



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: _____



1065885

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
<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: 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
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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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ALLIED CEMENTING CO., LLC. 040653

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Melrose Lodge

DATE <u>2-24-11</u>	SEC. <u>13</u>	TWP. <u>34s</u>	RANGE <u>12w</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30am</u>	JOB FINISH <u>3:30am</u>
LEASE <u>Hochberg</u>	WELL # <u>60 #2</u>		LOCATION <u>Mel. Lodge 145, w into</u>		COUNTY <u>Barker</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>H-2 Drilling</u> TYPE OF JOB <u>Surface</u> HOLE SIZE <u>14 3/4</u> T.D. <u>212'</u> CASING SIZE <u>10 3/4</u> DEPTH <u>200'</u> TUBING SIZE _____ DEPTH _____ DRILL PIPE _____ DEPTH _____ TOOL _____ DEPTH _____ PRES. MAX _____ MINIMUM _____ MEAS. LINE _____ SHOE JOINT _____ CEMENT LEFT IN CSG. <u>20'</u> PERFS. _____ DISPLACEMENT <u>19 bbls H₂O</u>	OWNER <u>Woolsey operating</u> CEMENT AMOUNT ORDERED <u>230 sk class A + 2' lead + 3% a</u> COMMON <u>A</u> <u>230 sk</u> @ <u>15.45</u> <u>3553.50</u> POZMIX _____ @ _____ GEL <u>5 sk</u> @ <u>20⁰⁰</u> <u>104⁰⁰</u> CHLORIDE <u>8 sk</u> @ <u>58.20</u> <u>465.60</u> ASC _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ HANDLING <u>243</u> @ <u>2.40</u> <u>583.20</u> MILEAGE <u>243/10/15</u> <u>364.50</u> TOTAL 5070.80
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WELL FILE
Regulatory Correspondence
 (Drig) Comp Workovers
 Tests / Meters Operations

EQUIPMENT

PUMP TRUCK CEMENTER Matt Thimmesch
 # 471/265 HELPER Jason Thimmesch
 BULK TRUCK # 364 DRIVER Raymond R
 BULK TRUCK # _____ DRIVER _____

REMARKS:

Bk circulation with Rig
Pump 3H₂O ahead
MR 230 sk cement
Disp 19 bbls H₂O shut in.
cement did circulate.

SERVICE

DEPTH OF JOB 200'
 PUMP TRUCK CHARGE 1018⁰⁰
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 15 @ 7⁰⁰ 105⁰⁰
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL 1123⁰⁰

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

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

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 1123⁰⁰
 DISCOUNT _____ IF PAID IN 30 DAYS
0.00

PRINTED NAME MIKE FLORP
 SIGNATURE Mike Florp

ALLIED CEMENTING CO., LLC. 040041

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS

Harbaugh

DATE <u>3-5-2011</u>	SEC. <u>13</u>	TWP. <u>34S</u>	RANGE <u>12W</u>	CALLED OUT <u>3:00 AM</u>	ON LOCATION <u>5:00 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>10:00 AM</u>
Harboosh		WELL # <u>2</u>	LOCATION <u>Medicine Lodge KS</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>
LEASE <u>GO</u>			OLD OR <u>NEW</u> (Circle one)				<u>14 South Wintro</u>

CONTRACTOR H2 #3

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 5240'

CASING SIZE 4 1/2 DEPTH 5138'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42'

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 8 1/2 bbls OR 2% KCL W/ Wt

OWNER Woolsey Operating

CEMENT

AMOUNT ORDERED 75 gal 60% 40% 4% 6 gal

200s Class H + 10% Gyp + 10% SSC

6# Kolseal 1, 8% Fl 160 + 1/4 # Flaseal

99915 Clapro

COMMON <u>A</u>	<u>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		@	
<u>H</u>	<u>200 sx</u>	@ <u>16.75</u>	<u>3350.00</u>
<u>Gypseal</u>	<u>19 sx</u>	@ <u>29.20</u>	<u>554.80</u>
<u>Split</u>	<u>22 sx</u>	@ <u>12.00</u>	<u>264.00</u>
<u>Kolseal</u>	<u>1200 #</u>	@ <u>.89</u>	<u>1068.00</u>
<u>Fl-160</u>	<u>150.4</u>	@ <u>13.30</u>	<u>2000.32</u>
<u>Floceal</u>	<u>50 #</u>	@ <u>2.50</u>	<u>125.00</u>
<u>Clapro</u>	<u>8 Gal</u>	@ <u>31.25</u>	<u>250.00</u>
		@	
HANDLING	<u>348</u>	@ <u>2.40</u>	<u>835.20</u>
MILEAGE	<u>348/10/15</u>		<u>522.00</u>
TOTAL			<u>9966.97</u>

EQUIPMENT

PUMP TRUCK CEMENTER Derin F

414-302 HELPER Ron G

BULK TRUCK

363-290 DRIVER Bobby W

BULK TRUCK

_____ DRIVER _____

WELL FILE

Regulatory Correspondence _____

Drig Comp Workovers _____

REMARKS _____

Pipe on bottom break circulation

mix 25% cement for patch hole, mix 50%

SCS unger cement, mix 200s + 91 cement

Shut down, wash pump lines, Release

plug, start displacement, lift pressure

at 45 bbls, slow rate to 3 bpm on

75 bbls, bump plug at 8 1/2 bbls

800-1500 PSI, float did hold

SERVICE

DEPTH OF JOB	<u>5138'</u>		
PUMP TRUCK CHARGE	<u>2185.00</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>15</u>	@ <u>7.00</u>	<u>105.00</u>
MANIFOLD		@	
	<u>Hesdron 91</u>	@	<u>100.00</u>
		@	
TOTAL			<u>2390.00</u>

