



KANSAS CORPORATION COMMISSION 1161973
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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

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

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:70%; border: none;">Name</td> <td style="width:15%; border: none;">Top</td> <td style="width:15%; border: none;">Datum</td> </tr> </table>	Name	Top	Datum
Name	Top	Datum		

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method:
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____

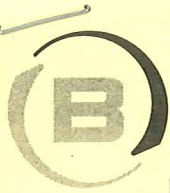
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	TUCKER GU A 6
Doc ID	1161973

Tops

Name	Top	Datum
CHASE	1767	-299
ONAGA	2582	-1114
HEEBNER	3582	-2114
DOUGLAS	3615	-2147
SWOPE LS	4284	-2816
MISSISSPPIAN	4576	-3108
VIOLA	4902	-3434
SIMPSON	4984	-3516



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 07738 A

DATE _____ TICKET NO. _____

DATE OF JOB: 5-29-13		DISTRICT: Pratt		NEW WELL <input checked="" type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Woolsey Operating				LEASE: Tucker GU A				WELL NO. 6							
ADDRESS:				COUNTY: Barber				STATE: KS							
CITY:				STATE:				SERVICE CREW: Ed Jesse Joe							
AUTHORIZED BY:				JOB TYPE: CNW 10 3/4 SF											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
20920-33708	25 min						5-28-13			7:00					
19960-21010	25 min						5-28-13			11:00					
28443							5-29-13			2:50					
							5-29-13			3:15					
							5-29-13			4:15					
						MILES FROM STATION TO WELL				45					

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Donald Boyd
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 POZ	SK	200		2,400.00
CC 102	celloflake	lb	50		185.00
CC 109	Calcium Chloride	lb	516		541.80
E 100	Pickup Mileage	mi	45		191.25
E 101	Heavy Mileage	mi	90		630.00
E 113	Bulk Delivery	Tm	387		619.20
CE 200	Depth Charge 0-500'	4hrs	1		1,000.00
CE 240	Mixing Charge	SK	200		280.00
S 003	Supervisor	eq	1		175.00
WELL FILE					
Regulatory Correspondence Drig / Comp Workovers Tests / Meters Operations					
JUN 27 2013					

CHEMICAL / ACID DATA:			

SUB TOTAL		3,914	46
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE: <u>John M</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Donald Boyd</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Oper. Co. LLC.

28-33s.-10w. Barber Co. KS

125 N. Market Ste. 1000
Wichita, KS 67202-1729

Tucker GUA 6

Job Ticket: 50498

DST#: 1

ATTN: Scott Alberg

Test Start: 2013.06.03 @ 16:37:02

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:12:47

Time Test Ended: 02:26:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 48

Interval: 4468.00 ft (KB) To 4580.00 ft (KB) (TVD)

Reference Elevations: 1468.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

1456.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8790

Inside

Press @ Run Depth: 126.52 psig @ 4469.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.03

End Date:

2013.06.04

Last Calib.:

2013.06.04

Start Time:

16:37:07

End Time:

02:26:32

Time On Btm:

2013.06.03 @ 19:11:32

Time Off Btm:

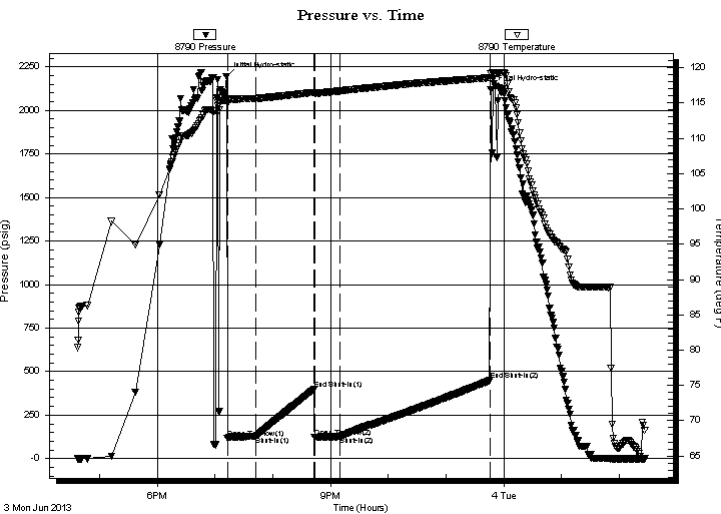
2013.06.03 @ 23:46:32

TEST COMMENT: IF: Weak blow . 1/2" - 2"

IS: No blow

FF: Weak surf. blow . Dead @ 25min.

FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.17	115.42	Initial Hydro-static
2	117.81	114.95	Open To Flow (1)
31	126.32	115.64	Shut-In(1)
92	396.74	116.50	End Shut-In(1)
92	121.54	116.38	Open To Flow (2)
118	126.52	116.70	Shut-In(2)
275	449.43	118.59	End Shut-In(2)
275	2119.63	119.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	Drig mud 100%mud	2.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Oper. Co. LLC.

