



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1209311
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1209311

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Eakin Unit #2-7
Doc ID	1209311

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

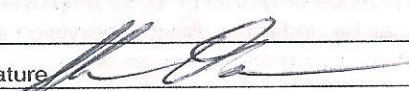
QUALITY OILWELL CEMENTING, INC.

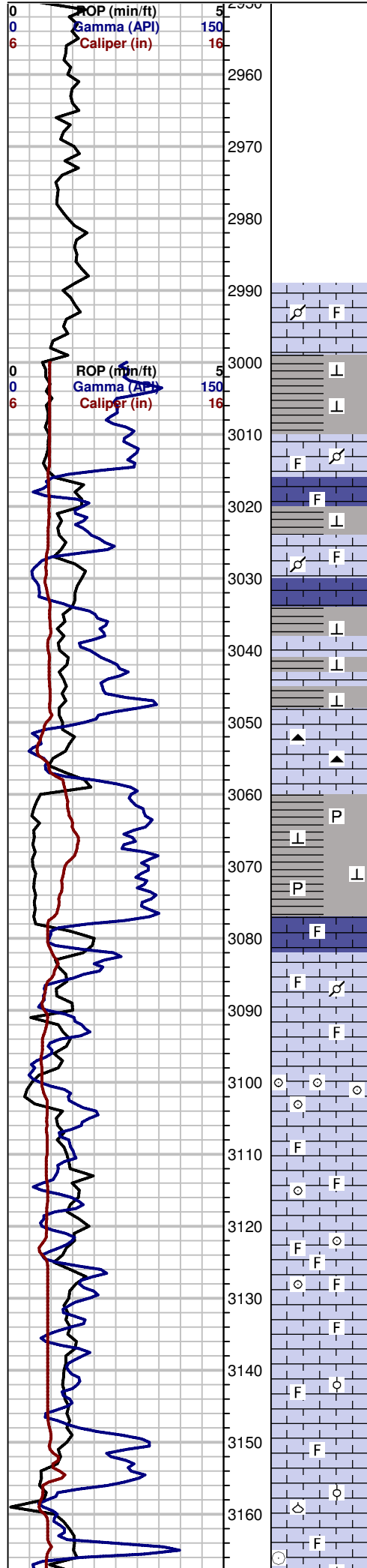
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5082

Date	1-5-11	Sec.	7	Twp.	22	Range	16	County	Pawnee	State	Ks	On Location		Finish	9:30 PM
Lease	Eakin unit			Well No.	#2-7			Location	Larned Ks - w on 56 Hwy to mm18						
Contractor	Sterling			Rig #	#2			Owner	J.S.						
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"			T.D.	1040'			Charge To	Shelby Resources / Captiva						
Csg.	8 5/8"			Depth	1036'			Street							
Tbg. Size				Depth				City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	42.00'			Shoe Joint	42.00'			Cement Amount Ordered	400 5x 60/40 3% CL 2% CL						
Meas Line				Displace	6 3/4 BLS										
EQUIPMENT															
Pumptrk	1	No.	Cement Helper	Dente			Common	240							
Bulktrk	12	No.	Driver	Cory			Poz. Mix	160							
Bulktrk	pur	No.	Driver	Rick			Gel.	8							
JOB SERVICES & REMARKS								Calcium 15							
Remarks:	Cement did Circulate														
Rat Hole															
Mouse Hole															
Centralizers	Flowseal 100#														
Baskets	Kol-Seal														
D/V or Port Collar	Mud CLR 48														
	CFL-117 or CD110 CAF 38														
	Sand														
	Handling 423														
	Mileage														
FLOAT EQUIPMENT															
	Guide Shoe														
	Centralizer														
	Baskets														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	1 - Baffle plate														
	1 - Rubber plug														
	Pumptrk Charge Long Surface														
	Mileage 31														
												Tax			
												Discount			
												Total Charge			
X Signature 															



Captiva Energy II, LLC
Eakin Unit # 2-7
2051' FSL & 1500' FEL
Sec. 7, T22S, R16W
Pawnee County, KS

Poor samples, abundant shale cavings from up hole.

Mixed shales and limestone. Ls: mottled brown and tan, fossiliferous, pelletal, packstone w/ tr sparry calcite. Shale is gray to dark brown, calcareous.

Limestone: as above w/ some brown micrite. Fossils include fusulinids, brachiopods, echinoids.

