



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
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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 Name Top Datum
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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 Bbbs.	Gas Mcf	Water Bbbs.	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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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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/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 22, 2011

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

Re: ACO1
API 15-007-23627-00-00
LANDIS 3
NW/4 Sec.16-34S-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

ALLIED CEMENTING CO., LLC. 041417

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge

DATE <i>11-22-10</i>	SEC. <i>16</i>	TWP. <i>34s</i>	RANGE <i>11W</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00 AM</i>	JOB FINISH <i>12:30 AM</i>
LEASE <i>Landis</i>		WELL # <i>3</i>		LOCATION <i>281 + Scott Canyon Rd -</i>		COUNTY <i>Barber</i>	STATE <i>Kansas</i>
OLD (OR NEW) (Circle one) <u>NEW</u>				<i>2e, 1/2 s, E into</i>			

CONTRACTOR *H-2 Rig #3*

TYPE OF JOB *surface*

HOLE SIZE *14 3/4* T.D. *212'*

CASING SIZE *10 3/4* DEPTH *212'*

TUBING SIZE *8 5/8 = 12'* DEPTH

DRILL PIPE *LT* DEPTH

TOOL DEPTH

PRES. MAX *200* MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *20 3/4 Bbls Fresh*

EQUIPMENT

OWNER *Woolsey Operating*

CEMENT AMOUNT ORDERED *230 sx Class A + 3% C + 2% G*

COMMON <i>A</i>	<i>230 sx @ 15.45</i>	<i>3553.50</i>
POZMIX	@	
GEL	<i>5 sx @ 20.80</i>	<i>104.00</i>
CHLORIDE	<i>8 sx @ 58.20</i>	<i>465.60</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<i>243 @ 2.40</i>	<i>583.20</i>
MILEAGE	<i>243/15/10</i>	<i>364.50</i>
		TOTAL 5070.80

WELL FILE

Regulatory Correspondence
Workovers
Operations
Tests / Meters

PUMP TRUCK CEMENTER *Paul Balding*

HELPER *Bobby*

BULK TRUCK DRIVER *Kevin W*

DRIVER

REMARKS:

*Run 218' 10 3/4 casing with
a 12' 8 5/8 LT
Break circ w/ Rig
Mix 230 sx A 342
Displace with 20 3/4 Bbls
+ shut in w/ 20 rem in pipe
cement did circulate*

SERVICE

DEPTH OF JOB *218*

PUMP TRUCK CHARGE *1018.00*

EXTRA FOOTAGE @

MILEAGE *15 @ 7.00* *105.00*

MANIFOLD @

@

@

CHARGE TO: *Woolsey Operating*

STREET

CITY STATE ZIP

TOTAL 1123.00

PLUG & FLOAT EQUIPMENT

	@	
X	@	
	@	
	@	
	@	

TOTAL

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 ~~6123.00~~

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME *MIKE THARP*

SIGNATURE *Mike Tharp*

~~6123.00~~

ALLIED CEMENTING CO., LLC. 040581

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge

DATE <u>12-1-2010</u>	SEC. <u>16</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	CALLED OUT <u>6:00 pm</u>	ON LOCATION <u>7:30 pm</u>	JOB START <u>9:30 pm</u>	JOB FINISH <u>10:30 pm</u>
LEASE <u>Lendis</u>	WELL # <u>3</u>	LOCATION <u>281 & Scott Canyon Rd</u>			COUNTY <u>Barber</u>	STATE <u>Ks</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>2E, 1/2 S, E1 into</u>					

CONTRACTOR H2 #3
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5150'
 CASING SIZE 5 1/2 DEPTH 5030'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42'
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 119 1/2 bbls of 2% KCL Wgr

OWNER Woolsey Operations
 CEMENT
 AMOUNT ORDERED 75ss 60:40 4% Gel
150ss class H + 10% Gypsum + 10%
591 + 6 # Kolses + 8% FL160 + 14 # Flox
13 991s KCL

COMMON	<u>A 45 sx</u>	@ <u>15.45</u>	<u>695.25</u>
POZMIX	<u>30 sx</u>	@ <u>8.00</u>	<u>240.00</u>
GEL	<u>3 sx</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE		@	
ASC		@	
H	<u>150 sx</u>	@ <u>16.75</u>	<u>2512.50</u>
Gylseal	<u>14 sx</u>	@ <u>29.20</u>	<u>408.80</u>
Sol +	<u>16 sx</u>	@ <u>12.00</u>	<u>192.00</u>
Kolseal	<u>900 #</u>	@ <u>.89</u>	<u>801.00</u>
FL-160	<u>112.80 #</u>	@ <u>13.30</u>	<u>1500.24</u>
Floxeal	<u>375 #</u>	@ <u>2.50</u>	<u>937.50</u>
Clapro	<u>13 Gals</u>	@ <u>31.25</u>	<u>406.25</u>
		@	
HANDLING	<u>281</u>	@ <u>2.40</u>	<u>674.40</u>
MILEAGE	<u>281 - 10/15</u>		<u>421.50</u>
			TOTAL <u>8851.84</u>

EQUIPMENT

PUMP TRUCK CEMENTER Darin F
 # 414-302 HELPER Ron G
 BULK TRUCK
 # 356-250 DRIVER Jason T
 BULK TRUCK
 # DRIVER

WELL FILE
 Regulatory Correspondence
 Drg Comp Workovers
 Tests / Meters Operations

REMARKS:

Pipe on bottom & break circulation, mix
25ss for R&H, mix 50ss of SCG w/ 50ss
Cement, mix 150ss of oil cement, shut
down, wash pump & lines, start displacement
Lift pressure at 98 bbls, slow rate to
3 bpm at 110 bbls, Bump plus at 119 1/2
bbls 800-1500 PSI, float did hold

DEC 23 2010 SERVICE

DEPTH OF JOB	<u>5030'</u>		
PUMP TRUCK CHARGE	<u>2185.00</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>15</u>	@ <u>7.00</u>	<u>105.00</u>
MANIFOLD		@	
	<u>Hesarenas</u>	@	
		@	

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

TOTAL 2290.00

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>			
1-DFU Float shoe		@	<u>214.20</u>
1-Latch Down plug		@	<u>163.80</u>
11-Turbolizers		@ <u>40.60</u>	<u>446.60</u>
12-Scrappers		@ <u>23.94</u>	<u>287.28</u>
		@	

TOTAL 1111.88

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 ~~_____~~
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME x Scott Alberg
 SIGNATURE x [Signature]

Thank YOU!!!



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Landis #3

Location: N/2 SW SW NW

License Number: API: 15-007-23627-00-00

Spud Date: November 22, 2010

Region: Barber County, Kansas

Drilling Completed: December 1, 2010

Surface Coordinates: 2160' FNL, 330' FWL Section 16-Twp 34 South - Rge 11 West
Schuplach Southwest Pool

Bottom Hole Coordinates: Vertical Hole

Ground Elevation (ft): 1369

K.B. Elevation (ft): 1378

Logged Interval (ft): 3600 To: 5150 Total Depth (ft): 5150

Formation: McLish Shale

Type of Drilling Fluid: Chemical Mud, Displace at 3400'

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
HUSHPUCKNEY SHALE	4370(-2992)	4368(-2990)
B/KC	4423(-3045)	4418(-3040)
PAWNEE	4513(-3135)	4512(-3134)
CHEROKEE GROUP	4564(-3186)	4562(-3184)
CHEROKEE SAND	4588(-3210)	4584(-3206)
MISSISSIPPIAN	4615(-3237)	4613(-3235)
COMPTON LIMESTONE	4798(-3420)	4797(-3419)
KINDERHOOK SHALE	4810(-3432)	4810(-3432)
WOODFORD SHALE	4890(-3512)	4890(-3512)
VIOLA	4915(-3537)	4918(-3540)
SIMPSON GROUP	5042(-3664)	5042(-3664)
SIMPSON WILCOX	5064(-3686)	4068(-3690)
MCLISH SHALE	5112(-3734)	5112(-3734)
MCLISH SAND		
RTD	5150(-3772)	
LTD		5151(-3773)

COMMENTS

Surface Casing: Set 6 joints 10 3/4" at 231' with 230 sxs Class A, 2% gel, 3% cc, plug down at 1:00 am on November 23, 2010. Cement did Circulate.
Production Casing: 5 1/2" Casing Ran.
Deviation Surveys: 230' 3/4, 1254' 3/4, 1794' 1, 2303' 1/4, 2841' 1, 3256' 3/4, 3256' 3/4, 3734' 3/4, 3957' 2, 4028' 2, 4082' 3/4, 4114' 3/4, 4593' 1, 5150' 3 (Dropped w/o crows foot & float)
Contractor Bit Record: 1- 14 3/4" out at 240'.
2- 7 7/8" out at 5150'.

Gas Detector: Woolsey Operating Company, Trailer #2
Mud System: Mud Co, Brad Bortz, Engineer
Logged By Superior Well Services

LTD 5151'



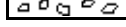

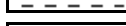






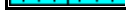











DSTs

No DST's Ran on this well.















































































CREWS

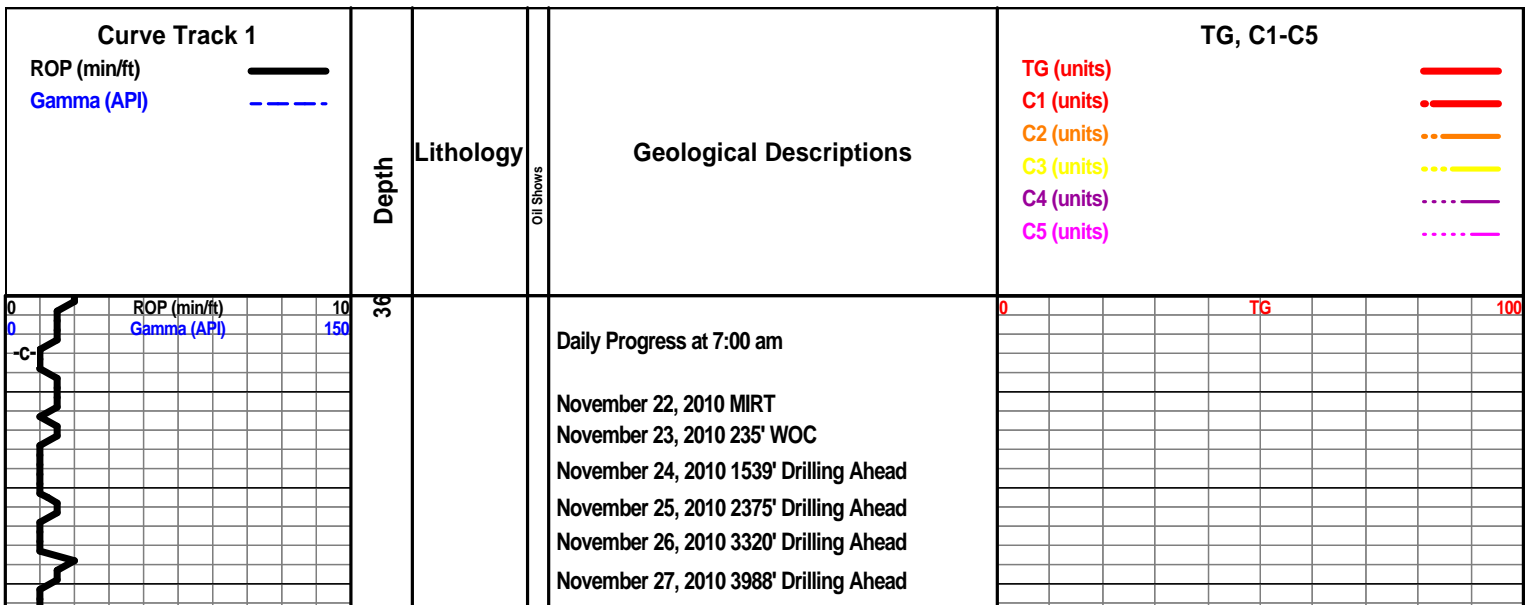
H2 Drilling Rig #3
 Tool Pusher - Randy Smith
 Drillers - Mark Staats
 Gary Axtell
 Cesar Regalado