28-33s.-10w. Barber Co. KS

125 N. Market Ste. 1000
Wichita, KS 67202-1729

Tucker GUA 6

Job Ticket: 50498

DST#: 1

ATTN: Scott Alberg

Test Start: 2013.06.03 @ 16:37:02

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:

3000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
225.00	Drig mud 100%mud	2.027

Total Length: 225.00 ft Total Volume: 2.027 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

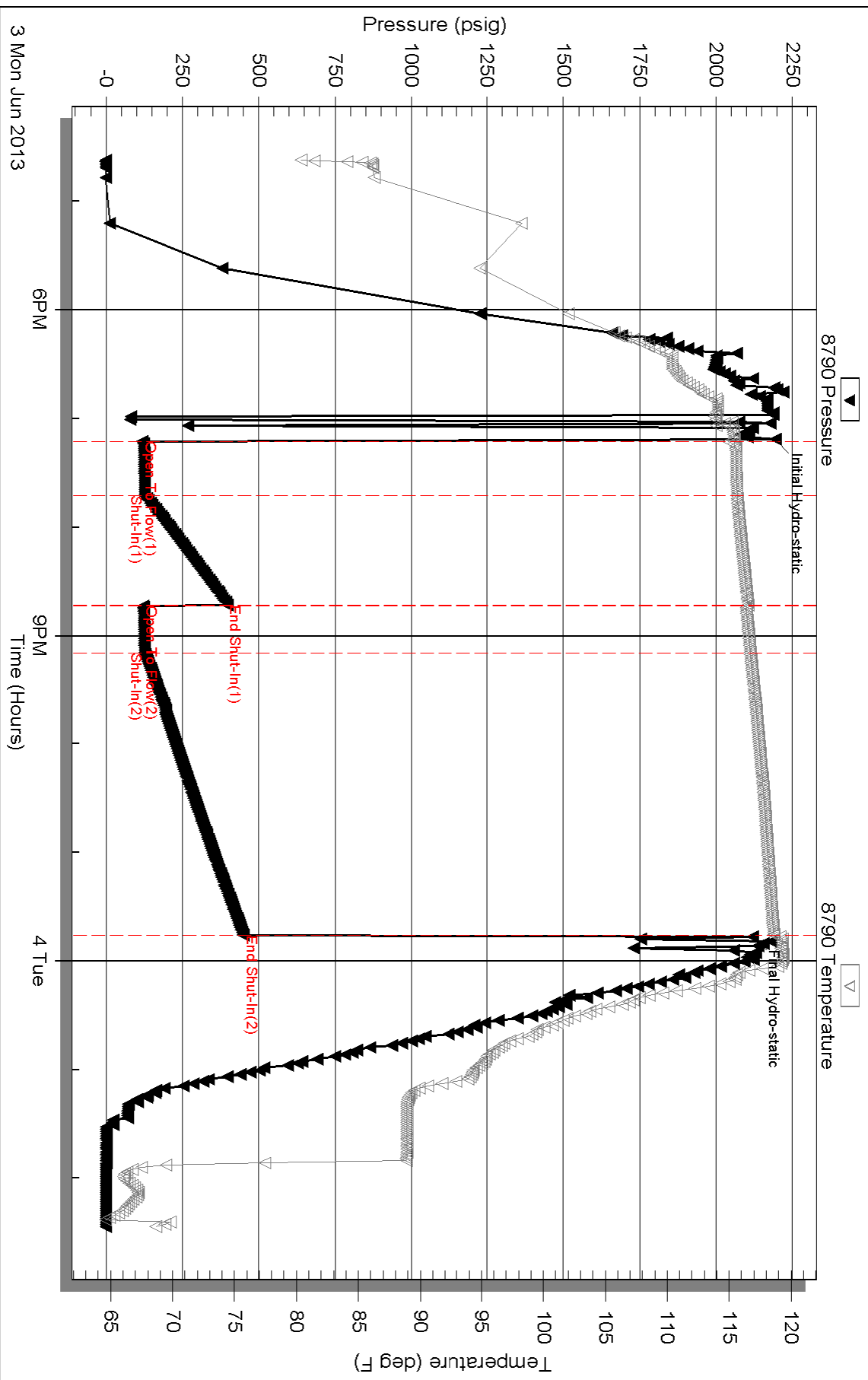
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: TUCKER GU A-6
Location: APPROX NW NE NW
License Number: API: 15-007-24027-00-00
Spud Date: May 28, 2013
Surface Coordinates: Section 28-T33S-R10W, 330' FNL, 1690' FWL
Traffas
Bottom Hole Vertical Hole
Coordinates:
Ground Elevation (ft): 1456 K.B. Elevation (ft): 1468
Logged Interval (ft): 4000 To: RTD Total Depth (ft): 5092
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3382'.
Region: Barber County, Kansas
Drilling Completed: June 6, 2013

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

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

GEOLOGIST

Name: W. Scott Alberg
Company: Alberg Petroleum, LLC
Address: 609 Meadowlark Lane
Pratt, Kansas 67124

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
STARK SHALE	4276(-2808)	4270(-2802)
HUSHPUCKNEY SHALE	4309(-2841)	4302(-2834)
B/KC	4363(-2895)	4359(-2891)
PAWNEE	4450(-2982)	4446(-2978)
MISSISSIPPIAN	4544(-3076)	4545(-3075)
KINDERHOOK SHALE	4792(-3324)	4797(-3329)
WOODFORD SHALE	4862(-3394)	4858(-3390)
VIOLA	4902(-3434)	4902(-3434)
SIMPSON SHALE	4985(-3517)	4985(-3517)
SIMPSON SAND	5003(-3535)	5001(-3533)
MCLISH SHALE	5062(-3594)	5059(-3591)
RTD	5092(-3624)	
LTD		5088(-3620)

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 217' with 200 sxs Class A, 2% gel, 3% cc, 1/4# Celoflake, plug down at 3:15 am on May 29, 2013. Cement did Circulate.

