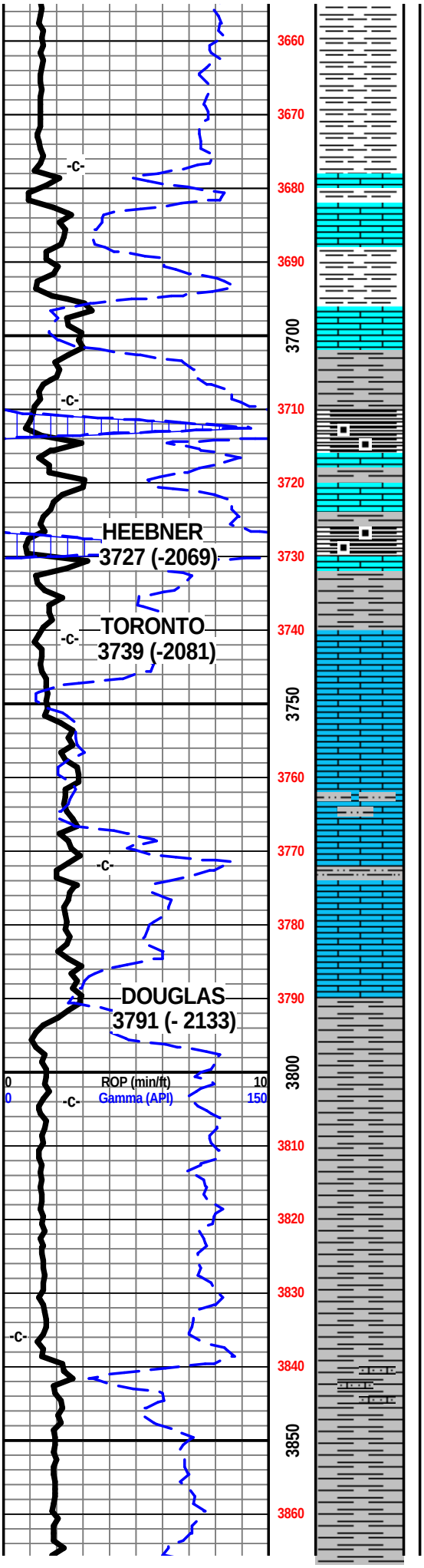
- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

Curve Track 1	Depth	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5
ROP (min/ft) Gamma (API)					TG (units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)



Woolsey Operating Co.
Warren Fee #12
2465' FNL & 1145' FWL
App. NE NE NW SW
Sec. 19 - Twp 32S - Rge 12W
Medicine Lodge North Field
Barber County, Kansas
GL 1646' KB 1658'
API # 15-007-24191-00-00

The following wells were used for structual comparison: Woolsey Operating Co's Warren Fee #9, NW SW NW NW of 19-T32S-R12W, Woolsey Operating Co's (Clarke) Warren Fee