Shale: gray to lt gray w/ dark specks of organic matter. Also brownish, calcareous, fossiliferous shale.

Limestone as above w/ brown, vitreous chert.

Shale, gray to lt gray, organic spots, calcareous, soft. Tr. pyrite.

Topeka 3079 (-1061)

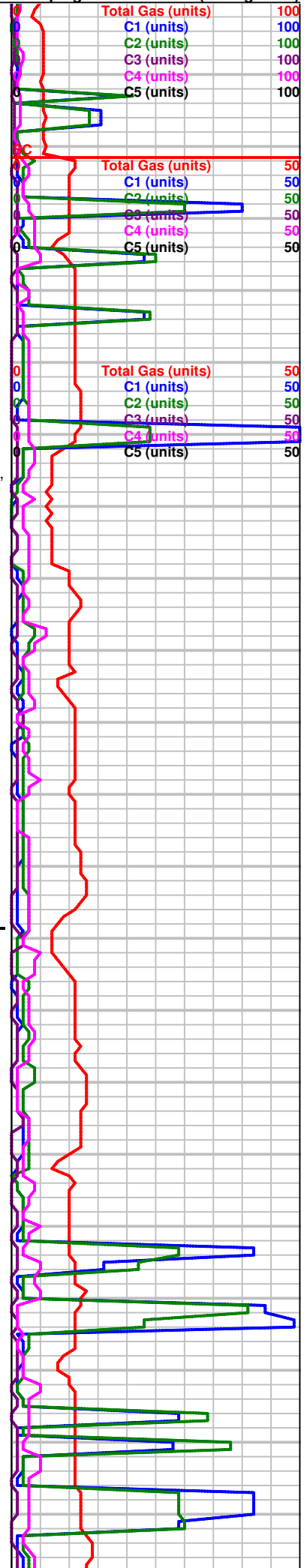
Limestone, tan to cream, micrite to lithographic, to sli fossiliferous wackestone. Fusulinids, pellets

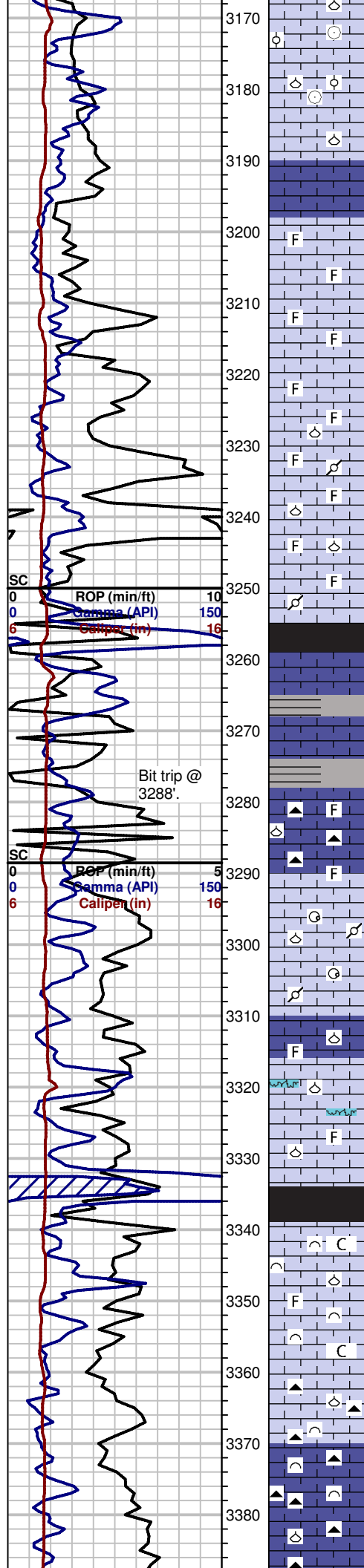
Limestone: tan, more fossiliferous than above, Packstone.

Limestone: tan to lt brown, fossiliferous packstone to oolitic grainstone. Dense, no porosity.

Limestone: tan to lt tan, fossiliferous, pelletal, oolitic, sparry, fair inter-xln porosity, packstone.

Limestone: tan to lt brown, fossiliferous, fusulinids, brachiopods, crinoids, packstone, w/ tr micrite, lithographic, sparry spots w/ fair porosity.





