



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: _____



1060575

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 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	---

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 04, 2011

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

Re: ACO1
API 15-007-23681-00-00
MICHEL B G U 2
NW/4 Sec.17-34S-11W
Barber 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,
DEAN PATTISSON

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

SERVICE POINT:

8/4/11 Debra
 316-267-4383

DATE <u>4-7-2011</u>	SEC. <u>17</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	4-6	4-7	4-7	4-7
CALLER <u>Michael</u>	LEASE <u>BGU</u>	WELL # <u>2</u>	LOCATION <u>281 1/2 Scott Cchyon Rd</u>	CALLER OUT <u>10:30 AM</u>	ON LOCATION <u>12:30 PM</u>	JOB START <u>4:00 PM</u>	JOB FINISH <u>4:30 PM</u>
OLD OR (NEW) (Circle one)	1 CESS, S&E into			1-01		MOBILE LOCATIONS	

CONTRACTOR Duke #10
 TYPE OF JOB Surface
 HOLE SIZE 14 3/4 T.D. 220'
 CASING SIZE 10 3/4 DEPTH 203'
 TUBING SIZE 8 5/8 LG DEPTH 13'
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 20'
 PERFS. _____
 DISPLACEMENT 19 bbls of fresh water
 EQUIPMENT _____

PUMP TRUCK CEMENTER Dustin F
 # 360-265 HELPER Jason T
 BULK TRUCK _____
 # 421-252 DRIVER Raymond R
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER Woolsey Operating
 CEMENT AMOUNT ORDERED 240s Class A 039sec
240s

COMMON Class A	240 @ 16.25	3900.00
POZMIX	@	
GEL	55 @ 21.25	1168.75
CHLORIDE	9.5 @ 58.20	552.90
ASC	@	
HANDLING	254 @ 2.25	571.50
MILEAGE	15/11/254	419.80
TOTAL		5520.95

REMARKS:

Pipe on bottom & break circulation
 Pump 3 bbls fresh water ahead, mix
 240s cement, Displace 19 bbls of
 fresh water, shut in, cement & is
 circulate

4530.05 SERVICE 27.94 TOTAL 5520.95

DEPTH OF JOB 216'
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE @ _____
 MILEAGE 30 @ 7.00 210.00
 MANIFOLD @ _____
 542.50 @ 0.91 @ _____
 Light Vehicle 30 @ 4.00 120.00
 TOTAL 1455.00

CHARGE TO: Woolsey Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

None @ _____
 @ _____
 @ _____
 @ _____

To Allied Cementing Co., 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 T
 SIGNATURE X MIKE TRUMP
 Thank you!!!

1395.13 TOTAL
 SALES TAX (if Any) _____
 TOTAL CHARGES 6975.62
 DISCOUNT 20 IF PAID IN 30 DAYS
5580.92

ALLIED CEMENTING CO., LLC. 040142

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medley

DATE <u>4-18-11</u>	SEC. <u>17</u>	TWP. <u>34s</u>	RANGE <u>11w</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30am</u>	JOB FINISH <u>11:00am</u>
LEASE <u>Michal BGW</u>	WELL # <u>2</u>	LOCATION <u>281/Scott Canyon Rd. 1E, Ste into</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke Rig #10
 TYPE OF JOB Production
 HOLE SIZE 2 1/4 T.D. 5180'
 CASING SIZE 4 1/2 DEPTH 5058'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1400psi MINIMUM
 MEAS. LINE SHOE JOINT 4'
 CEMENT LEFT IN CSG. 4'
 PERFS.
 DISPLACEMENT 79 bbls 2% KCL

OWNER Wadsey Operating
 CEMENT
 AMOUNT ORDERED 180sx class A + 10% salt + 10% gyp + 6# Kolsal + .8% FL-160 + 1/4# Flossal + 90sx 60:40 = 4% gel clapro 8 gal

COMMON <u>Class A</u>	<u>54sx @ 16.25</u>	<u>877.50</u>
POZMIX	<u>36sx @ 8.50</u>	<u>306.00</u>
GEL	<u>35x @ 21.25</u>	<u>63.75</u>
CHLORIDE	@	
ASC	@	
<u>class H</u>	<u>180sx @ 19.25</u>	<u>3465.00</u>
<u>Salt</u>	<u>19sx @ 23.95</u>	<u>455.05</u>
<u>Gypsal</u>	<u>17sx @ 34.20</u>	<u>581.40</u>
<u>Kolsal</u>	<u>1000# @ 1.09</u>	<u>961.20</u>
<u>FL-160</u>	<u>135# @ 17.20</u>	<u>2322.00</u>
<u>Flossal</u>	<u>45# @ 2.70</u>	<u>121.50</u>
<u>clapro</u>	<u>8gals @ 31.25</u>	<u>250.00</u>
	@	
HANDLING <u>337</u>	@ <u>2.25</u>	<u>758.25</u>
MILEAGE <u>15/337.11</u>		<u>556.01</u>
TOTAL		<u>10717.70</u>

EQUIPMENT

PUMP TRUCK CEMENTER Matt Thimesch
 # 360/265 HELPER Jason Thimesch
 BULK TRUCK
 # 354/290 DRIVER Raymond R
 BULK TRUCK DRIVER WELL FILE
 # Regulatory Correspondence
Drig Comp Workovers
Meters Operations
 REMARKS:

Brk circulation with Rig pump ball through
mix 30sx for Rothole mix 20sx for mouse hole
mix 40sx for scavenger mix 180sx cement
Shift down wash pump + lines Release plug
dep. 79 bbls 2% KCL
bump plug 70gals to 1400psi
plug held

SERVICE

DEPTH OF JOB <u>5058'</u>		
PUMP TRUCK CHARGE		<u>2695.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>30</u>	@ <u>7.00</u>	<u>210.00</u>
MANIFOLD <u>Hend rental</u>	@	<u>200.00</u>
<u>Light Vehicle</u> <u>30</u>	@ <u>4.00</u>	<u>120.00</u>
	@	
TOTAL		<u>3225.00</u>

CHARGE TO: Wadsey Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

4 1/2

<u>1-AFU guideshoe</u>	@	<u>327.00</u>
<u>1-catch down plug Assy</u>	@	<u>233.00</u>
<u>12-turbolizers</u>	@ <u>58.00</u>	<u>696.00</u>
<u>28-scratchers</u>	@ <u>74.00</u>	<u>2072.00</u>
	@	
TOTAL		<u>3328.00</u>

To Allied Cementing Co., 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 3328.00
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME MIKE THARP
 SIGNATURE M. Tharp



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co
125 N Market Ste 1000
Wichita, KS 67202
ATTN: Bill Klaver