ROCK TYPES

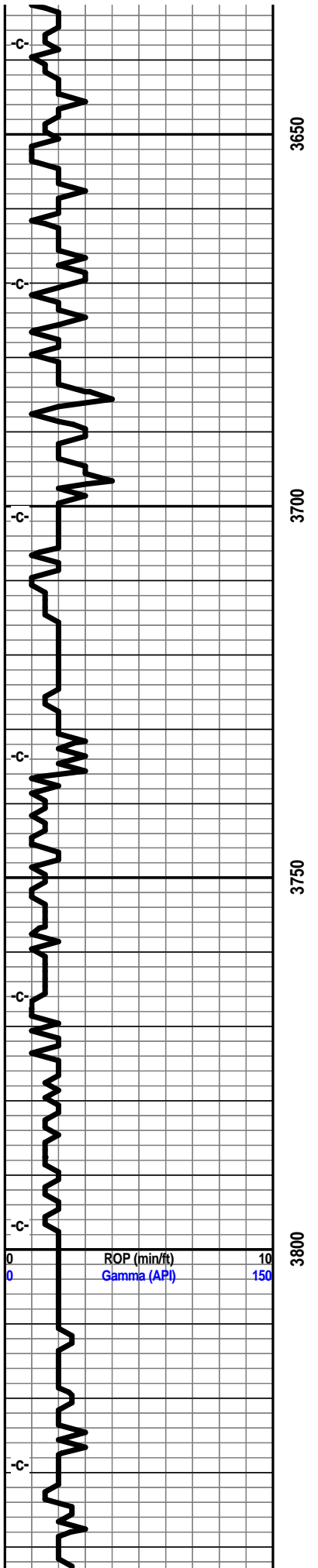
 Anhy  Bent  Brec  Cht  Clyst  Coal	 Congl  Sdy dolo  Shy dolo  Dol  Gyp  Sdy lmst	 Lmst  Mrlst  Salt  Shale  Sltst  Ss	 Black sh  Gry sh  Shale  Shyslstst  Sltysh
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ACCESSORIES

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  Silty 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  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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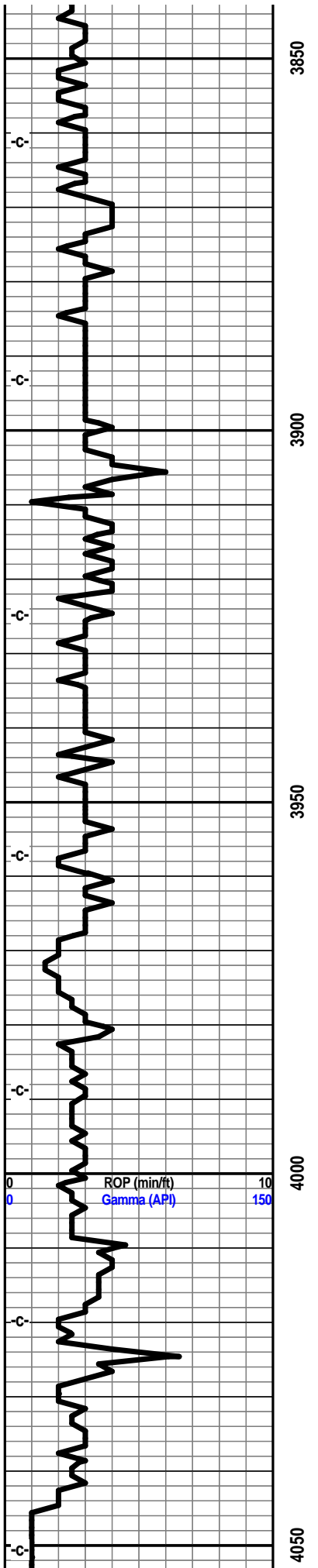


November 28, 2010 4400' Drilling Ahead
November 29, 2010 4658' Drilling Ahead
November 30, 2010 5013' Drilling Ahead
December 1, 2010 5150' TIH After Log