CHARGE TO: Woolsey Operating

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u>			
<u>1-DFV Float shoe</u>	@		<u>214.20</u>
<u>1-atchdown plug</u>	@		<u>163.80</u>
<u>12-Turbolizers</u>	@ <u>40.60</u>		<u>487.20</u>
<u>20-screens</u>	@ <u>23.94</u>		<u>478.80</u>
	@		
TOTAL			<u>1344.00</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 ~~2390.00~~

DISCOUNT ~~200~~ IF PAID IN 30 DAYS

~~2190.00~~

PRINTED NAME X MIRE THARP

SIGNATURE X Mire Tharp

Thank you!!!



DRILL STEM TEST REPORT

Woolsey Operating Company

Harbaugh GU #2

125 North Market Suite 100
Wichita Kansas 67202+1729

13/34S/12W Barber

Job Ticket: 15661

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.03.02 @ 07:50:00

GENERAL INFORMATION:

Formation: **Cherokee-Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:10:00

Time Test Ended: 18:01:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Pratt/104

Interval: 4617.00 ft (KB) To 4710.00 ft (KB) (TVD)

Reference Elevations: 1441.00 ft (KB)

Total Depth: 4710.00 ft (KB) (TVD)

1432.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8405

Inside

Press @ Run Depth: 910.56 psia @ 4706.44 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.03.02

End Date: 2011.03.02

Last Calib.: 2011.03.02

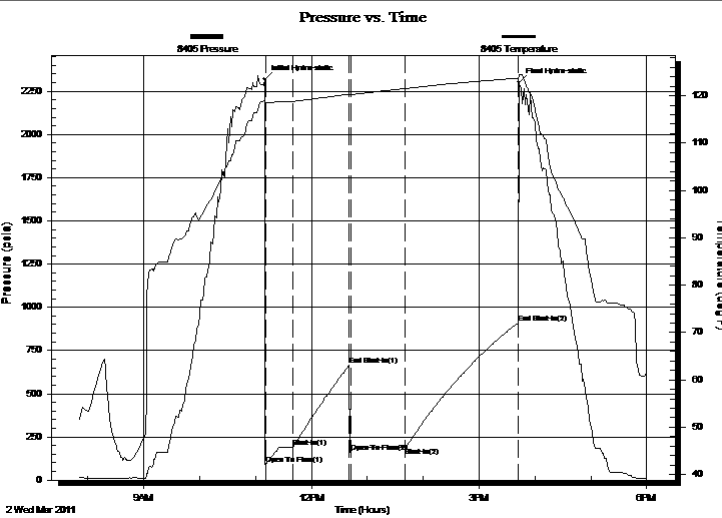
Start Time: 07:50:00

End Time: 18:00:51

Time On Btm: 2011.03.02 @ 11:09:21

Time Off Btm: 2011.03.02 @ 15:42:51

TEST COMMENT: 1ST Opening 30 Minutes fair blow /blow built to 11 inches into bucket of water
 1ST Shut-In 60 Minutes no bow back
 2ND Opening 60 Minutes good blow /blow blew bottom of bucket in 3 minutes
 2ND Shut-In 120 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2319.85	118.83	Initial Hydro-static
1	89.47	118.49	Open To Flow (1)
31	188.01	118.80	Shut-In(1)
91	663.52	120.34	End Shut-In(1)
93	161.38	120.24	Open To Flow (2)
152	188.46	121.52	Shut-In(2)
273	910.56	123.68	End Shut-In(2)
274	2302.02	124.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
295.00	Mud 100%	1.54

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Company

Harbaugh GU #2

125 North Market Suite 100
Wichita Kansas 67202+1729

13/34S/12W Barber

Job Ticket: 15661

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.03.02 @ 07:50:00

Tool Information

Drill Pipe:	Length: 4333.00 ft	Diameter: 3.80 inches	Volume: 60.78 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 285.44 ft	Diameter: 2.25 inches	Volume: 1.40 bbl	Weight to Pull Loose: 7000.00 lb
			<u>Total Volume: 62.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.44 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4617.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.44 ft			
Tool Length:	121.44 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4594.00	
Hydraulic Tool	5.00			4599.00	
Jars	6.00			4605.00	
Safety Joint	2.00			4607.00	
Packer	5.00			4612.00	28.00 Bottom Of Top Packer
Packer	5.00			4617.00	
Perforations	5.00			4622.00	
Change Over Sub	0.75			4622.75	
Drill Pipe	63.94			4686.69	
Change Over Sub	0.75			4687.44	
Perforations	18.00			4705.44	
Recorder	1.00	8405	Inside	4706.44	
Recorder	1.00	8400	Outside	4707.44	
Bull Plug	3.00			4710.44	93.44 Bottom Packers & Anchor

Total Tool Length: 121.44



DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

Harbaugh GU #2

125 North Market Suite 100
Wichita Kansas 67202+1729

13/34S/12W Barber

Job Ticket: 15661

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.03.02 @ 07:50:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
295.00	Mud 100%	1.538

Total Length: 295.00 ft Total Volume: 1.538 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

