



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183688
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: _____

1183688

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

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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BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 09844 A

30-235-6E

DATE _____ TICKET NO. _____

DATE OF JOB 1-16-14		DISTRICT Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER EDISON OPERATING CO. LLC				LEASE Vestring				WELL NO. 1-30	
ADDRESS				COUNTY Butler		STATE Kansas			
CITY STATE				SERVICE CREW C. Messick, M. McGraw, D. Phe					
AUTHORIZED BY				JOB TYPE: C. N. W. Plug To Abandon					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37,216	1						1-15-14	AM	9:00
						ARRIVED AT JOB	1-16-14	AM	3:30
						START OPERATION		AM	4:30
77,686-19,905	1					FINISH OPERATION		AM	5:30
70,959-19,908	1					RELEASED	1-16-14	AM	5:45
						MILES FROM STATION TO WELL			125

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Cotton
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 103	60/40 Poz Blend cement	sk	95		\$ 1,140 00
P CC 200	Cement Gel	Lb	82		\$ 20 50
P E 100	Pickup Mileage	mi	125		\$ 531 25
P E 101	Heavy Equipment Mileage	mi	250		\$ 1,750 00
P E 113	Bulk Delivery	tm	513		\$ 820 00
P CE 200	Cement Pump: 0 Feet To 500 Feet	hrs	4		\$ 1,000 00
P CE 240	Blending and Mixing Service	sk	95		\$ 133 00
P S 003	Service Supervisor	hrs	8		\$ 175 00

SUB TOTAL \$ 4,177 31

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE R. Messick

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Cotton

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 09638 A

DATE _____ TICKET NO. _____

DATE OF JOB 1-12-14 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER Edison Operating Inc.		LEASE V-string		WELL NO. 1-30						
ADDRESS		COUNTY Butler		STATE KS						
CITY		STATE		SERVICE CREW Mattai Kuersten Eggert						
AUTHORIZED BY		JOB TYPE: chw SP								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37586	.5						1-11-14			5:10
						ARRIVED AT JOB				8:50
27463	.5					START OPERATION	11-12-14			12:04
						FINISH OPERATION				12:30
19824/73768	.5					RELEASED				1:15
						MILES FROM STATION TO WELL				125

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: X Cotton
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 POZ	SK	180		2160 00
CC 102	CELLORIAKE	LB	45		166 50
CC 109	CALCIUM CHLORIDE	LB	465		488 75
RF 152					
	P.U. Miles	MI	125		531 25
E 101	HEAVY EQ. MILE	ME	250		1,750 00
E 113	PROF + BULK PRT	TM	969		1,550 00
CE 200	DEPTH CHARGE 0-500'	4hr	1		1,000 00
CE 200	BLEND + MIX CHARGE	SK	150		252 00
S 203	SERVICE SUPERVISOR	EA	1		175 00

SUB TOTAL
16054.75

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Mike Mattai
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X Cotton
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