Production Casing: None

Deviation Surveys: 1 - 217', 3/4 - 715', 3/4 - 1222'. 1/2 - 1734', 1/2 - 2243', 1/2 - 2783, 1/2 - 3257', 3/4 - 3732', 3/4 - 4236', 1 1/4 - 4580', 3 - 5092'.

Contractor Bit Record:

1- 14 3/4" out at 217'.

2- 7 7/8" out at 4580'.

3- 7 7/8" out at 5092'.

Pipe Strap at

Board 4580.00

Strap 4583.94

Long 3.94'

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Terry Ison, Engineers

DSTs: Trilobite Testing, Ryan Reynolds

Logged by Nabors Completion and Production Services

LTD - 5088'.

DSTs

DST #1 4468-4580 Mississippi

Times 30-60-60-120

1st Opening - weak 2 inch blow, no blow back

2nd Opening- weak surface blow, died 25 minutes, no blow back.

Recovery: 225' Drilling Mud.

IFP 118-126# FFP 122-127#

ISIP 397# FSIP 449#

IHP 2194# FHP 2120#

Temp 119

Note: Tool slid 30' to bottom.

CREWS

Fossil Drilling, Inc Rig #3

Tool Pusher - Jim Wenrich

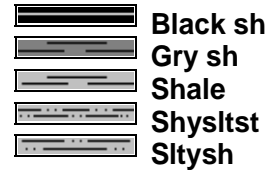
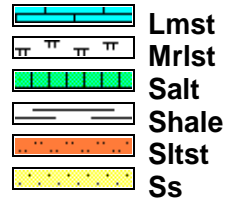
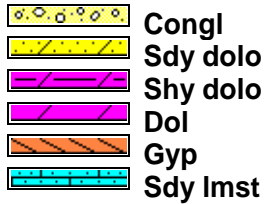
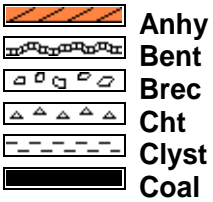
Drillers - Days - Daniel Orranta

Evening - Ed Raney

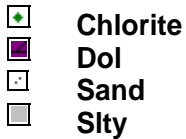
Morning - Andres Maestas

Relief - Allen Collins

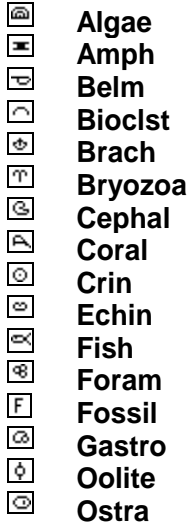
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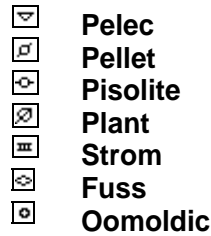
MINERAL