Limestone: tan to lt brown, more micrite than fossils, wackestone to mudstone, tight, dense no porosity.

Limestone, w/ porosity, packstone, tan, fossiliferous.

Limestone: cream to tan, more fossiliferous, fussulinids, brachiopods, pellets, packstone.

King Hill Shale 3255 (-1237)

Shale, black, organic, dolomitic.

Limestone as above w/ some micrite and interlayered with argillaceous ls and calcareous brownish-gray shale.

Limestone: tan, fossiliferous packstone to cream micrite, to lt brown, fossiliferous, succrosic wackestone. Also black chert w/ white fussulinids.Brachiopods.

Begin 10' samples @ 3300'.

Limestone: cream, weakly to moderately fossiliferous, succrosic wackestone to packstone w/ fair micro-porosity.

Fussulinids, brachiopods, packstone as above. Some thin streaks of organic matter (stylolites?). Tr of black shale.

Queen Hill Shale 3332 (-1314)

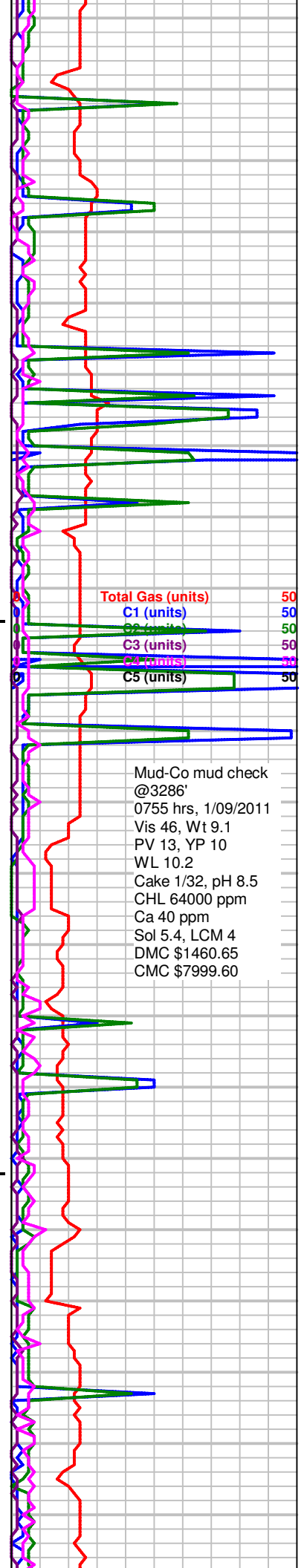
Black shale: dolomitic, carbonaceous

Limestone: cream to lt tan, chalky, broken fossil fragments, some granular/succrosic, some with thin organic laminations, packstone.

Limestone: cream to lt tan, succrosic to fossiliferous w/ broken fossil frags., some chalky. White to lt gray, mottled, pitted chert.

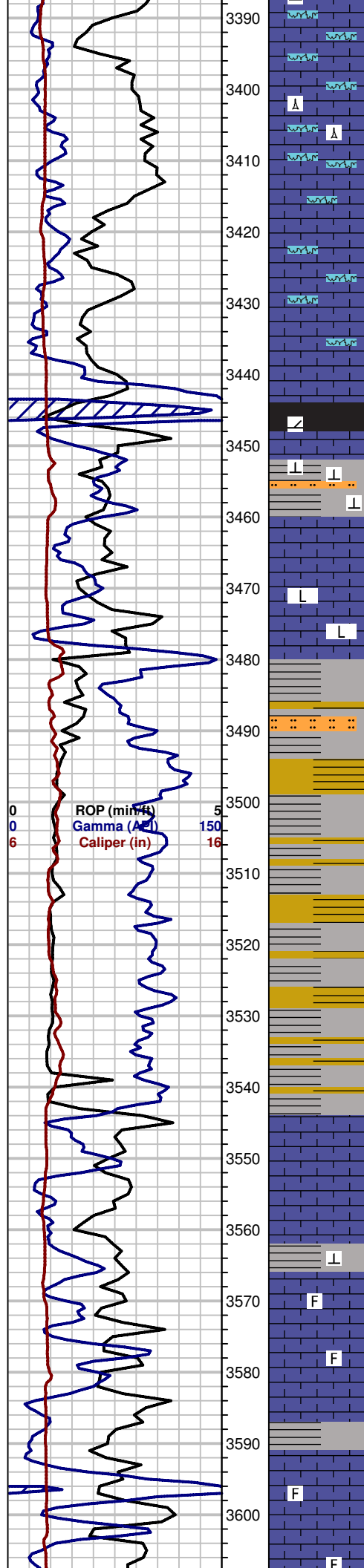
Limestone as above with lt brown, fossiliferous, mud-supported wackestone. More chert as above. Micro-xln.