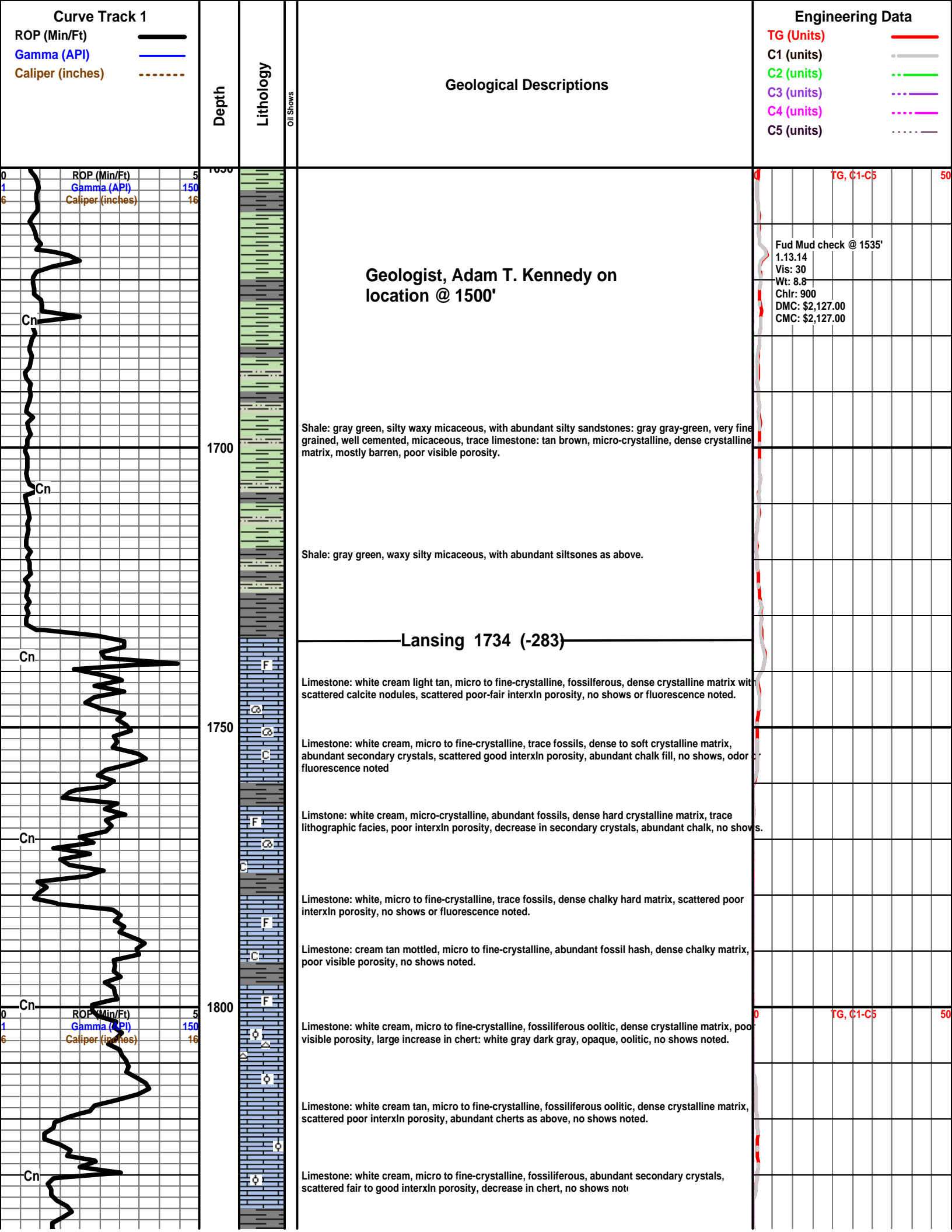
Date	0700 Hrs Depth	Previous 24 Hours of Operations
1.13.14	1400'	Drilling and connections Lansing, geologist on location @ 1500', 1100 hrs 1.13.14. DMC: \$2,127.00 CMC: \$2,127.00
1.14.14	2080'	Drilling and connections Lansing to Kansas city, currently drilling ahead through Kansas City. Made 680' in 24 hours of operations. DMC: \$3,036.75 CMC: \$5,163.75
1.15.14	2600'	Drilling and connections Kansas City through Mississippian. CFS @ 2560', 2570' (Miss). Currently drilling through Mississippian Chert. Made 520' in 24 hours of operations.
1.16.14	RTD - 2700'	