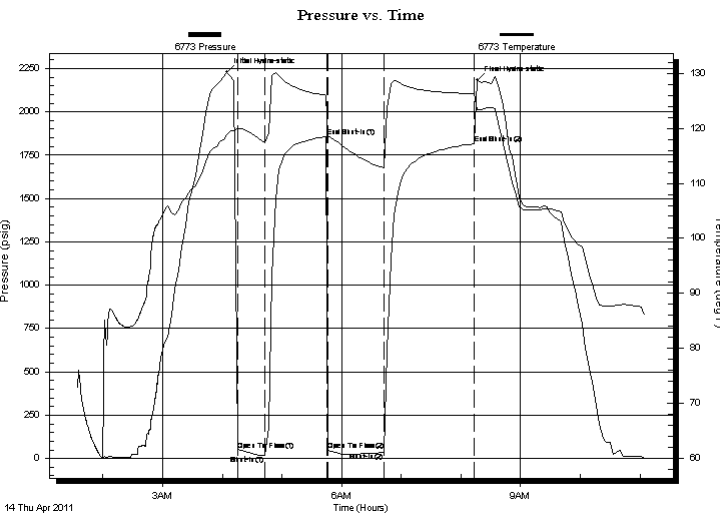
Michel BGU #2
17-34S-11W Barber
Job Ticket: 041642 **DST#: 1**
Test Start: 2011.04.14 @ 01:34:29

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:15:14
Time Test Ended: 11:06:59
Interval: **4526.00 ft (KB) To 4556.00 ft (KB) (TVD)**
Total Depth: 4556.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chris Staats
Unit No: 34
Reference Elevations: 1419.00 ft (KB)
1409.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6773 Inside
Press @ Run Depth: 36.90 psig @ 4527.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.14 End Date: 2011.04.14 Last Calib.: 2011.04.14
Start Time: 01:34:34 End Time: 11:06:59 Time On Btm: 2011.04.14 @ 04:04:44
Time Off Btm: 2011.04.14 @ 08:16:44

TEST COMMENT: IF: Strong Blow, BOB in 1 minute, GTS in 15 minutes, Gauged Gas
IS: Bled Off, No Blow back
FF: Strong Blow, BOB & GTS in 30 seconds
FS: Bled Off, No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.55	118.90	Initial Hydro-static
11	50.80	119.95	Open To Flow (1)
39	18.56	117.32	Shut-In(1)
100	1855.39	126.04	End Shut-In(1)
102	47.45	118.63	Open To Flow (2)
158	36.90	112.82	Shut-In(2)
249	1815.84	126.30	End Shut-In(2)
252	2180.99	123.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4504 Feet GIP	0.00
20.00	SGCM 2%G 98%M	0.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.76
Last Gas Rate	0.25	25.00	62.66
Max. Gas Rate	0.25	25.00	62.66



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

Michel BGU #2

125 N Market Ste 1000
Wichita, KS 67202

17-34S-11W Barber

Job Ticket: 041642

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.04.14 @ 01:34:29

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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4504 Feet GIP	0.000
20.00	SGCM 2%G 98%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co

Michel BGU #2

125 N Market Ste 1000
Wichita, KS 67202

17-34S-11W Barber

Job Ticket: 041642

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.04.14 @ 01:34:29

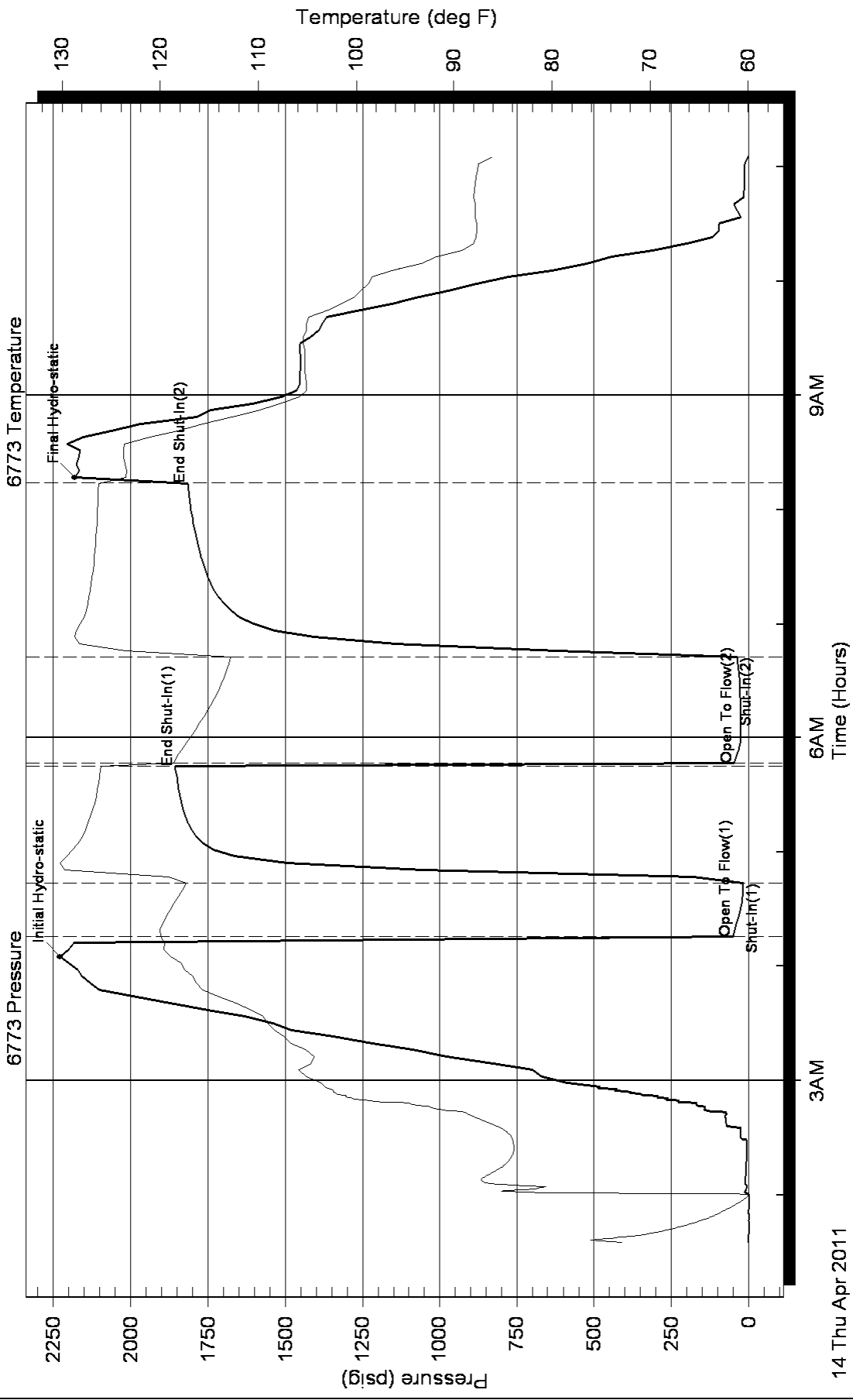
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.25	3.00	27.76
1	10	0.25	7.00	34.11
1	15	0.25	8.00	35.69
2	5	0.25	8.00	35.69
2	15	0.25	12.00	42.04
2	30	0.25	15.00	46.80
2	45	0.25	17.00	49.97
2	60	0.25	25.00	62.66

Pressure vs. Time





Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Michel 'B' GU #2
Location: Section 17 - Township 34 South - Range 11 West
License Number: 15-007-23681-0000
Spud Date: April 8, 2011
Surface Coordinates: 660' FSL, 660' FWL or C NW NW
Field: Rhodes South
Bottom Hole Verticle Hole Coordinates:
Ground Elevation (ft): 1408' **K.B. Elevation (ft):** 1419'
Logged Interval (ft): 4000' **To:** 5180' **Total Depth (ft):** 5180'
Formation: Kansas City Group ---> Simpson Group
Type of Drilling Fluid: Chemical Mud Displaced at 3369'

Region: Barber County, KS
Drilling Completed: April 17, 2011

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

COMMENTS

Surface Casing: Set 5 joints 10 3/4" X 32.75# at 216' KB (tally 203') with 240 sx Class A, 2% gel, 3% cc. Plug down 4:14 am on April 7, 2011, Cement did circulate.

