



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

Well Name: Seifert #1-27
Location: Section 27 - 34S - 05W Harper County, Kansas
Licence Number: 15-077-21753-00-00
Spud Date: September 19, 2011
Surface Coordinates:
Region: Wildcat
Drilling Completed: September 27, 2011

Bottom Hole Coordinates:

Ground Elevation (ft): 1206' K.B. Elevation (ft): 1216'
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 5352'
Formation: Arbuckle
Type of Drilling Fluid: Chemical Polymer

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Shoreline Energy Partners, LLC.
Address: 453 S. Webb Road #100
Wichita KS, 67207

GEOLOGISTS

Name: Adam T. Kennedy
Company: Valhalla Exploration, LLC.
Address: 133 N. Glendale
Wichita, KS 67208

REMARKS

After review of the Geological Log, and Open Hole Log analysis, it was determined by the operator to run 5 1/2" production casing on the Seifert #1-27.

Shoreline Energy Partners, LLC.

DAILY DRILLING REPORT

Company: Shoreline Energy Partners, LLC
453 S. Webb Road #100
Wichita, KS

Contact: Hi Lewis Cell: 316-214-1738
Craig Parker Cell: 832-426-6146

Geologist: Adam T. Kennedy
Cell: 316.650.9677
Office: 316.558.5202

Drilling Contractor: Landmark Drilling Rig #6
Toolpusher: Allen Collins 620.617.6927

Well: Seifert #1-27
Location: 115' FNL & 150' FWL
Sec. 27 - 34S - 5W
Harper Co., KS

Elevation: 1206' GL - 1216' KB
Field: Wildcat

API: 15-077-21753-00-00
Surface Casing: 350' of 8 5/8" set @ 349' KB
Spud Date: 9.19.11
Drilling Complete: 9.27.11

DATE	7:00 AM DEPTH	PREVIOUS 24 HOURS OF OPERATIONS
9.22.11	3800'	Geologist, Adam T. Kennedy on location @ 1000 hrs 9.22.11. Check and fix gas detector, adjust depth, correlate and run back samples. Currently drilling ahead into the Kansas City. DMC: \$1,808.40 CMC: \$9,334.80.
9.23.11	4200'	Drilling and connections Kansas City. Down 3 hours to fix hole in drill pipe. Currently drilling ahead into Marmaton and Cherokee. DMC: \$3,351.45 CMC: \$12,686.25
9.24.11	4685'	Drilling and connections Cherokee into Upper Mississippian. Currently drilling ahead through Miss. DMC: \$2,831.50 CMC: \$15,517.75
9.25.11	4975'	Drilling and connections Mississippian, drilling ahead to Kinderhook. Down 4.5 hours for gas detector repair. DMC: \$3,746.25 CMC: \$19,264.00
9.26.11	5205'	Drilling and connections Kinderhook, Simpson. Bit trip @ 5106'. Resume drilling currently drilling ahead through Simpson Shale. DMC: \$1,880.09 CMC: \$21,144.90
9.27.11	5252'	Drilling and connections Simpson Shale through Arbuckle. Bit trip @ 5251'. Resume drilling to RTD of 5354'. RTD reached @ 0700 hrs 9.27.11. Short trip, condition hole, TOH for logs. Geologist off location 1100 hrs 9.27.11.
9.28.11	5354'	Waiting on loggers. Loggers on location @ 1530 hrs 9.28.11

ROCK TYPES

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Sltstn
- Shale
- Sandylms
- Lms
- Gry sh
- Dtd
- Dol
- Carb sh
- pipesymbol

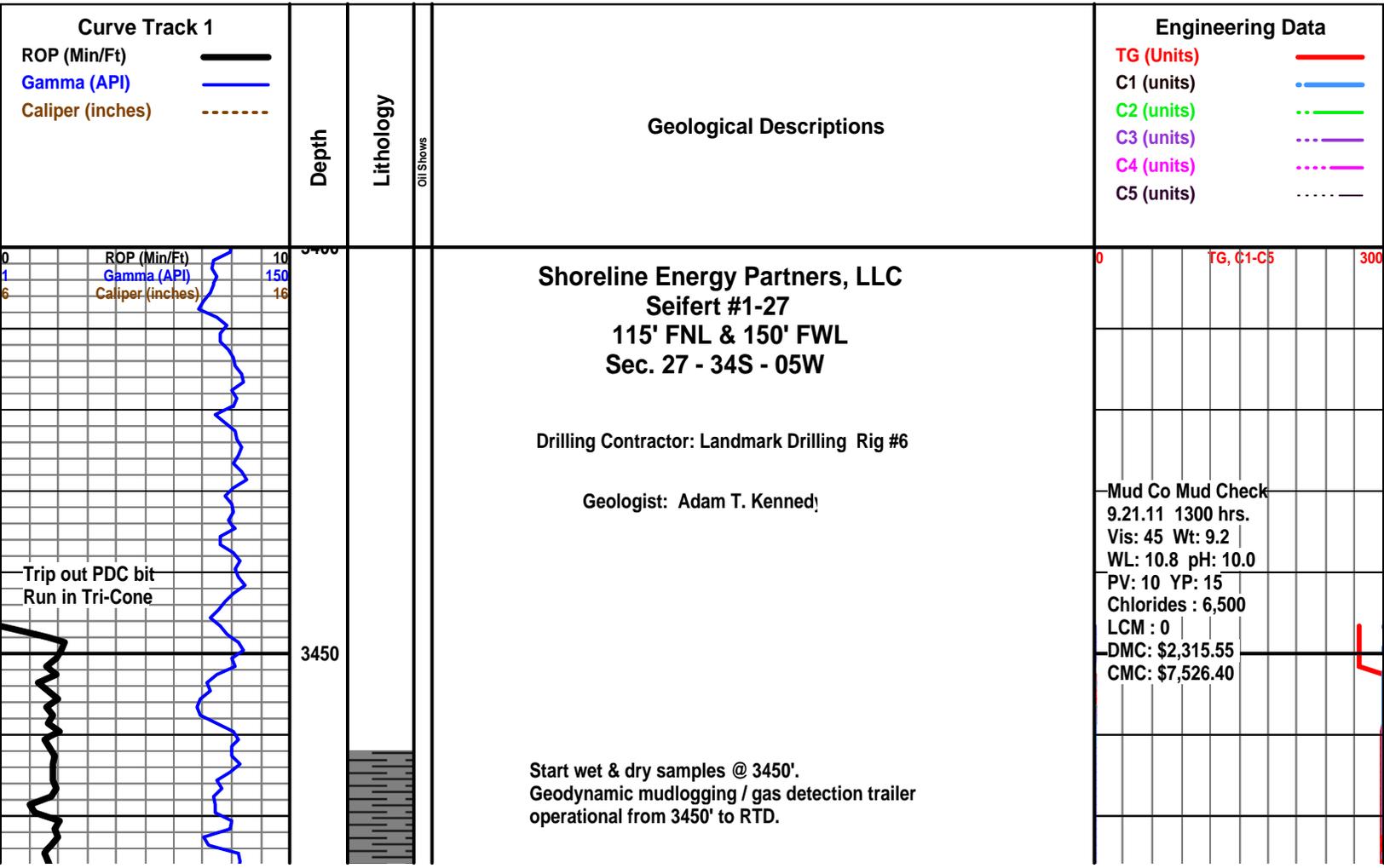
- unknown lith
 - Red shale
- ### FOSSIL
- Oomoldic
 - Fuss
 - Algae
 - Amph
 - Belm
 - Bioclst
 - Brach
 - Bryozoa
 - Cephal
 - Coral
 - Crin
 - Echin
 - Fish
 - Foram
 - Fossil
 - Gastro
 - Oolite
 - Ostra
 - Pelec
 - Pellet
 - Pisolite
 - Plant
 - Strom
- ### MINERAL
- Slt