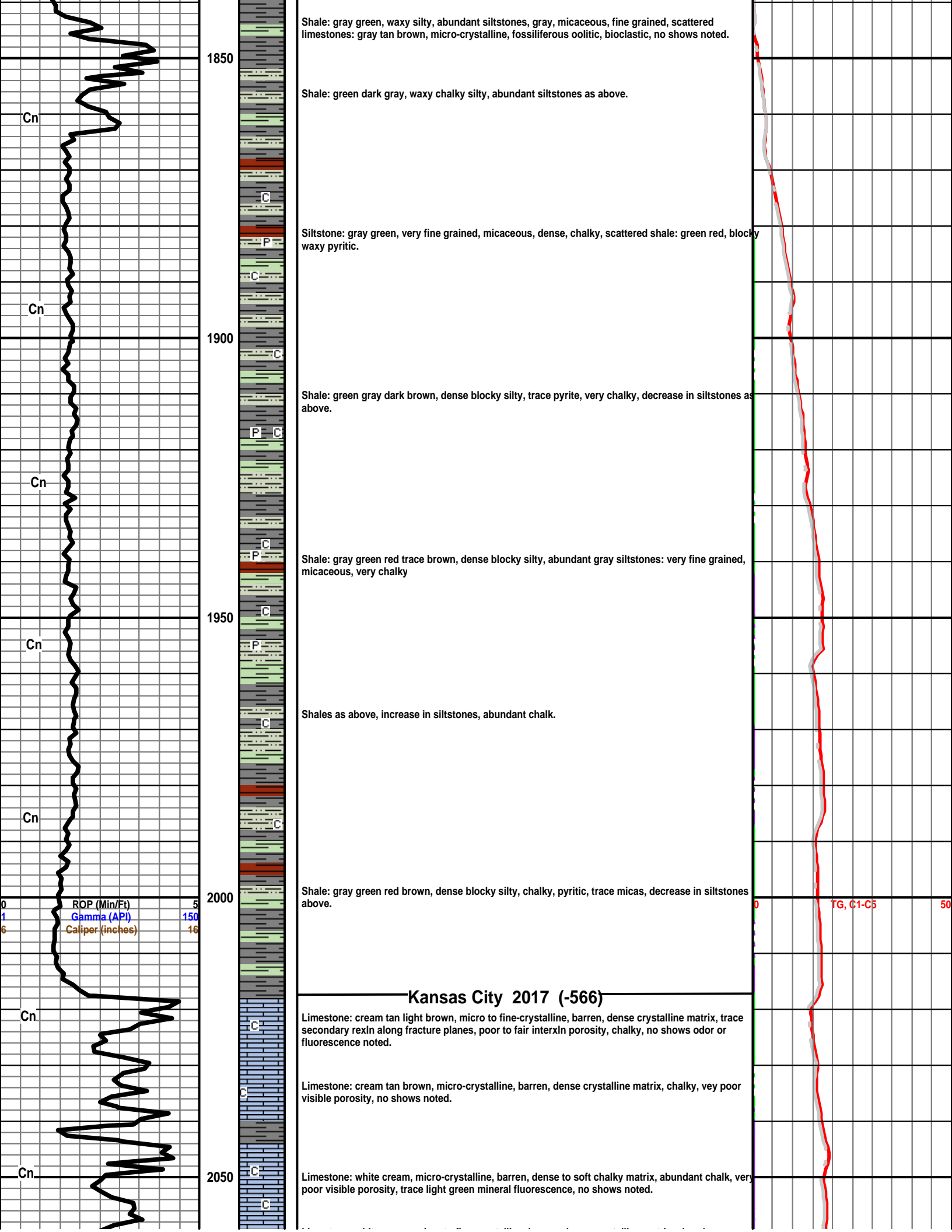
Drilling Well				
Edison Operating - Vestring #1-30 Sec. 30 - T23S - R06E 660' FSL & 900' FEL				
1451 KB				

Comparison Well			
The Reach Group - Vogleman #1 Sec. 31 - T23S - R06E SW NE NE			
Dry 1449 KB		Structural Relationship	

Comparison Well			
Barker - Wiebe #1 Sec. 31 - T23S - R06E SW SE NW			
Dry 1459 KB		Structural Relationship	

Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log
Lansing	1734	-283			1741	-292	9		1665	-206	-77	
Kansas City	2017	-566			2024	-575	9		1940	-481	-85	
Stark	2113	-662			2122	-673	11					
Hushpuckney	2136	-685			2148	-699	14					
Base Kansas City	2154	-703			2167	-718	15		2100	-641	-62	
Marmaton	2252	-801			2263	-814	13					
Pawnee	2346	-895			2360	-911	16					
Fort Scott	2375	-924			2391	-942	18					
Cherokee	2386	-935			2402	-953	18					
Mississippian Chert	2550	-1099			2552	-1103	4					
Mississippian Lime	2605	-1154			2610	-1161	7					
Kinderhook	2638	-1187			2658	-1209	22					
Total Depth	2700	-1249			2800	-1351	102		2425	-966	-283	





Shale: gray green, waxy silty, abundant siltstones, gray, micaceous, fine grained, scattered limestones: gray tan brown, micro-crystalline, fossiliferous oolitic, bioclastic, no shows noted.