Production Casing: 4 1/2 X 10.50#

Deviation Surveys: 1/4 at 219', 1/4 at 1186', 3/4 at 1685', 3/4 at 2217', 1/2 at 2713', 1/4 at 3213', 1/2 at 3713', 3/4 at 4216', 1/4 at 4717', 1/2 at 5180'.

Pipe Strap @ 5073', strap: 5091.67', board: 5092.98'. strap 1.31' short to the board. No correction was made.

Duke Drilling Rig #10 Bit Record:

#1 14 3/4" JZ-38 RR in at 0' out at 219'. 219' in 2.25 hours

#2 7 7/8" Varrel HE-21 in at 219', out at 5073', 4854' in 154 hours

#3 7 7/8" Varrel HE-29 RR in at 5073' out at 5180'

Gas Detector: Woolsey Operating Co. Gas Trailer #2

Mud System: Mud Co. Brad Bortz, Engineer

DSTs: Trilobite Testing Inc.

OH Logs: Superior Well Services, Dual Induction Laterolog w/SP, CNL-FDC w/PE, GR and Caliper. Jeff Luebbers, Engineer

DSTs

DST #1 Pawnee 4526'-4556'. 30"-60"-60"-90". SB BOB in 1 minute, GTS 15 minutes into IFP. Rec: 4504' GIP, 20' SGCM (2%G 98%M), IHP 2227, IFP 50-18, ISIP 1855. FFP 47-36, FSIP 1815, FHP 2180, BHT 126 degrees. Flow rates on 1/4" choke, IFP: 15" 25.9 MCF, 20" 31.8 MCF, 30" 33.3 MCF. FFP: 5" 33.3 MCF, 15" 39.2 MCF, 30" 43.6 MCF, 45" 46.5 MCF, 60" 58.3 MCF.

CREWS

Joe Livingston, Toolpusher (Semi-Retired)

Scott Edwards, Daylights

Colby Crawford, Evening

Alex Ordonez, Morning

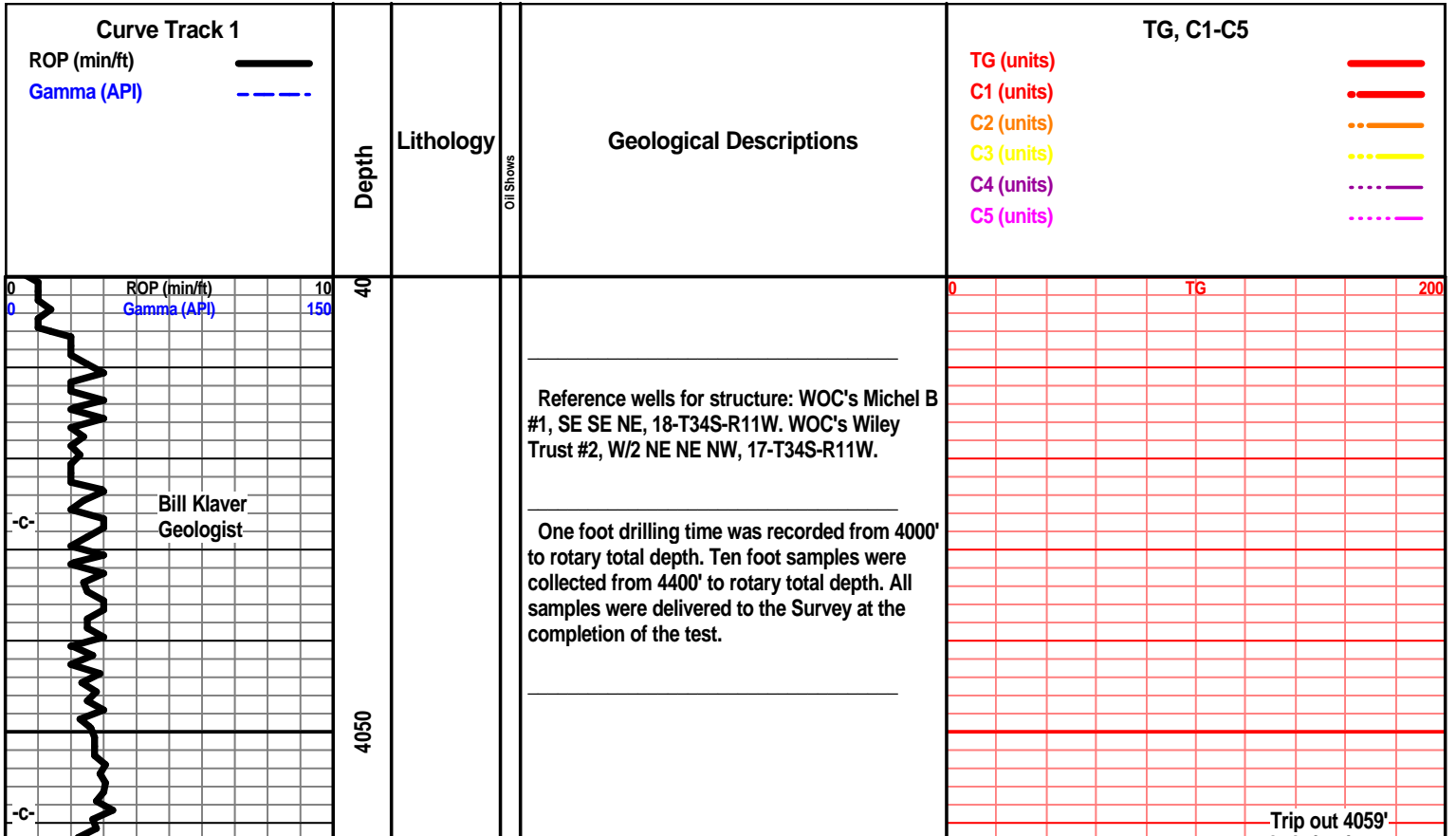
Ron Burns, Relief

ROCK TYPES

	Anhy		Congl		Lmst		Black sh
	Bent		Sdy dolo		Mrlst		Gry sh
	Brec		Shy dolo		Salt		Shale
	Cht		Dol		Shale		Shyslts
	Clyst		Gyp		Sltst		Sltstsh
	Coal		Sdy lmst		Ss		

ACCESSORIES

MINERAL		Chlorite		Pelec		Grysh	
	Anhy		Dol		Gryslt		
	Arg		Sand		Lms		
	Bent		Silty		Sandylms		
	Bit	FOSSIL		Plant		Sh	
	Brecfrag		Algae		Strom		Sltstn
	Calc		Amph		Fuss	TEXTURE	
	Carb		Belm		Oomoldic		Boundst
	Chtdk		Bioclst	STRINGER		Anhy	
	Chtlt		Brach		Arg		Chalky
	Dol		Bryozoa		Bent		Cryxln
	Ferrpel		Cephal		Coal		Earthy
	Ferr		Coral		Dol		Finexln
	Glau		Crin		Gyp		Grainst
	Gyp		Echin		Ls		Lithogr
	Marl		Fish		Mrst		Microxln
	Nodule		Foram		Sltstrg		Mudst
	Phos		Fossil		Ssstrg		Packst
	Pyr		Gastro		Carbsh		Wackest
	Salt		Oolite		Clystn		
	Sandy		Ostra		Dol		
	Silt						