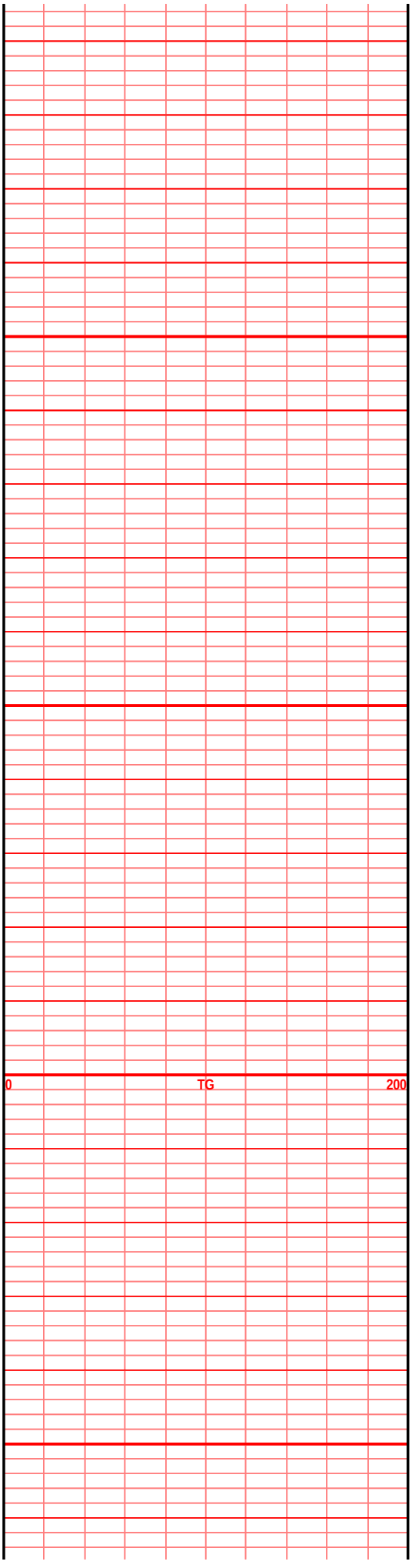


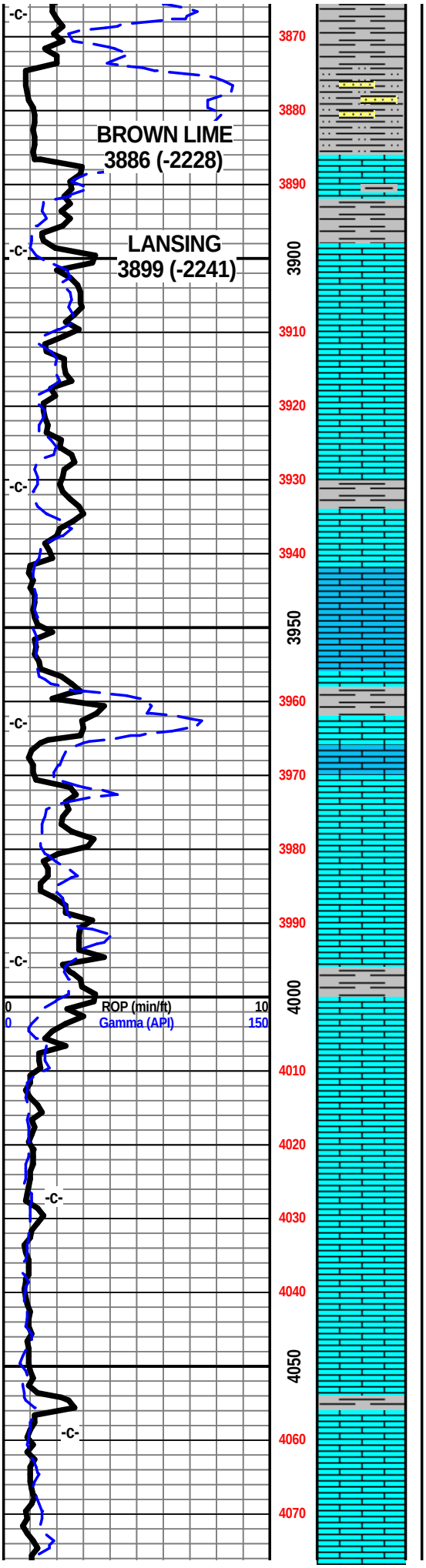
#6, NW SW NW of 19-T32S-R12W.

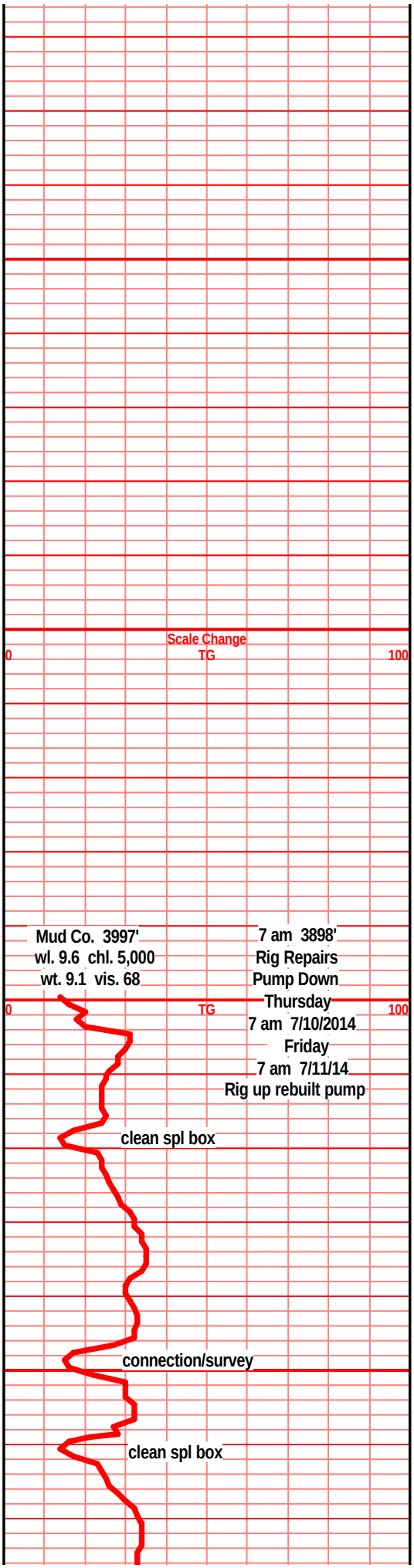
One minute drill time was recorded from 3600' to rotary total depth. Ten foot and circulating samples were collected from 4200' to rotary total depth. All samples were requested by and delivered to the survey at the completion of the test.

