



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: _____



1065065

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 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	SPICER GU C 4
Doc ID	1065065

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	4970-4980 SIMPSON	500 GAL 7 1/2% MIRA	4970-4980
		4000 GAL 10% NEFE acid	4970-4980
		CIBP	4960
4	4534-4566 MISSISSIPPIAN	4800 GAL 10% MIRA acid	4534-4640 OA
2	4580-4640 MISSISSIPPIAN	369,100 GAL TREATED 2% KCL WTR, 110,100# 30/70	
		SD, 48,400# 16/30 SD & 12,000#16/30 SD	4534-4640 OA

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

October 11, 2011

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

Re: ACO1
API 15-007-23715-00-00
SPICER GU C 4
SE/4 Sec.28-33S-10W
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. 040731

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Medicine

DATE <u>6-22-11</u>	SEC. <u>28</u>	TWP. <u>33S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30am</u>	JOB FINISH <u>10:30am</u>
LEASE <u>Spicer BU</u>		WELL # <u>4</u>		LOCATION <u>Sharon, KS, S to Kahrak Rd</u>		COUNTY <u>Rawl</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>7/8w, 11/16w</u>			

CONTRACTOR H-2 R.B.#3

OWNER Leboley Operating

TYPE OF JOB Production

HOLE SIZE <u>7 7/8</u>	T.D. <u>5065'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>5059'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1700 psi</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>39'</u>
CEMENT LEFT IN CSG. <u>39'</u>	
PERFS.	
DISPLACEMENT <u>120 1/2 bbls 2% KCL</u>	

CEMENT
AMOUNT ORDERED 75 sx 60:40:40; 1476 gal
120 sx class H + 10% gap + 10% salt + 6% head
+ 8% FI-160 + 1/4" # Flo seal

EQUIPMENT

PUMP TRUCK # <u>320215</u>	CEMENTER <u>Mark Threshch</u>
BULK TRUCK # <u>4211290</u>	HELPER <u>Jason Threshch</u>
BULK TRUCK # <u>4211290</u>	DRIVER <u>Wendy W (G.S.)</u>
BULK TRUCK #	DRIVER

COMMON <u>45</u> sx @ <u>16.25</u>	<u>731.25</u>
POZMIX <u>30</u> sx @ <u>8.50</u>	<u>255.00</u>
GEL <u>3</u> sx @ <u>21.25</u>	<u>63.75</u>
CHLORIDE @	
ASC @	
<u>Class H</u> <u>120</u> sx @ <u>19.25</u>	<u>2310.00</u>
<u>bypassal</u> <u>12</u> sx @ <u>34.20</u>	<u>410.40</u>
<u>Salt</u> <u>13</u> sx @ <u>12.00</u>	<u>156.00</u>
<u>Kalseal</u> <u>720</u> # @ <u>-89</u>	<u>640.80</u>
<u>FI-160</u> <u>90</u> # @ <u>17.20</u>	<u>1552.12</u>
<u>Clapro</u> <u>12</u> Gal @ <u>31.25</u>	<u>375.00</u>
	@
	@
HANDLING <u>240</u> @ <u>2.25</u>	<u>540.00</u>
MILEAGE <u>240/11/20</u>	<u>528.00</u>
TOTAL	<u>7561.92</u>

REMARKS:

Back wire with R13 pump ball through
MIR 25 sx for Rat hole
MIR loss scavenger MIR 120 sx cement
Shutdown with pump lines Release plug
Disp. 120 1/2 bbls 2% KCL bump plug 1000 psi
40/100 ps
plug held.

SERVICE

DEPTH OF JOB <u>5059'</u>	
PUMP TRUCK CHARGE	<u>2695.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>40</u> @ <u>7.00</u>	<u>280.00</u>
MANIFOLD @	
<u>Head Rental</u> @	<u>200.00</u>
<u>Light Vehicle</u> <u>40</u> @ <u>4.00</u>	<u>160.00</u>
TOTAL	<u>3335.00</u>

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

5 1/2 PLUG & FLOAT EQUIPMENT

<u>1-AFU guide shoe</u>	<u>349.00</u>
<u>1- 10 Latch-down Plug</u> @	<u>277.00</u>
<u>11- 10 12005</u> @ <u>80.00</u>	<u>880.00</u>
<u>28- sc catchers</u> @ <u>76.00</u>	<u>2128.00</u>
	@
	@
TOTAL	<u>3634.00</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 14,530.92
DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME MIKE TELARR

SIGNATURE Mike Telarr



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co
125 N market ste 1000
Wichita, KS 67202
ATTN: Scott Alberg

Spicer Gas Unit # 4
28-33S-10W Barber
Job Ticket: 042462 **DST#: 1**
Test Start: 2011.06.19 @ 08:01:53

