



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: _____



1050165

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	GILES RANCH 4-10
Doc ID	1050165

Tops

Name	Top	Datum
HEEBNER	4242	-2053
LANSING	4448	-2259
MARMATON	4914	-2725
PAWNEE	4997	-2808
CHEROKEE	5048	-2859
MORROW SH	5158	-2969
MORROW SD	5202	-3013
MISS	5212	-3023
COWLEY	5640	-3451

ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

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

27151
SERVICE POINT:
Medicine Lodge, Ks

DATE <i>10/17/10</i>	SEC. <i>10</i>	TWP. <i>31s</i>	RANGE <i>22 W</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Gilley Ranch</i>	WELL # <i>4-10</i>		LOCATION <i>Bucklin, 2w, 12s w/s</i>			COUNTY <i>Com. Clark</i>	STATE <i>Ks</i>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Val #1*

TYPE OF JOB *1 3/8 Surface*

HOLE SIZE *1 7/8* T.D. *250*

CASING SIZE *1 3/8* DEPTH *245*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *300* MINIMUM

MEAS. LINE SHOE JOINT *NA*

CEMENT LEFT IN CSG. *30'*

PERFS.

DISPLACEMENT *30 3/4 Bbls Fresh H₂O*

OWNER *Falcon Expto.*

CEMENT AMOUNT ORDERED *250sx class A + 3% cc*

2% gel

COMMON *A 250 sx @ 15.45 3862.50*

POZMIX @

GEL *5 sx @ 20.80 104.00*

CHLORIDE *9 sx @ 58.20 523.80*

ASC @

HANDLING *264 @ 2.40 633.60*

MILEAGE *264 / 10 / 40 1056.00*

TOTAL *6179.90*

EQUIPMENT

PUMP TRUCK CEMENTER *D. Felio*

360-265 HELPER *M. Thimesch*

BULK TRUCK

457-251 DRIVER *R. Gilley*

BULK TRUCK

DRIVER

REMARKS:

Pipe on Bttm, Break Circ., Pump Spacer, Mix 250sx A 3t2 cement, Great Disp. w/ Fresh H₂O, Slowly, Stop Pump at 30 3/4 Bbls total Disp. Shut in, Cement Did Cure.

SERVICE

DEPTH OF JOB *245*

PUMP TRUCK CHARGE *1018.00*

EXTRA FOOTAGE @

MILEAGE *40 @ 7.00 280.00*

MANIFOLD *NA* @

TOTAL *1298.00*

CHARGE TO: *Falcon Expto.*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

None @

@

@

@

@

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE ~~6179.90~~

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE *[Signature]*

PRINTED NAME _____

ALLIED CEMENTING CO., LLC.

3000

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal KS.

DATE <u>10-28-10</u>	SEC. <u>10</u>	TWP. <u>31s</u>	RANGE <u>22w</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 AM</u>	JOB FINISH <u>2:00 AM</u>
<u>Giles Ranch</u> LEASE	WELL # <u>4-10</u>		LOCATION <u>Vec Bucklin KS.</u>		COUNTY <u>Clark</u>	STATE <u>KS.</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Val Rig #1

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D.

CASING SIZE 13 3/8 DEPTH 230

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 1200

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 220^{SK} 60/40:4%

gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

Light Weight 220 @ 14.05 3091.1

HANDLING 220 @ 2.40 528.0

MILEAGE 1760.0

TOTAL 5379.0

EQUIPMENT

PUMP TRUCK CEMENTER Kenny

372 HELPER Cesar

BULK TRUCK

472-468 DRIVER Jose

BULK TRUCK

DRIVER

REMARKS:

Plug @ 1200 50^{SK}

Plug @ 600 50^{SK}

Plug @ 280 50^{SK}

Top off @ 60ft 20^{SK}

20^{SK} MH / 30^{SK} RH

THANK YOU!

SERVICE

DEPTH OF JOB 1200

PUMP TRUCK CHARGE 1017.00

EXTRA FOOTAGE @

MILEAGE 80 @ 7.00 560.00

MANIFOLD @

TOTAL 1577.00

CHARGE TO: Falcon Exploration

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

N/A

TOTAL 0

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.

PRINTED NAME Michael Page

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES [Handwritten Total]

DISCOUNT [Handwritten Discount] IF PAID IN 30 DAYS

Company	Falcon Exploration, Inc.	Lease Name	Giles Ranch	
Address	125 N Market Suite 1252	Lease #	4-10	
CSZ	Wichita, KS 67202	Legal Desc	N/2 S/2 NE NE	Job Ticket 3402
Attn.	Keith Reavis	Section	10	Range 22W
		Township	31S	
		County	Clark	State KS
		Drilling Cont	Val Drilling #1	