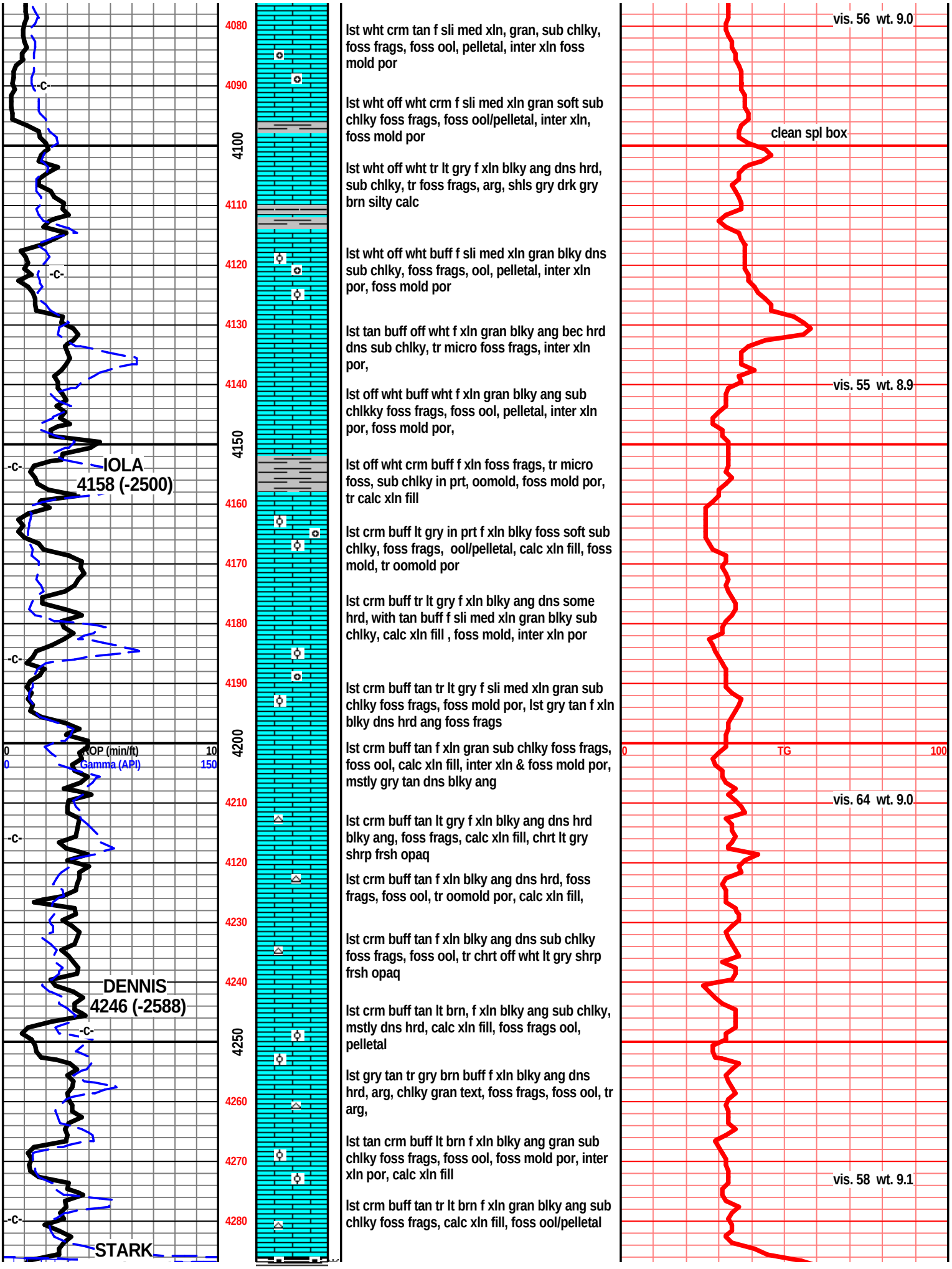
7am Daily Progress:
July 5, 2014 MIRT/SPUD
July 6, 2014 WOC
July 7, 2014 Drilling at 1542'
July 8, 2014 Drilling at 2404'
July 9, 2014 Drilling at 3314'
July 10, 2014 Rig Repairs at 3897' (pump)
July 11, 2014 Rig up rebuilt pump (3897')
July 12, 2014 Drilling at 4338'
July 13, 2014 DST #1 at 4496' (Miss)
July 14, 2014 DST #2 at 4754' (Viola)
July 15, 2014 CFS at 4858'. E-logs out 10 pm.