Shale: green dark gray, waxy chalky silty, abundant siltstones as above.

Siltstone: gray green, very fine grained, micaceous, dense, chalky, scattered shale: green red, blocky waxy pyritic.

Shale: green gray dark brown, dense blocky silty, trace pyrite, very chalky, decrease in siltstones as above.

Shale: gray green red trace brown, dense blocky silty, abundant gray siltstones: very fine grained, micaceous, very chalky

Shales as above, increase in siltstones, abundant chalk.

Shale: gray green red brown, dense blocky silty, chalky, pyritic, trace micas, decrease in siltstones above.

Kansas City 2017 (-566)

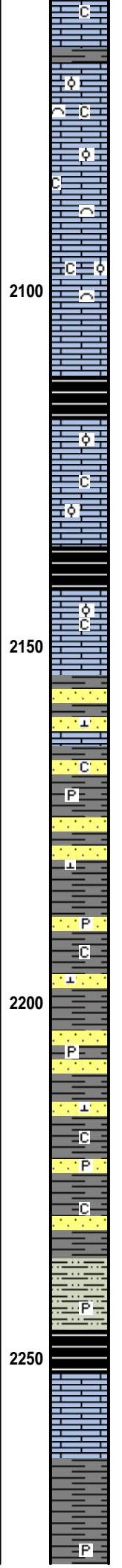
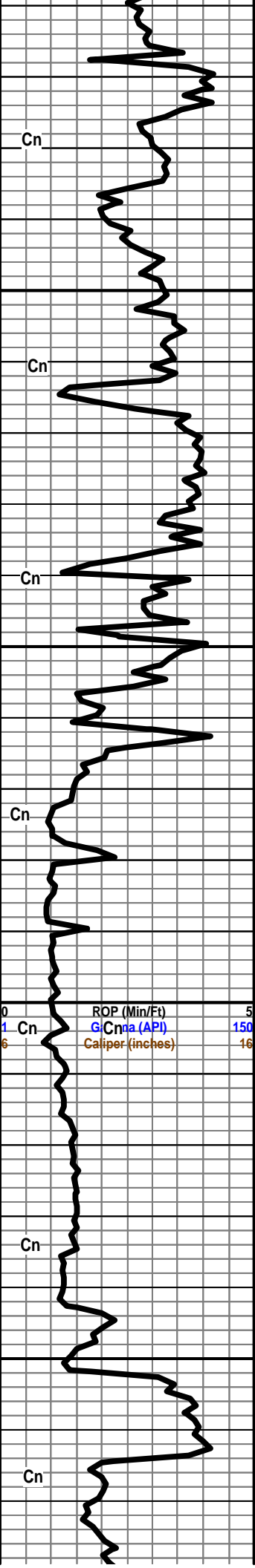
Limestone: cream tan light brown, micro to fine-crystalline, barren, dense crystalline matrix, trace secondary rexln along fracture planes, poor to fair interxln porosity, chalky, no shows odor or fluorescence noted.

Limestone: cream tan brown, micro-crystalline, barren, dense crystalline matrix, chalky, vey poor visible porosity, no shows noted.

Limestone: white cream, micro-crystalline, barren, dense to soft chalky matrix, abundant chalk, very poor visible porosity, trace light green mineral fluorescence, no shows noted.

ROP (Min/Ft) 5
Gamma (API) 150
Caliper (inches) 16

TG, C1-C5 50



Limestone: white cream, micro to fine-crystalline, barren, dense crystalline matrix, abundant secondary calcite crystals, decrease in chalk, scattered poor to fair interxn porosity, no shows noted.

Limestone: cream tan white, micro to fine-crystalline, fossiliferous, dense crystalline matrix, abundant secondary calcite crystals, decrease in chalk, scattered poor to fair interxn porosity, no shows noted.