7 am Drilling Progress:

April 6, 2011 MIRT
 April 7, 2011 WOC, plug down 4 am
 April 8, 2011 Drilling at 1400'
 April 9, 2011 Drilling at 2087'
 April 10, 2011 Drilling at 2680'
 April 11, 2011 Drilling at 3290'
 April 12, 2011 Drilling at 3895'
 April 13, 2011 Drilling at 4265'
 April 14, 2011 DST #1 at 4556'
 April 15, 2011 Drilling at 4724'
 April 16, 2011 CFS at 4970'
 April 17, 2011 Drilling at 5125'--
 E-logs out 10 pm

hole in pipe
 lay down 2
 drill collars
 3-8 pm 4/12/11

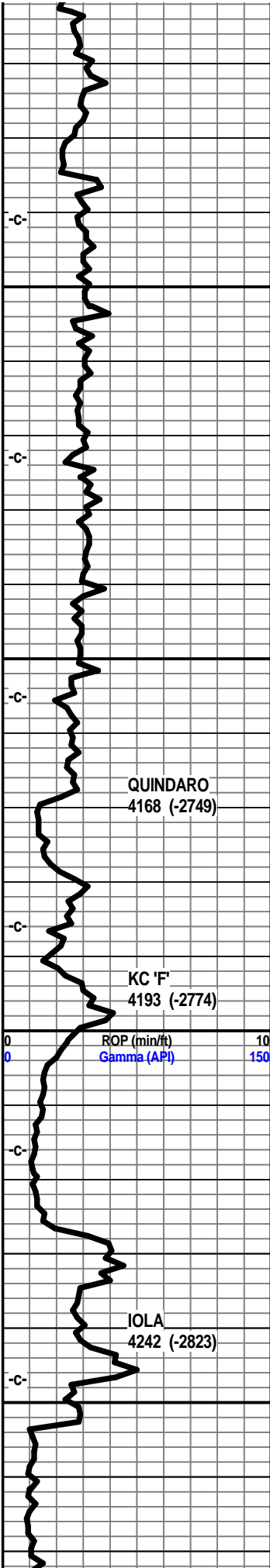
12 am 4127'
 Wednesday
 April 13, 2011

E-Log Tops:

Herington
 Onaga
 Wabaunsee
 LeCompton
 Kanwaka
 Elgin Sand
 Heebner
 Toronto
 Douglas Group
 Douglas Shale
 Haskell
 Stalnaker
 Quindaro
 Kansas City 'Iola'
 Kansas City 'Dennis'
 Stark
 Swope
 Hushpuckney
 Hertha
 B/Kansas City
 Pawnee
 Cherokee Group
 Cherokee Sand
 Mississippi
 C3
 C2A
 C2
 C1
 Osage
 Compton
 Kinderhook
 Woodford
 Misener Sand
 Viola
 Simpson Group
 Wilcox
 McLish Shale
 LTD

0 TG 200

7am 4265'
 Wednesday
 April 14, 2011

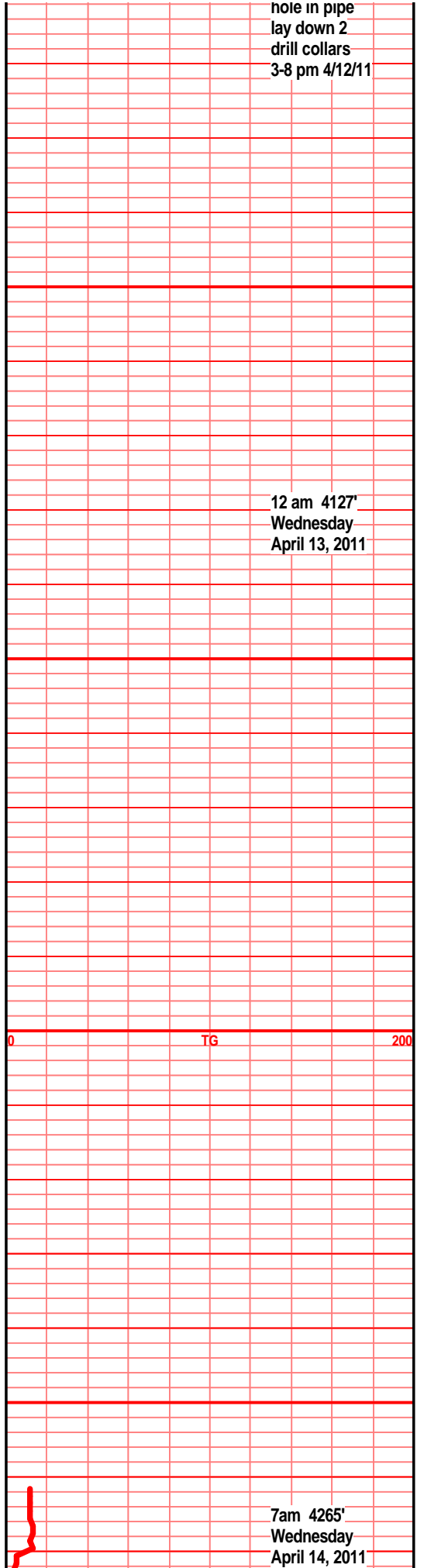
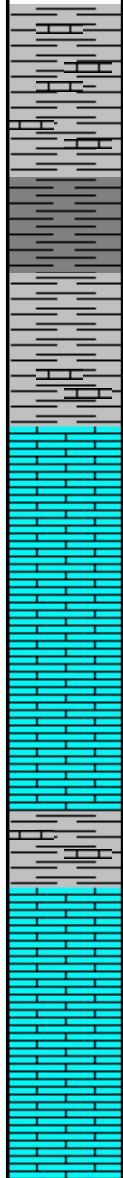


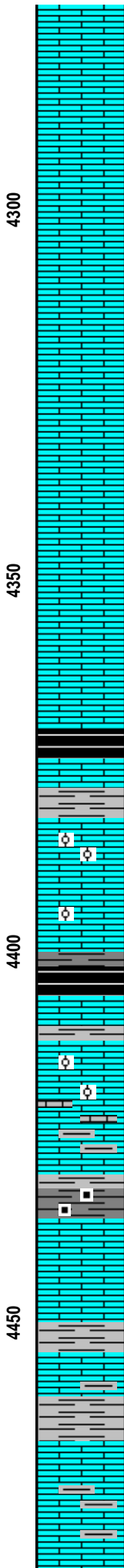
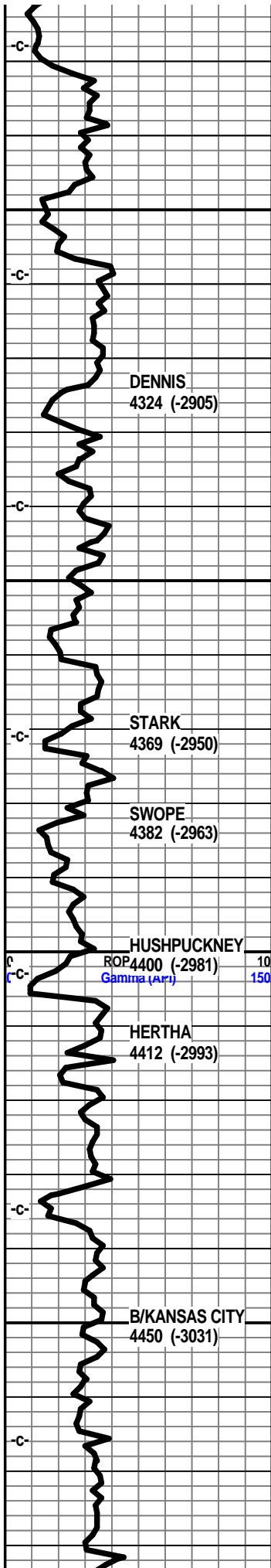
4100