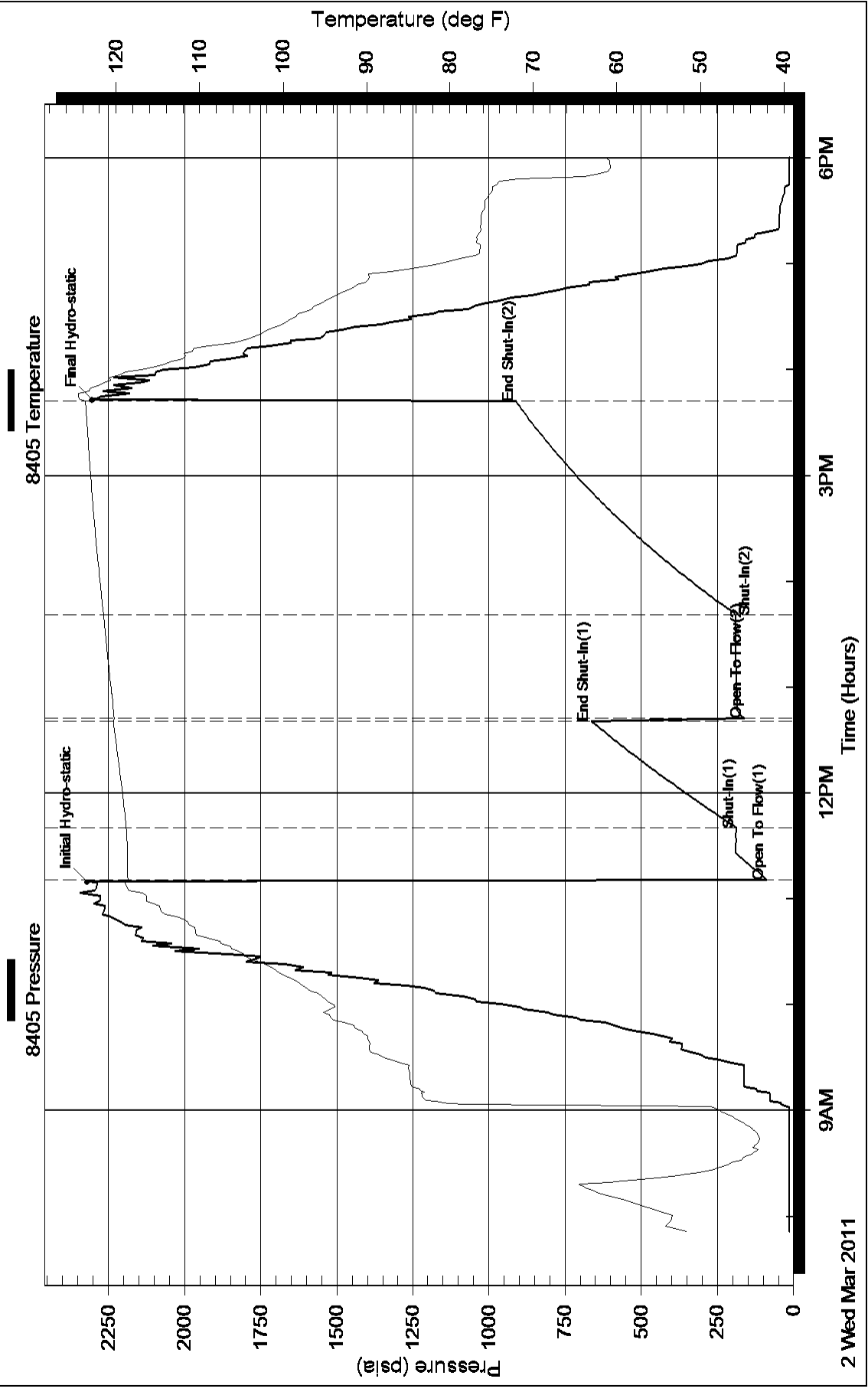
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Harbaugh GU #2
Location: W/2 SE SE SE
License Number: API: 15-007-23660-00-00
Spud Date: February 23, 2011
Surface Coordinates: 330' FSL, 430' FEL Section 13-Twp 34 South - Rge 12 West
Rhodes South Pool
Bottom Hole Vertical Hole
Coordinates:
Ground Elevation (ft): 1432 K.B. Elevation (ft): 1441
Logged Interval (ft): 4000 To: 5240 Total Depth (ft): 5240
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3410'

Region: Barber County, Kansas

Drilling Completed: March 4, 2011

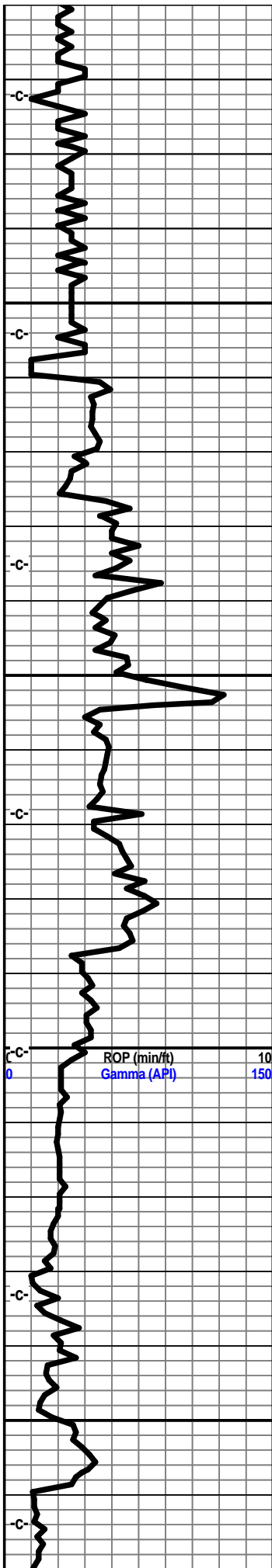
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