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:36:53
Time Test Ended: 18:36:38
Interval: **4457.00 ft (KB) To 4565.00 ft (KB) (TVD)**
Total Depth: 4565.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 45
Reference Elevations: 1414.00 ft (KB)
1405.00 ft (CF)
KB to GR/CF: 9.00 ft

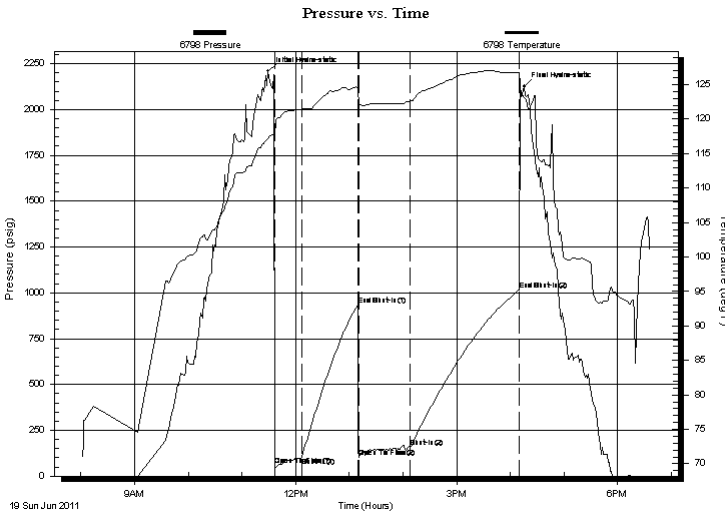
Serial #: 6798

Inside

Press @ Run Depth: 157.17 psig @ 4458.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.06.19 End Date: 2011.06.19 Last Calib.: 2011.06.19
Start Time: 08:01:54 End Time: 18:36:38 Time On Btm: 2011.06.19 @ 11:29:23
Time Off Btm: 2011.06.19 @ 16:15:38

TEST COMMENT: IF: Strong Blow , BOB in 3 minutes
IS: Bled Off , No Blow back
FF: Strong Blow , BOB in 30 seconds
FS: Bled Off , No Blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.26	117.17	Initial Hydro-static
8	56.72	117.45	Open To Flow (1)
38	101.91	121.45	Shut-In(1)
100	932.87	124.56	End Shut-In(1)
102	103.09	122.18	Open To Flow (2)
159	157.17	122.59	Shut-In(2)
281	1015.92	126.74	End Shut-In(2)
287	2124.91	123.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3860 feet GIP	0.00
60.00	Mud	0.30
300.00	GCM 20%G 80%M	1.93

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co
125 N market ste 1000
Wichita, KS 67202
ATTN: Scott Alberg

Spicer Gas Unit # 4
28-33S-10W Barber
Job Ticket: 042462 **DST#: 1**
Test Start: 2011.06.19 @ 08:01:53

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: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