3734'
Survey 3/4 degrees

0 TG 100



RPM 90
WOB 25,000#

Vis 52
Wt 9.1

3957'
Survey 2 degrees

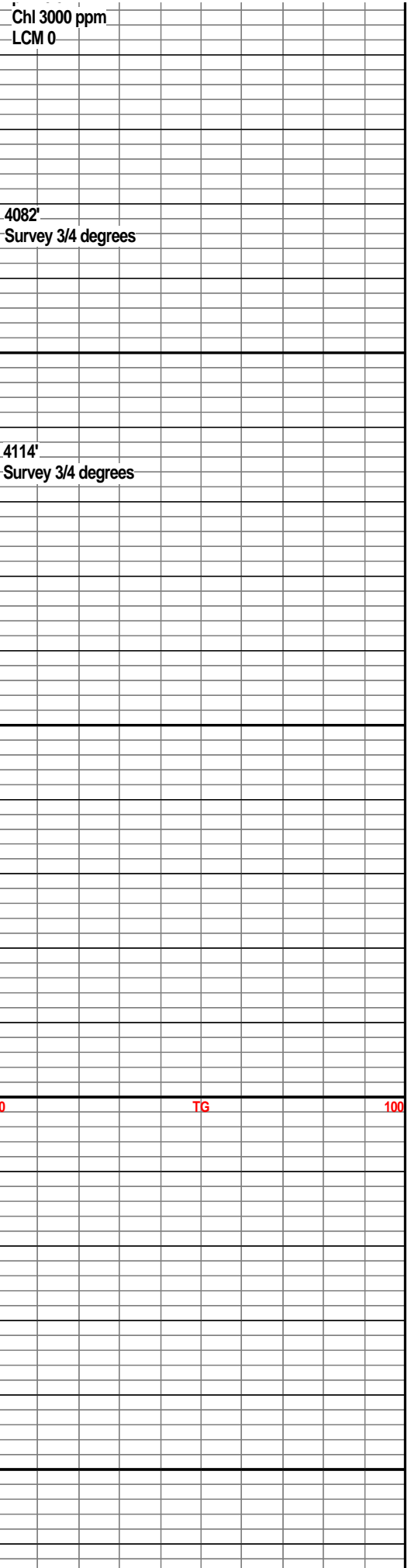
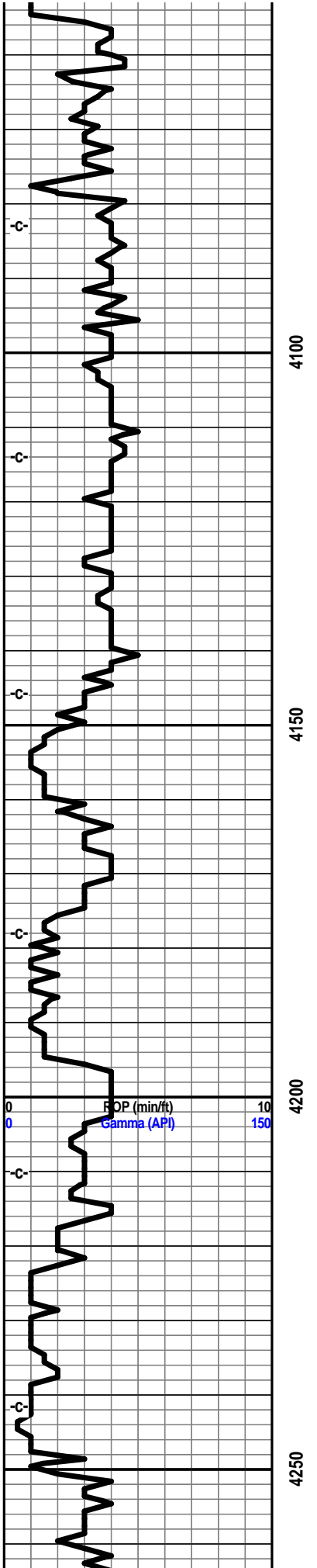
RPM 120
WOB 18-19,000#

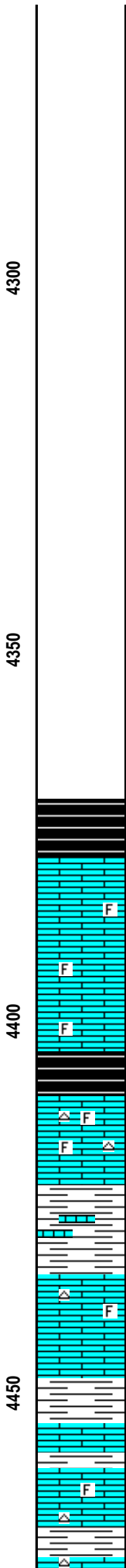
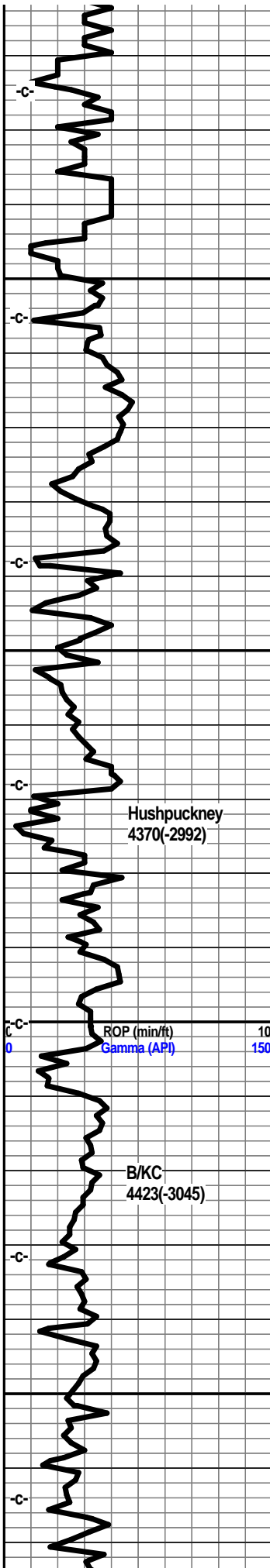
November 27, 2010
3988' @ 7:00 am
Drilling Ahead