Some ls is chalky.



Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50
C5 (units)	50

Mud-Co mud check @3286'
 0755 hrs, 1/09/2011
 Vis 46, Wt 9.1
 PV 13, YP 10
 WL 10.2
 Cake 1/32, pH 8.5
 CHL 64000 ppm
 Ca 40 ppm
 Sol 5.4, LCM 4
 DMC \$1460.65
 CMC \$7999.60



Limestone: cream to tan, micritic to micro-xln, stylonitic, partly chalky, sli fossiliferous.

Limestone: cream to tan, crypto- to micro-xln, micritic, tr fossiliferous, spicules, stylonites.

Limestone as above.

Heebner Shale 3444 (-1426)

Shale: black, carbonaceous, dolomitic.

Shale: gray, calcareous, tr. fossil fragments, with silty streaks.

Toronto 3460 (-1442)

Limestone: lt brown to tan, micro- to crypto-xln, micrite, tr well-cemented oolites, tr sparry calcite, lithographic. No shows.

Douglas 3480 (-1462)

Shale: gray to brown, calcareous, brittle.

Still an abundance of limestone, (probably cavings, including Heebner shale).

Shale as above with some lt greenish-gray, and streaks of brown siltstone.

Shale as above. Noted one small (4mm) brachiopod. Still flooded with limestone.

Sample is dominated by limestone cavings, and we still have black shale from the Heebner.

As above, tr reddish-brown shale and siltstone.

Mixed, varicolored shales, siltstone and vf-gr sandstone.

Brown Lime 3544 (-1526)

Lansing 3552 (-1534)

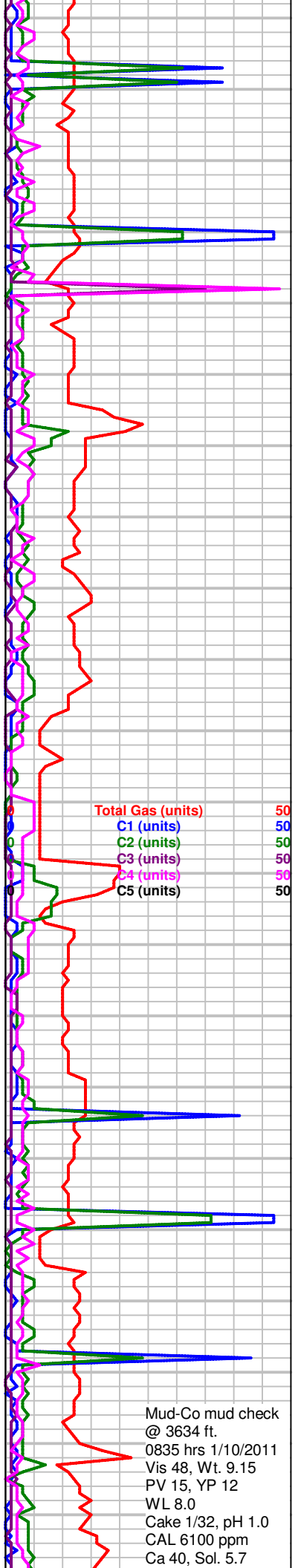
Limestone: lt brown micrite, no porosity.

Limestone: cream to lt tan, lithographic micrite to sli fossiliferous wackestone. Tr intercrystalline porosity in the sparry portions of the lithographic ls. Tr. sli fossiliferous wackestone.