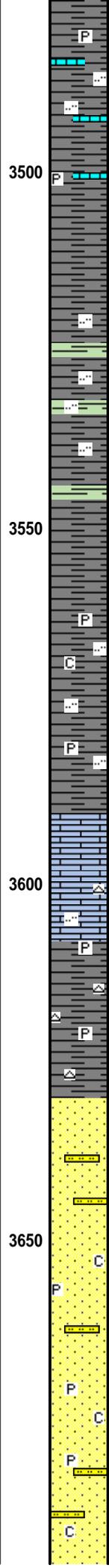
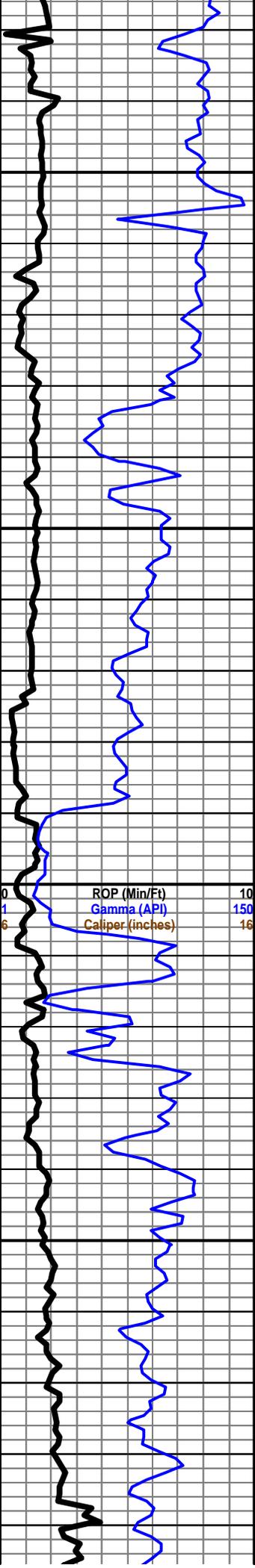
- Sand
- Dol
- Chlorite
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil

- ### STRINGER
- Red shale
 - Sh
 - Sandylms
 - Lms
 - Gryslt
 - Grysh
 - Dol
 - Clystn
 - Carbsh
 - Anhy
 - Arg
 - Bent
 - Coal
 - Dol
 - Gyp
 - Ls
 - Mrst
 - Sltstrg
 - Ssstrg
- ### TEXTURE
- Boundst
 - Chalky
 - Cryxln
 - Earthy
 - Finexln

- Sulphur
 - Tuff
- ### OIL SHOW
- Gas show
 - Good
 - Fair
 - Poor
 - Dead
- ### INTERVAL
- Dst
 - Core
 - Dst
 - Straddle test t
- ### EVENT
- Rft
 - Sidewall
 - Dst
 - Open hole
 - Perforations

- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest





Shale: gray dark gray, dense blocky, micaceous silty pyritic, scattered limestone: cream tan, micro fine crystalline, dense, poor visible porosity, no shows noted.

Gas detector not working properly.

Shale: gray dark gray light green, soft waxy to dense blocky, abundant silt, micas, no shows or odor noted.

Shale: gray dark gray, soft waxy to brittle, very silty abundant pyrite, scattered limestones: tan light brown, fine to coarse-crystalline, mostly dense chalky matrix, trace poor to fair interxn porosity, no shows odor or fluorescence noted.

Shale: gray dark gray, dense blocky, to waxy soft, abundant silt micas and pyrite, no shows or fluorescence noted.

ROP (Min/Ft) 10
Gamma (API) 150
Caliper (inches) 16

Shale: gray dark gray black, blocky dense brittle, very silty, trace waxy, pyritic, scattered silty sandstones, scattered chert: white light orange, sharp fresh, no shows or odor noted.