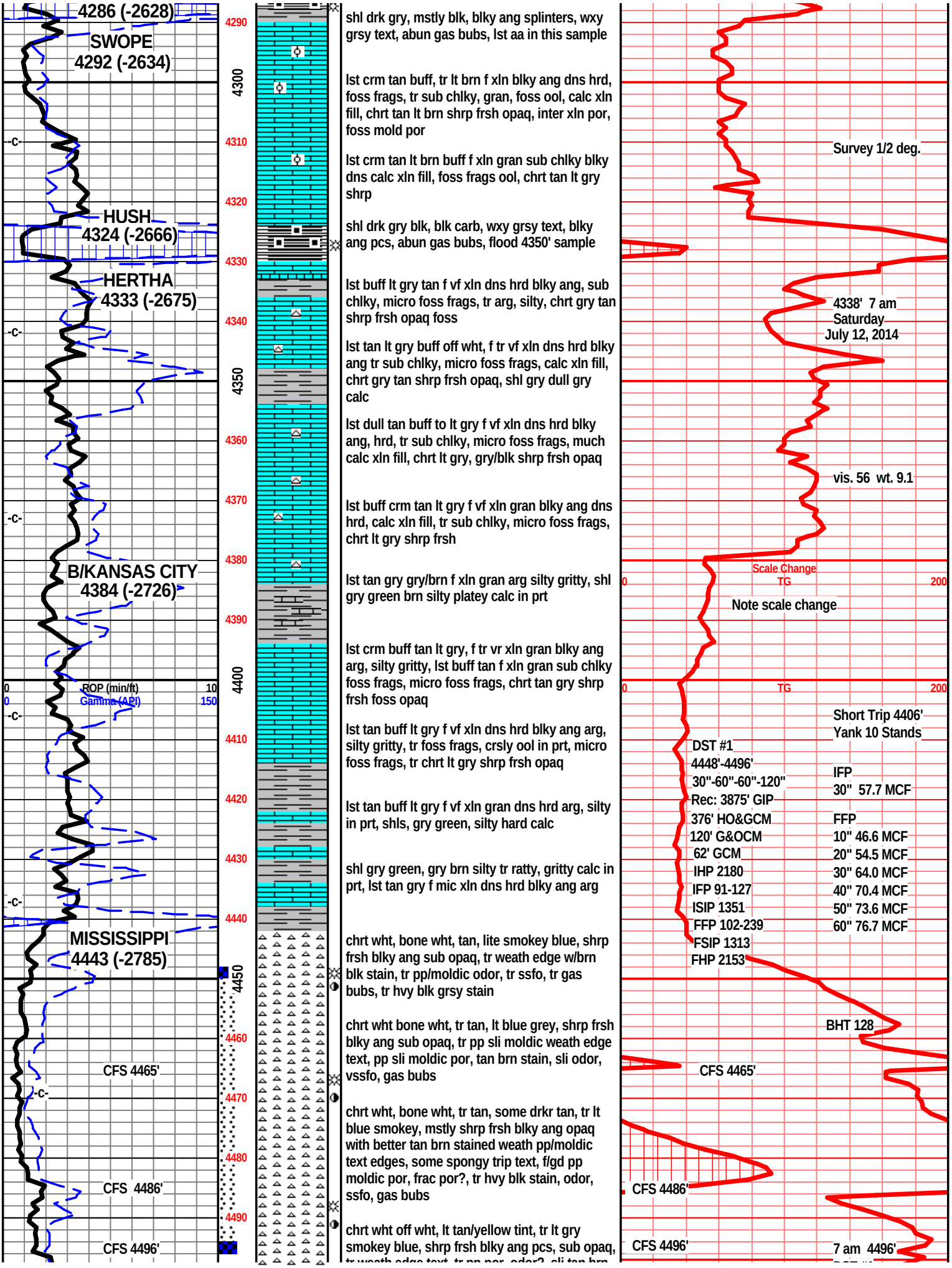
E-log Tops:
Chase 1968 (-310)
Onaga 2786 (-1128)
Wabaunsee 2842 (-1184)
LeCompton 3511 (-1853)
Kanwaka 3552 (-1894)
Heebner 3724 (-2066)
Toronto 3744 (-2086)
Douglas Grp 3768 (-2110)
Amazonia Lst 3783 (-2125)
Brown Lime 3885 (-2227)
Lansing 3890 (-2232)
KC Iola 'G' 4157 (-2499)
KC Dennis 'I' 4246 (-2588)
Stark 4284 (-2626)
KC Swope 'K' 4290 (-2632)
Hushpuckney 4320 (-2662)
KC Hertha 'K' 4331 (-2673)
B/Kansas City 4376 (-2718)
Pawnee 4425 (-2767)
MIssissippi Unc. 4443 (-2785)
Keokuk Porosity 4443 (-2785)
Keokuk Porosity Base 4457 (-2799
Compton 4570 (-2912)
Kinderhook 4636 (-2978)
Woodford 4700 (-3042
Viola 4732 (-3074)
Simpson Group 4828 (-3170)
Simpson 'D Sand 4846 (-3188)
Wilcox Sand 4860 (-3202)
McLish 4877 (-3219)
LTD 4923 (-3265)