4150

4200

4250





Oil and Gas Show Legend

- ⊗ Gas
- Even Stain/Saturation
- ◐ Spotted Stain/Saturation
- Questionable
- ◻ Dead/Gilsonite

1st crm tan tr brn f xln blk dns tr sub chlky foss frags, foss ool, crsly in prt, calc xln fill

1st tan brn gry f vf xln dn shrd blk ang sub chlky tr foss frags, tr foss ool, pelletal

shl gry blk, blk carb, grsy wxy pcs, abun gas bubs, bleeding gas

1st crm tan lt gry buff f xln blk ang sub chlky foss frags, tr ool/pelletal, calc xln fill

1st tan crm lt gry f xln blk ang gran tr sub chlky foss frags, tr ool, arg in prt, calc xln fill, tr chrt tan lt brn shrp frsh

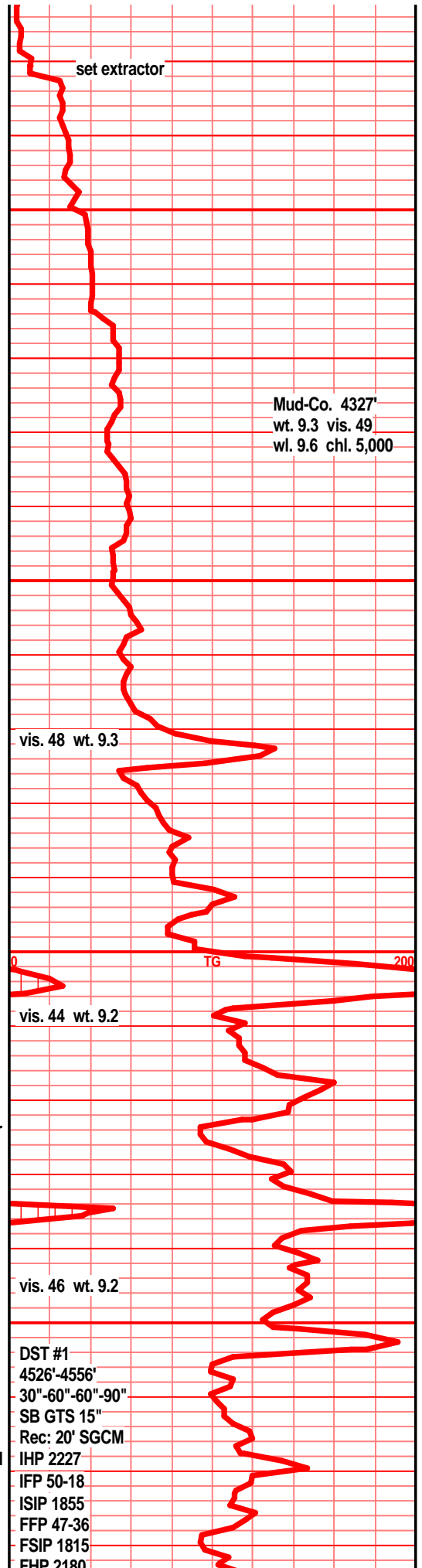
shl gry drk gry blk, blk carb in prt, silty, gritty, slick grsy wxy in prt, gas bubs on brk

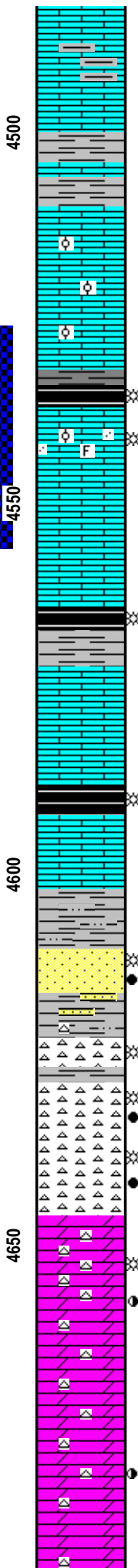
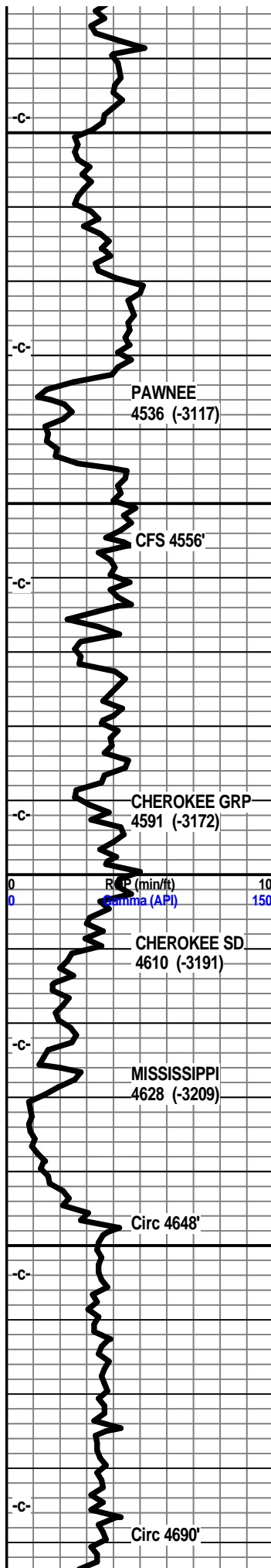
1st tan gry tr lt brn vf xln dns hrd blk ang arg silty, tr sub chlky, tr micro foss frags, tr chrt tan brn shrp frsh

shls gry green silty gritty, 1st tan gry brn f vf xln dns hrd blk tr sub chlky tr foss frags/ool spls fine and poor

shl gry green, 1st tan gry lt brn f vf xln dns hrd blk ang arg silty, tr foss frags, tr ool, tr pelletal micro foss, calc xln fill

1st tan gry f vf xln dns hrd blk ang arg silty, tr sub chlky, tr foss frags, calc xln fill, shls gry drk arv brn