0 TG 100

4028'
Survey 2 degrees

Mud Co Mud Check
4041'
November 27, 2010
@ 10:30 am
Vis 47
Wt 9.2
WL 9.2
pH 10.5





Shale, Grey-black, carb.

Limestone, cream-white, fxln, sl foss, sub chalky in part.

Limestone, cream, tan-white, foss., chalky.

Shale, grey-black, carb.

Limestone, cream-white, xln, foss in part, sub-chalky, traces of chert.

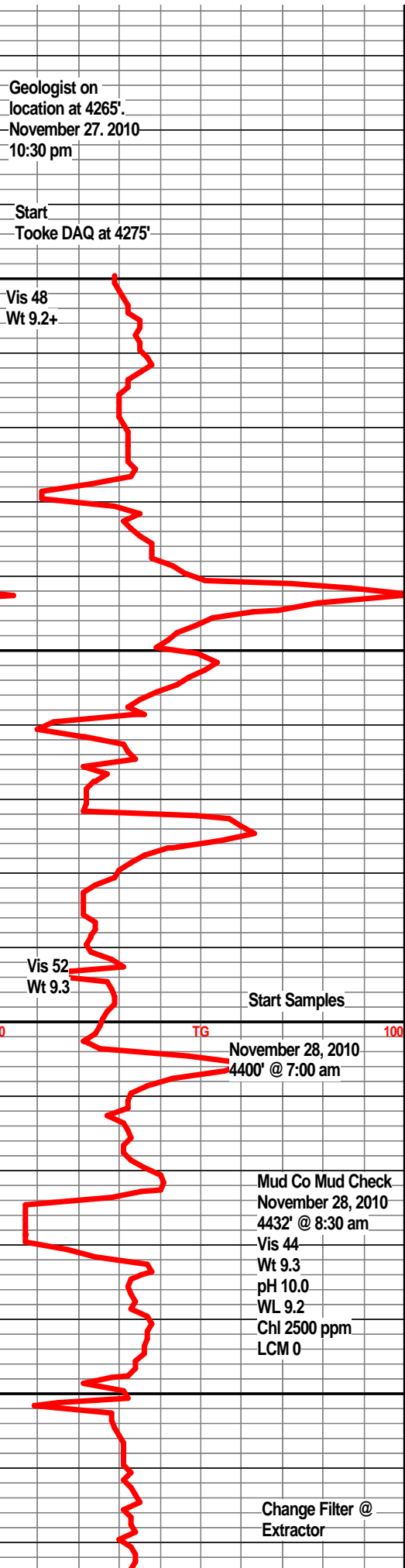
Shale, grey, lt grey, sl limey.

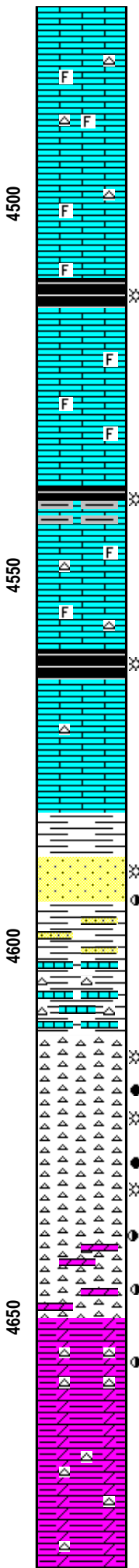
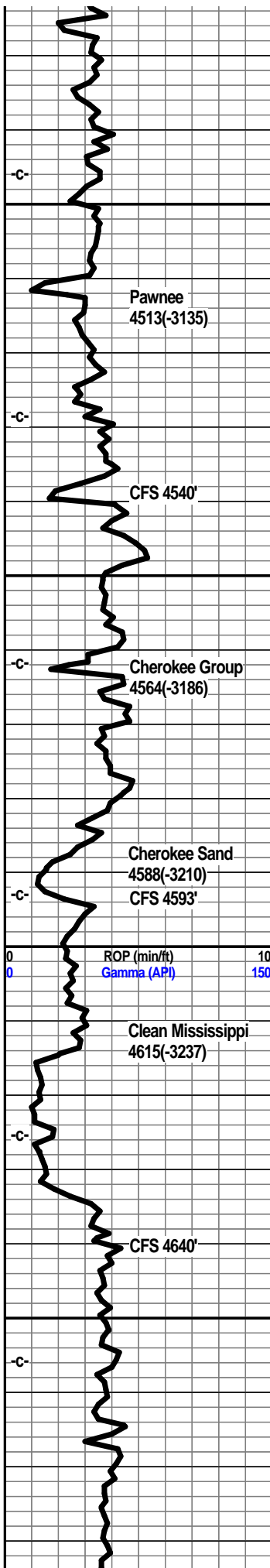
Limestone, cream, tan, tan-white, fmxln, foss., trace of tan cherts.