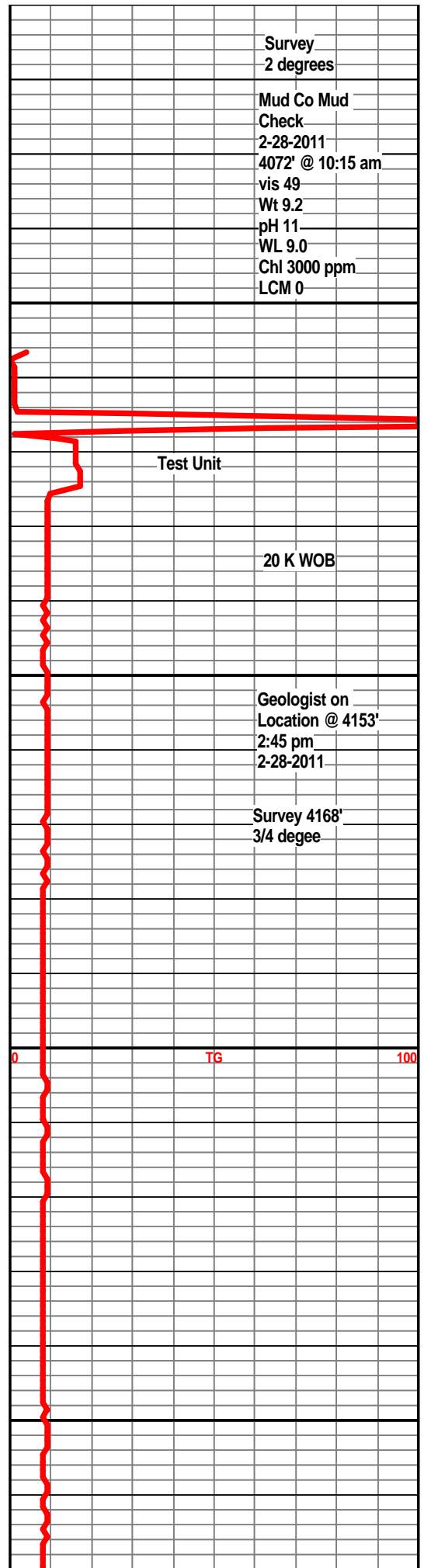
Company: Woolsey Operating Company, LLC
Address: 125 N. Market, Suite 1000
Wichita, KS 67202

GEOLOGIST

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



4100
4150
4200
4250

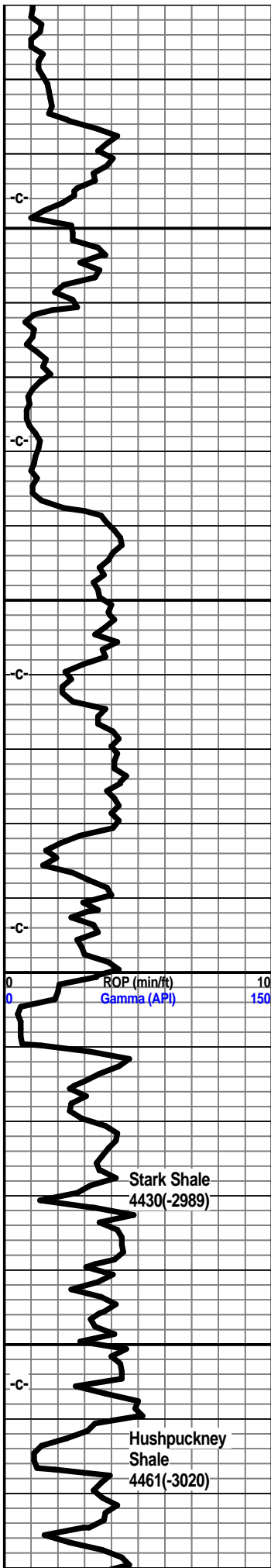


Survey
2 degrees

Mud Co Mud
Check
2-28-2011
4072' @ 10:15 am
vis 49
Wt 9.2
pH 11
WL 9.0
Chl 3000 ppm
LCM 0