FOSSIL



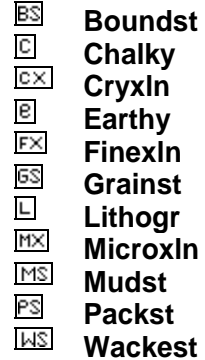
ACCESSORIES

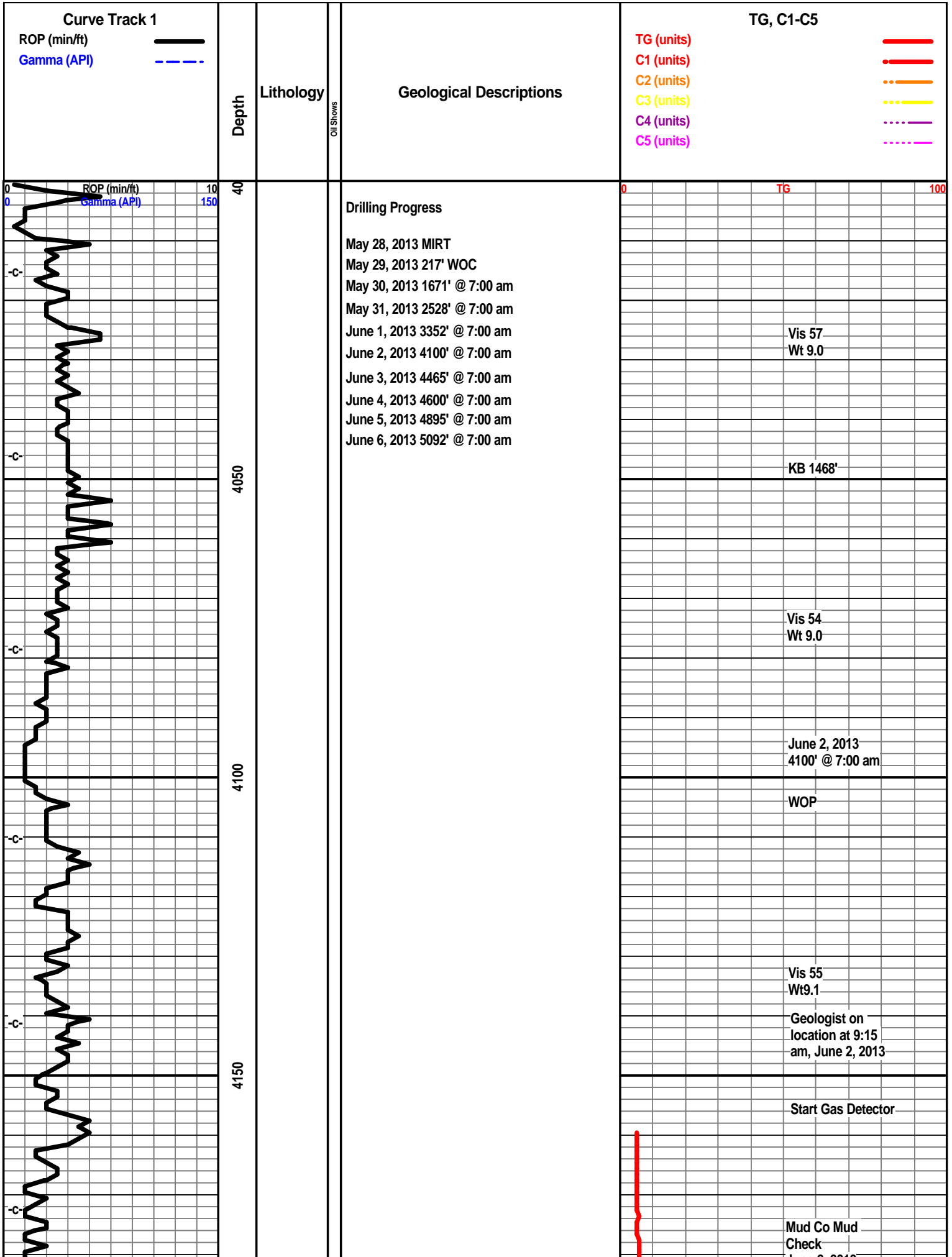


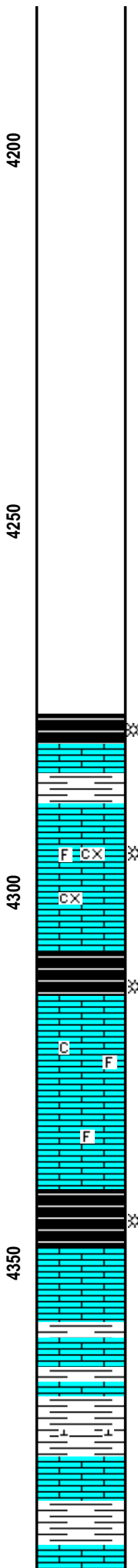
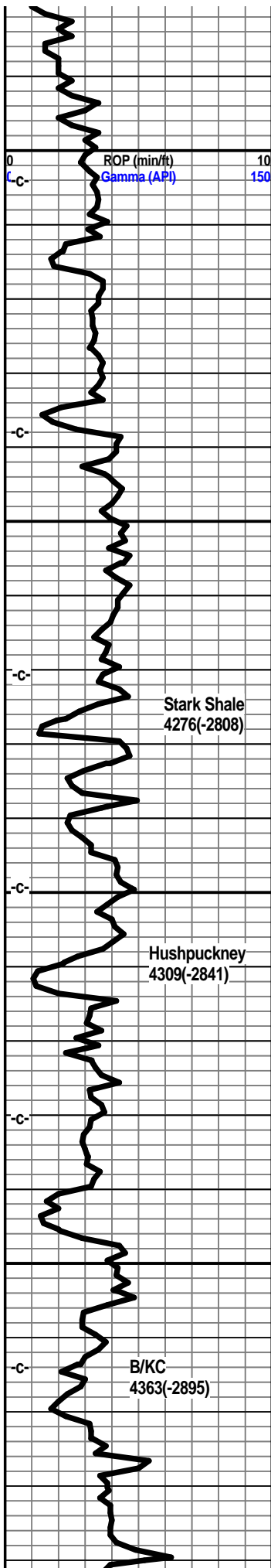
STRINGER



TEXTURE







Shale, grey-black.

Limestone, tan, tan-white, crystalline, trace crystalline porosity, trace fossils, very faint odor, slight possible gas indication, no visible shows of oil or gas, no fluorescence.

Shale, grey-black, trace gas bubbles.

Limestone, creamy, tan, white, crystalline, trace fossils, dense, subchalky, no visible shows.