0 TG, C1-C5 300

Shale: gray dark gray green, blocky fissile micaceous, pyritic, scattered silty dense sandstones, trace limestone: light tan light orange, fine-crystalline, barren, abundant secondary rexn, large calcite nodules, no shows or odor noted.

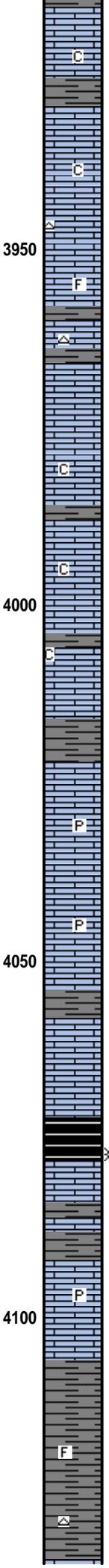
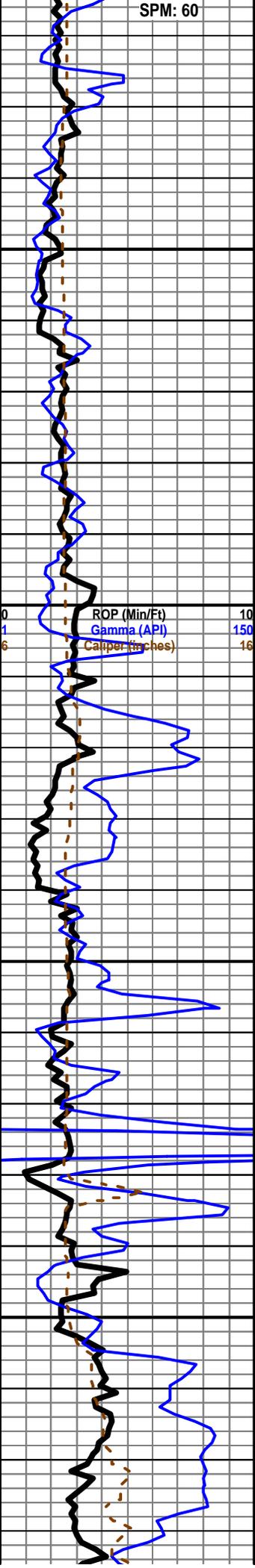
Sandstone: quartz, clear opaque, fine to medium grained, poor to fair sorting, sub rounded trace angular, friable matrix, scattered good inter granular porosity, no shows odor or fluorescence noted, with: gray dense siltstones.

Sandstone: quartz, clear opaque gray, very fine to fine grained, poorly sorted, sub angular to trace rounded, dense well cemented, chalky, abundant micas and pyrite, scattered large shale specimens - gray dark gray, blocky brittle.

Sandstone: quartz, clear opaque, very fine grained, poorly sorted, sub angular trace rounded, very dense well cemented, poor visible porosity, abundant silt and pyrite, chalky.

SPM: 60

Kansas City 3914 (-2698)



Limestone: white cream dark gray, micro-crystalline trace fine-coarse, trace fossils mostly barren, dense hard crystalline matrix, chalky, very poor visible porosity, trace chert gray opaque dense, abundant shales: gray green blocky dense.

Limestone: tan gray dark gray, micro to fine-crystalline, barren, sub chalky matrix most dense, trace edge interxn porosity, overall poor visible porosity, no shows or fluorescence.

3950

Limestone: tan light gray dark gray brown, micro to fine-crystalline, mostly barren trace fossil hash, trace dense to soft subchalky matrix, most break easily, poor visible porosity, scattered cherty limestones, white gray opaque sharp, no shows or fluorescence noted.

Limestone: white cream tan, micro to fine-crystalline, mostly barren trace small fossil hash, chalky soft matrix, scattered poor interxn porosity, no shows or fluorescence noted, abundant background gray blocky shales.

Sample quality very poor - samples pulverized / all musl

4000

Limestone: white cream tan, micro to fine-crystalline, no fossils noted, soft crystalline matrix, trace chalk, scattered poor interxn porosity, decrease in background shales, no shows or odor noted, <1% trace weak white-yellow fluorescence.

Limestone: cream tan light brown, micro to fine-crystalline, soft chalky matrix, very poor visible porosity, scattered white opaque chert sharp fresh, no shows or odor noted.

4050

Limestone: cream tan light gray, lithographic to fine-crystalline, dense harder matrix, very poor visible porosity, abundant pyrite, background shales: gray blocky dense.

Continued poor samples all shale sluff.

Limestone: cream tan light brown, cryptoxin to fine-crystalline, scattered trace fossil fragments, mostly dense hard matrix, scattered poor pinpoint porosity, overall visible porosity very poor, no shows or odor noted.

Stark Shale 4072 (-2856)

Shale: black, dense blocky, carbonaceous gassy, trace micas.