Comments **Field: Liberty River**

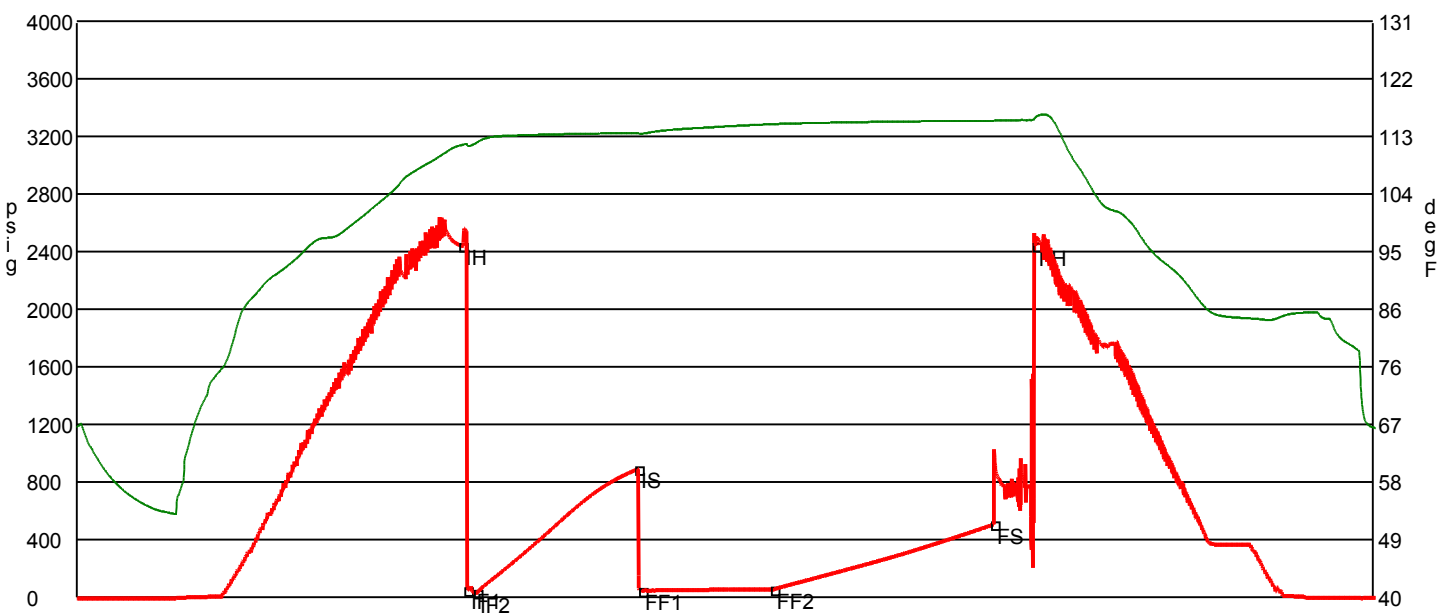
GENERAL INFORMATION

Test # 1	Test Date	10/25/2010	Chokes	3/4	Hole Size	7 7/8
Tester	Jimmy Ricketts		Top Recorder #	13767		
Test Type	Conventional Bottom Hole Successful Test		Mid Recorder #			
			Bott Recorder #	w1023		
# of Packers	2.0	Packer Size	6 3/4	Mileage	132	Approved By
				Standby Time	0	
Mud Type	Gel Chem			Extra Equipmnt	Jars, Safety Joint, and Large Packer	
Mud Weight	9.3	Viscosity	70.0	Time on Site	4:00 AM	
Filtrate	11.6	Chlorides	11200	Tool Picked Up	5:40 AM	
				Tool Layed Dwn	4:30 PM	
Drill Collar Len	0			Elevation	2179.00	Kelley Bushings 2189.00
Wght Pipe Len	0					
Formation	Morrow Sand		Start Date/Time	10/25/2010 5:18 AM		
Interval Top	5154.0	Bottom	5210.0	End Date/Time	10/25/2010 5:15 PM	
Anchor Len Below	56.0	Between	0			
Total Depth	5210.0					
Blow Type	Weak blow building to strong blow 4 minutes into initial flow period. Strong blow throughout final flow period. Times: 5, 90, 75, 121.					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
285	Faint gassy smell in pipe	100% 285ft	0% 0ft	0% 0ft	0% 0ft
30	Drilling mud	0% 0ft	0% 0ft	0% 0ft	100% 30ft
65	Gassy oil cut mud	9% 5.9ft	6% 3.9ft	0% 0ft	85% 55.2ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	10/25/2010 8:50:10 AM	3.536111	2442.7	111.516	Initial Hydro-static
IF1	10/25/2010 8:53:00 AM	3.583333	52.821	111.376	Initial Flow (1)
IF2	10/25/2010 8:58:10 AM	3.669444	33.231	111.896	Initial Flow (2)
IS	10/25/2010 10:27:20 AM	5.155556	891.513	113.389	Initial Shut-In
FF1	10/25/2010 10:29:30 AM	5.191667	48.2	113.271	Final Flow (1)
FF2	10/25/2010 11:42:30 AM	6.408333	57.548	114.785	Final Flow (2)
FS	10/25/2010 1:44:10 PM	8.436111	506.816	115.321	Final Shut-In
FH	10/25/2010 2:07:10 PM	8.819444	2440.526	115.846	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Keith Reavis
Consulting Geologist

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

Well Name: Giles Ranch #4-10
Location: Section 10 - T31S - R22W, Clark County, KS
License Number: API # 15-025-21519-0000
Spud Date: October 17, 2010
Surface Coordinates: 700' FNL & 660' FEL
Region: Liberty River
Drilling Completed: October 27, 2010

Bottom Hole
Coordinates:
Ground Elevation (ft): 2179' K.B. Elevation (ft): 2189'
Logged Interval (ft): 3950' To: 5872' Total Depth (ft): 5872' RTD
Formation: Mississippian
Type of Drilling Fluid: Chemical/Polymer/Gel

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

OPERATOR

Company: Falcon Exploration, Inc.
Address: 125 N. Market
Suite 1252
Wichita, KS 67202

GEOLOGIST

Name: Keith Reavis, KLG #136 & Brian Fisher KLG #103
Company: Consulting Geologist
Address: 3420 22nd Street
Great Bend, KS 67530

Falcon Exploration, Inc.

DAILY DRILLING REPORT

DATE	7:00 AM DEPTH	Last 24 Hour Operations
10/22/2010	4187	geologist on location @ 4058 ft, 0130 hrs, check Tooke system, correlate/tie in, drilling ahead drill King Hill, Heebner, Toronto, Douglas and into Lansing
10/23/2010	4696	drilling ahead through Lansing, geologist Brian Fisher relieve geologist Keith Reavis drill Stark, Lower KC
10/24/2010	5071	drilling ahead Marmaton, Pawnee, Cherokee and into Morrow Shale, short trip
10/25/2010	5210	geologist Keith Reavis relieve geologist Brian Fisher, drill Morrow Sand, gas kick warrants DST TOH for DST #1, conduct and complete DST #1, successful test, trip out tools and in with bit, resume drilling, cut into Mississippian
10/26/2010	5355	drilling ahead Mississippian, bit trip at 5455 ft, resume drilling
10/27/2010	5629	drilling ahead, Mississippian, Cowley, TD @ 1910 hrs at 5872 ft., condition hole, TOH for logs
10/28/2010	5872	Draw-works chain broke during trip, out, fix, re-mob logging truck, conducting logging Operations @ 1300 hrs, geologist off location @ 1430 hrs

Falcon Exploration, Inc.

WELL COMPARISON SHEET

Drilling Contractor: Val Energy, Inc. Rig #1 ph. 316-772-0848 Walt Purcell, Toolpusher, cell: 620-253-0646

Formation	DRILLING WELL Giles Ranch #4-10 700' FNL & 660' FEL Sec. 10 - 31S - 22W 2189 KB				COMPARISON WELL Giles Ranch #2-10 490' FNL & 1660' FEL Sec. 10 - 31S - 22W 2188 KB				COMPARISON WELL Giles Ranch #3-10 1880' FNL & 1680' FEL Sec. 10 - 31S - 22W 2164 KB			
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
King Hill	4084	-1895	4082	-1893	4078	-1890	-5	-3	4047	-1883	-12	-10
Heebner	4242	-2053	4242	-2053	4235	-2047	-6	-6	4201	-2037	-16	-16
Lansing	4449	-2260	4448	-2259	4443	-2255	-5	-4	4408	-2244	-16	-15
Muncie Creek	4638	-2449	4638	-2449	4632	-2444	-5	-5	4585	-2431	-18	-18
Stark Shale	4801	-2812	4799	-2810	4784	-2596	-18	-14	4747	-2583	-29	-27
Marmaton	4912	-2723	4914	-2725	4901	-2713	-10	-12	4884	-2700	-23	-25
Pawnee	4994	-2805	4997	-2808	4982	-2794	-11	-14	4942	-2778	-27	-30
Cherokee	5048	-2859	5049	-2859	5032	-2844	-15	-15	4992	-2828	-31	-31
Morrow Shale	5166	-2967	6157	-2968	5140	-2962	-15	-16	6098	-2934	-33	-34
Morrow Sand	5194	-3005	5196	-3007	5163	-2975	-30	-32	-20 to the #3-11			
Mississippian	5211	-3022	5212	-3023	5222	-3034	12	11	5126	-2962	-60	-61
Cowley Facies	5638	-3449	5640	-3451	not reached				5510	-3346	-103	-105
Kinderhookian	not reached								5898			
Viola									6019			
Simpson Shale									6308			
Arbuckle									6389			
Total Depth	5872	-3683	5877	-3688	5400	-3212	-471	-476	6505	-4341	658	653

RECOMMENDATIONS: Based on the results of DST #1 and electrical log analysis, it was recommended that the Giles Ranch #4-10 be plugged and abandoned as a dry test.