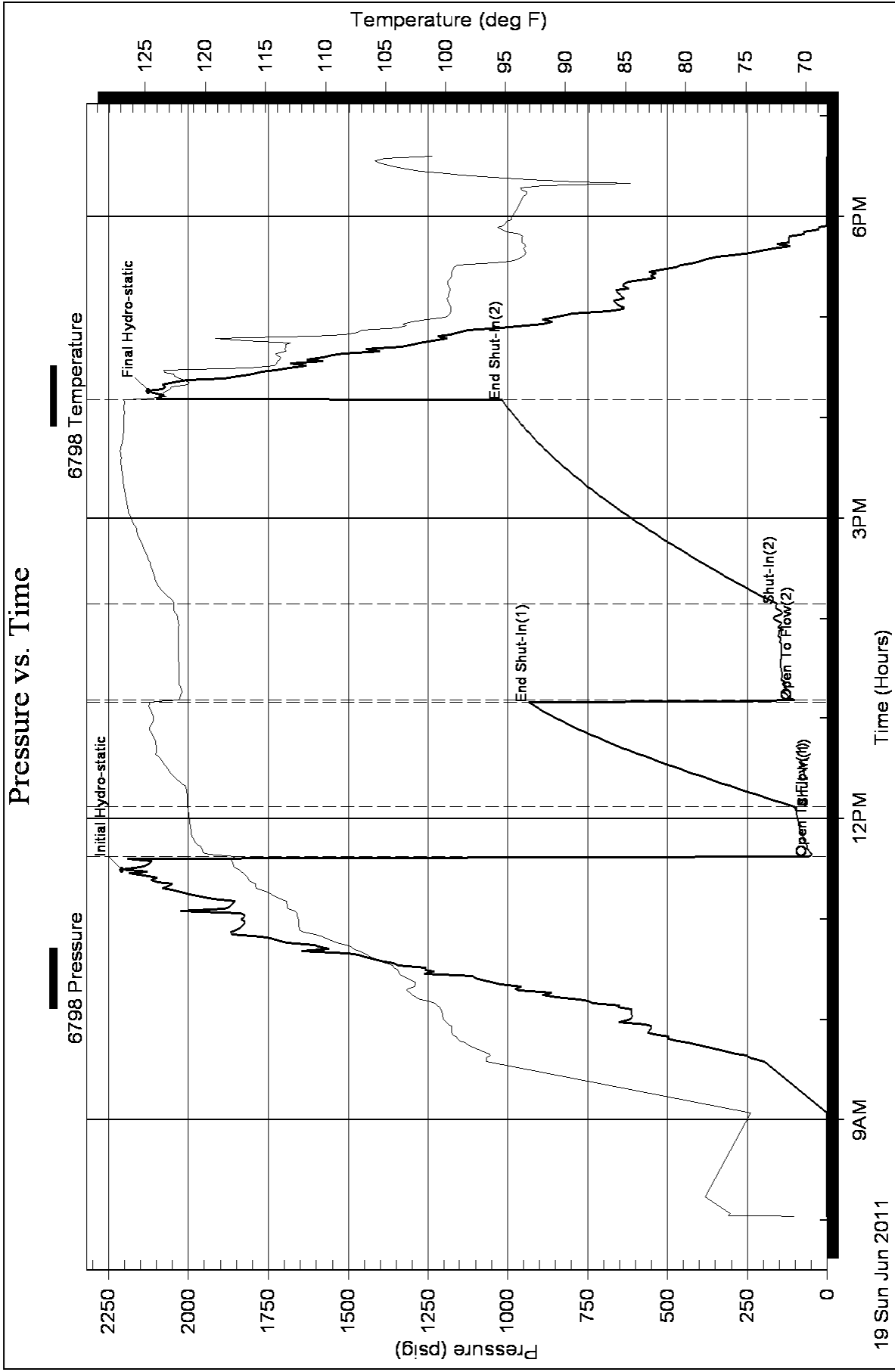
Length ft	Description	Volume bbl
0.00	3860 feet GIP	0.000
60.00	Mud	0.295
300.00	GCM 20%G 80%M	1.931

Total Length: 360.00 ft Total Volume: 2.226 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Spicer G.U. C #4
Location: Apx E/2 E/2 SW SE
License Number: API: 15-007-23715-00-00
Spud Date: June 13, 2011
Surface Coordinates: 660' FSL & 1340 FEL Section 28-Twp 33 South - Rge 10 West
Bottom Hole Coordinates: Vertical Hole
Ground Elevation (ft): 1405
Logged Interval (ft): 4000 To: RTD
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3390'

Region: Barber County, Kansas

Drilling Completed: June 22, 2011

K.B. Elevation (ft): 1414

Total Depth (ft): 5065'

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	4295(-2881)	4290(-2876)
B/KC	4350(-2936)	4346(-2932)
PAWNEE	4438(-3024)	4435(-3021)
CHEROKEE GROUP	4488(-3074)	4486(-3072)
MISSISSIPPIAN	4538(-3124)	4535(-3121)
KINDERHOOK SHALE	4752(-3338)	4754(-3340)
WOODFORD SHALE	4823(-3409)	4824(-3410)
VIOLA	4850(-3436)	4851(-3437)
SIMPSON GROUP	4949(-3535)	4948(-3534)
SIMPSON SAND	4952(-3538)	4951(-3537)
MCLISH SHALE	5029(-3615)	5026(-3612)
RTD	5065(-3651)	
LTD		5064(-3650)

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 215' with 240 sxs Class A, 2% gel, 3% cc, plug down at 10:45 pm on June 13, 2011. Cement did Circulate.

Production Casing: 5 1/2" Casing Ran.

Deviation Surveys: 3/4 - 220', 1 - 1225', 3/4 - 1729', 1 - 2262', 1/4 - 2765', 3/4 - 3263', 1/4 - 3735', 1 - 3861', 3/4 - 3989', 3/4 - 4113', 1 1/4 - 4565', 1 1/4 - 5065'.

Contractor Bit Record:

1- 14 3/4" out at 220'.

2- 7 7/8" out at 5065'.