Shale, grey-black, silty.

Limestone, tan, tan-white, xln, dense, trace of shale stringers, foss in part.

Shale, grey, lt grey.





Limestone, tan-white, xln, foss frags,

Limestone, cream, tan, fxln, foss in part, sub chalky, traces of chert.

Limestone, cream-white, xln, dense, foss frags, sub chalky, some chert.

Limestone, cream, tan-white, xln, dense, foss., sub chalky.

Shale, grey-black, carb.

Limestone, cream-white, xln, foss frags, some pp porosity, sub chalky, no visible show.

Limestone, cream-white, xln, foss, sub chalky, trace of tan chert.

Shale, grey-black, sl carb.

Limestone, cream-white, xln, dense, sl foss, traces of tan chert, sub chalky in part.

Shale, grey-black, sl carb.

Limestone, tan, xln, foss, chalky, cherty, shaley in part.

Limestone, cream-white, fxln, foss, chalky.

Shale, lt grey, silty.

Sst, tan, fine grained, sa to sr, well cemented, not very friable, fair sorting, fair odor, show of bleeding gas, show of lt oil, trace of free oil in 60 min sample, good gas kick.

Shale, green, traces of green limestone, some sandy shale, yellow chky limestone, traces of scattered chert.

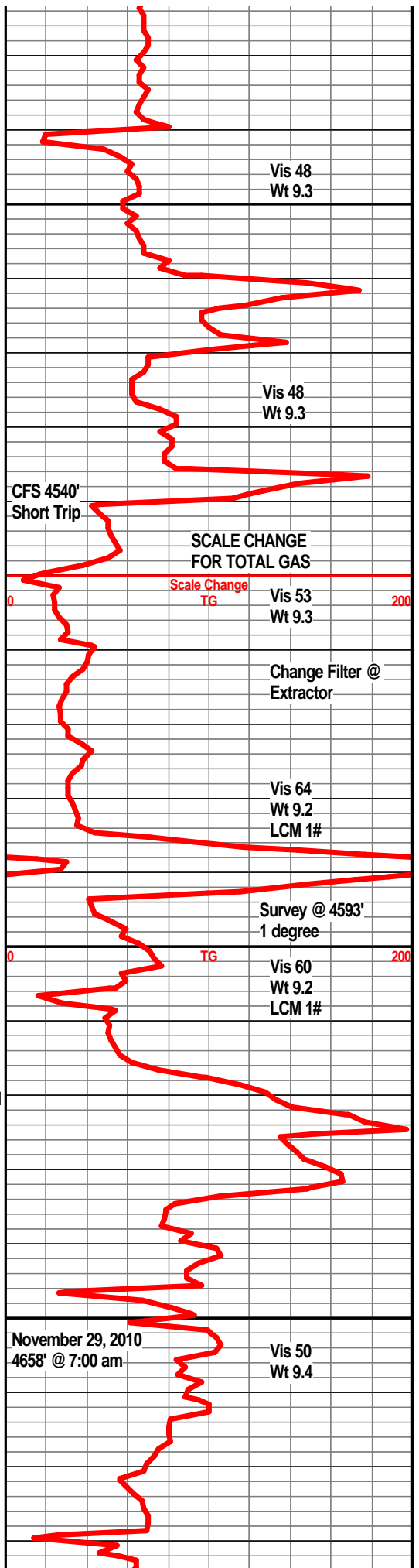
Chert, white to bone-white, translucent, some pale green-whote, sharp, some weathered, scattered vugs, show free oil in tray, faint odor, slight show bleeding gas, good gas indication, sl scattered fluor.

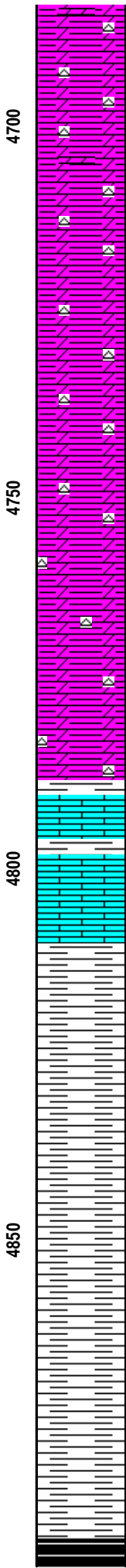
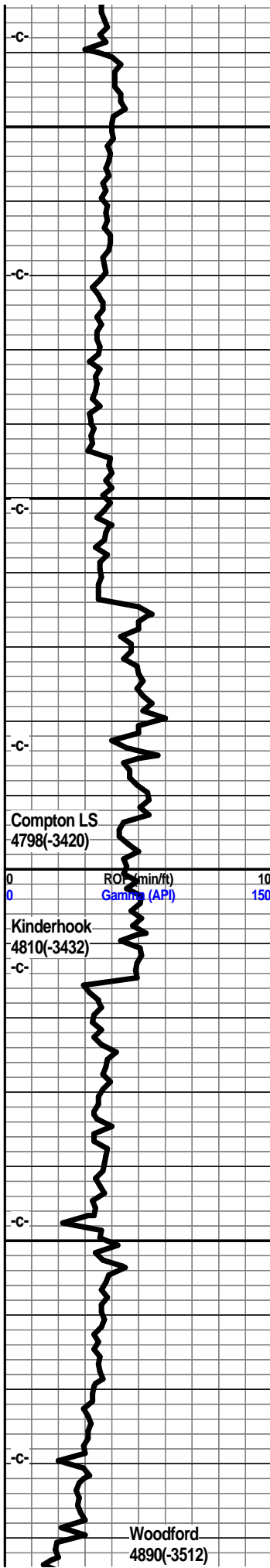
Chert, white, off-white, sharp, weathered, scattered vugs, pp porosity, fair staining, show of free oil in tray, some bleeding gas, fair odor, dull fluor, good gas indication.