Stark Shale kick, lag off, 372u

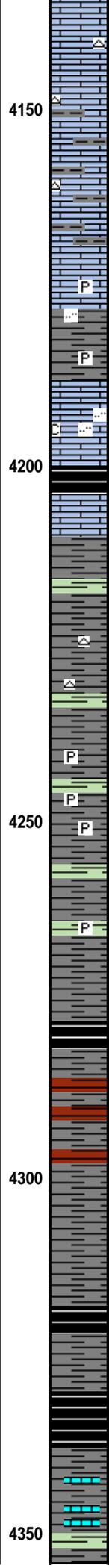
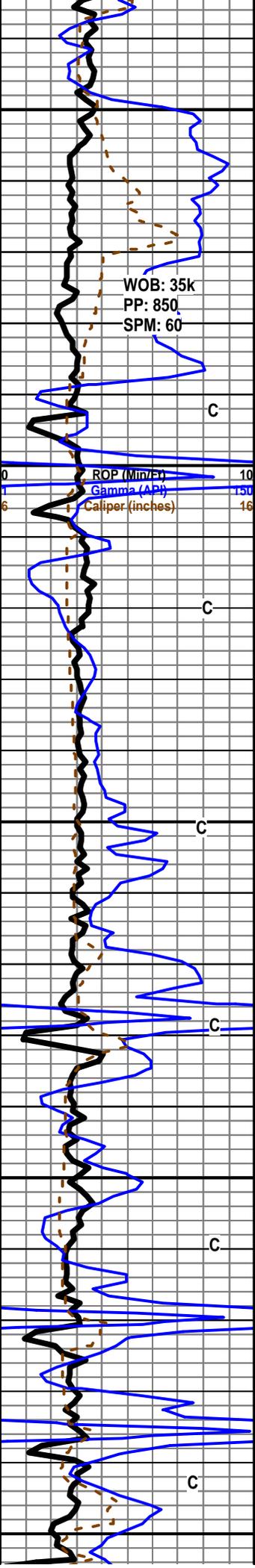
4100

Limestone: white cream, micro to fine-crystalline, soft sub chalky matrix, breaks easily, scattered poor to fair interxn porosity, trace pyrite, no shows or odor, pale green mineral fluorescence in <1%

Recycle

Shale: gray dark gray green, dense blocky waxy.

TG, C1-C5 300



4150 **Base Kansas City 4150 (-2934)**

Limestone: white cream light gray, mostly lithographic to trace fine-crystalline, barren, chalky dense, scattered poor interxn porosity, trace secondary crystals, no shows or odor noted, scattered chert: white sharp fresh

Limestone: cream light gray brown, lithographic, hard dense, very poor visible porosity, flood shale gray dark gray black, very silty, dense blocky, pyriti

Limestone: cream light gray tan, cryptoxln to fine-crystalline, dense grading to chalky soft matrix some break very easily, scattered poor to fair interxn porosity, no shows or fluorescence noted, abundant gray blocky background shales.

Shale: gray dark gray dark green, dense blocky micaceous, fissile, sharp decrease in limestones as above.

Shale: gray dark gray light green black, dense blocky fissile, trace chert: white sharp fresh.

Shale: gray dark gray green black, dense blocky fissile, trace waxy, abundant pyrite, pyritic inclusion micas.

****Mud system out of parameters, likely causing large influx of shale****

Shale: gray dark gray green black, blocky dense pyritic, micaceous.

Shale: dark gray black, carbonaceous, blocky dense.

Shale: gray dark gray red, blocky dense to fissile waxy, slightly silt

Shale: gray dark gray red trace black, mostly block dense fissile, no odors or shows noted.

Shale: black dense blocky, trace silt, trace carbonaceous.

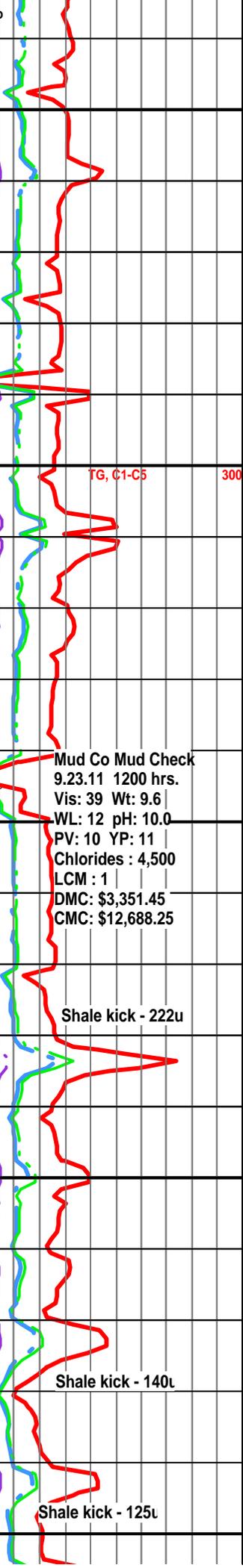
Shale: gray dark gray red trace green, dense blocky to waxy silty.

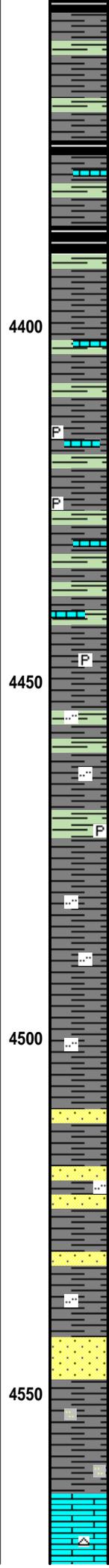
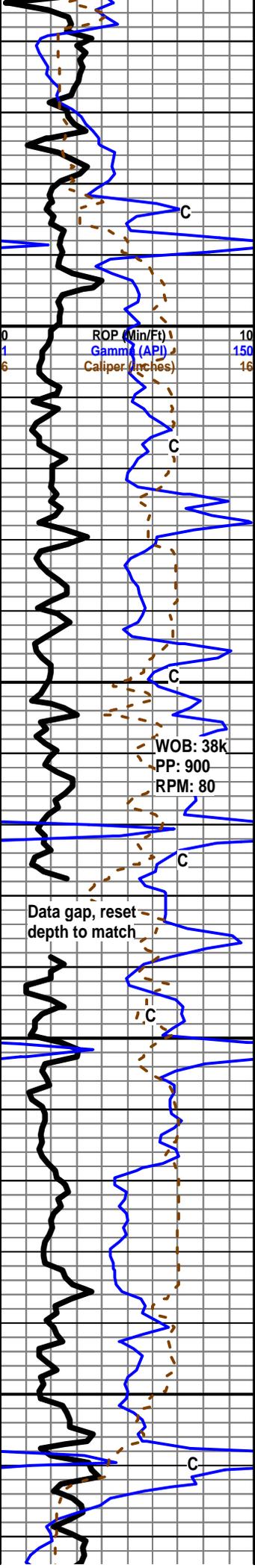
4200

4250

4300

4350





Shale: gray dark gray black, dense blocky, silty.