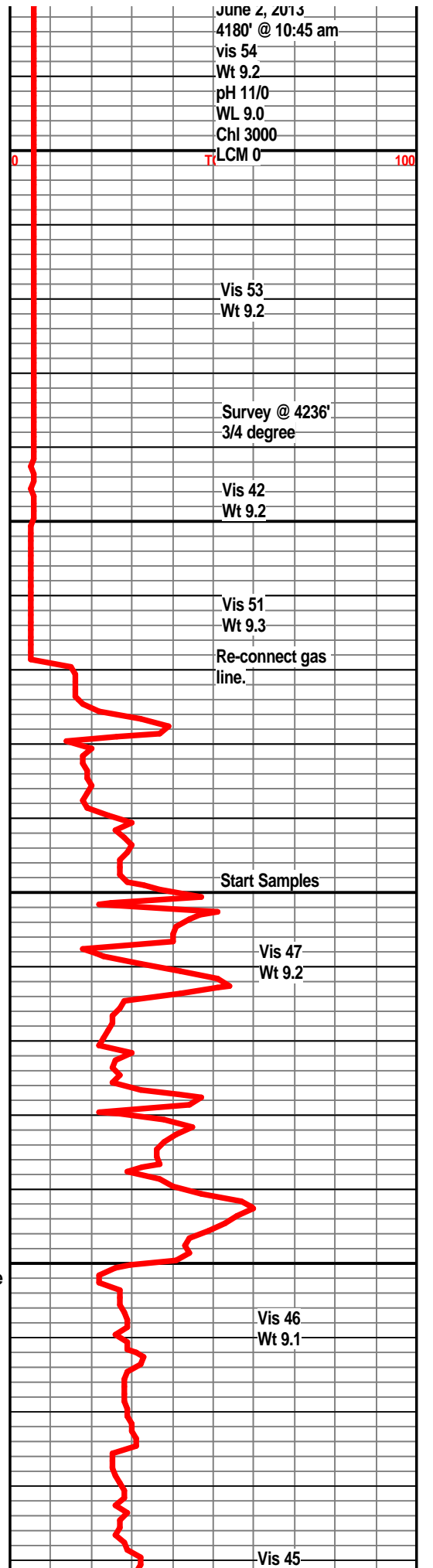
Shale, grey-black.

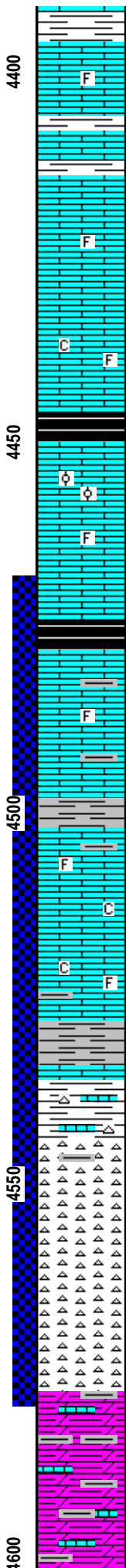
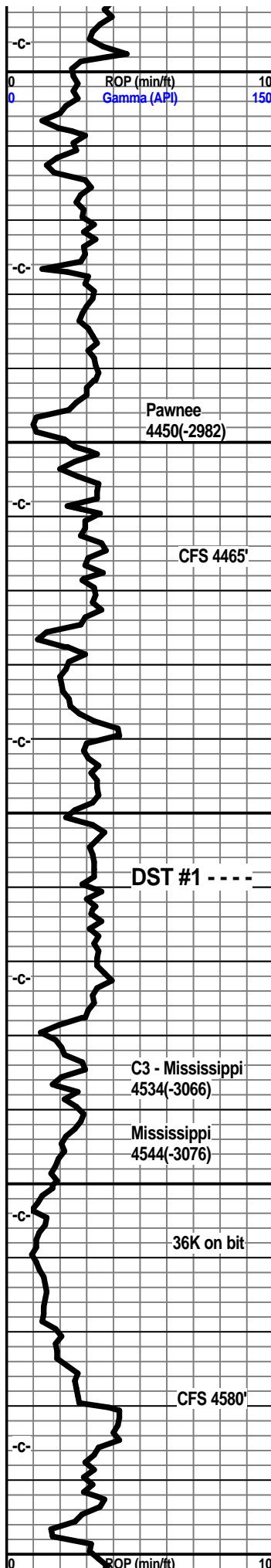
Limestone, tan, brown, crystalline, dense, trace fossils, trace tan chert, no visible shows.

Shale, grey, light grey-green, some pale green. calcitic.

Limestone, cream, pale green, crystalline, dense.

Shale, light grey, pale green.





Limestone, cream, tan, crystalline, trace fossils, dense.

Shale, light grey.

Limestone, tan, buff, crystalline, dense, trace fossils, no visible shows.

Limestone, tan, buff-white, crystalline, trace fossils, subchalky in part, no visible shows.

Shale, grey-black, trace gas bubbles.

Limestone, tan, cream-white, buff, crystalline, partly dense, traces micro oolite, trace fossils, trace crystalline porosity, very faint odor, spotty dull fluor, gas indication, no visible shows of free oil or gas.

Shale, grey-black.

Limestone, tan, grey-white, crystalline, dense, trace of fossils, shaley in part.

Shale, dark grey, grey.

Limestone, cream, tan, crystalline, shaley in part, subchalky, trace fossils.

Limestone, tan, grey-white, dense, crystalline, trace fossils.