Chert, white, off-white, grey dolo shales, chert is weathered with fair staining and show of oil.

Dolo, grey-white, abundant grey shales, off-white cherts with fair staining, slight odor, trace of free oil.

Dolo, grey-white, lt grey shales, scattered off-white cherts with light staining, decreasing shows.





Dolo, grey-white, xln, trace of foss, light grey shales, off-white chert with very slight stain.

Dolo, grey-white, xln, fn grained, grey shales.

Dolo, light grey-grey, fxln, fine grained, abundant grey shales, traces of off-white cherts.

Dolo, lt grey, fine grained, grey shales, cherty in part.

Dolo, grey, lt grey, fxln, grey shales, cherts.

Dolo, lt grey, tan, xln, fine grained, shales, some cherts.

Dolo, lt grey, xln, fine grained, traces of ls.

Shale, lt green to grey.
Limestone, cream-white, fxln, trace of gil flakes.

Shale, green.
Limestone, cream-white, xln, sl foss, sub chalky.

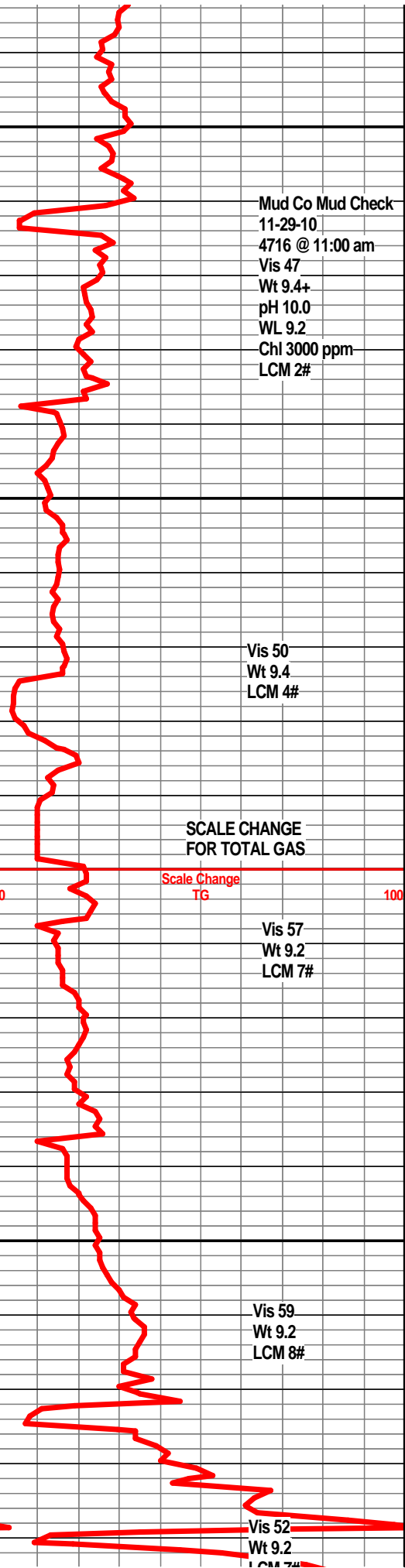
Shale, grey, dk grey, blk.

Shale, grey, dk grey, blk, trace pyrite.

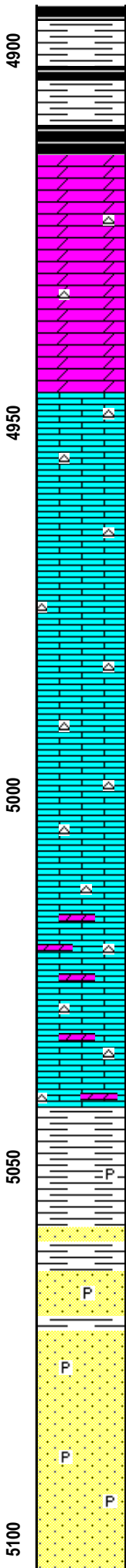
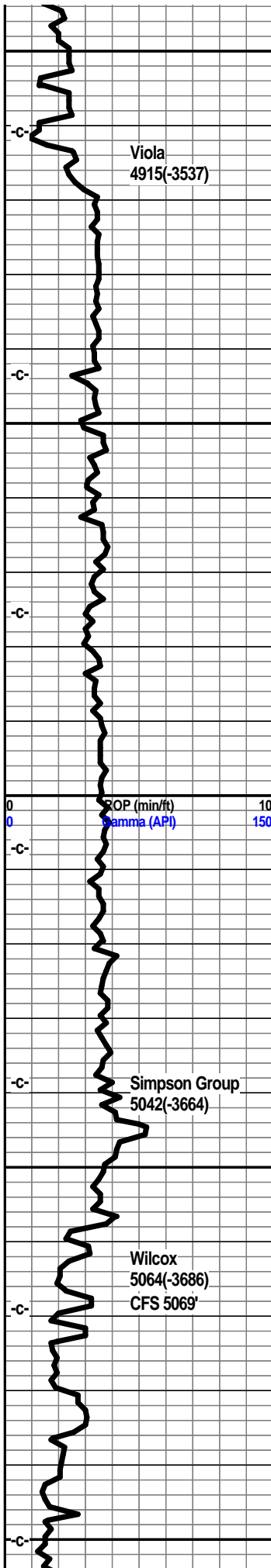
Shale, grey, blk.