Geologist on Location @ 4153'
2:45 pm
2-28-2011

Survey 4168'
3/4 degee

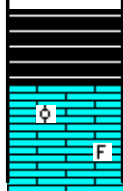


4300

4350

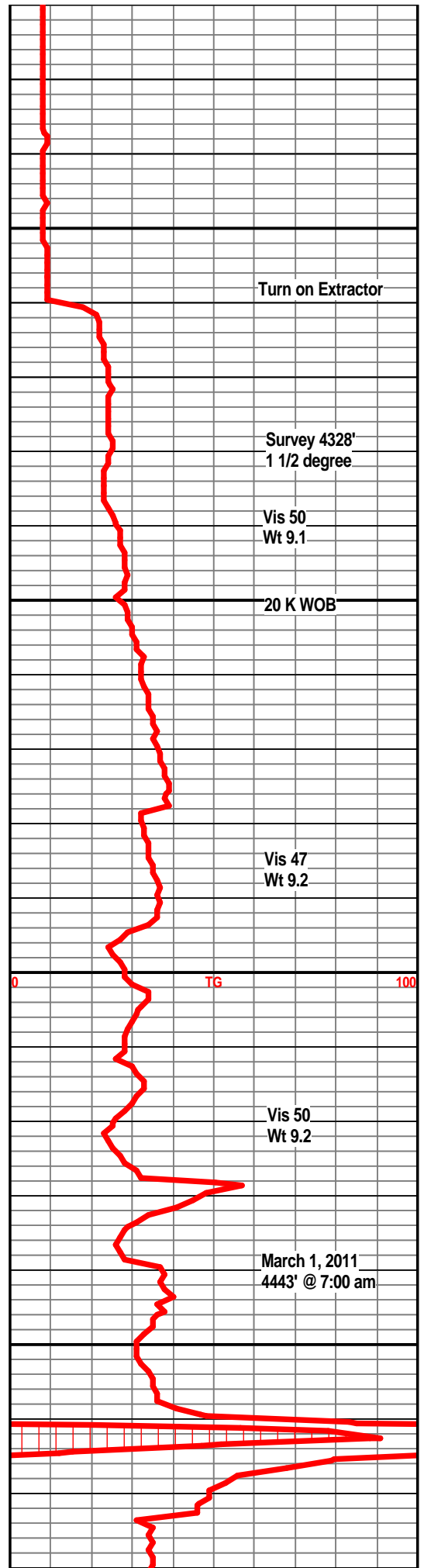
4400

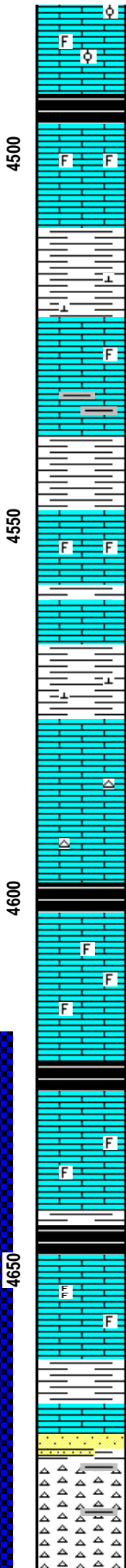
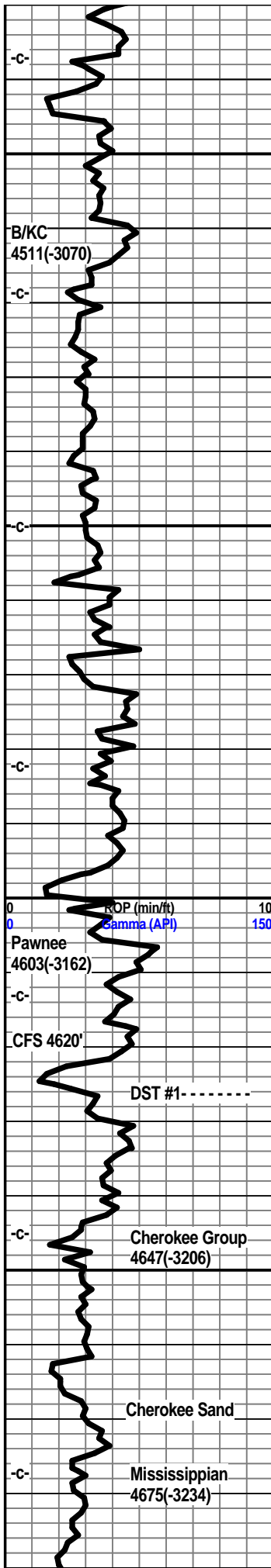
4450



Shale, grey, black, carb, slight show gas.

Limestone, cream-tan, fxln, foss frags, slightly





chalky, sl. ool.

Shale, grey-black, sl. carb.

Limestone, tan-white, fmxln, dense, trace of foss frags, trace of pyrite.

Shale, light grey, calcitic.

Limestone, cream-white, tan, fxln, slightly foss.

Limestone, tan-white, buff, fxln, dense, slightly chalky, trace foss., slightly shaley.

Shale, light grey

Limestone, cream-white, some tan-brown, xln, dense, slightly chalky, foss in part

Shale, grey, green.

Limestone, tan-white, xln, dense, slightly chalky.

Shale, grey, dark grey, grey-green, calcitic.

Limestone, cream-tan, fxln, partly dense, foss. in part, traces of tan cherts.

Limestone, tan, cream-white, fxln, foss. in part, trace chalky ls., trace tan chert.

Shale, grey-black, slightly carb.

Limestone, cream-white, xln, foss. trace of foss porosity, trace of pin point porosity, slightly chalky, very dull light fluor., no odor, no visible shows of oil or gas.

Shale, grey-black, carb.

Limestone, cream-white, buff, xln, trace foss, slightly chlaky.