Log description text:

lst crm buff, lt gry f vf xln dns hrd blkly tr sub chlky calc xln fill, foss frags, micro foss, very fine, very poor samples

lst tan buff lt gry f vf xln blkly ang mstly dns, tr sub chlky, micro foss frags, calc xln fill, arg, silts, mucho shls

lst crm tan buff f micro xln blkly ang dns sub chlky foss frags, micro foss, calc xln fill

lst crm tan buff f vf xln blkly ang dns hrd sub chlky, foss frags, micro ool/pelletal, calc xln fill,

lst tan buff vf xln blkly dns sub chlky micro foss, frags/ool calc xln fill

shl gry blk, blk carb in prt, gas bubs, shl gry drk gry/blk, gritty, silty

lst crm buff tan f xln blkly ang pcs, sub chlky, foss frags, foss ool, tr sndy gritty text, snd grn inclu, tr calc xln fill, tr inter xln por, f/gd show gas bubs, filmy cond with gas bub on break, bright UV

lst tan buff f vf xln dns hrd blkly ang tr foss frags, ool/pelletal in prt, calc xln fill

shl gry, drk gry blk, blk carb in prt, wxy grsy, tr gas bubs, lst tan gry vf xln dns hrd blkly ang arg

lst tan buff crm f vf xln blkly ang dns hrd calc xln fill, micro foss frags sub chlky

lst crm tan buff f vf xln dns hrd tr sub chlky micro foss, calc xln re-fill,

shl drk gry blk, blk carb, wxy grsy, gas bubs, lst tan tan buff f vf xln blkly sub chlky, foss frags, micro foss, xln fill

shl gry gry/grn, silty gritty, lst tan drk brn f mic xln blk dns hard calc, arg

shl gry grn, blue/green silty gritty soft

sst crm tan lt brn vf grnd, rded sub rded grns, vw/srtd, sub fria to tite blkly clstrs, calc cem, tr clay fill, tr glau, tr inter grn por, gd odor, filmy SFO, lt brn stain, abun gas bubs

chrt off wht, lt gry, lt smokey, tr yllw/brn, shrp, frsh blkly ang opa to trans, transl, tr weath edge text, frac por, tr pp/moldic por, gd odor, tr gas bubs,

chrt tan gry smokey, tan/brn, shrp frsh blkly opa, trans, weath trip text edge, vis frac por, moldic weath por, gd/strong odor, gas bubs, brn stain, SFO fair UV

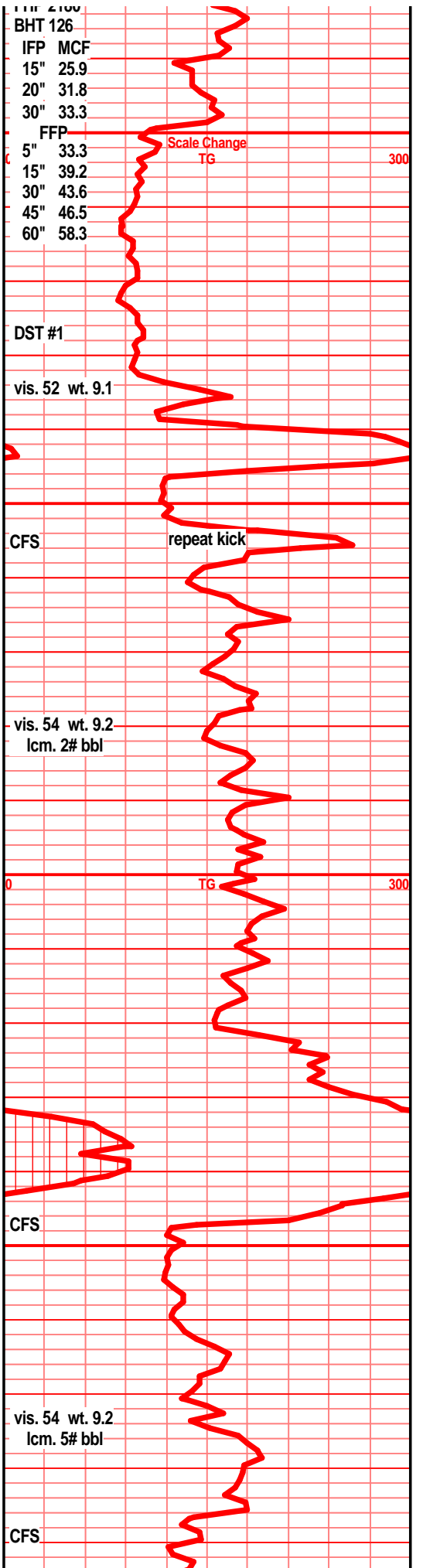
dolo lt gry green vf xln blkly dns hrd chrt, gry shrp frsh chrt inclu, pp moldic por, sli odor, stain gas bubs, SFO

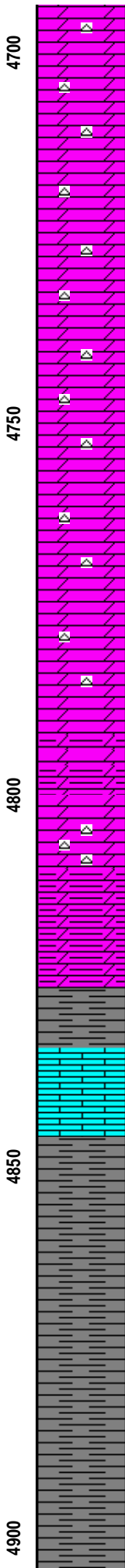
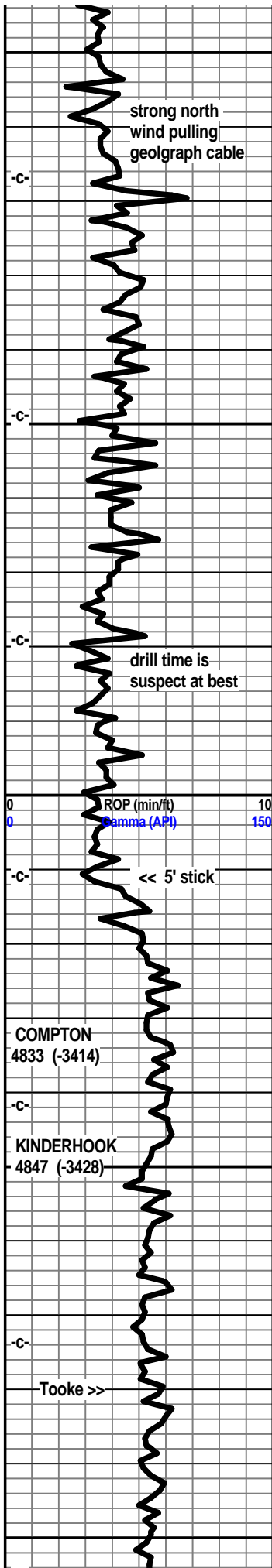
dolo lt crm lt green vf xln gran fnly gritty blkly ang pcs, dns tr chrt, chrt wht lt gry shrp frsh tr stain, tr gas bubs

dolo crm off wht, lt green tint, vf xln gran fnly gritty sli silty, tr silic text, blkly ang dns pcs, tr gry shrp opa chrt, tr drk stain, nodor

dolo crm lt gry lt green tint f vf xln gran blkly ang dns hrd, silic text in prt, tr glau, chrt in prt, chrt wht shrp opa, tr stain nodor,

dolo off wht crm lt gry w/lt grn tint, vf xln gran ang blkly dns, silic text in prt, glau in prt, bec





arg drk dns, silic text in prt, grau in prt, bec arg silty, chrt in prt, chrt wht shrp opa

dolo tan lt green tint bec gry drker gry with depth f vf xln gran silty arg ang pcs, chrt gry smokey shrp frsh

dolo drk tan gry, gry f vf xln gran ang blk dns silty tr silic text, msly dns shly hrd, tr chrt aa

dolo tan gry, gry f vf xln gran arg silty blk dns hrd, tr chrt gry smokey shrp frsh

dolo tan drk tan gry, vf xln gran arg tr silty, blk silty silic text in prt, silty shls, gry med gry calc in prt

dolo grn crm lt gry f vf xln gran dns hrd blk ang silty, silty silic text in prt, chrt tan gry shrp frsh

dolo tr silty dolo, crm tan lt gry blk dns flky arg f vf xln silty, silic text in prt chrt tan gry shrp frsh

dolo crm drk tan gry f vf xln gran arg blk ang pcs, silty silic text, tr chrt wht lt gry shrp frsh

dolo silty dolo, tan lt gry f vf xln dns hrd blk flky silic text, chrt gry tan frsh shrp opa

dolo crm gry drk tan vf xln dns ang arg silty, silic text in prt.