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: Trilobite Testing, Inc

Logged by Superior Well Services

LTD - 5064'

DSTs

DST #1 4457 - 4565 Mississippian

Times 30-60-60-120

1st Opening BOB 3 minutes, no blow back

2nd Opening, BOB 20 Seconds, no blow back

Recovery: 3860' GIP

300' GCM (20% Gas, 80% Mud)

60' Mud

IHP 2208# FHP 2125#


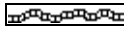
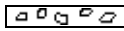
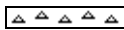
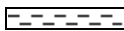








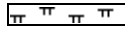

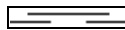







IFP 57-102 FFP 103-157

ISIP 933 FSIP 1016














































































CREWS

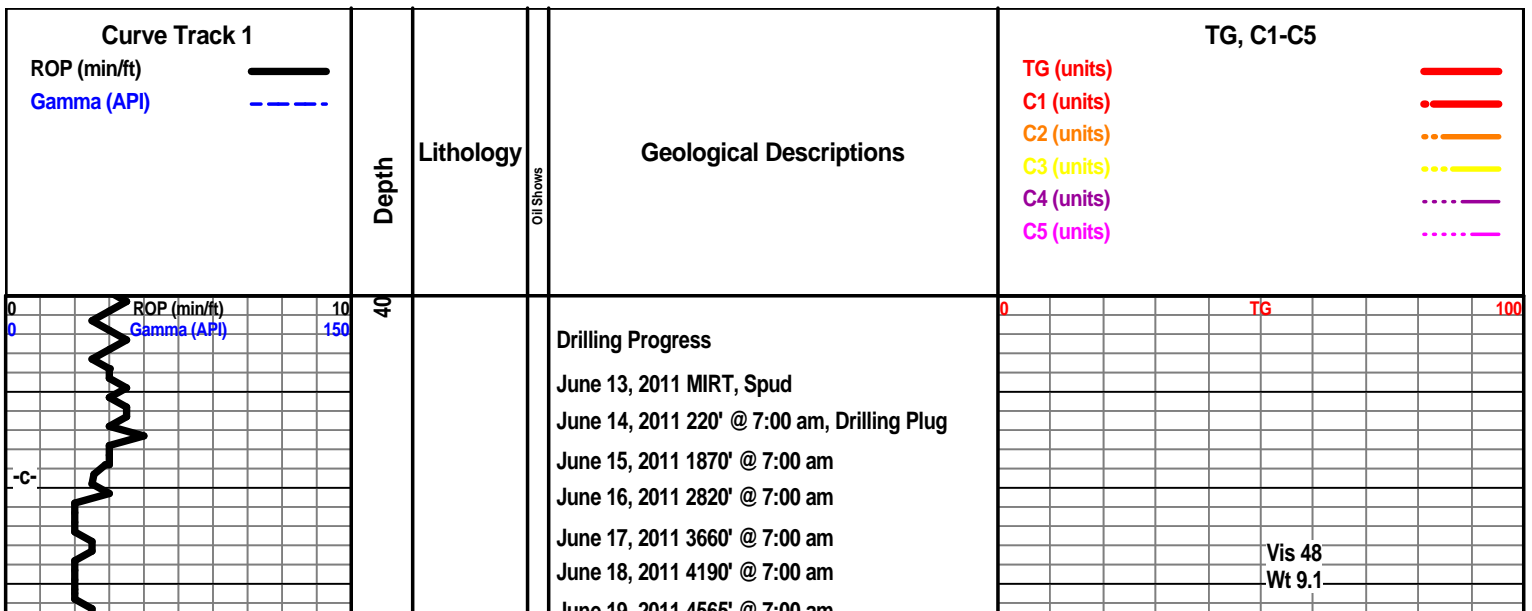
H2 Drilling Rig #3
 Tool Pusher - Randy Smith
 Drillers - Gary Axtell
 Luis Marquez
 Cain Charles

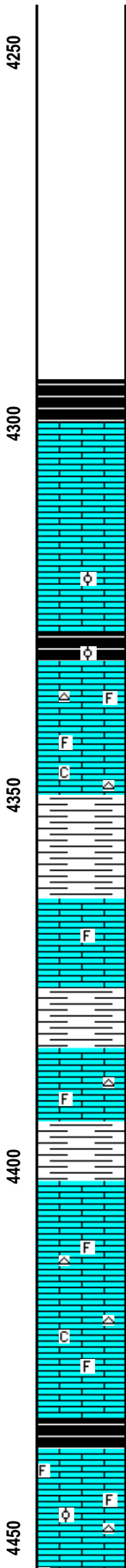
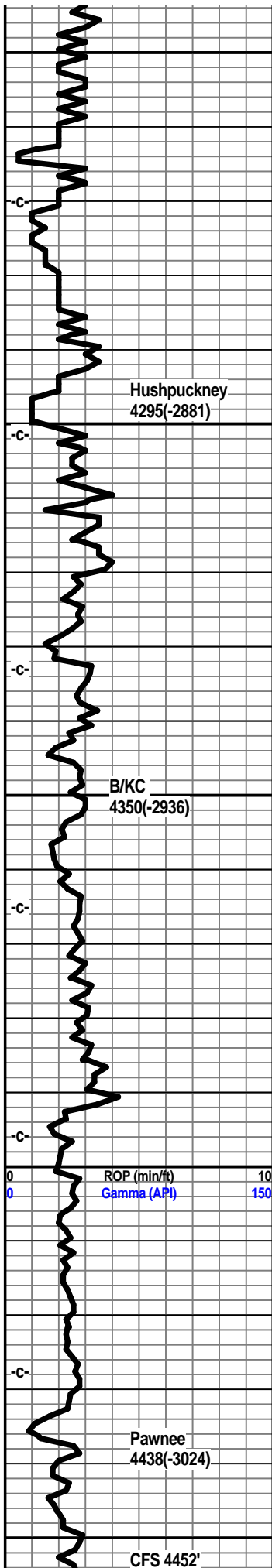
ROCK TYPES