Shale, dark grey, black

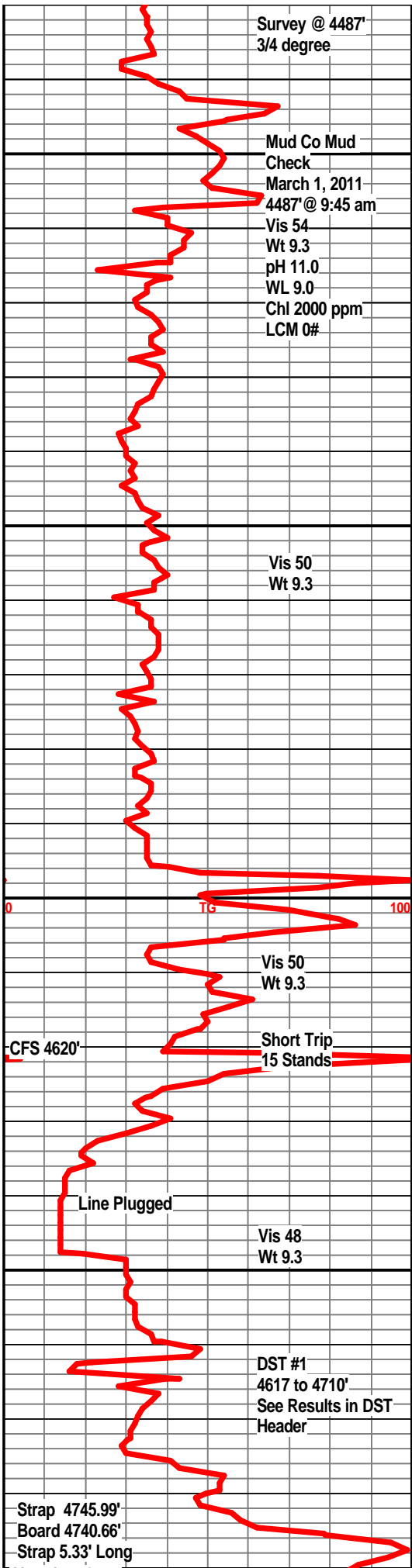
Limestone, tan-white, xln, slightly foss, shaley in part.

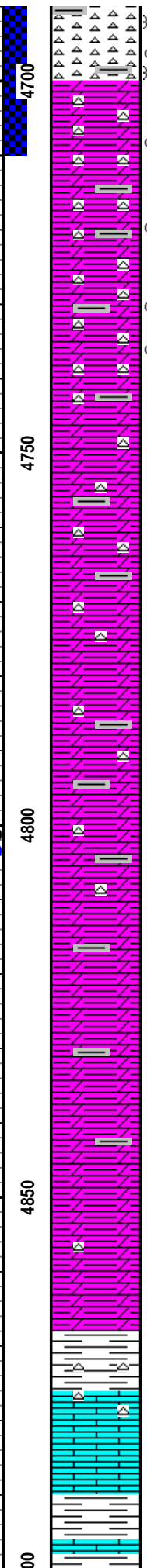
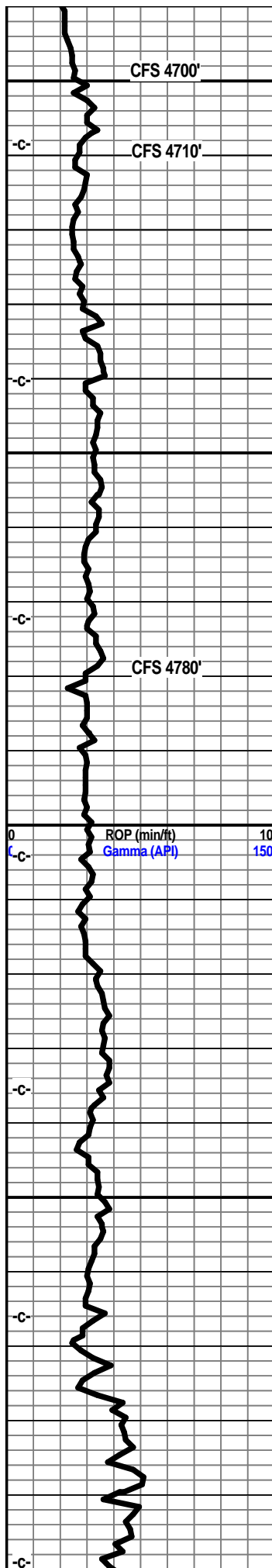
Shale, dark grey, trace black.

Limestone, cream-tan, xln, slightly foss.

Shale, grey-green, trace few sand clusters, with slight staining, ques., show gas bubbles, friable, fn grained.

Chert, off-white, tan-white, slightly weathered, trace pin point porosity, some scattered light brown staining. shaley in part. dull fluor. very





Chert, off-white to tan-white, increased weathering, light brown staining, very slight show oil.

Dolo. grey-brown, very cherty, some weathered with light brown staining, fresh, sharp, dark grey shales.

Dolo, grey-white, abundant weathered cherts, light brown staining on cherts, traces of pin point porosity, no odor, dull fluor, some grey splintery shales.

Dolo, grey-white, weathered cherts, some sharp cherts, light brown staining on weathered cherts, traces of pin point porosity, increasing amounts of grey-green splintery shales, no odor, very dull fluor.

Dolo, grey-white, xln, traces of weathered cherts, very slight light brown staining, no odor, grey splintery shales.

Dolo, grey, light grey, xln, trace of chert, increasing shales, no odor, no visible shows.

Dolo, grey, light grey, abundant grey and tan-grey shales, still a very slight trace of weathered chert, no visible shows.

Dolo, light grey, grey, xln, traces of fresh chert, traces of weathered chert, some very slight light brown staining, grey shales.

Dolo, light grey, xln, traces of fresh chert, grey splintery shales.