The well samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted
Keith Reavis and Brian Fisher

Company **Falcon Exploration, Inc.**
 Address **125 N Market Suite 1252**
 CSZ **Wichita, KS 67202**
 Actn. **Keith Reavis**

Lease Name **Giles Ranch**
 Lease # **4-10**
 Legal Desc **N/2 S/2 NE NE**
 Section **10**
 Township **31S**
 County **Clark**
 Drilling Cont **Val Drilling #1**

Job Ticket **3402**
 Range **22W**
 State **KS**

Comments **Field: Liberty River**

GENERAL INFORMATION

Test #1
 Tester **Jimmy Ricketts**
 Test Type **Conventional Bottom Hole Successful Test**
 # of Packers **2.0** Packer Size **6 3/4**
 Mud Type **Gal Chem**
 Mud Weight **9.3** Viscosity **70.0**
 Filtrate **11.6** Chlorides **11200**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **13787**
 Mid Recorder #
 Bot Recorder # **w1023**
 Mileage **182** Approved By
 Standby Time **0**
 Extra Equipmt **Jars, Safety Joint, and Large Packer**
 Time on Site **4:00 AM**
 Tool Picked Up **5:40 AM**
 Tool Layed Down **4:30 PM**
 Elevation **2178.00** Kelly Bushings **2189.00**

Drill Collar Len **0**
 Wght Pipe Len **0**
 Formation **Morrow Sand**
 Interval Top **5154.0** Bottom **5210.0**
 Anchor Len Below **58.0** Between **0**
 Total Depth **5210.0**

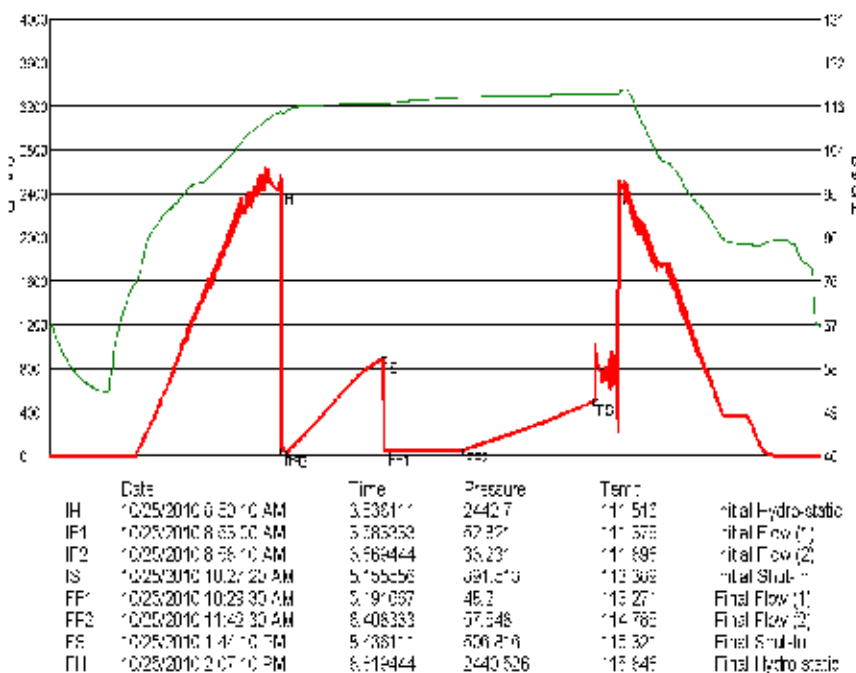
Start Date/Time **10/25/2010 5:18 AM**
 Enc Date/Time **10/25/2010 5:15 PM**

Flow Type **Weak blow building to strong blow 4 minutes into initial flow period. Strong blow throughout final flow period. Times: 5, 90, 75, 121.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
285	Part gassy smel in pipe	100% 235ft	0% 0ft	0% 0ft	0% 0ft
30	Drilling mud	0% 0ft	0% 0ft	0% 0ft	100% 30ft
65	Gassy oil cut mud	8% 5.9ft	8% 3.9ft	0% 0ft	86% 55.2ft

DST Fluids **0**



ROCK TYPES

LITHOLOGY

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol
	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	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

MINERAL

	Sltst
	Sand
	Dol
	Chlorite
	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlt
	Dol

	Amph
	Belm
	Bioclst
	Brach
	Bryozoa
	Cephal
	Coral
	Crin
	Echin
	Fish
	Foram
	Fossil
	Gastro
	Oolite
	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom

STRINGER

	Red shale
	Sh
	Sandylms
	Lms
	Gryslt
	Grysh
	Dol
	Clystn
	Carbsh
	Anhy
	Arg
	Bent
	Coal
	Dol
	Gyp
	Ls
	Mrst

	Feldspar
	Ferrpel
	Ferr
	Glau
	Gyp
	Hvymin
	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff

	Sltstng
	Ssstng

TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

OIL SHOW

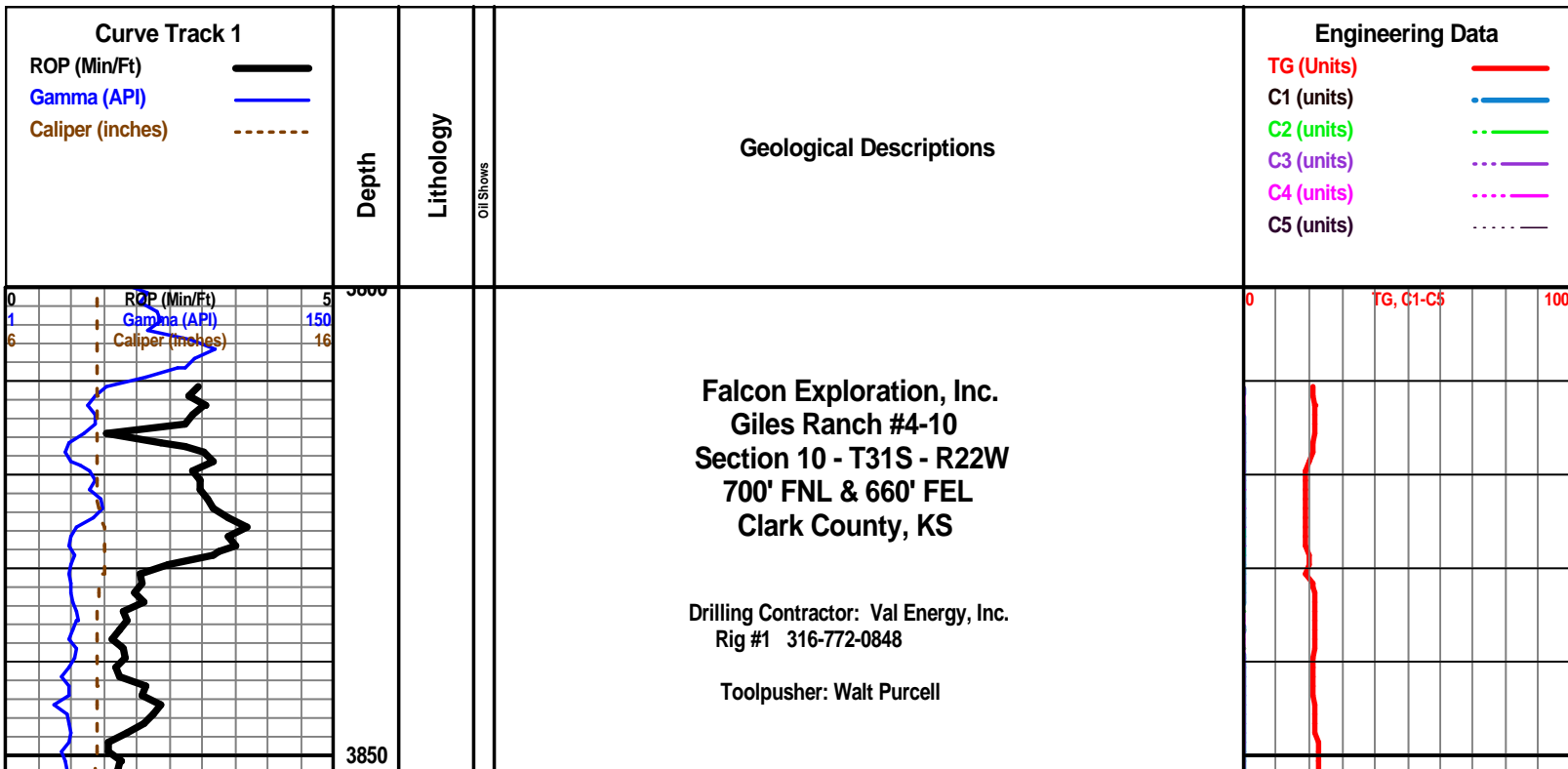
	Gas show
	Good
	Fair
	Poor
	Dead

INTERVAL

	Dst
	Core
	Dst
	Straddle test tail pipe

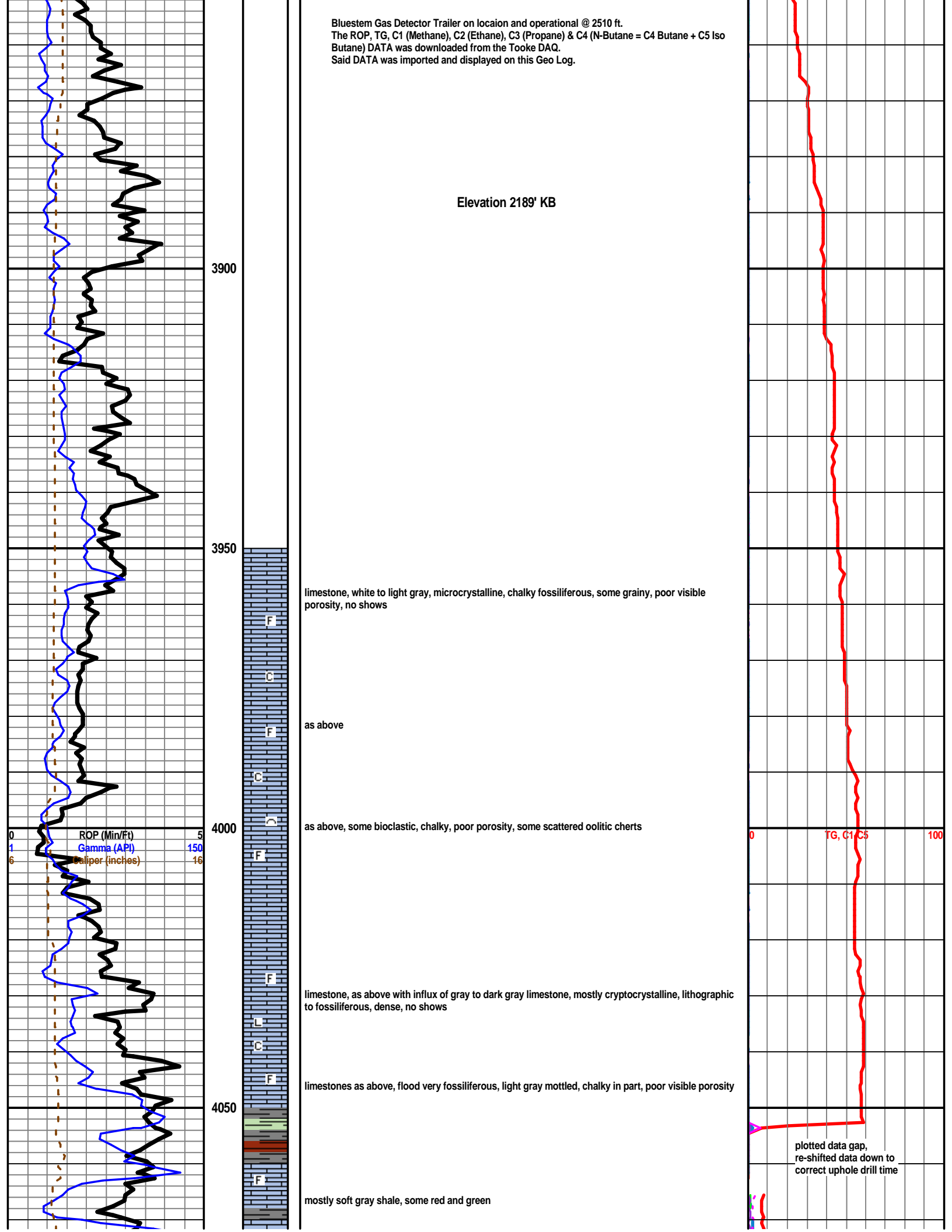
EVENT

	Rft
	Sidewall
	Dst
	Open hole
	Perforations



Bluestem Gas Detector Trailer on location and operational @ 2510 ft.
 The ROP, TG, C1 (Methane), C2 (Ethane), C3 (Propane) & C4 (N-Butane + C5 Iso Butane) DATA was downloaded from the Tooke DAQ.
 Said DATA was imported and displayed on this Geo Log.