Shale, grey

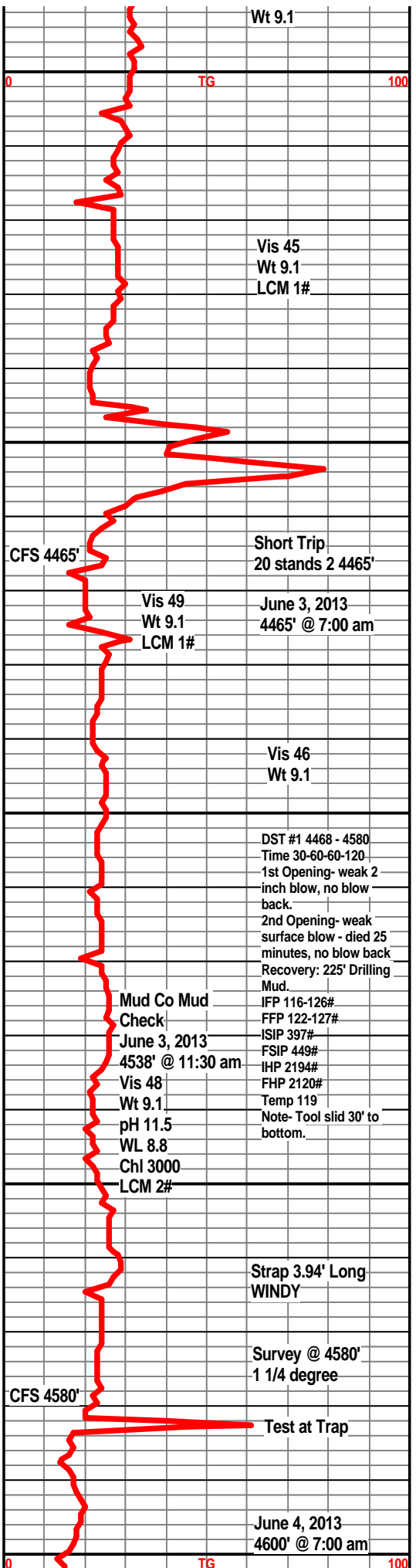
Limestone, tan, dense, trace fossils.

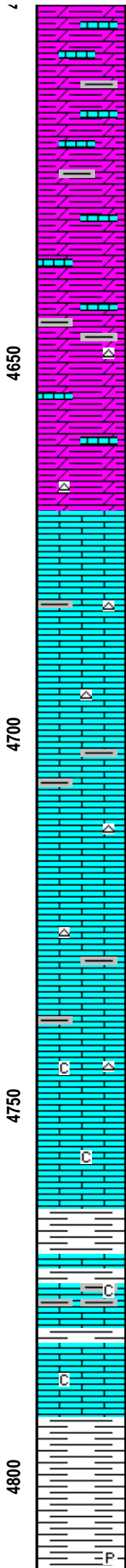
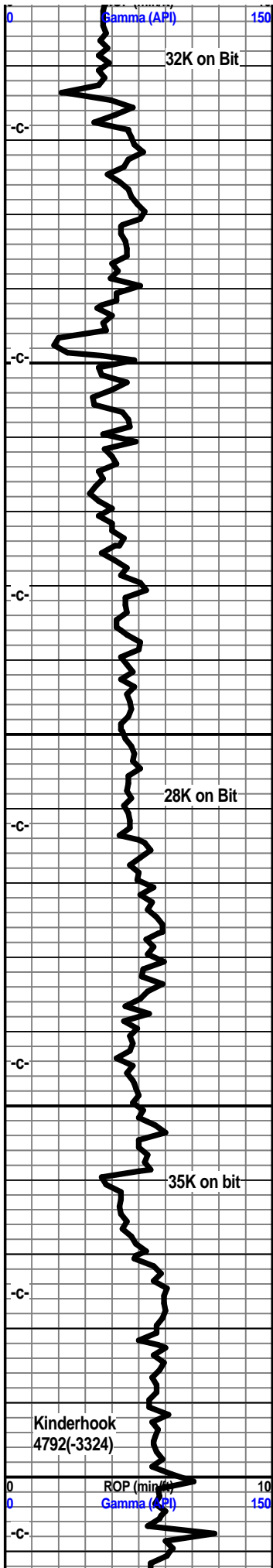
Shale, grey-green, some vari-colored shales, yellow, maroon, salmon, few pieces green chert, trace ls fragments.

Chert, white to off-white, fresh, sharp, trace weathered, very poor to no visible porosity on weathered pieces, questionable scattered light stain, no odor, no visible shows of oil or gas, trace dull spotty fluor.. shaley in part.

Chert, white to off-white, some pale green, sharp, fresh, trace weathered, poor porosity, no odor, no visible shows oil or gas, very small gas indication, trace dolomite in 60 sample, shaley in part.

Dolo, tan, cream, granular, abundant ls fragments, shale, vari-colored, yellow, grey-green, ect, traces of fresh chert, sharp, no visible shows, no odor.





Dolo, tan, cream, dense, granular, chalky tan-white limestone, shales, vari-colored.

Dolo, tan, cream-white, crystalline, dense, abundant limestone, chalky, vari-colored shales.

Dolo, tan, crystalline, abundant limestone, tan, cream, subchalky, crystalline, trace white chert, no visible shows.

Dolo, tan, dense, abundant tan, cream limestone, crystalline, subchalky, grey-green splintery shales.