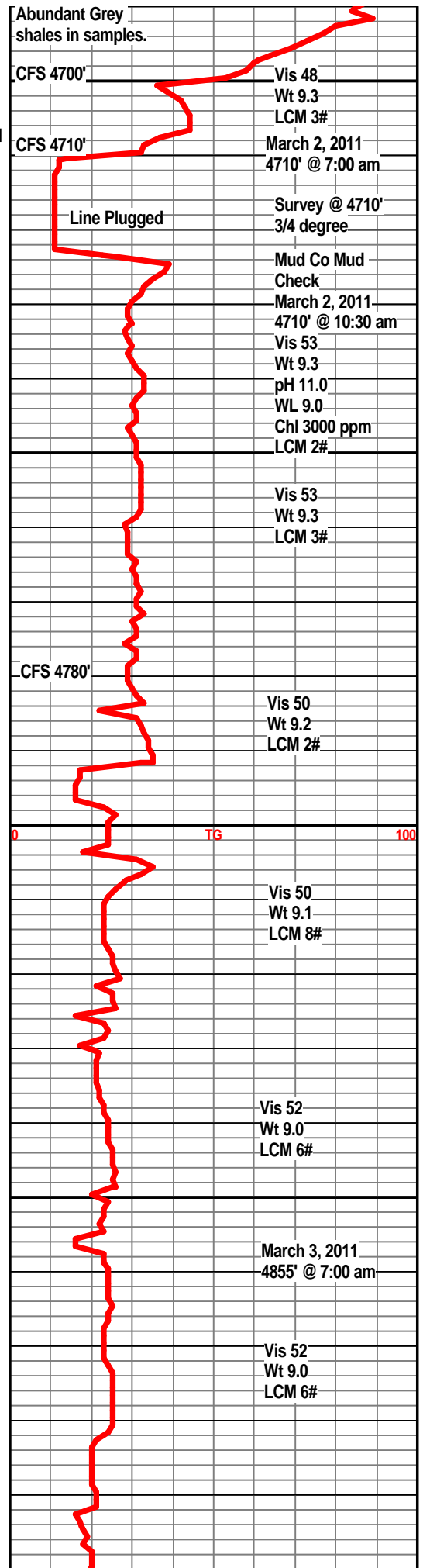
Dolo, grey to light grey, some tan-grey, xln, light grey shales.

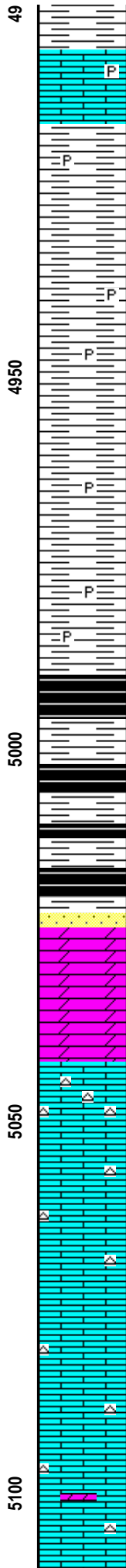
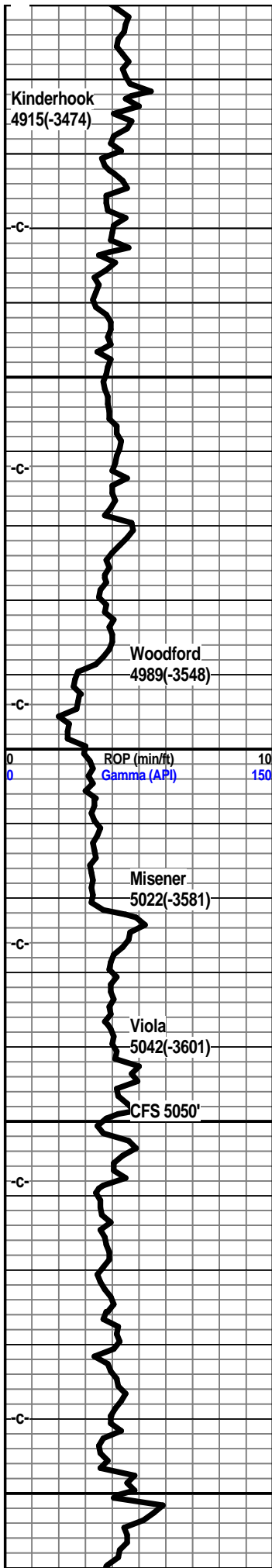
Dolo, tan-grey, xln, light grey shales.

Dolo, tan-grey, xln, grey silty shales.

Dolo, tan-white, light grey, xln, grey-green silty splintery shales.

Limestone, cream-white, xln, trace gil., off-white sharp cherts.





Shale, green-grey, firm.

Limestone, cream-white, xln, cherty in part, chalky, trace of foss.

Shale, dk grey, silty, trace of pyrite.

Shale, grey, dk grey, silty, traces of pyrite.

Shale, grey, dk grey, pyritic.

Shale, grey-black, carb, slight show gas bubbles.

Shale, dark grey, black, slightly carb.

Shale, dark grey, black.

Sandstone, grey to clear, dirty, sa to sr fair sorting, well cemented, no odor, dull scattered fluor. in part, slight show of gas bubbles, light show scummy oil.

Dolo, tan-grey, some lt brownish-red, xln, silty, few imbedded sand grains.

Dolo, light grey, xln, fine grained, some soft.