Shale: gray dark gray green, blocky dense grading to fissile waxy trace brittle, abundant limestones cream tan, micro-crystalline, soft chalky to dense lithographic, no shows.

4400

Shale: dark gray dark green, blocky dense grading to silty waxy micaceous trace pyrite, no shows, decrease in limestone.

TG, C1-C5 300

Shale: gray dark green olive green, blocky dense silty micaceous, trace waxy soft.

4450

Shales as above, trace chert: white to orange sharp fresh, trace limestone: cream tan light orange, micro-crystalline, abundant crystalline material, poor visible porosity, no shows.

Shale: gray dark gray red, blocky dense waxy, silty micaceous pyritic, decrease in limestone, no shows.

Shale: gray dark green light brown red, blocky dense to waxy, silty, scattered limestones as above, no shows or fluorescence.

Data gap, reset depth to match

Shales as above, trace limestone as above

4500

Shale: dark gray green blocky dense silty, scattered to trace sandstone: quartz, clear opaque, very fine grained, dense well cemented angular, no shows or fluorescence noted.

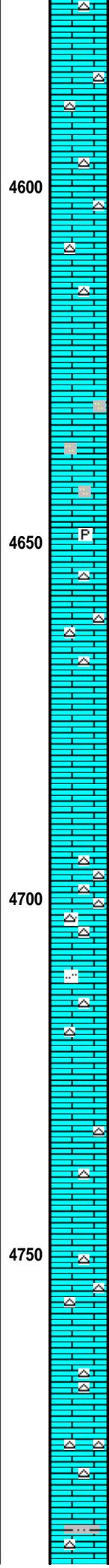
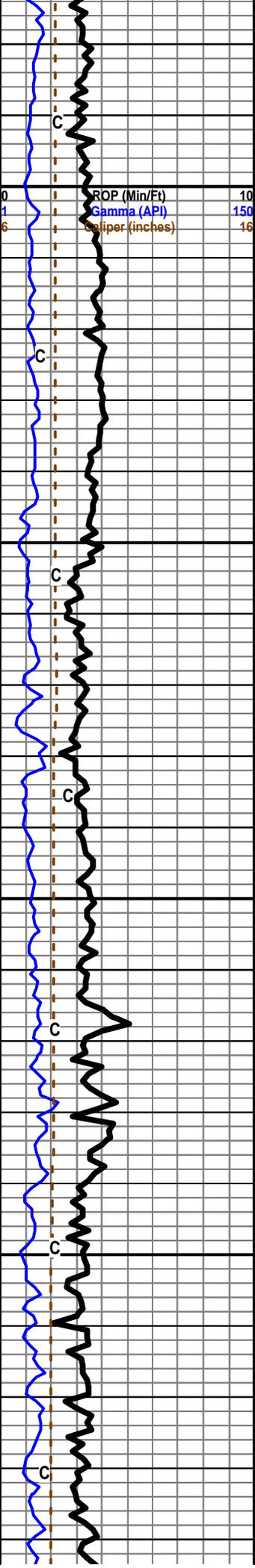
Shales as above, increasing % of sandstone: quartz opaque, sub rounded to angular, very fine to medium grained, some samples friable, scattered good intergranular porosity, no shows noted.

4550

Shale: gray green brown, blocky dense silty, micaceous, no shows noted.

Mississippian 4564 (-3348)

Limestone: white cream tan, micro to fine-crystalline, trace very small fossil fragments, dense hard matrix recemented, grading to cherty limestone to chert: white tan fresh sharp, overall visible



matrix, recemented, grading to cherty limestone to chert. white tan fresh sharp, overall visible porosity very poor, no shows odor, or fluorescence.

Limestone: cream tan brown, micro-crystalline, no fossils noted, mostly dense hard matrix, recemented, very poor visible porosity, grading to softer chalky matrix silty, with chert: white frosted gray, sharp fresh, no shows noted

Limestone: cream brown dark brown, cryptoIn to micro-crystalline, dense recemented matrix, silty decrease in chert as above, poor visible porosity, no shows noted.

Limestone: cream gray brown, cryptoIn to micro-crystalline, barren of fossils, dense hard matrix, as silty, overall porosity very poor, no shows odor or fluorescence.

Limestone: gray tan brown, micro-crystalline, barren of fossils, dense matrix grading to slightly chalky, pyritic, scattered poor pinpoint porosity, scattered chert white frosted gray sharp fresh with slightly weathered edges, no shows or odor noted.

Limestone: gray dark gray brown, micro-crystalline, very dense matrix, decrease in chert, poor visible porosity, no shows odor or fluorescence.

Limestone: cream gray light brown, micro to fine-crystalline, mostly very dense recemented matrix, slightly chalky, scattered chert: white gray frosted opaque sharp fresh, some edge weathering, grading to trace limestone: light brown siliceous inclusions, very poor overall visible porosity, no shows odor or fluorescence noted.