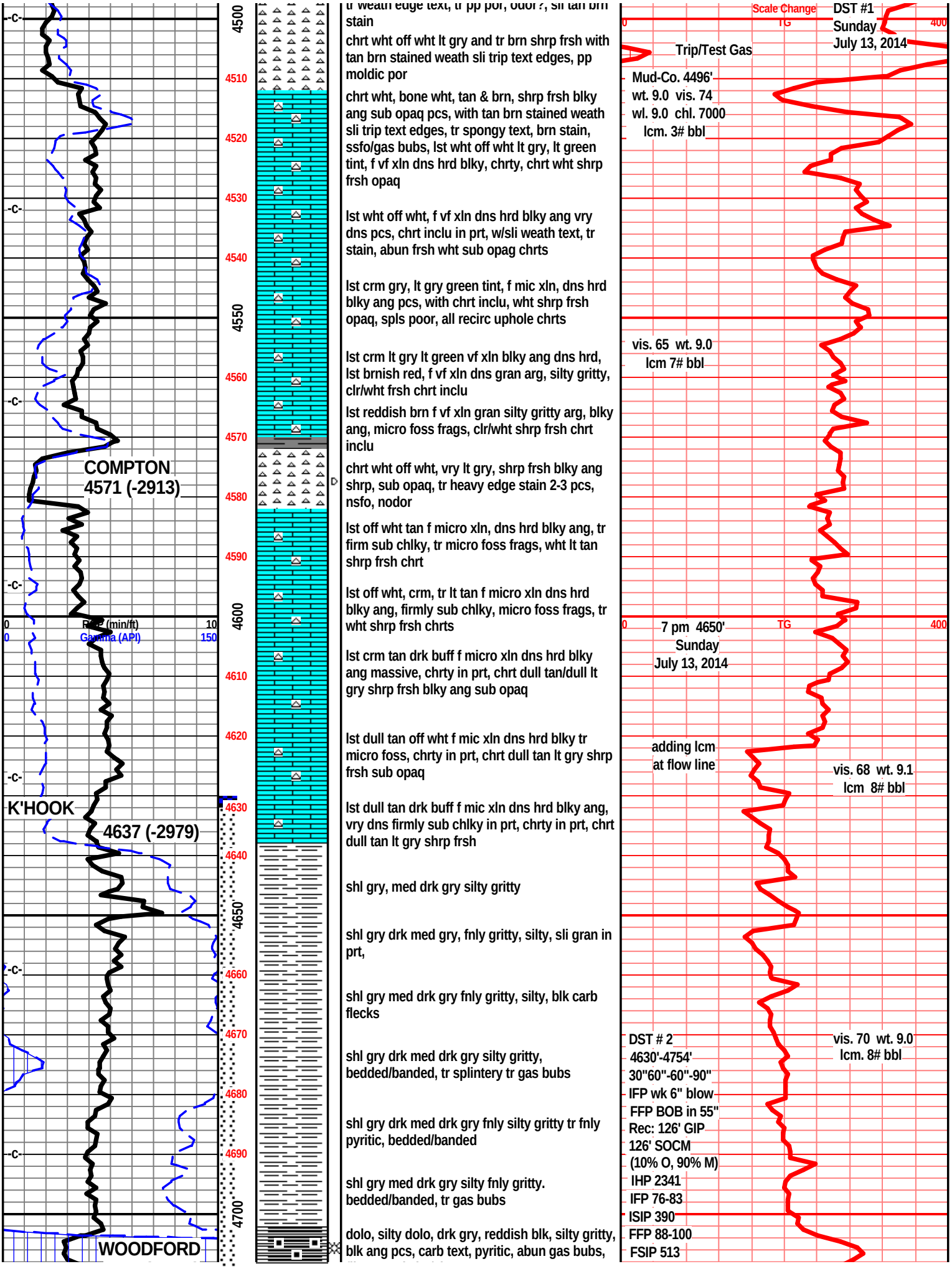


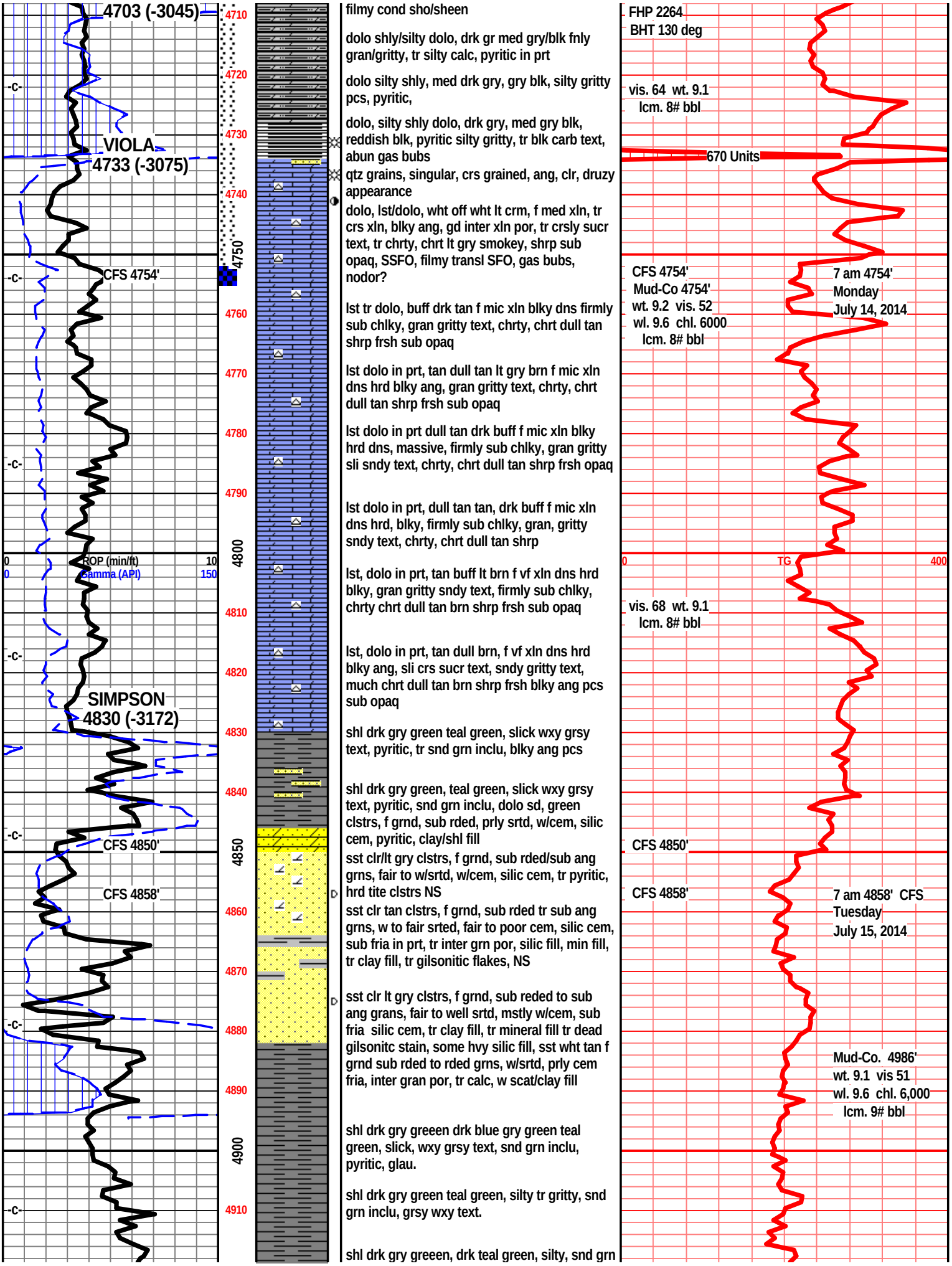

-c-
BROWN LIME
3886 (-2228)
LANSING
3899 (-2241)
3870
3880
3890
3900
3910
3920
3930
3940
3950
3960
3970
3980
3990
4000
4010
4020
4030
4040
4050
4060
4070
0
ROP (min/ft)
10
0
Gamma (API)
150