 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  Shyslts  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  Sltly 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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Shale, grey-black, carb.

Limestone, cream, tan-brown, xln, subchalky, slightly oolitic, some fossil frags, no visible shows.

Shale, grey-black, carb

Limestone, tan, grey-white, xln, dense, trace foss, subchalky in part, trace of tan cherts.

Shale, light grey, green, silty texture.

Limestone, tan, light grey, xln, foss in part.

Shale, grey-green, slightly calcitic.

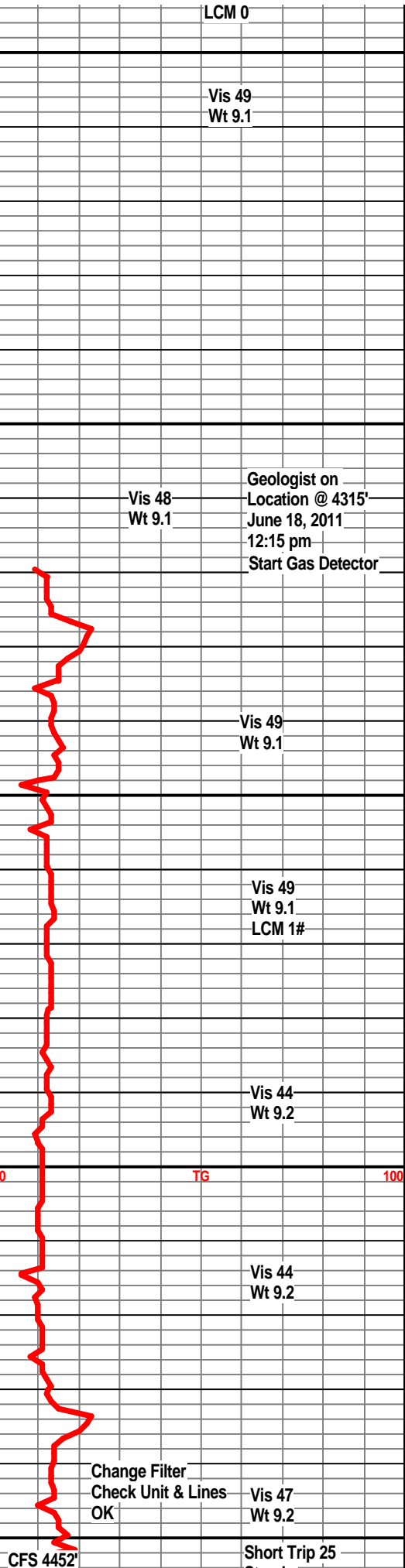
Limestone, cream, tan, xln, dense, slightly foss, trace chalky.