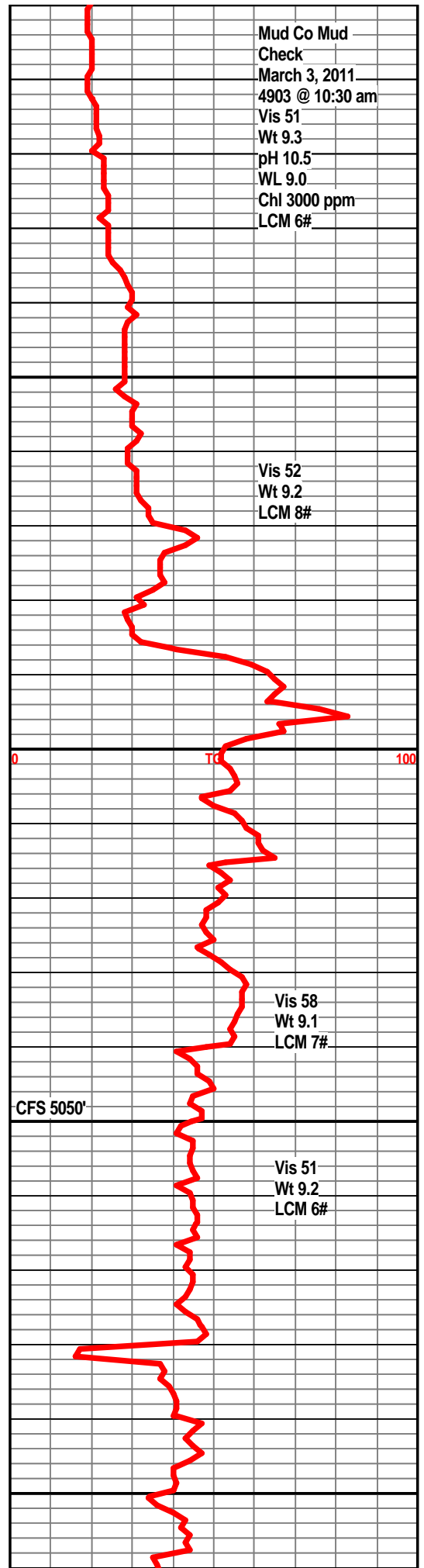
Limestone, cream-white, xln, slightly succ. texture in part, slightly dolo, off-white foss. cherts, very slight fluor., no odor, no shows.

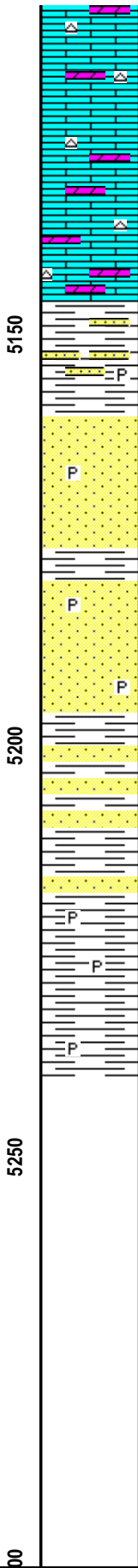
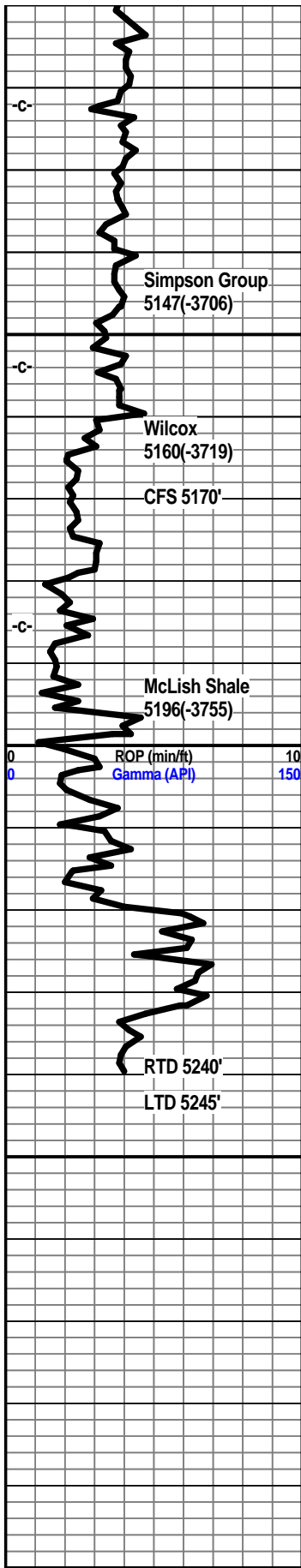
Limestone, cream, tan-white, xln, dense, slightly succ. in texture, traces of chalky ls, some tan cherts.

Limestone, tan-white, fxln, cherty in part, slightly chalky.

Limestone, tan-white, cream, xln, dense, slightly chalky, traces of dark green firm shales, slightly dolomitic in part, tan cherts, sharp.

Limestone, tan-white, xln, dolomitic, granular





Limestone, tan white, xln, dolomitic, granular texture, dark green firm shales, tan cherts.

Limestone, tan-white, xln, dolomitic, tan cherts, some pale green firm shale.

Shale, pale green, traces of pyrite, sand stringers.

Sandstone, grey, clear to frosted quartz grains, SA to SR, friable in part, some well cemented, well sorted, traces of pyrite, some interbedded soft pale green shales, questionable lt staining, no visible shows, loose grains in tray.

Shale, dark green, firm, traces of pyrite.

Sandstone, clear to white, trace of dirty grey, sa to sr qtz grains, fair sorting, well cemented, some friable, trace pyrite inclusions, glauc., no visible shows.

Shale, green, dark green, firm.

Sandstone, clear to white qtz grains, fair sorting, interbedded shale stringers, no visible shows.

Shale, green, dark green, firm.

Sandstone, clear to grey-white qtz grains, friable in part, some well cemented, fair sorting, gil, glauc., shaley in part, no visible shows.

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