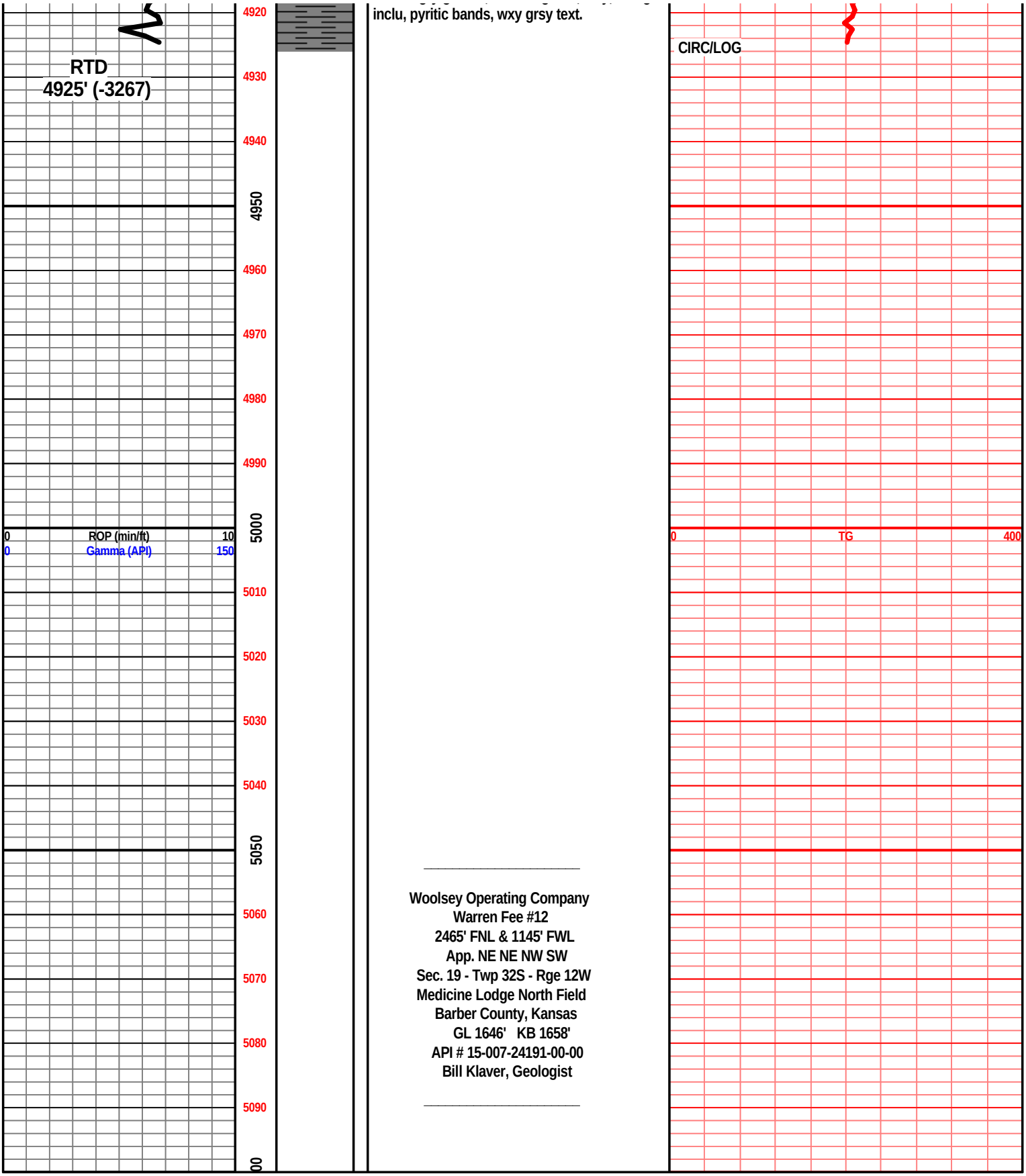

Scale Change
0
TG
100
Mud Co. 3997'
wl. 9.6 chl. 5,000
wt. 9.1 vis. 68
7 am 3898'
Rig Repairs
Pump Down
Thursday
7 am 7/10/2014
Friday
7 am 7/11/14
Rig up rebuilt pump
0
TG
100
clean spl box
connection/survey
clean spl box


4080
4090
4100
4110
4120
4130
4140
4150
4160
4170
4180
4190
4200
4210
4120
4230
4240
4250
4260
4270
4280
-C-
IOLA
4158 (-2500)
DENNIS
4246 (-2588)
STARK
0
ROP (min/ft)
10
0
Gamma (API)
150
lst wht crm tan f sli med xln, gran, sub chlky, foss frags, foss ool, pelletal, inter xln foss mold por
lst wht off wht crm f sli med xln gran soft sub chlky foss frags, foss ool/pelletal, inter xln, foss mold por
lst wht off wht tr lt gry f xln blky ang dns hrd, sub chlky, tr foss frags, arg, shls gry drk gry brn silty calc
lst wht off wht buff f sli med xln gran blky dns sub chlky, foss frags, ool, pelletal, inter xln por, foss mold por
lst tan buff off wht f xln gran blky ang bec hrd dns sub chlky, tr micro foss frags, inter xln por,
lst off wht buff wht f xln gran blky ang sub chlkky foss frags, foss ool, pelletal, inter xln por, foss mold por,
lst off wht crm buff f xln foss frags, tr micro foss, sub chlky in prt, oomold, foss mold por, tr calc xln fill
lst crm buff lt gry in prt f xln blky foss soft sub chlky, foss frags, ool/pelletal, calc xln fill, foss mold, tr oomold por
lst crm buff tr lt gry f xln blky ang dns some hrd, with tan buff f sli med xln gran blky sub chlky, calc xln fill , foss mold, inter xln por
lst crm buff tan tr lt gry f sli med xln gran sub chlky foss frags, foss mold por, lst gry tan f xln blky dns hrd ang foss frags
lst crm buff tan f xln gran sub chlky foss frags, foss ool, calc xln fill, inter xln & foss mold por, mstly gry tan dns blky ang
lst crm buff tan lt gry f xln blky ang dns hrd blky ang, foss frags, calc xln fill, chrt lt gry shrp frsh opaq
lst crm buff tan f xln blky ang dns hrd, foss frags, foss ool, tr oomold por, calc xln fill,
lst crm buff tan f xln blky ang dns sub chlky foss frags, foss ool, tr chrt off wht lt gry shrp frsh opaq
lst crm buff tan lt brn, f xln blky ang sub chlky, mstly dns hrd, calc xln fill, foss frags ool, pelletal
lst gry tan tr gry brn buff f xln blky ang dns hrd, arg, chlky gran text, foss frags, foss ool, tr arg,
lst tan crm buff lt brn f xln blky ang gran sub chlky foss frags, foss ool, foss mold por, inter xln por, calc xln fill
lst crm buff tan tr lt brn f xln gran blky ang sub chlky foss frags, calc xln fill, foss ool/pelletal
vis. 56 wt. 9.0
clean spl box
vis. 55 wt. 8.9
0
TG
100
vis. 64 wt. 9.0
vis. 58 wt. 9.1