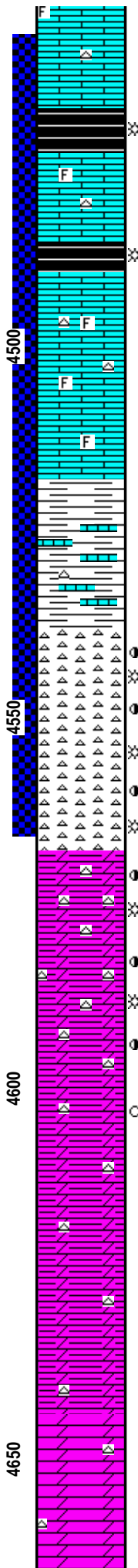
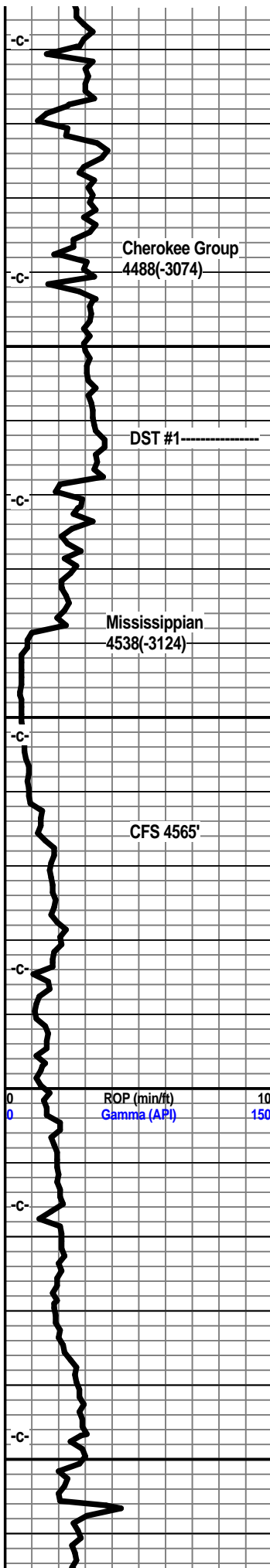
Shale, light grey.

Limestone, cream, tan-buff, xln, dense, traces of tan chert, slightly foss in part, subchalky in part.

Shale, grey-black, carb.

Limestone, cream-white, tan, xln, oolitic, trace xln porosity, no odor, no visible shows.





Limestone, cream-white, xln, dense, trace chert, slightly foss.

Shale, Grey-black, carb

Limestone, tan, tan-white, xln, dense, traces of tan chert. slightly foss.

Shale, grey-black, carb.

Limestone, tan, tan-brown, xln, dense, foss in part, trace of tan chert.

Limestone, grey-white, tan, xln, slightly foss, subchalky in part, traces of tan chert.

Shale, light grey-green.

Shale, light grey, some light grey dense limestone, traces of tan to white cherts.

Chert, off-white to tan, weathered in part, pp porosity, scattered small vugs, light brown staining, fair odor, show of free oil in tray, traces of bleeding gas, dull fluor.

Chert, white to off-white, weathered, pp porosity, scattered vug porosity, show of free oil, bleeding gas, fair odor, dull fluor., light brown spotty stain, some fresh white sharp chert.

Dolo, grey-white, tan-white, xln, weathered cherts, pp porosity, slight lt brown staining, slight show oil & gas, faint odor, fresh white to off-white chert, sharp, grey-green shales.

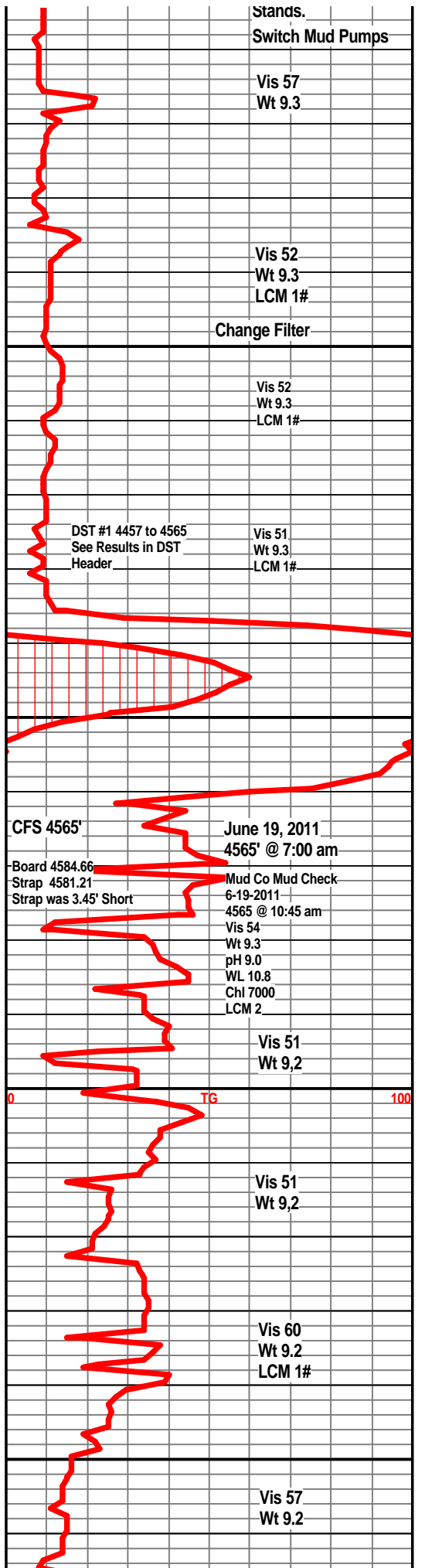
Dolo, grey-white to tan-white, xln, weathered chert with lt brown staining, scattered pp porosity, grey-green shales, sharp off-white cherts, scattered shows of oil & gas, dull fluor, faint odor.