Dolo, tan, granular, abundant cream tan limestone, subchalky, dense, grey-green shales, trace bone white sharp cherts.

Limestone, cream, tan, crystalline, dense, subchalky, trace off-white cherts, grey-green shales.

Limestone, tan, cream, pale green, crystalline, shaley in part, trace bone-white chert, grey green shales, some vari-colored.

Limestone, cream, tan, crystalline, dense, some pale green, subchalky in part.

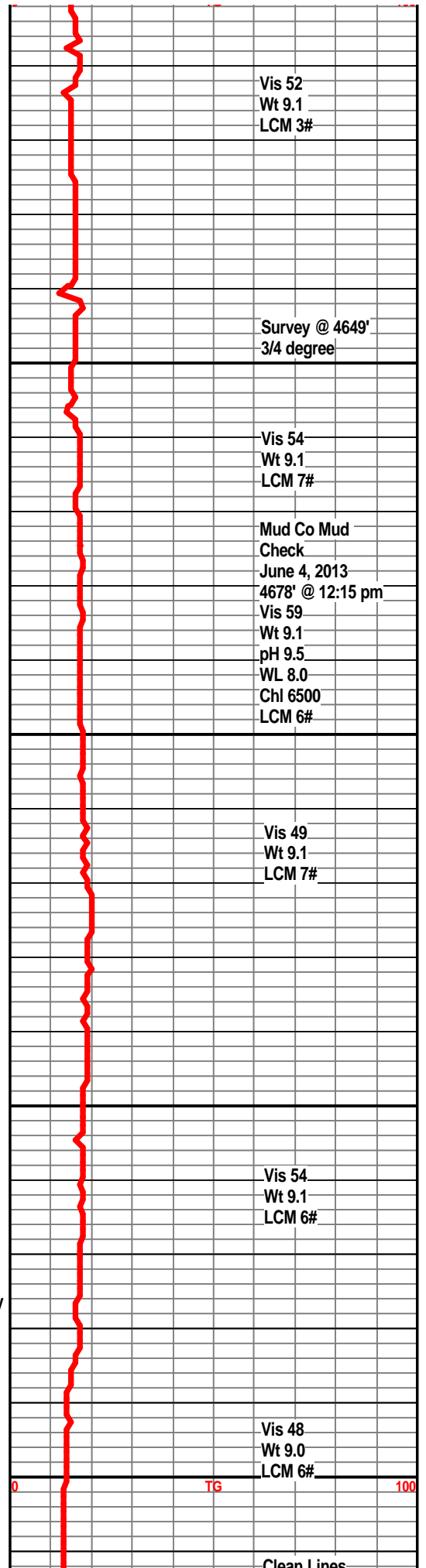
Limestone, cream, pale green, dense, crystalline, subchalky, no visible shows.

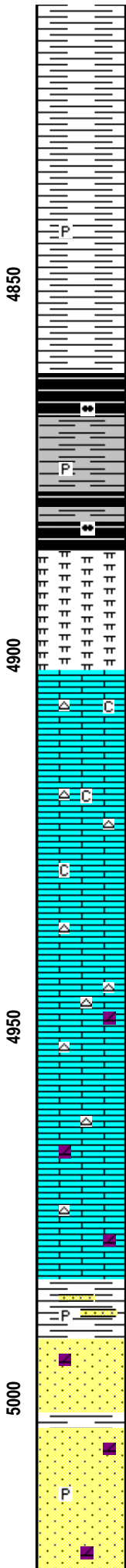
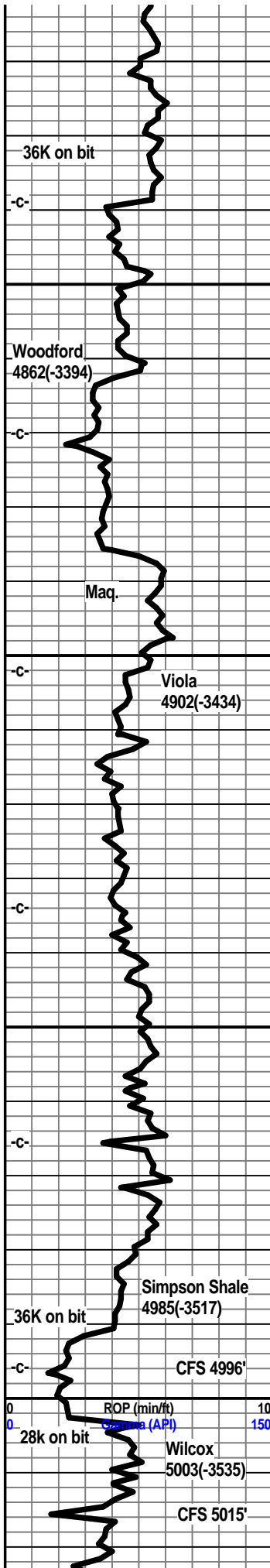
Shale, pale green-grey, calcitic.

Limestone, cream, tan crystalline dense, shaley in part.

Limestone, cream, tan, crystalline, subchalky, no visible shows.

Shale, grey, dark grey, silty, trace pyrite.





Shale, dark grey, grey, firm, blocky, traces of pyrite.