4286 (-2628)
SWOPE
4292 (-2634)
HUSH
4324 (-2666)
HERTHA
4333 (-2675)
B/KANSAS CITY
4384 (-2726)
MISSISSIPPI
4443 (-2785)
CFS 4465'
CFS 4486'
CFS 4496'
-C-
ROP (min/ft)
Gamma (API)
0
10
150
4290
4300
4310
4320
4330
4340
4350
4360
4370
4380
4390
4400
4410
4420
4430
4440
4450
4460
4470
4480
4490
shl drk gry, mstly blk, blky ang splinters, wxy grsy text, abun gas bubs, lst aa in this sample
lst crm tan buff, tr lt brn f xln blky ang dns hrd, foss frags, tr sub chlky, gran, foss ool, calc xln fill, chrt tan lt brn shrp frsh opaq, inter xln por, foss mold por
lst crm tan lt brn buff f xln gran sub chlky blky dns calc xln fill, foss frags ool, chrt tan lt gry shrp
shl drk gry blk, blk carb, wxy grsy text, blky ang pcs, abun gas bubs, flood 4350' sample
lst buff lt gry tan f vf xln dns hrd blky ang, sub chlky, micro foss frags, tr arg, silty, chrt gry tan shrp frsh opaq foss
lst tan lt gry buff off wht, f tr vf xln dns hrd blky ang tr sub chlky, micro foss frags, calc xln fill, chrt gry tan shrp frsh opaq, shl gry dull gry calc
lst dull tan buff to lt gry f vf xln dns hrd blky ang, hrd, tr sub chlky, micro foss frags, much calc xln fill, chrt lt gry, gry/blk shrp frsh opaq
lst buff crm tan lt gry f vf xln gran blky ang dns hrd, calc xln fill, tr sub chlky, micro foss frags, chrt lt gry shrp frsh
lst tan gry gry/brn f xln gran arg silty gritty, shl gry green brn silty platey calc in prt
lst crm buff tan lt gry, f tr vr xln gran blky ang arg, silty gritty, lst buff tan f xln gran sub chlky foss frags, micro foss frags, chrt tan gry shrp frsh foss opaq
lst tan buff lt gry f vf xln dns hrd blky ang arg, silty gritty, tr foss frags, crsly ool in prt, micro foss frags, tr chrt lt gry shrp frsh opaq
lst tan buff lt gry f vf xln gran dns hrd arg, silty in prt, shls, gry green, silty hard calc
shl gry green, gry brn silty tr ratty, gritty calc in prt, lst tan gry f mic xln dns hrd blky ang arg
chrt wht, bone wht, tan, lite smokey blue, shrp frsh blky ang sub opaq, tr weath edge w/brn blk stain, tr pp/moldic odor, tr ssfo, tr gas bubs, tr hvy blk grsy stain
chrt wht bone wht, tr tan, lt blue grey, shrp frsh blky ang sub opaq, tr pp sli moldic weath edge text, pp sli moldic por, tan brn stain, sli odor, vssfo, gas bubs
chrt wht, bone wht, tr tan, some drkr tan, tr lt blue smokey, mstly shrp frsh blky ang opaq with better tan brn stained weath pp/moldic text edges, some spongy trip text, f/gd pp moldic por, frac por?, tr hvy blk stain, odor, ssfo, gas bubs
chrt wht off wht, lt tan/yellow tint, tr lt gry smokey blue, shrp frsh blky ang pcs, sub opaq,
Survey 1/2 deg.
4338' 7 am Saturday July 12, 2014
vis. 56 wt. 9.1
Scale Change
0
TG
200
Note scale change
0
TG
200
Short Trip 4406'
Yank 10 Stands
DST #1
4448'-4496'
30"-60"-60"-120"
Rec: 3875' GIP
376' HO&GCM
120' G&OCM
62' GCM
IHP 2180
IFP 91-127
ISIP 1351
FFP 102-239
FSIP 1313
FHP 2153
IFP
30" 57.7 MCF
FFP
10" 46.6 MCF
20" 54.5 MCF
30" 64.0 MCF
40" 70.4 MCF
50" 73.6 MCF
60" 76.7 MCF
BHT 128
CFS 4465'
CFS 4486'
CFS 4496'
7 am 4496'


COMPTON
4571 (-2913)
K'HOOK
4637 (-2979)
WOODFORD
ROP (min/ft)
Gamma (API)
tr weath edge text, tr pp por, odor?, sli tan brn stain
chrt wht off wht lt gry and tr brn shrp frsh with tan brn stained weath sli trip text edges, pp moldic por
chrt wht, bone wht, tan & brn, shrp frsh blky ang sub opaq pcs, with tan brn stained weath sli trip text edges, tr spongy text, brn stain, ssfo/gas bubs, lst wht off wht lt gry, lt green tint, f vf xln dns hrd blky, chrty, chrt wht shrp frsh opaq
lst wht off wht, f vf xln dns hrd blky ang vry dns pcs, chrt inclu in prt, w/sli weath text, tr stain, abun frsh wht sub opag chrts
lst crm gry, lt gry green tint, f mic xln, dns hrd blky ang pcs, with chrt inclu, wht shrp frsh opaq, spls poor, all recirc uphole chrts
lst crm lt gry lt green vf xln blky ang dns hrd, lst brnish red, f vf xln dns gran arg, silty gritty, clr/wht frsh chrt inclu
lst reddish brn f vf xln gran silty gritty arg, blky ang, micro foss frags, clr/wht shrp frsh chrt inclu
chrt wht off wht, vry lt gry, shrp frsh blky ang shrp, sub opaq, tr heavy edge stain 2-3 pcs, nsfo, nodor
lst off wht tan f micro xln, dns hrd blky ang, tr firm sub chlky, tr micro foss frags, wht lt tan shrp frsh chrt
lst off wht, crm, tr lt tan f micro xln dns hrd blky ang, firmly sub chlky, micro foss frags, tr wht shrp frsh chrts
lst crm tan drk buff f micro xln dns hrd blky ang massive, chrty in prt, chrt dull tan/dull lt gry shrp frsh blky ang sub opaq
lst dull tan off wht f mic xln dns hrd blky tr micro foss, chrty in prt, chrt dull tan lt gry shrp frsh sub opaq
lst dull tan drk buff f mic xln dns hrd blky ang, vry dns firmly sub chlky in prt, chrty in prt, chrt dull tan lt gry shrp frsh
shl gry, med drk gry silty gritty
shl gry drk med gry, fnly gritty, silty, sli gran in prt,
shl gry med drk gry fnly gritty, silty, blk carb flecks
shl gry drk med drk gry silty gritty, bedded/banded, tr splintery tr gas bubs
shl gry drk med drk gry fnly silty gritty tr fnly pyritic, bedded/banded
shl gry med drk gry silty fnly gritty. bedded/banded, tr gas bubs
dolo, silty dolo, drk gry, reddish blk, silty gritty, blk ang pcs, carb text, pyritic, abun gas bubs,
Scale Change
TG
DST #1
Sunday
July 13, 2014
Trip/Test Gas
Mud-Co. 4496'
wt. 9.0 vis. 74
wl. 9.0 chl. 7000
lcm. 3# bbl
vis. 65 wt. 9.0
lcm 7# bbl
7 pm 4650'
Sunday
July 13, 2014
adding lcm
at flow line
vis. 68 wt. 9.1
lcm 8# bbl
DST # 2
4630'-4754'
30"60"-60"-90"
IFP wk 6" blow
FFP BOB in 55"
Rec: 126' GIP
126' SOCM
(10% O, 90% M)
IHP 2341
IFP 76-83
ISIP 390
FFP 88-100
FSIP 513
vis. 70 wt. 9.0
lcm. 8# bbl