Elevation 2189' KB



3900

3950

4000

4050

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

TG, C1, C5 100

limestone, white to light gray, microcrystalline, chalky fossiliferous, some grainy, poor visible porosity, no shows

as above

as above, some bioclastic, chalky, poor porosity, some scattered oolitic cherts

limestone, as above with influx of gray to dark gray limestone, mostly cryptocrystalline, lithographic to fossiliferous, dense, no shows

limestones as above, flood very fossiliferous, light gray mottled, chalky in part, poor visible porosity

mostly soft gray shale, some red and green

plotted data gap, re-shifted data down to correct uphole drill time

King Hill Shale 4084 -1895

black carbonaceous shale

4100

gray shales

limestone, cream to gray to light gray, mottled to grainy, micro-cryptocrystalline, fossiliferous to very fossiliferous, chalky in part, poor visible porosity, no shows, poor fluorescence, some chalk

4150

as above, some increase in chalk

4200

limestone, white to light gray, microcrystalline, chalky, fossiliferous, some scattered pinpoint porosity, with limestone, gray, mottled, microcrystalline, fossiliferous, chalky to weathered, poor visible porosity, no shows, abundant chalk in samples

TG, C1-C5 100

Mud-Co Mud Ck @ 4208' 0805 hrs 10/22/10 Vis 64 Wt 9.4 PV 20 YP 26 WL 16.4 Cake 1/32 PH 10.0 CHL 11500 ppm Cal 120 Sol 7.1 LCM: 0 #/bbl DMC: \$2107.15 CMC: \$11256.90

black carbonaceous shale

4270 sample, flood brick red to orange silty shale and siltstone, friable, wash red, appx 50% of sample

Heebner 4242 -2053

black carbonaceous shale

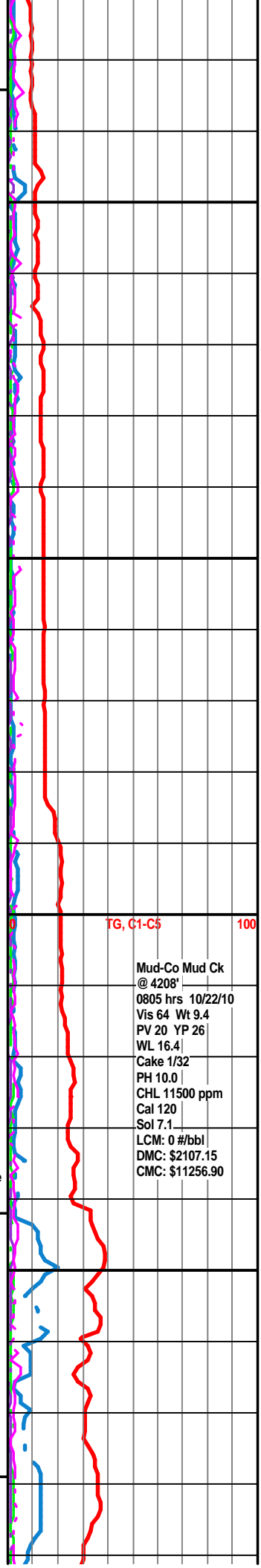
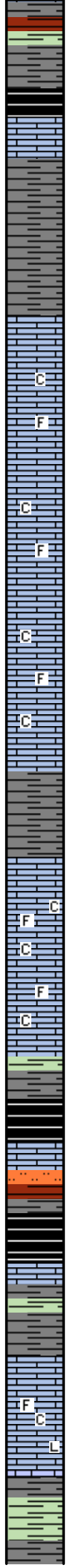
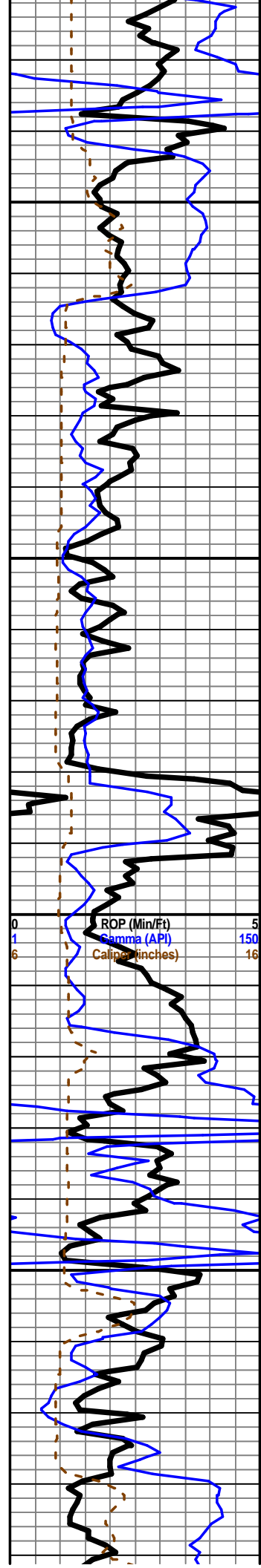
4250