dolo silty dolo, tan gry f vf xln gran blk and silty tr silic text, samples very fine and poor quality

aa, lst wht off wht f sli med xln blk flky ang, chrt in prt, chrt wht shrp frsh opa

shl lt gry, pale green silty soft gritty, ratty, shl drk gry brn silty muddy soft,

shl gry drk gry brn silty muddy soft, lst tan drk tan f vf lxn blk dns ang hrd, chrt wht shrp frsh opa

shl gry green blk, soft muddy silty ratty, lst tan crm off wht f xln blk ang foss frags chrt aa in spl

lst tan off wht f xln blk ang tr gran tr foss frags, chrt wht shrp frsh opa

shl gry lt gry, drk gry/green silty, bedded, tr banded, silty, tr pyritic, tr gas bubs

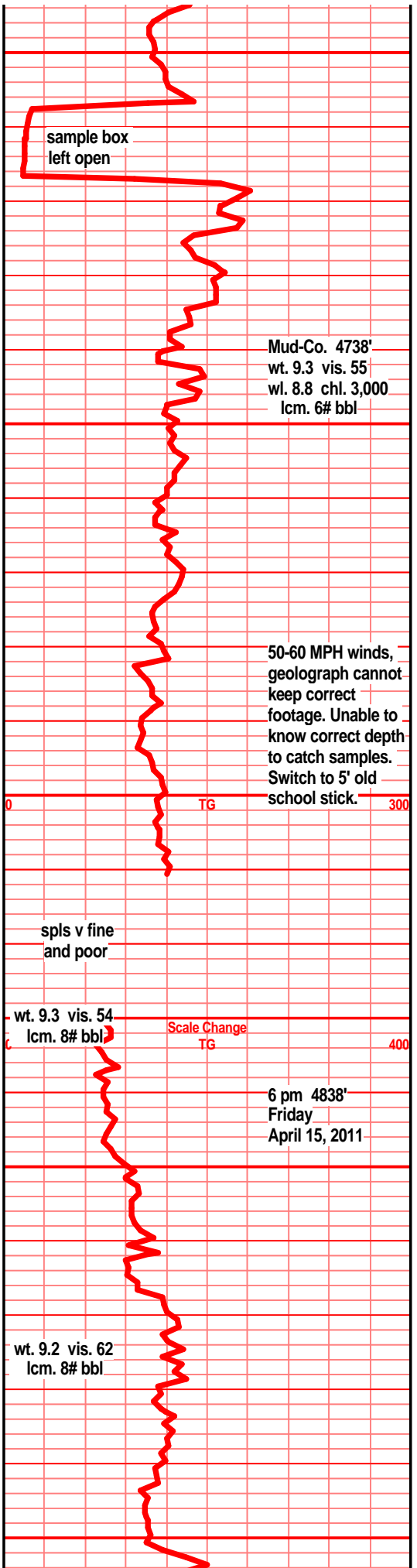
shl gry green brn blk, silty gritty, pyritic in prt, tr bedded

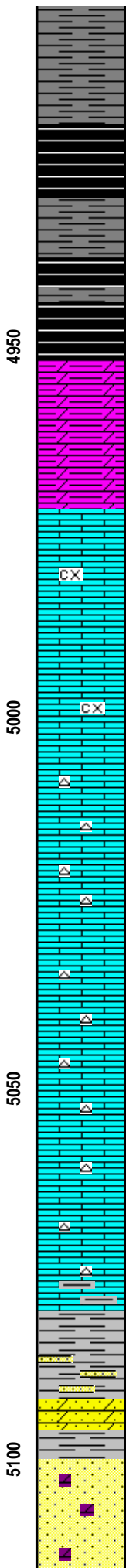
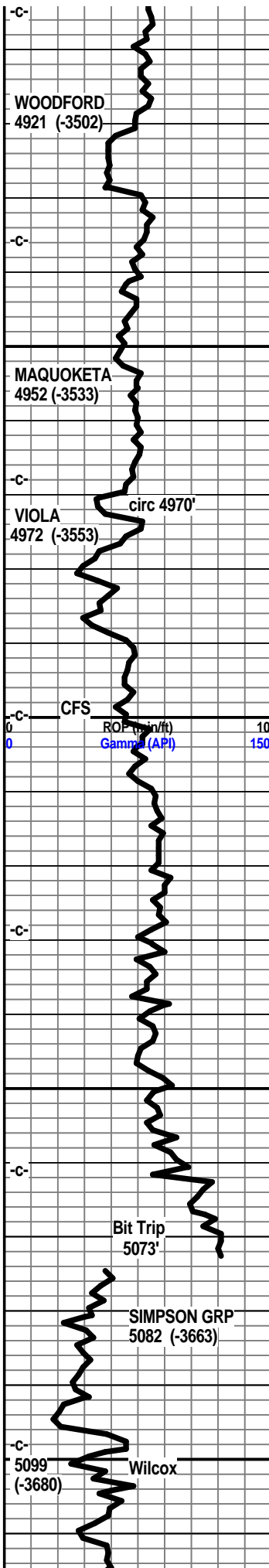
shl drk gry drk gry/green brn silty gritty gran in prt, tr pyritic

shl gry drk gry/green, brn silty gritty bedded, tr pyritic,

shl gry drk gry brn/green silty gritty

shl gry drk gry blk, silty, gritty





shl gry, drk gry, gry brn, blk silty gritty, bedded/banded,

shl blk, reddish brn/blk, blkly ang pcs, soft, tr pyrite inclu, abun gas bubs

shl blk, drk reddish brn/blk, blkly ang soft pcs, blk carb, silty/gritty in prt

shl blk, drk red/brn, silty blkly ang pcs, carb, wxy grsy text, abun gas bubs

shl aa, drk gry brn/blk silty gritty, gran, soft tr grsy stain, gas bubs, tr vfn grnd snd grn inclu, ang grns, prly strd, much pyritic fill, tr sst clr vit f sli med grnd clstrs, sub ang/ang grns, clay fill, min fill, hvy pyr fill, dolo, shly dolo, tan lt tan/gry soft silty mushy

lst wht off wht, lt gry tint, f sli med xln, blkly ang, sub chlky, flky pcs, inter xln por, pyritic fill, spls wsh wht