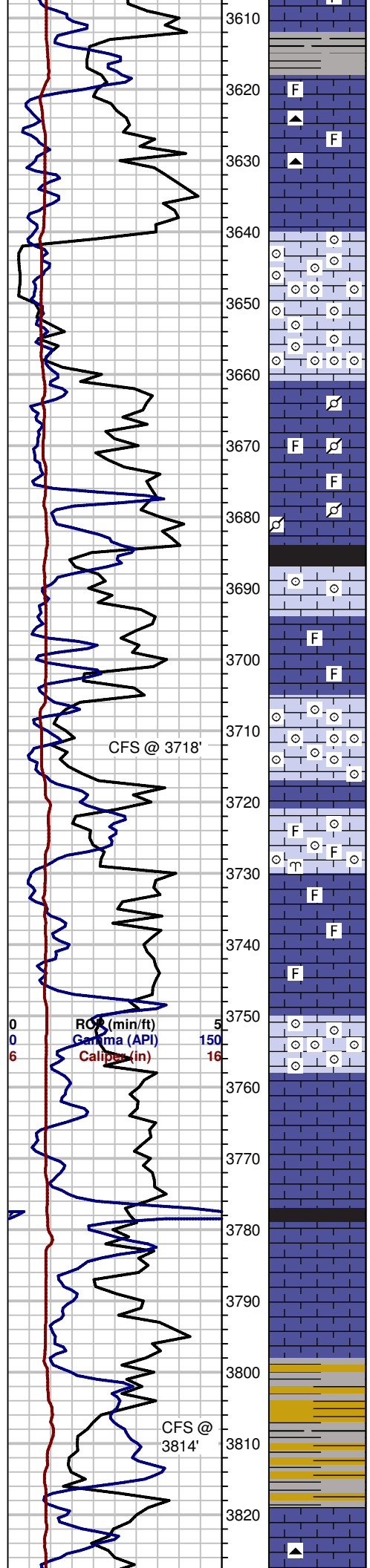
NOTE: The samples are carrying an abundance of shales, caving from the overlying Douglas interval.

Limestone: white to cream, micro-xln, tr fossiliferous, wackestone, weak porosity. No shows.

Limestone as above.



Mud-Co mud check @ 3634 ft. 0835 hrs 1/10/2011
Vis 48, Wt. 9.15
PV 15, YP 12
WL 8.0
Cake 1/32, pH 1.0
CAL 6100 ppm
Ca 40, Sol. 5.7



Limestone: brown, agrillic, pelletal, tr fossiliferous, wackestone. Tr spiculated chert, vitreous, lt gray.

Limestone: Brown, sli fossiliferous, tight, mudstone. No shows. Trace amounts of lt gray, fossiliferous packstone.

NOTE: the sample catcher discarded the proper samples and saved those that he should have discarded, ie poor samples from 3640'-3700'

This type of drilling break is usually associated with porosity, generally oolitic in the L/KC, but the samples only show mud-supported fossils and pellets...no oolites.

The sample from 3670' has an oolitic grainstone with excellent oomoldic porosity, but lacks shows of oil.

Limestone: cream, micro-xln, sli fossiliferous, weak porosity, wackestone. Also brown ls, argillaceous, fossiliferous, pelletal, packstone.

Limestone: cream, oolitic grainstone w/ oomoldic porosity, no shows.

Limestone: cream to lt tan, micro-xln w/ limited porosity, tr fossiliferous, wackestone, tr sparry calcite.

Limestone: cream, oolitic grainstone w/ oomoldic porosity, no shows. Tr rhombopora.

Limestone: cream to lt tan, fossiliferous, micro-xln, weak porosity, packstone to wackestone. Tr oolitic grainstone, spicules, fossil debris, micro-xln w/ fair inter-xln porosity.

Limestone: lt tan, fossiliferous to micritic-lithographic, wackestone, weak inter-xln porosity.

Limestone: cream, oolitic grainstone w/ oomoldic porosity, no shows.

Limestone: white to cream, lithographic micrite, with inter-xln por in the sparry portions. No shows. Tr black shale.

Base KC 3776 (-1761)

Limestone: lt brown, fossiliferous, pelletal, micro-xln wackestone to dense crypto-xln micrite.