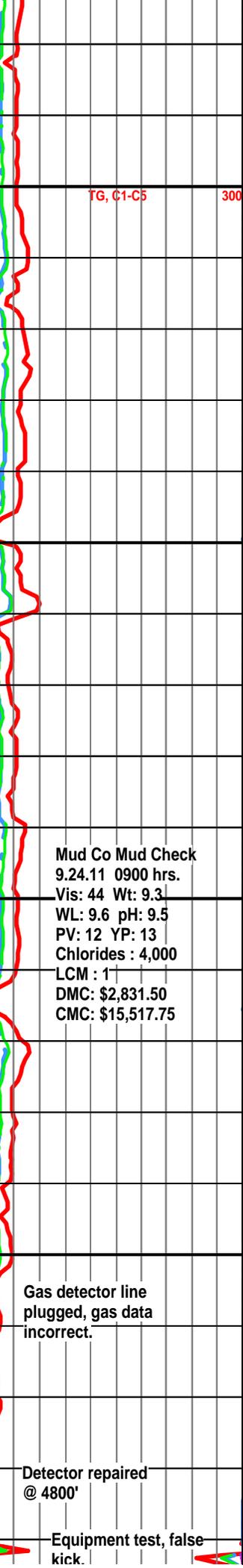
Limestone: cream brown gray, micro-crystalline, dense hard matrix brittle, grading to soft chalky, increase in chert: frosted gray bone white, very dense, sharp trace fossil fragments, overall porosity very poor, no shows or fluorescence noted.

Limestone: cream brown dark gray, cryptoIn to micro-crystalline, mostly dense very hard matrix, trace soft chalky altered facies as above, decrease in chert, very poor visible porosity, no shows odor or fluorescence noted.

Limestone: gray cream light brown, micro-crystalline, dense silty hard recemented matrix, trace altered chalky soft matrix, scattered chert: frosted gray white sharp fresh, very poor visible porosity no shows noted.

Limestone: gray light brown, lithographic to micro-crystalline, dense hard matrix trace fossil fragments, trace siliceous fragments / inclusions, increase in chert: white gray sharp fresh, no shows odor or fluorescence noted.

Limestone: cream light brown, lithographic to micro-crystalline, soft chalky matrix to dense silty,

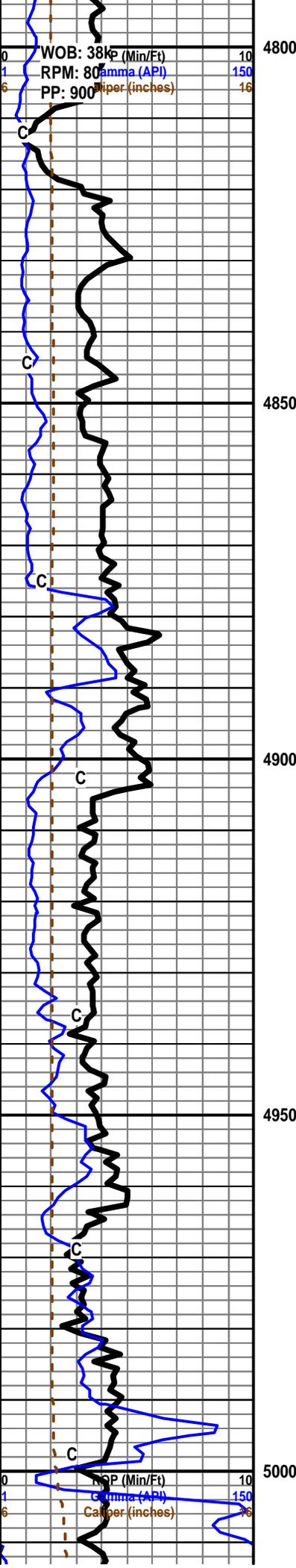


Mud Co Mud Check
 9.24.11 0900 hrs.
 Vis: 44 Wt: 9.3
 WL: 9.6 pH: 9.5
 PV: 12 YP: 13
 Chlorides : 4,000
 LCM : 1
 DMC: \$2,831.50
 CMC: \$15,517.75

Gas detector line plugged, gas data incorrect.

Detector repaired @ 4800'

Equipment test, false kick.



trace chert as above, very poor visible porosity, no shows odor or fluorescence, large influx shale gray green waxy soft silty.

Limestone: white tan light brown, micro-crystalline trace fine, chalky soft matrix, abundant secondary crystals and siliceous material, scattered poor to fair interxn porosity, pyritic, some specimens cherty, white frosted opaque, sharp fresh, trace edge weathering and pinpoint porosity, no shows or odor noted, <1% samples pale green mineral fluorescence.

Limestone: white cream light brown, micro to fine-crystalline, chalky recemented matrix grading to slight dense hard cryptoxin matrix, scattered poor interxn porosity, decrease in siliceous chalky samples as above, no shows or odor or fluorescence.

Limestone: white cream light brown, micro to fine-crystalline, dense hard matrix grading to softer chalky siliceous matrix, no fossils noted, scattered poor to fair interxn porosity, no shows or odor, <1% samples pale green mineral fluorescence.

Limestone: cream light brown, lithographic to micro-crystalline, very dense hard cryptoxin matrix, large increase in dense brown facies, very poor visible porosity, abundant pyrite, no shows odor or fluorescence.

Limestone: white tan brown, micro to fine-crystalline, mostly dense hard recemented matrix, scattered fossil fragments, abundant rexln, scattered poor to fair interxn pinpoint porosity, trace dead black oil stain, with chert: white gray dark gray, opaque sharp fresh, trace dolomite, cream brown, micro-crystalline, abundant rexln, dense hard recemented matrix, no shows odor or fluorescence.