Limestone: cream brown, micro to fine-xln, fossiliferous oolitic bioclastic, dense fossiliferous matrix, scattered poor interxn porosity, no shows note

Limestone: cream brown, micro to fine-xln, fossiliferous oolitic increase in bioclastic, dense fossiliferous matrix, increase in lithographic facies, poor visible porosity, chalk, no shows noted.

Stark Shale 2113 (-662)

Shale: black gray, fissile blocky micaceous carbonaceous.

Limestone: tan brown trace white, micro-crystalline, fossiliferous broken hash oolitic, dense crystalline/fossiliferous matrix, very poor visible porosity, chalky, no shows, odor or fluorescence noted.

Hushpuckney 2136 (-685)

Shale: gray green black, waxy silty micaceous trace carbonaceous.

Limestone: white gray tan, micro-crystalline, fossiliferous, trace oolitic, dense lithographic matrix, very poor visible porosity, no shows noted.

Base Kansas City 2155 (-703)

Shale: gray green, waxy chalky silty, sandstone: clear to opaque, poorly sorted, sub-angular to sub-rounded, well cemented, calcareous matrix, chalky, no shows noted.

Sandstone: quartz, clear opaque light green, fine to medium grained, poorly sorted, sub-angular to angular, well cemented silty chalky matrix, with abundant gray waxy pyritic shales.

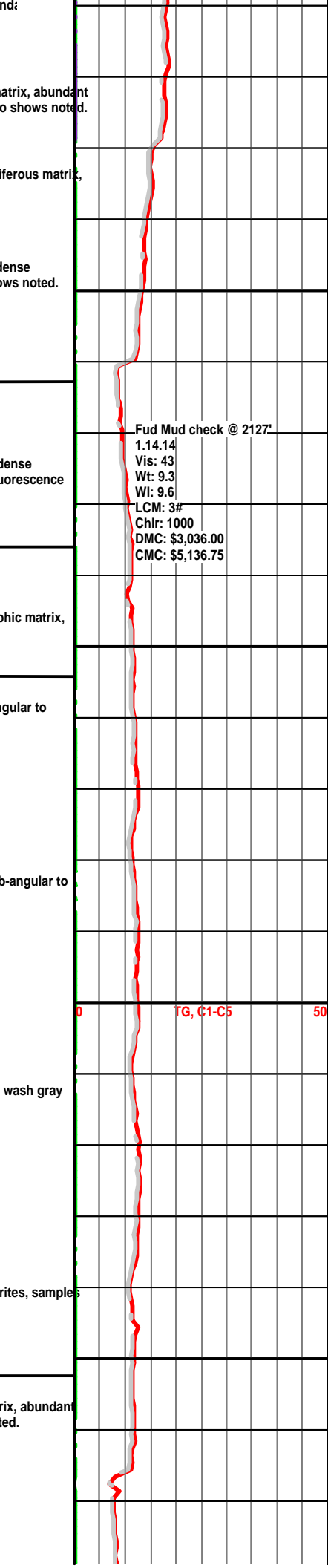
Sandstones as above with increasing mica and pyrite, large increase in chalk, samples wash gray white, with abundant gray shales as above

Siltstone: gray green, very fine grained, dense chalky matrix, abundant micas, large pyrites, samples gray / white.

Shale: gray black, dense waxy carbonaceous.

Marmaton 2252 (-801)