Shale, grey, grey-brown, silty.

Shale, grey, dk grey, some lt coffee brown, silty, show gas, trace of pyrite.



Woodford
4890(-3512)



Shale, grey to dk grey-black, show of bleeding gas.

Shale, grey to a coffee-brown, silty, carb, show of bleeding gas.

Dolo, grey-white, xln, fine grained.

Dolo, grey-white, xln, fine grained, soft.

Limestone, white, off-white, xln, chalky.

Limestone, white, off-white, xln, sub-chalky, some white to tan-white cherts.

Limestone, xln, dense, chalky, tan-white cherts, sharp.

Limestone, off-white to tan-white, xln, sub chalky, tan cherts, sharp.

Limestone, tan-white, xln, dense, sub chalky, tan cherts.

Limestone, tan-white, xln, chalky, trace of tan chert, sharp.

Limestone, tan, tan-white, xln, dolo in part, sub chalky, tan to tan-grey cherts, sharp.

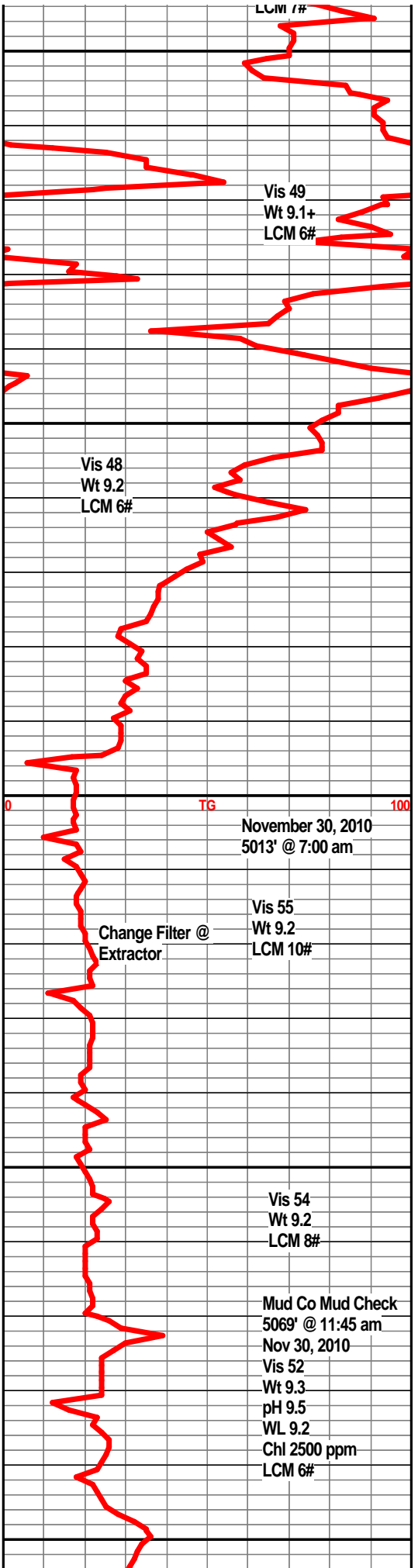
Limestone, tan-white, xln, dolo in part, sandy texture, tan cherts.

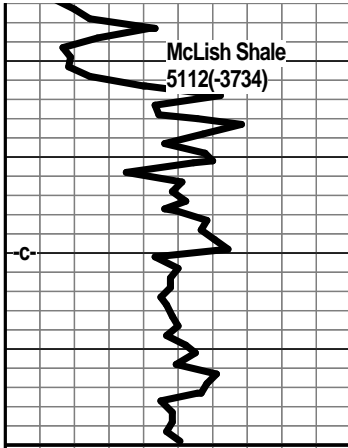
Shale, pale green, dk green, traces of pyrite, some interbedded sand grains.

Sst, clear to tan, poorly sorted, sa to sr, some loose sand grains in sample tray, some well cemented clusters, dirty in appearance, no visible shows.

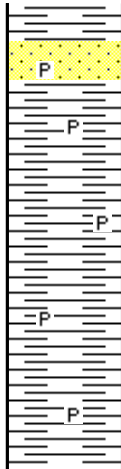
Sst. clear to white, sa, fair sorting, some well cemented, friable in part, sl pyritic, glauc flakes, very faint show of gas bubbles, no odor, very faint scattered show of oil, no fluor.

Sst, clear to white, sa, fair sorting, friable in part, glauc flakes, pyritic in part, no odor, no fluor., no visible shows.





5150

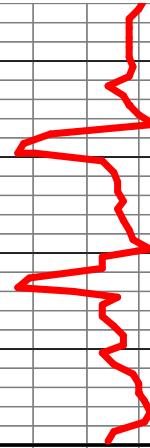


Shale, dk green, waxy, traces of imbedded sand grains.
Sst, clear to white, sa, fair sorting, friable in part, glauc flakes, no odor, shaley in part, no visible shows.

Shale, grey-green, trace pyrite, few scattered sand stringers.

Shale, grey-green, trace pyrite.

Shale, grey-green, firm.



Vis 62
Wt 9.2

RTD 5150' @
5:07 pm

LTD 5151'

ROP (min/ft) 10
Gamma (API) 150

5200

TG 100

5250

00