lst wht off wht f sli med xln, blkly ang pcs, sub chlky in prt, fair vis inter xln por, tr foss frags, v sli stain, filmy SFO, nodor, 2-3 pcs only, lst off wht lt gry f sli med xln blkly dns hrd ang, tr inter xln por, pyritic, sub chlky, flky

lst wht off wht, tr green tint, tr gry tint, f med xln blkly ang tr flky, tr sub chlky, soft, gran tr foss frags,

lst crm wht off wht, tr gry/green tint, f sli med xln bky ang dns, tr sub chlky tr foss frags, incr chrt dull tan/brn shrp frsh foss opa

lst crm tan lt brn f xln bky ang hrd tr flky tr sub chlky tr foss frags, pyritic in prt, chrt tan dull tan brn shrp frsh foss opa

lst wnt off wht crm tan mott f xli med xln sub chlky gran flky, tr foss frags, trashy spls, much splintery shls

lst crm tan off wht mott, f xli med xln, flky tr sub chlky tr foss frags, chrtly in prt, chrt tan dull brn shrp frsh foss opa

lst tr dolo in prt, crm tan drk tan f vf xln gran gritty, sub chlky tr foss frags, chrtly in prt, chrt tan dull tan lt brn shrp frsh foss,

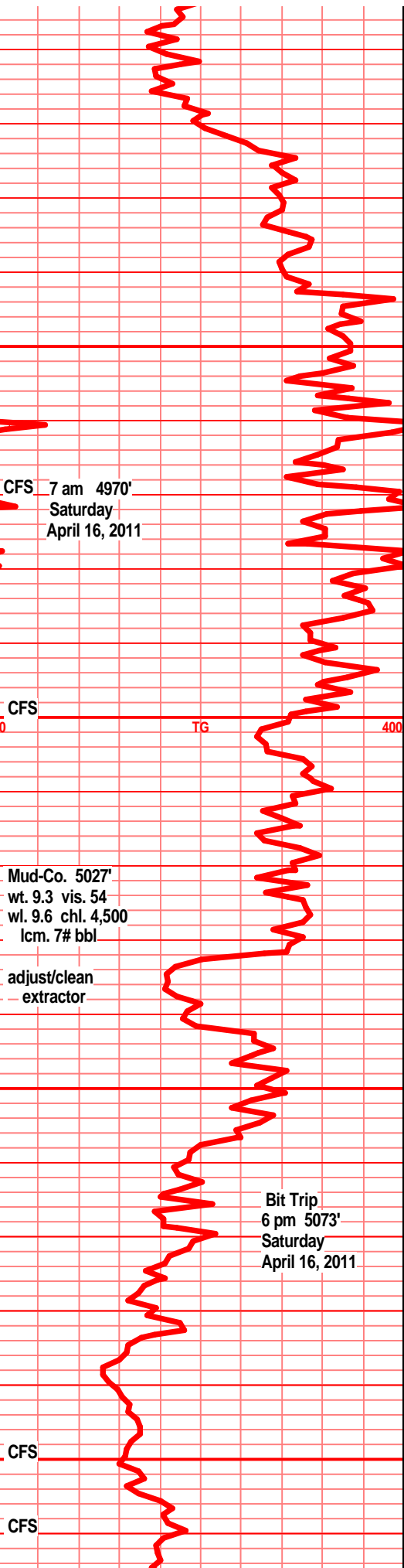
lst tan crm lt brn vf xln dns hrd blkly chrtly in prt, chrt lt tan brn shrp frsh, spls very fine!! poor

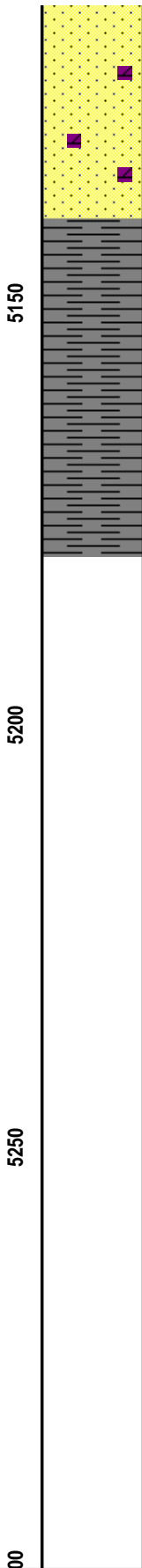
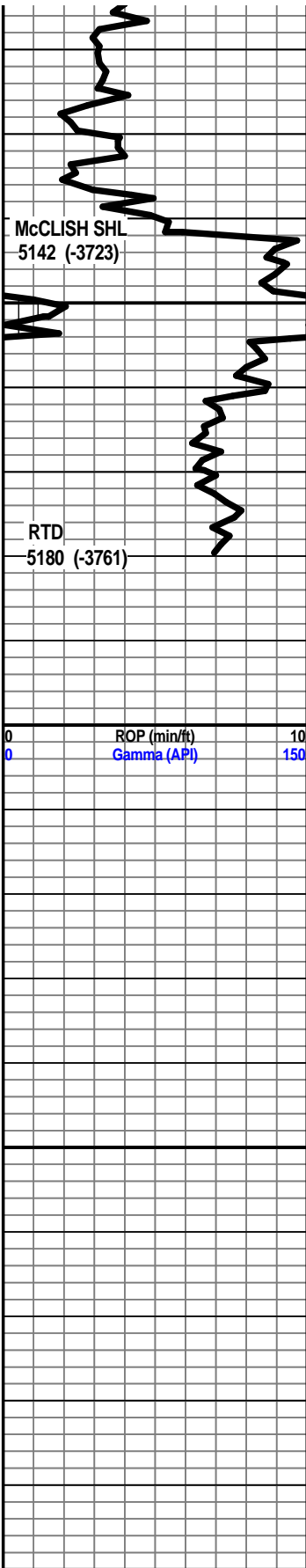
shl gry teal grn w/snd grn inclu, sst gry green fn grnd clstrs, dolo in prt, sub ang w/srtd, w/cem, tr glau, clay fill, arg calc in prt

sst gry green clstrs, f grnd, ang/sub ang grns, f/prly srtd, sub fria to tite, silic cem, tr glau, min fill, mstly tite dns blkly ang clstrs

sst aa, sst clr lt gry clstrs, f grnd, sub rded, w/srtd, sub fria to fria, prly cem, silic cem, tr dolo in prt, tr min fill, tr glau,

sst clr lt gry clstrs (w/tan brn fn dolo xln fill), f





grnd sub rded to rded grns w srtd, sub fria to fria, prly cem, silic cem, tr glau, min fill, tr clay fill arg

sst clr lt gry clstrs, f grnd sub ang, mstly rded grns, w srtd, prly cem, silic cem, sub fria, tr clay fill, tr arg, tr glau, blk min fill, tr tan brn inter grain dolo xln fill

shl drk gry green, teal green, tr w/snd grn inclu, tr pyritic

shl drk gry, gry/green, teal green, slick wxy grsy in prt, tr splintery

shl gry drk gry, green, teal green, wxy grsy, snd grn inclu, tr pyritic, splintery in prt

shl drk gry, gry/green, teal green, wxy grsy, slick, snd grn inclu, tr glau, pyritic, splintery in prt