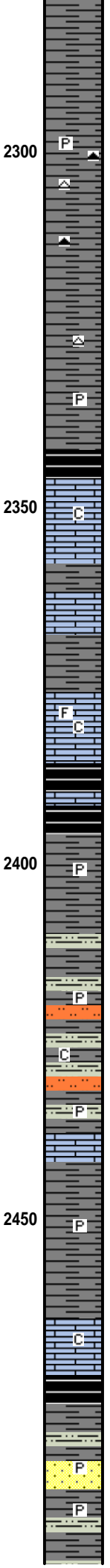
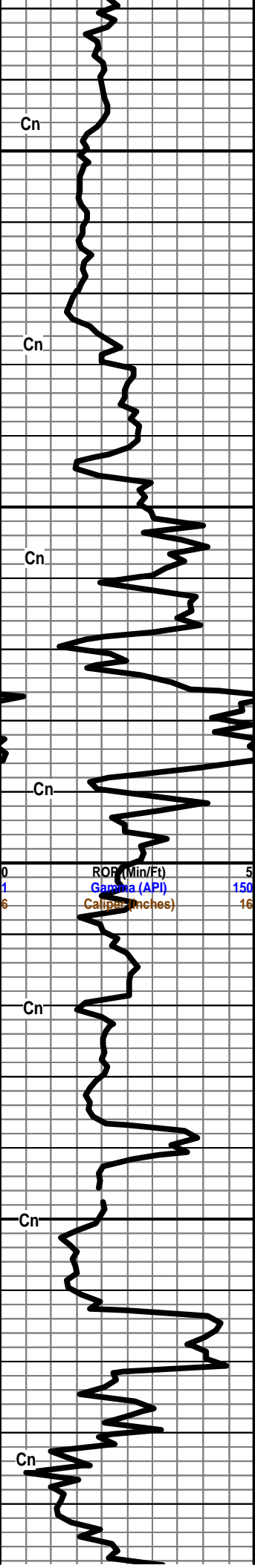
Limestone: white cream tan light green, micro to fine-crystalline, dense crystalline matrix, abundant secondary relxn, poor interlxn porosity, pale green mineral fluorescence, no shows noted.



Fud Mud check @ 2127'
 1.14.14
 Vis: 43
 Wt: 9.3
 WI: 9.6
 LCM: 3#
 Chlr: 1000
 DMC: \$3,036.00
 CMC: \$5,136.75

ROP (Min/Ft) 5
 Gamma (API) 150
 Caliper (inches) 16

0 TG, C1-C5 50



Shale: gray green dark brown, dense silty blocky, abundant siltstones: gray, very fine grained, micaceous pyritic, well cemented, no shows.

2300 P ▲
▲
▲

Shale and siltstones as above, with increase in chert: white tan yellow orange, sharp fresh, no shows.

Cn ▲
▲

Shale: gray dark gray black, waxy blocky dense micaceous pyritic, decrease in siltstones.

P ▲

—Pawnee 2346 (-895)—

2350 C ▲

Limestone: white cream tan, micro to fine-crystalline, fossiliferous, dense chalky crystalline matrix, poor visible porosity, no shows noted.

Cn ▲

Limestone: white cream, micro-crystalline, trace fossils, dense chalky matrix, very poor visible porosity, pyritic, abundant chalk, no shows or fluorescence note

F
C

—Cherokee 2386 (-935)—

Cn ▲

Shale: gray brown black, dense blocky pyritic trace carbonaceous.

2400 P ▲

Shale: gray dark gray trace green, dense blocky fissile, pyritic, abundant limestones as above?

Cn ▲

Shales as above with increasing silty sandstones: gray dark gray, very fine grained, well cemented, micaceous pyritic, chalky.

P ▲
C ▲
P ▲

Cn ▲

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

2450 P ▲

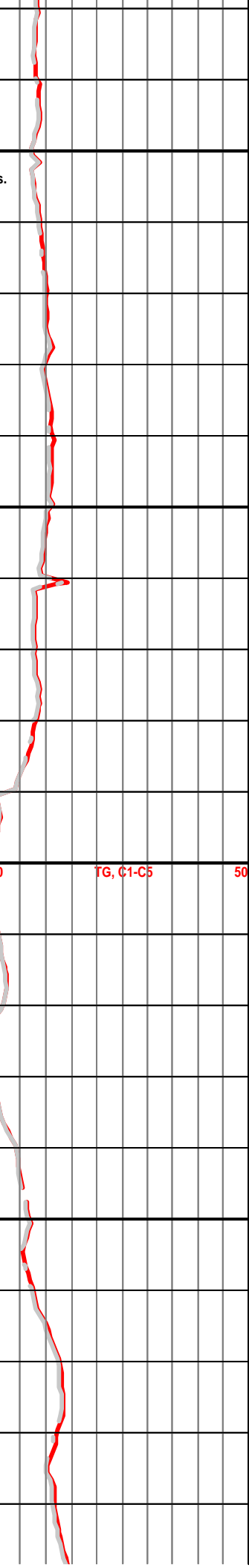
Limestone: cream tan, micro to fine-crystalline, fossiliferous, dense chalky matrix, very poor visible porosity, no shows noted