Shale, grey, dark grey, silty, firm, blocky.

Shale, grey-black, spores, trace gas bubbles.

Shale, grey-black, firm, trace pyrite.

Shale, grey-black, firm, spores, trace gas bubbles.

Dolo, grey-white, fine grained, silty, no visible shows.

Limestone, tan-white, cream-white, crystalline, dense, chalky in part, trace chert, no visible shows.

Limestone, tan, cream-white, crystalline, traces tan sharp cherts, chalky in part, no visible shows.

Limestone, tan, grey-white, crystalline, tan sharp cherts, no visible shows.

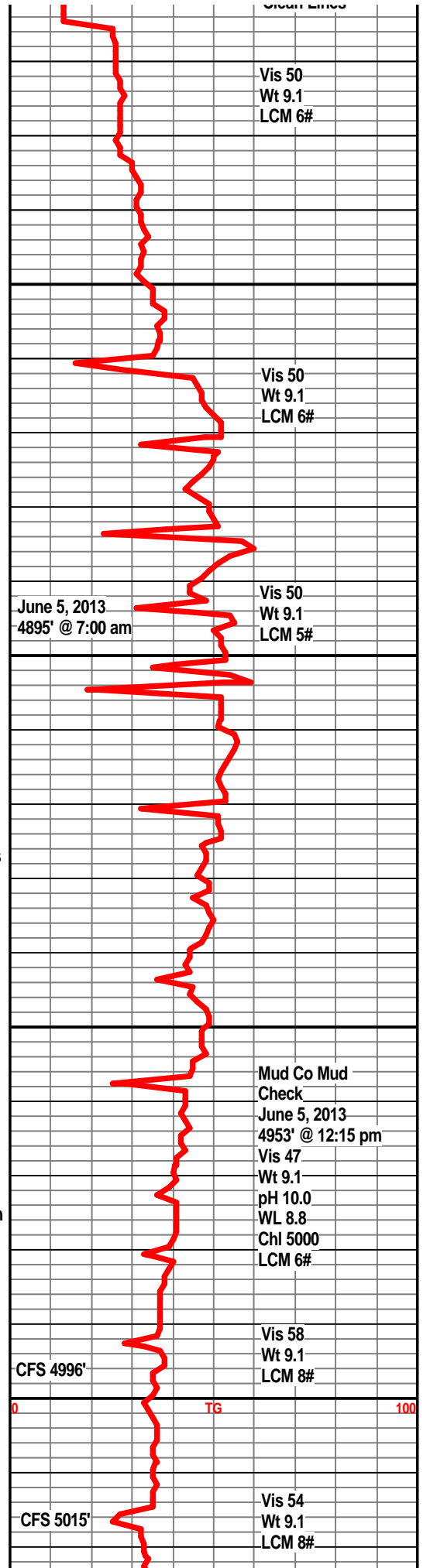
Limestone, tan, granular, dense, tan sharp cherts, dolo in part.

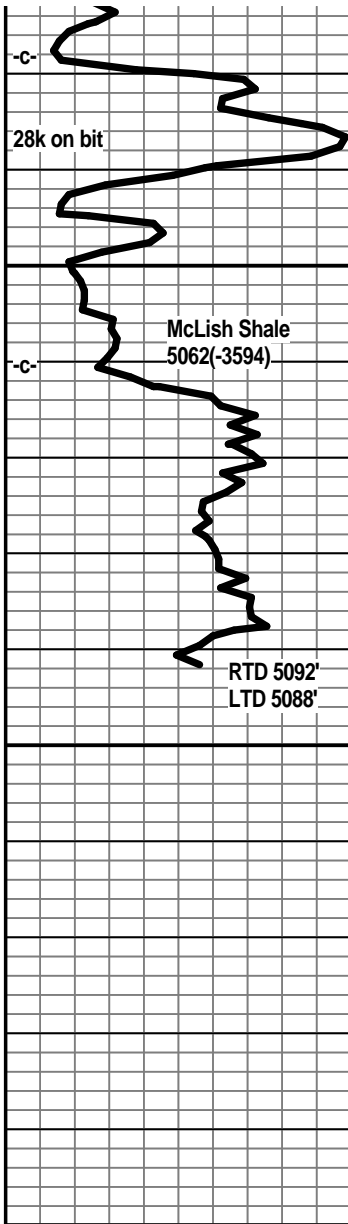
Limestone, tan, dense, granular texture, dolo in part, tan-brown sharp cherts.

Shale, dark green, teal, firm, few sand clusters, well cemented, trace pyrite.

Sandstone, grey-white, angular, poor sorting, well cemented, traces of pyrite, no visible shows.

Sandstone, clear to frosted white, well sorted, sa to sr, friable in part, dolomitic in part, few loose grains in tray, some well cemented, very faint trace scummy oil, trace spotted stain, no odor, fluorescence, no kick.





Sandstone, clear to frosted white, SA to SR, friable in part, some well cemented, dolo, galuc, traces of spotty stain, trace show of dark flakey oil, no odor, no kick, no fluorescence,

Sandstone, clear to white, sa to sr, slightly friable, dolo in part, galuc, no visible shows.

Shale, teal green, dark green, firm, traces of pyrite.

Shale, green, dark green, firm.