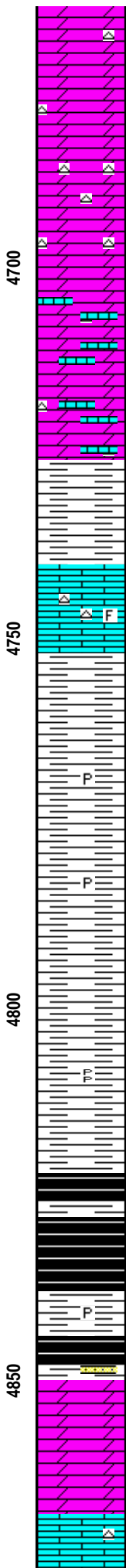
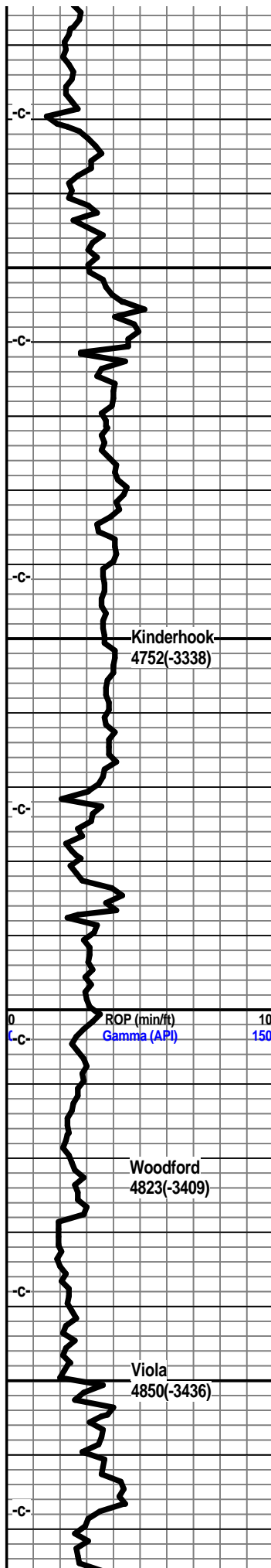
Dolo, grey-white, tan-white, xln, weathered chert, slight staining, scattered pp porosity, grey-green shales, some fresh sharp chert. decreasing amounts of staining.

Dolo, grey-white, tan, xln, off-white chert, few weathered, grey-green shales.

Dolo, grey-white, xln, off-white cherts, sharp, few weathered, grey-green splintery shales.

Dolo, grey-white, xln, sharp off-white chert, smaller amounts of shale.





Dolo, light grey, xln, fn grained, traces of off-white chert, small amount of grey-green shales.

Dolo, light grey, xln, off-white cherts, questionable staining, no odor, no visible shows.

Dolo, light grey-white, off-white cherts, grey-green shales, ls stringers, no visible shows.

Dolo, light grey, tan, xln, limestone, stringers, trace foss.

Shale, green, calcitic in part.

Limestone, cream, tan-white, xln, foss in part, subchalky, traces of chert.

Shale, grey-black, some silty, trace pyrite, traces of limestone fragments.

Shale, dark grey, grey-black, silty in part, trace of pyrite.

Shale, grey-black, carb.

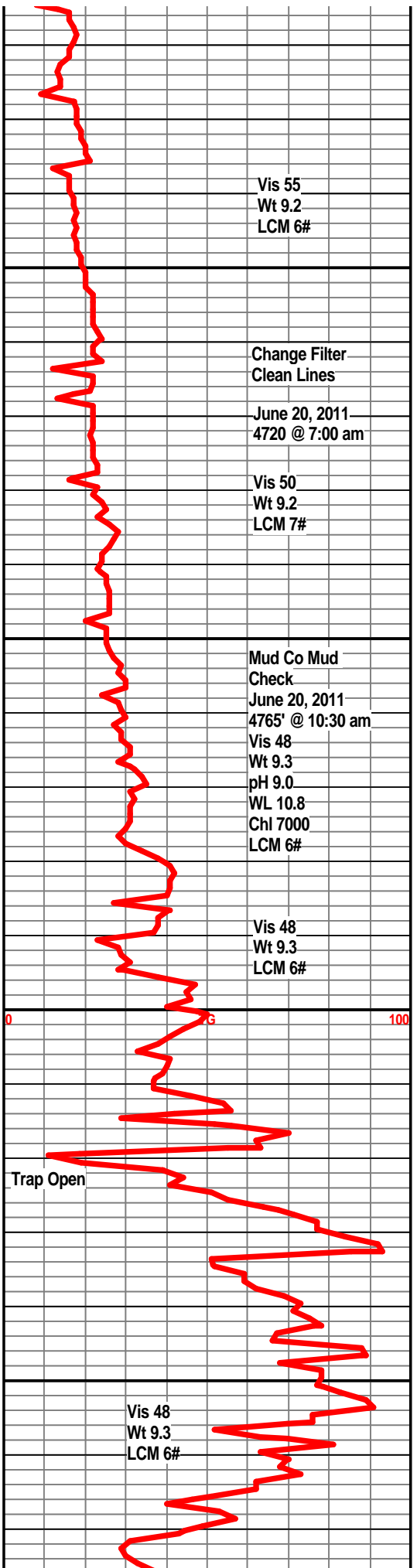
Shale, grey, dark grey-black, some coffee brown, carb