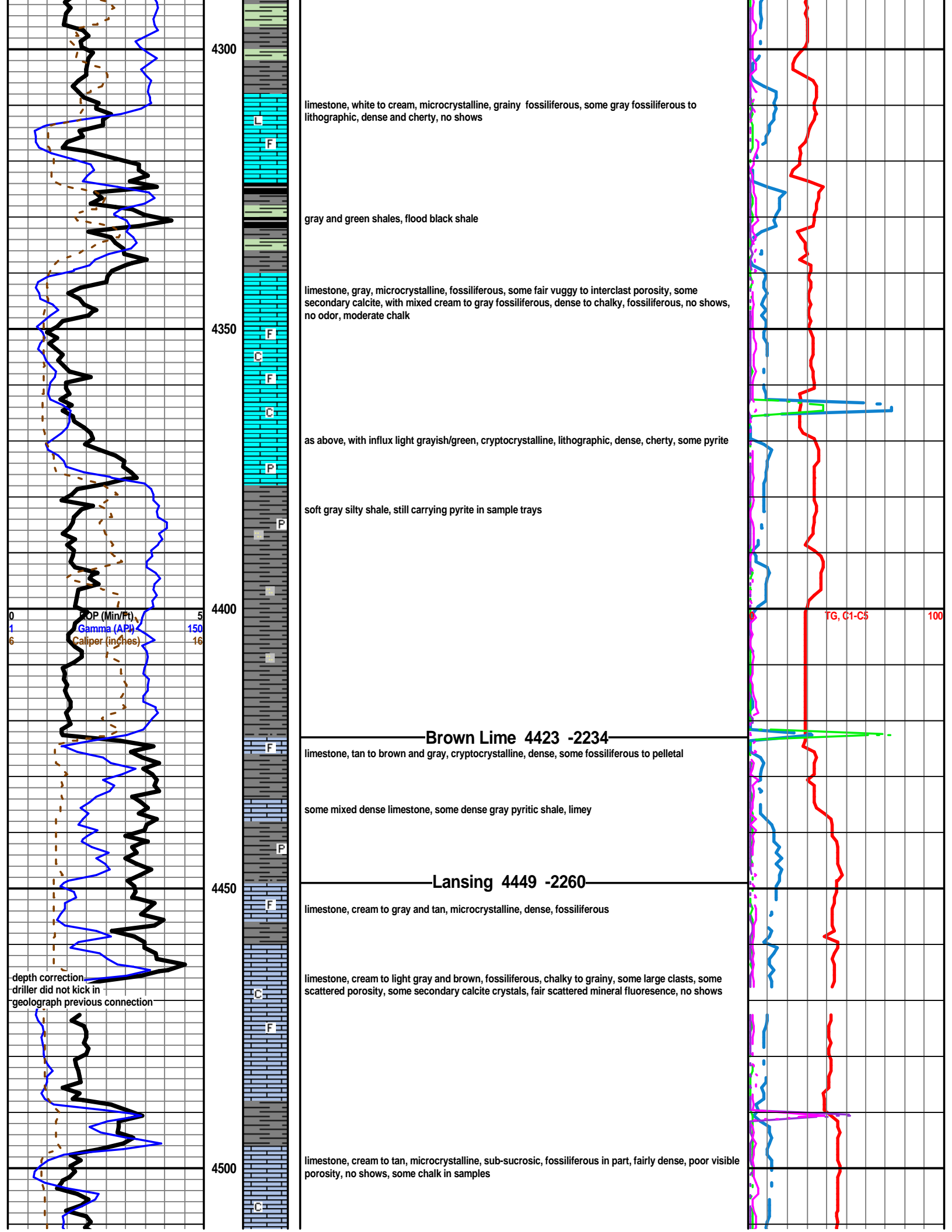
brown dense fossiliferous limestone

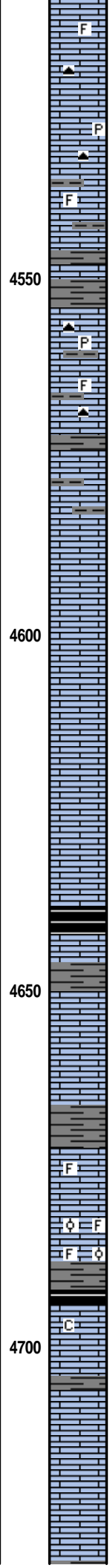
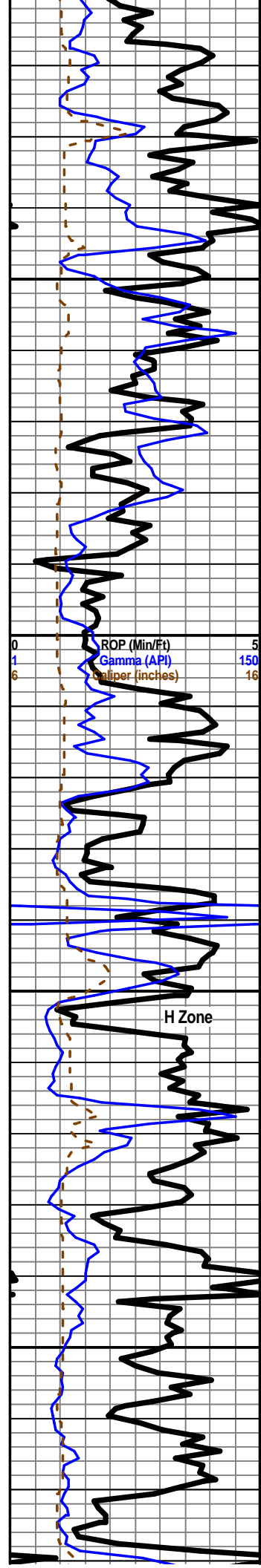
limestone, white to cream, microcrystalline, crystalline to lithographic, some slightly fossiliferous, poor visible porosity, no shows

Douglas 4279 -2090

mixed soft gray to green shales







limestones, mixed dense fossiliferous, some dark gray lithographic, pyrite nodules, some scattered gray chert, no shows, scattered gray shale and limey shales

as above, increasing cherts

as above, mostly darker grays and brown limestones, moderate cherts, still carrying pyrite

limestone, tan to gray, microcrystalline, fossiliferous, chalky, poor visible porosity, no shows

limestone, gray to brown, micro-cryptocrystalline, dense, cherty, fossiliferous, no shows

limestone, mixed fossiliferous, some chalky, earthy, some secondary calcite, poor visible porosity, no shows

MUNCIE CREEK SHALE

limestone, some cream to tan, fossiliferous, bioclastic, abundant secondary calcite, poor visible porosity, with limestone, dense gray to tan fossiliferous, cherty, abundant chalk in samples, no shows

Brian Fisher on location at 11:45 am, Meet with Keith Reavis, go over equipment and procedures. Dump water jar, check extrat., Rezero to 5 units back ground. 10/23/10.

Sh. med gray, Ls. med gray, dnse, lith to med xln, no vis por, Ls. off wh. lith dnse no vis por, few pieces Ls. med gray, sl foss in part, no vis por, all no shows.

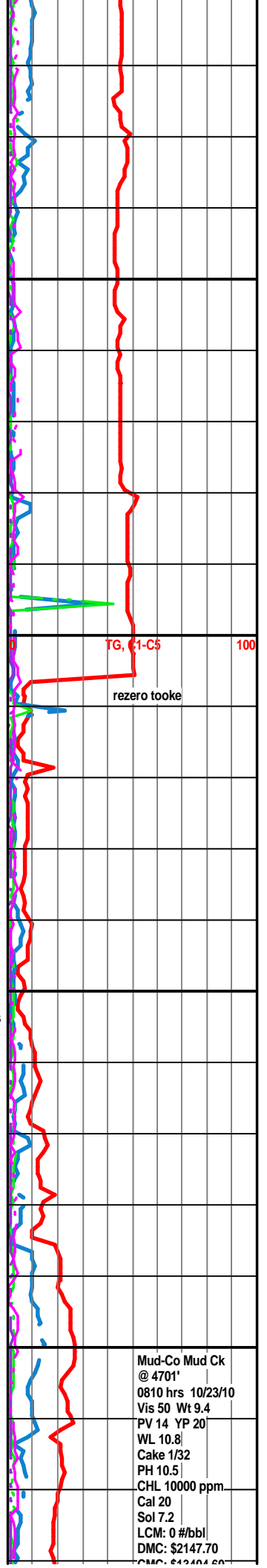
Ls med gray, very foss and oolitic in part, rest vfxln, well cmted, no vis por, No shows, rest as abv.

Ls as abv, with a few pieces of Ls med gray vfxln dnse, no vs por, no shows, few pieces of Ls. off wh. very chlky, No shows. Sml amt of Sh. dk gray, Sml amt of Sh. black carb.