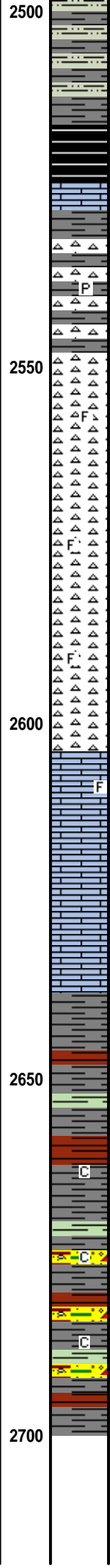
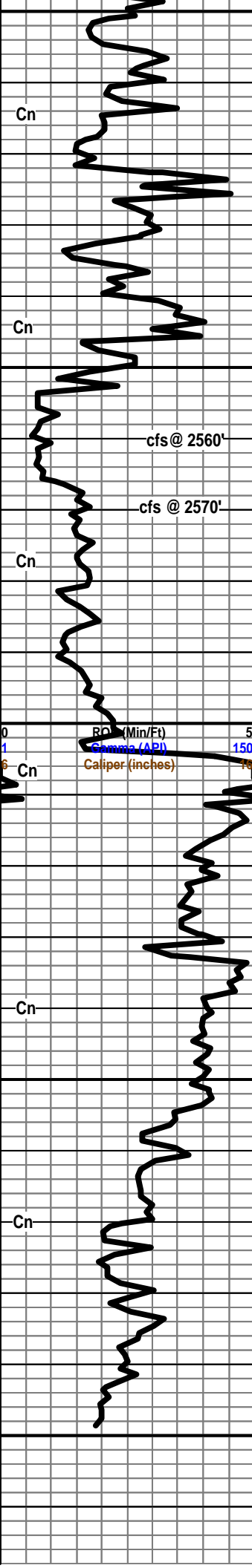
C ▲

Cn ▲

Shale: gray dark gray, dense blocky pyritic, scattered silty sandstones: clear opaque quartz, fine to medium grained, well cemented, sub-angular to sub-rounded, poorly sorted, micaceous pyritic.

P ▲
P ▲





Shales and siltstones as above, decrease in sandstone

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

Shale: green yellow gray, waxy fissile chalky, abundant chert: opaque white pink, sharp dense, no shows noted.

Shale: gray green yellow purple, waxy fissile chalky pyritic, abundant cherts as above, pyritic, chalky, no shows.

Mississippian Chert 2550 (-1099)

Chert: white tan, cryptoxln to micro-xln, dense sharp fresh, trace fossils, scattered poor to fair pinpoint edge porosity, overall porosity very poor, no shows odor or fluorescence.

Chert: white tan, micro-xln, dense sharp fresh, trace fossils, scattered poor edge pinpoint porosity, overall porosity poor, no shows or fluorescence noted.

Chert: white cream, micro to fine-crystalline, dense sharp fresh, fossiliferous oolitic, dense, scattered secondary crystals & translucent veins, trace edge pinpoint porosity, no shows odor or fluorescence.

Limestone: white light green, micro to fine-crystalline, trace fossils, dense to soft crystalline matrix, chalky, scattered poor interxln porosity, grainy texture in part, overall visible porosity very poor, no shows noted.

Limestone: white gray light green, cryptoxln to micro-xln, mostly barren, very dense cryptoxln matrix, recemented in part, trace chalk, very poor visible porosity, no shows odor or fluorescence,

Kinderhook?

Shale: gray dark gray green trace yellow, dense blocky fissile, pyritic, abundant limestones as above.

Shale: gray dark gray green yellow, dense blocky fissile, pyritic, trace chalk.

Shale: gray dark green yellow, dense blocky to waxy silty, chalky, scattered conglomerates: yellow white, samples wash gray/white, with chert: white sharp fresh.

RTD 2700 (-1249)