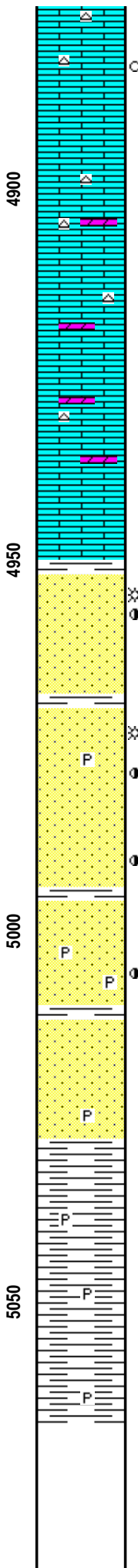
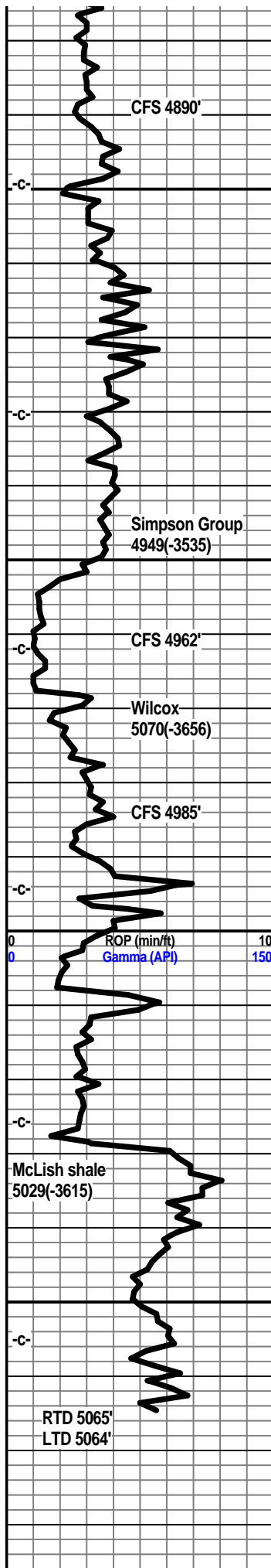
Trace sandstone,(very few clusters) no visible shows, dirty in appearance.

Dolo, light grey-white, xln, soft.

Dolo, Light grey, xln, soft.

Limestone, cream-white, tan-white, xln, trace of xln porosity, subchalky in part, off-white cherts, questionable scattered light stain on chert





Scattered light stain on surface.

Limestone, cream-white to tan, xln, traces of xln porosity, subchalky in part, traces of off-white chert, one piece had a very slight show of light oil under UV, another had some scattered vacant vugs with some very light staining, no odor, no gas indication.

Limestone, off-white to tan, xln, dense, tan sharp chert, slightly dolo in part.

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

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

Shale, dark grey-green.

Sandstone, clear to grey-white, SA to SR, slightly dolomitic, poor to fair sorting, friable in part, some well cemented, glauc, slight show oil under uv, very faint odor, slight gas indication.

Sandstone, grey-white to clear, SA to SR, well cemented, dolo in part, some friable, scattered show of light oil under uv light, very faint odor, gil, glauc, traces of pyrite, some interbedded shale stringers.

Sandstone, clear to white, SA to SR, fair sorting, dolo in part, friable in part, tite, slight staining, scattered light show oil, slight odor when clusters broken, scattered fluor., some green shale inclusions, traces of pyrite.

Sandstone, clear to white, SA to SR, fair sorting, cleaner, glauc, gil, friable in part, well cemented in part, shale inclusions, scattered light show oil, scattered fluor.,

Sandstone, clear to white frosted, SA to SR, some friable, some well cemented, fair sorting, gil, glauc, scattered show light oil, dull scattered fluor., traces of pyrite.

Shale, dark grey-green, trace of pyrite.

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