Ls. off wh. vfxln, no vis por., few pieces of Sh. dk gray

Ls. off wh to very lt br. lith dnse to vxln, sml amt of Chert, no vis por, no shows. Sml amt of Sh. dk gray, Ls. off wh vfxln no vis por, No shows

Ls. off wh, vfxln to fxln, no vis por, No shows



Mud-Co Mud Ck @ 4701'
 0810 hrs 10/23/10
 Vis 50 Wt 9.4
 PV 14 YP 20
 WL 10.8
 Cake 1/32
 PH 10.5
 CHL 10000 ppm
 Cal 20
 Sol 7.2
 LCM: 0 #/bbl
 DMC: \$2147.70
 CMC: \$1200.00

Ls off wh. vfxln, sl foss in part, no vis por, decrease in Ls. Sml amt of Sh dk gray, also saw Ls. Ls off wh. fxlN to med xln no vis por no show, Also saw red SS or very sndy soft sh., red vfxln, very soft, prob cavings.

4750

Ls. off wh. vfxln, sl foss as abv, Ls. off wh vfxln to med xln, no vis por no shows, Ls. v lt br to tan, lith to vfxln, no vis por, several pieces frag with lt br. incls , no vis por No shows

Re Zero to 5 units back ground, test unit, dump condensate jar. Check agitator.

As abv, now with Ls. off wh, sl chky to vfxln, no vis por, No shows

Ls. off wh, dnse no vis por no shows, some Ls. off wh, soft to chlky, No shows

Ls. off off, soft, wh very chlky, also with Ls. very lt br, dnse no vis por no shows, sml amt of Ls. med br, very frag, no vis por, No shows.

Ls. very lt br to tan, dnse to a few pieces with vfxln, no vis por, Ls off wh vfxln, to dnse, no vis por, all No shows

4800

Stark Shale 4801 (-2612)

Shale Kick

TG, C1-C5

100

Sh. dk gray, sml amt of Sh. bl., sample was mostly Ls. med gray lith. no vis por., Ls off wh. vfxln, no vis No show.

Sh. dk gray

Ls. med gray as abv., Ls. off wh. med xln, no vis por, no show, also saw some Chert very lt gray, no vis por, with sml inclusions of foss or min. No shows.

Mainly Ls. med gray, lith to vfxln, no vis por, no shows, Ls. wh to off wh, vfg also lith to vfxln no vis por, No shows. Few pieces Sh bl carb, note saw 1 piece of bl Sh and med br Ls as a single rock fragment.

Shale Kick

Mainly Ls. off wh vfxln to very chlky, some with med size rnded cal grains, soft, no vis por, Ls. med br lith dnse, no vis por, sml amt of Sh. bl carb. All no shows.

4850

Ls. med br, lith dnse no vis por, Ls. off wh. vfxln to med xln no vis por, all no shows, trace Sh. bl. carb.

General back ground increase, no shows seen in rocks

Ls. med to lt br. lith dense no vis por, Ls. off wh. vfxln to med xln no vis por, Ls. med br, vfxln to med xln, no vis por, All rocks had no shows.

Mixture of Ls. med br., lith to med grained with trace relic oolites, trace intergran por on edges, no vis show, no flor, no odor, Ls. cream to off wh, lith no vis por, trace Ls. off wh chlky, No shows., trace Sh bl carb.

Ls. med br., lith dense no vis por, No show, also some Ls. med br., lith, grading to med xln on some edges - poss trace vug por ?? No stain no odor, no solvent cut, no flor (No shows), few pieces of Chert br., no vis por, Ls. off wh., vfxln to med xln, poor por, All no shows.

Ls. med br to lt br, lith to off wh in part, trace med xln, but wellcmtd, also with some med cryst in a few pieces indicating poss. vug por, Ls. med to lt br, lith grading to vfxln, no vis por, Some Ls. off wh. fxlN, w/ no vis por, also granular to frag in part, no vis por, Sml amt of Ls. dk gray, med xln no vis por., All with no shows.

4900

Ls. off wh, med grain, gran, poss recry oolites, also with clear calcite grains, no vis por seen, Also Ls. lt br, lith no vis por, also Cherty in part, with no vis por. All with no shows seen. Trace of Sh. bl. carb.

Marmaton Limestone 4912 (-2723)

Conn. at 4915'.

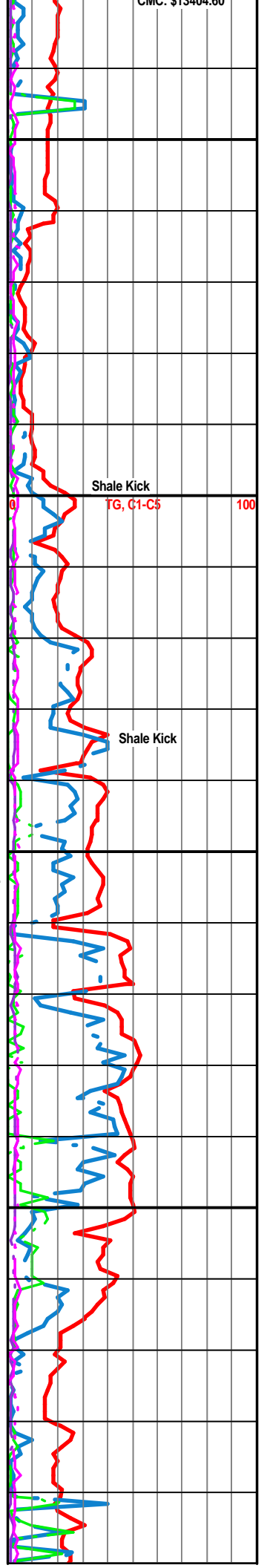
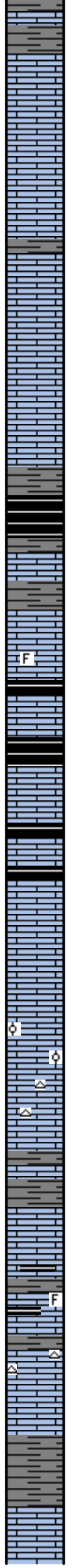
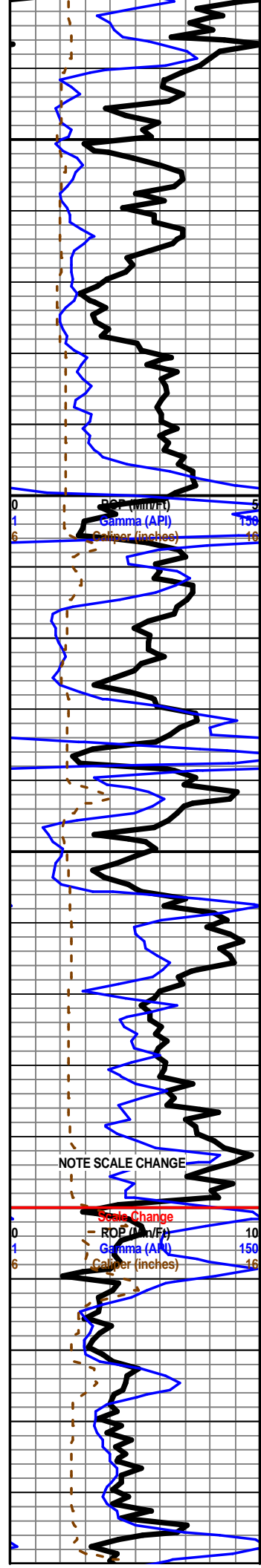
Ls. lt br. med xln, gran in part, few pieces are fossiliferous, with a few pyr xlms, med to vfg, no vis por, Ls. med br lith some w/ med xlms, no vis por, some w/ trace med xlms on edges suggest poss vug por., few pieces Chert med br, trans, no vis por, All no shows. Sh. dk gray, trace Sh. bl. carb.