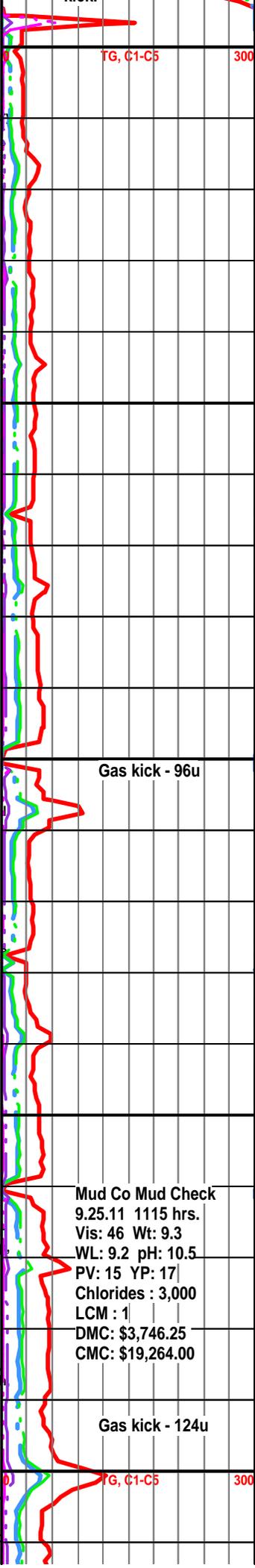
Limestone: dark gray brown, lithographic to micro-crystalline, dense hard to brittle, very poor visible porosity, cherts as above, pyritic, large influx shale: gray dark gray yellow red, waxy soft fissile, no shows noted

Limestone: cream light to dark brown, lithographic trace micro-crystalline, dense hard brittle sub-chalky matrix, overall visible porosity poor, continued large amounts of shale: gray dark gray soft waxy micaceous pyritic, no shows note

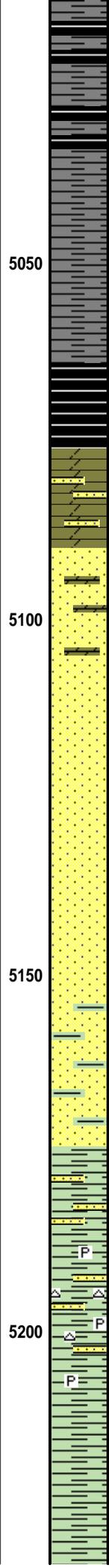
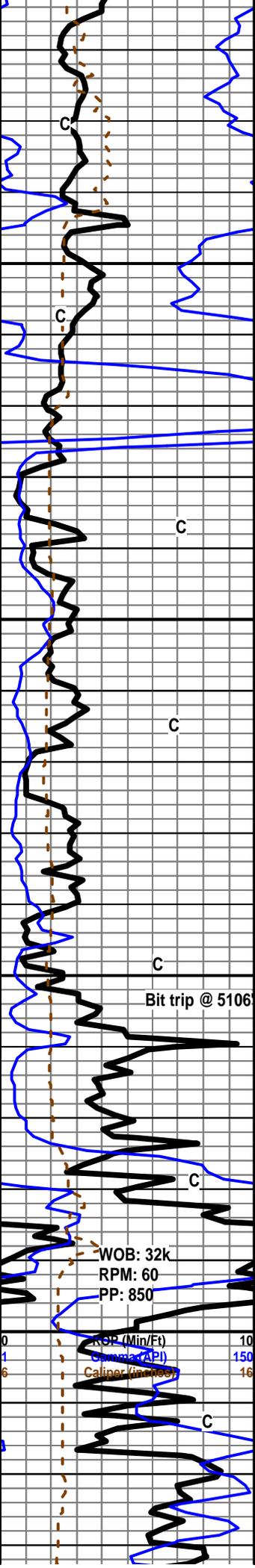
Limestone: white cream brown, micro to fine-crystalline, mostly dense hard chalky matrix some brittle, grading to dolomite: white light brown, fine-crystalline, cherty, pyritic, scattered good interxn vuggy porosity, no shows odor or fluorescence noted, scattered cherts: white opaque frosted, sharp some tripolitic edges.

Limestone: cream brown, lithographic to fine-crystalline, most dense hard brittle sub-chalky matrix, scattered poor interxn edge porosity, abundant pyrite, with chert: white bone white gray sharp fresh abundant shales: gray green red yellow black, blocky dense to waxy.

Shale: gray dark gray green red black, mostly dense blocky pyritic, grading to fissile waxy brittle, no shows or fluorescence.



Kinderhook Shale 5003 (-3787)



Shale: gray dark to pale green black, dense blocky, abundant pyrite trace micas, some brittle waxy, black shale samples slightly carbonaceous, no shows odor or fluorescence noted.

Shales as above with increasing black shales, dense waxy some brittle, streaks gray, no shows or fluorescence noted.

Shale: gray dark gray trace green black, waxy brittle, no shows.

Shales as above, decrease in black shales, no shows.

Woodford Shale 5058 (-3483)

Shale: gray green dark red, waxy soft, large increase of black shale: blocky to soft waxy, trace micas, very small gas show when broken when left under lamp heat, no other shows or fluorescence noted.

Simpson 5076 (-3861)

Dolomite: white cream light brown, micro to fine-crystalline, poor to trace fair intergranular porosity trace pinpoint porosity, mostly dense brittle matrix, 1 specimen of sandstone: quartz clear opaque, well sorted, sub rounded, well cemented but friable, no shows odor or fluorescence.

Sandstone: white clear quartz to light brown, very fine to fine grained, poorly sorted, sub rounded to rounded trace angular, well cemented dolomitic matrix, also with: dolomite light brown, micro-crystalline, dense matrix, some specimens silty sandy, no shows odor or fluorescence.

Sandstone: white light brown quartz, very fine to trace fine grained, poorly sorted, sub rounded to rounded, very well cemented chalky dolomitic matrix, poor inter-granular porosity, no shows odor or fluorescence.

Sandstone as above, increase in shales: gray green dense blocky.

Simpson Shale 5176 (-3860)

Shale: green dark green gray, waxy brittle blocky, trace micas pyrite, with abundant sandstone: white clear quartz, fine-grained, well sorted, sub rounded, friable to well cemented dolomitic matrix, no shows or fluorescence.