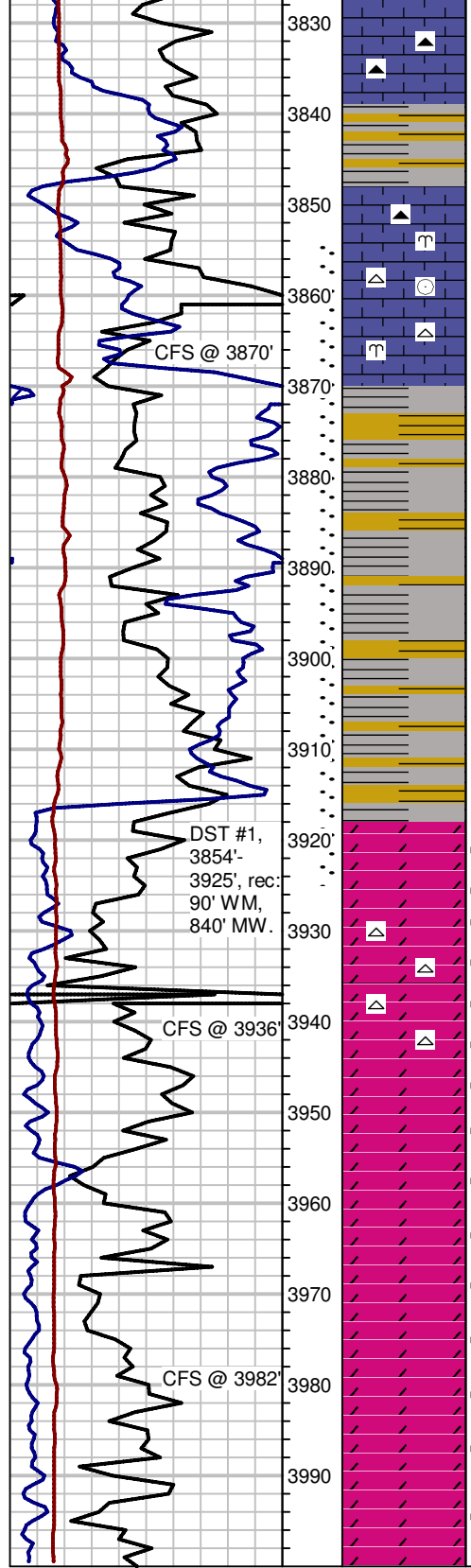
Shale: vari-colored, reddish, brown, and gray. Mixed with limestone, tan, tr fossiliferous, micro-xln, wackestone.

Shale as above with black also.

Vari-colored shale, red, brown, gray.

Shale: multi-colored as above, with lt greenish-aqua.

Total Gas (units)	50
C1 (units)	50
C2 (units)	50
C3 (units)	50
C4 (units)	50
C5 (units)	50



Limestone: tan, micro-xln, tr fossiliferous, mostly micritic w/ sparry calcite, lt orange, vitreous chert. I also see individual, vf-gr, sub-rounded qtz sand grains in the bottom of the tray.

Limestone: as above w/ red to orange, vitreous to tripolitic chert. Fenestrate bryozoans and crinoids in ls.

Mixed vari-colored shales and chert, with limestone: micro-xln to micritic, brown to tan. No shows. Tr pyrite, pyritized brachiopods 5mm in dia.

First sample after circulation shows everything that washed out from up the hole, mixed limestones, chert, and shales, including the greenish-aqua, waxy shale. Crinoids, bryozoans, pyritized gastropods, fussionids.

As above: mixture of ls, shale and chert.

As above w/ a few fragments of f-gr, brown, qtzose ss.

As above: more ss fragments, layered w/ greenish-aqua shale. Much of the ls is micritic to micro-xln, cream to lt tan. Oolitic ls is present (cavings from L/KC?). Greenish-aqua shale has rather sharp, fresh, angular breaks and is more abundant here.

Arbuckle 3916 (-1898)

Dolomite: white to cream, good inter-xln porosity, spotty, streaky oil show, strong aroma, weak cut, looks rather heavy. When dissolved in acid, the dolo yields fine, black particulates of heavy to dead oil. Chert: white, included in the dolomite, also has a spotty oil show.

Dolomite: as above with succrosic texture and fair inter-xln porosity. The oil can be made to cut more easily with acid.

Dolomite rhombs as large as 0.3mm, with good inter-xln porosity, and oil staining, causing a brown color.

Dolomite as above, with odor, staining and cut. Also the same succrosic dolo is present without oil staining. Could the stained fragments be caving from above?

Dolomite: both succrosic w/ spotty staining, and w/o staining. Also micritic dolo, hard tight, no por., tan in color. Sample cup has odor.

Gas check

Mud-Co mud check
 @ 4009 ft.
 0915 hrs, 1/11/2011
 Vis 62, Wt. 9.4
 PV 21, YP 22
 WL 8.0
 Cake 1/32, pH 9.5