4703 (-3045)
VIOLA
4733 (-3075)
CFS 4754'
ROP (min/ft)
Gamma (API)
SIMPSON
4830 (-3172)
CFS 4850'
CFS 4858'
filmy cond sho/sheen
dolo shly/silty dolo, drk gr med gry/blk fnly gran/gritty, tr silty calc, pyritic in prt
dolo silty shly, med drk gry, gry blk, silty gritty pcs, pyritic,
dolo, silty shly dolo, drk gry, med gry blk, reddish blk, pyritic silty gritty, tr blk carb text, abun gas bubs
qtz grains, singular, crs grained, ang, clr, druzy appearance
dolo, lst/dolo, wht off wht lt crm, f med xln, tr crs xln, blky ang, gd inter xln por, tr crsly sucr text, tr chrty, chrt lt gry smokey, shrp sub opaq, SSFO, filmy transl SFO, gas bubs, nodor?
lst tr dolo, buff drk tan f mic xln blky dns firmly sub chlky, gran gritty text, chrty, chrt dull tan shrp frsh sub opaq
lst dolo in prt, tan dull tan lt gry brn f mic xln dns hrd blky ang, gran gritty text, chrty, chrt dull tan shrp frsh sub opaq
lst dolo in prt dull tan drk buff f mic xln blky hrd dns, massive, firmly sub chlky, gran gritty sli sndy text, chrty, chrt dull tan shrp frsh opaq
lst dolo in prt, dull tan tan, drk buff f mic xln dns hrd, blky, firmly sub chlky, gran, gritty sndy text, chrty, chrt dull tan shrp
lst, dolo in prt, tan buff lt brn f vf xln dns hrd blky, gran gritty sndy text, firmly sub chlky, chrty chrt dull tan brn shrp frsh sub opaq
lst, dolo in prt, tan dull brn, f vf xln dns hrd blky ang, sli crs sucr text, sndy gritty text, much chrt dull tan brn shrp frsh blky ang pcs sub opaq
shl drk gry green teal green, slick wxy grsy text, pyritic, tr snd grn inclu, blky ang pcs
shl drk gry green, teal green, slick wxy grsy text, pyritic, snd grn inclu, dolo sd, green clstrs, f grnd, sub rded, prly srtd, w/cem, silic cem, pyritic, clay/shl fill
sst clr/lt gry clstrs, f grnd, sub rded/sub ang grns, fair to w/srtd, w/cem, silic cem, tr pyritic, hrd tite clstrs NS
sst clr tan clstrs, f grnd, sub rded tr sub ang grns, w to fair srted, fair to poor cem, silic cem, sub fria in prt, tr inter grn por, silic fill, min fill, tr clay fill, tr gilsonitic flakes, NS
sst clr lt gry clstrs, f grnd, sub reded to sub ang grans, fair to well srtd, mstly w/cem, sub fria silic cem, tr clay fill, tr mineral fill tr dead gilsonitc stain, some hvy silic fill, sst wht tan f grnd sub rded to rded grns, w/srtd, prly cem fria, inter gran por, tr calc, w scat/clay fill
shl drk gry greeen drk blue gry green teal green, slick, wxy grsy text, snd grn inclu, pyritic, glau.
shl drk gry green teal green, silty tr gritty, snd grn inclu, grsy wxy text.
shl drk gry greeen, drk teal green, silty, snd grn
FHP 2264
BHT 130 deg
vis. 64 wt. 9.1
lcm. 8# bbl
670 Units
CFS 4754'
Mud-Co 4754'
wt. 9.2 vis. 52
wl. 9.6 chl. 6000
lcm. 8# bbl
7 am 4754'
Monday
July 14, 2014
TG
vis. 68 wt. 9.1
lcm. 8# bbl
CFS 4850'
CFS 4858'
7 am 4858' CFS
Tuesday
July 15, 2014
Mud-Co. 4986'
wt. 9.1 vis 51
wl. 9.6 chl. 6,000
lcm. 9# bbl


RTD
4925' (-3267)
4920
4930
4940
4950
4960
4970
4980
4990
5000
5010
5020
5030
5040
5050
5060
5070
5080
5090
00
0
ROP (min/ft)
10
0
Gamma (API)
150
inclu, pyritic bands, wxy grsy text.
CIRC/LOG
0
TG
400
Woolsey Operating Company
Warren Fee #12
2465' FNL & 1145' FWL
App. NE NE NW SW
Sec. 19 - Twp 32S - Rge 12W
Medicine Lodge North Field
Barber County, Kansas
GL 1646' KB 1658'
API # 15-007-24191-00-00
Bill Klaver, Geologist

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

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

November 03, 2014

DEAN PATTISSON
Woolsey Operating Company, LLC
125 N MARKET STE 1000
WICHITA, KS 67202-1729

Re: ACO-1
API 15-007-24191-00-00
WARREN FEE 12
SW/4 Sec.19-32S-12W
Barber County, Kansas

Dear DEAN PATTISSON:

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 07/05/2014 and the ACO-1 was received on November 03, 2014 (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