Shale: green dark gray, blocky dense waxy brittle, abundant sandstones: white clear quartz, fine to medium-grained, well sorted, sub rounded to rounded, most friable, no shows odor or fluorescence

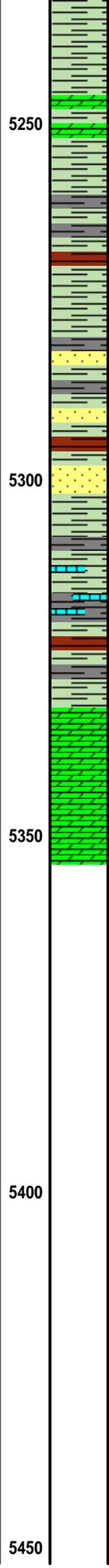
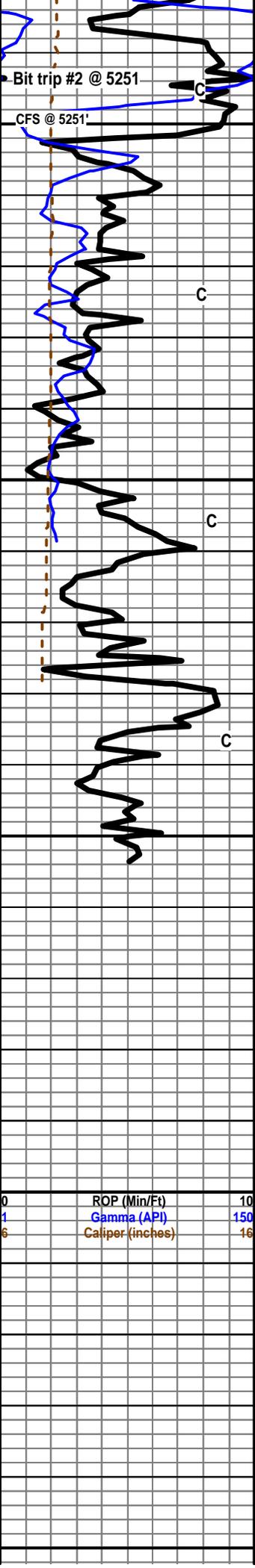
Shale: dark green pale green gray, waxy dense blocky abundant pyrite, sandstones as above with increasing amounts of pyrite inclusions, trace chert: pale green dense hard sharp.

Shale: dark gray green pale green, dense waxy blocky streaks light gray, sharp decrease in sandstone, scattered chert: white pale green green, dense hard sharp, abundant pyrite.

Mud system contaminated from Woodford Zone.

Sample box left open.

TG, C1-C5 300



CFS 60"/90" - Shale: gray dark green purple yellow, blocky dense waxy brittle, silty, scattered dolomite: tan brown to clear, lithographic to micro-crystalline, very dense chalky matrix, abundant altered / reworked crystals, cherty grading to chert: green pale green, dense sharp fresh, slightly tripolitic.

Shale: green dark green red yellow, waxy dense brittle, pyritic, abundant sandstones as above.

Shale: green dark green gray purple, waxy brittle blocky, trace limestone: gray light brown green, lithographic to micro-crystalline, dense very hard matrix, no shows.

Shale: green purple gray dark gray, blocky brittle waxy, pyritic, abundant sandstones: cream light green, fine grained, poorly sorted, sub rounded, well cemented dolomitic matrix, no shows odor or fluorescence.

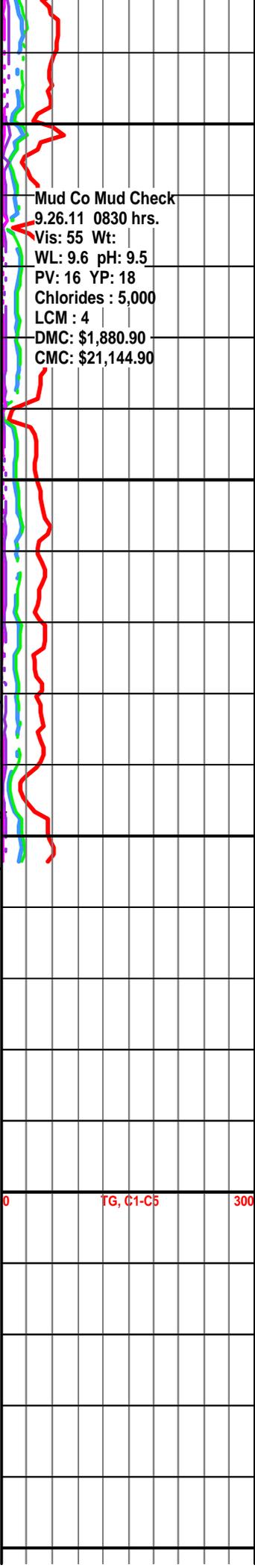
Arbuckle 5331 (-4116)

Dolomite: cream tan light brown, micro to fine-crystalline, poor to fair rhombic development sub-sucrosic, chalky dense matrix, scattered poor to fair interln trace vuggy porosity, no shows odor noted, even pale green fluorescence.

cfs 60"/90" - Dolomite: cream tan light brown, micro to fine-crystalline, poor to trace good rhombic development, abundant sucrosic, abundant caliche fill, scattered poor interln porosity, no shows odor, even pale green mineral fluorescence.

RTD 5354 (-4139)

RTD reached @ 0800 hrs 9.27.11



Mud Co Mud Check
 9.26.11 0830 hrs.
 Vis: 55 Wt:
 WL: 9.6 pH: 9.5
 PV: 16 YP: 18
 Chlorides : 5,000
 LCM : 4
 DMC: \$1,880.90
 CMC: \$21,144.90

0	ROP (Min/Ft)	10
1	Gamma (API)	150
6	Caliper (inches)	16

0	TG, C1-C5	300
---	-----------	-----