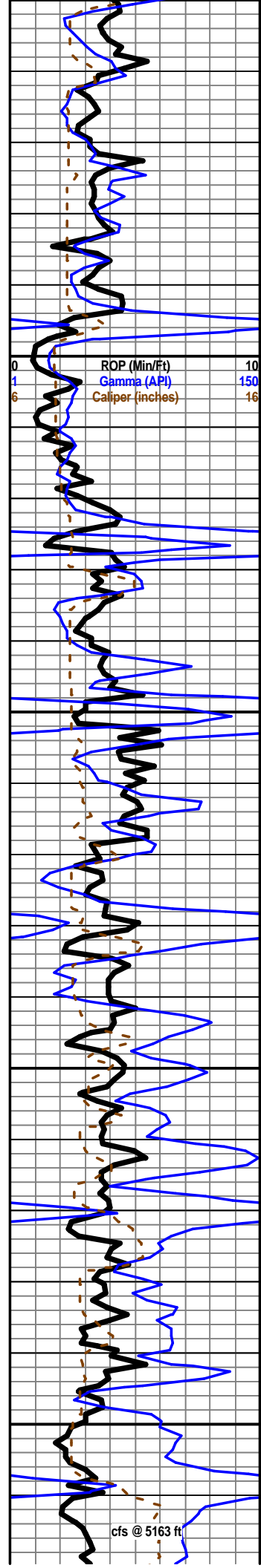
Ls. off wh, gran to med xln, very poor por in pieces, few had very lt wh. calcite min. flor, No shows, Ls lt br., lith dense no vis por, No shows.

Ls. off wh, med xln, very sli por seen, Sh med gray sli pyritic, Ls. off and mottled gray in color, vfxln, some gran in nature, very poor por., No shows.

Ls. off wh to sli med br in color, vfxln to lith, no vis por seen. trace br chert

4950





Ls. off wh lith no vis por., (few pieces have very pale min flor), Ls. lt br to very Lt gray in color, vfxln, no vis por, All No shows.

Ls. off wh to off wh, lith to vfxln in part, poor por seen in a few of the samples, some (a total of 3) pieces have a bright white flor, no free oil seen, no odor noted, when crushed under black light, a pale solvet cut appears. poss very sli inter gran por seen in these pieces, When dry has slight ring cut, rest of sample: Ls. very lt br, lith No show.

Ls. off as abv with no show, Ls. lt br lith to vfxln no vis por. Trace Sh. med gray, sli pritic, No shows seen

Ls off as abv, few pieces have very poor inter gran por, most with no vis por, Ls. very lt br vfxln, no por., increas in Sh med gray, few pieces are very pyritic. Saw in Ls, very lt br to off white, vfxln gran texture, a total of 4 sml pieces with bright white flor as before very weak as compared in 4960 sample. No odor, no free oil or stain seen. No ring cut when dry.

Pawnee Limestone at 4994 (-2805)

Sh. bl carb., (15 unit gas kick above back ground), Ls med br lith, few med xln, no vis por. some with recry oolites, well cmted, no vis por, Few pieces: Ls off wh, vfxln to slightly med xln, one piece seen with poor inter gran por on edge, sample has a brght wh flor over all, poss trace of a br stain, no free oil, poss trace of faint odor, very pale cut under black light. Ring cut when dry.

Cir at 5019 to eval Pawnee Ls. rocks, Ls lt br lith to vfxln poor inter gran por, over all sample has a very faint calcite min flor. no stain, no odor no flor seen. Sh. dk gray, sli pyritic.

30 min sample: Sample only has weak calcite min flor overall, Ls. lt br as before, few are med xln no vis por seen, also fxln to lith, trace vug por, 1 piece seen with poss bl tarry stain - no cut. No odor No other shows. 60 min: increas in Ls lt. br. med grain with no vis por, sample has sl min flor, trace of faint odor?, No other shows seen. No show seen in 90 min sample.

Sh. bl , carb. Sh dk gray, Ls. med br to lt br, trace poor inter gran por, also gradding to lith with no vis por, also with sml coral frag, Ls. off wh vfxln, no por seen, few have bright calcite min flor, no cut, All rocks - no Shows.

Ls. med br, mainly lith, no vis por, few pieces med xln to fine xln no vis inter gran por, few pieces very frag with no por, trace of gray and bl carb sh. No Shows.

Cherokee Shale 5048 (-2859)

Sh. bl carb, Ls. as abv., No shows

Ls. lt br, to md br, vfxln, with no vis por, sl foss in part, also frag in part, tarace foss. Ls med br to tan, Ls. lt br, vfg, no vis por, Ls. lt br, lith no vis por, Sh bl. carb, Ls gray green lith, Ls. tan lith, All no ight shows. min flor, All rocks - no Shows.

Ls. off wh to lt br, vfxln as abv, Ls. med br and gray, lith no vis por., Sh bl carb All rocks no Shows.

Ls off wh, mostly lith, few are vfxln, no vis por seen, Ls tan lith, Sh dk gray, Sh. bl carb., Ls. off wh very frag grains, no vis por. No Shows.

Ls. off wh vfxln as abv, Ls. tan lith as abv., Increae in Sh bl carb., Ls. off wh, lith, few pieces have a very faint calcite flor. All rocks no shows.

Ls off wh vfxln to fxln, no vis por- few pieces have very faint calcite min flor, Ls. med br, vfg to fxln, few pieces with poor por on edges, sh bl carb, trace Chert med br. No shows.

Note saw 40 unit gas kick over back ground at 5095' sample caught at 5106: Ls off wh, vfxln, frag, trace good por seen in only 2 pieces, poss dk oil stain on 1 piece, No cut, Flor or odor. Sh bl carb, with sli trace of gas in wet sample.

All as abv, Entire sample No flor, dease of Sh. bl. carb, trace of Chert lt br translucent. trace sh med gray, few pices of Ls. med br med to fxln no vis por. No sample flor except a very wk calcite flor in a few pieces, No other sample shows noted.

All as abv, Sh bl carb - with sml gas bubbles, No other shows seen.

All as abv, All rocks no shows, increase in Sh. bl carb

Ls med to lt br to tan, lith, no vis por, also a few pieces that are fxln to gran - no vis por, Sh bl carb, with pyrite, No shows

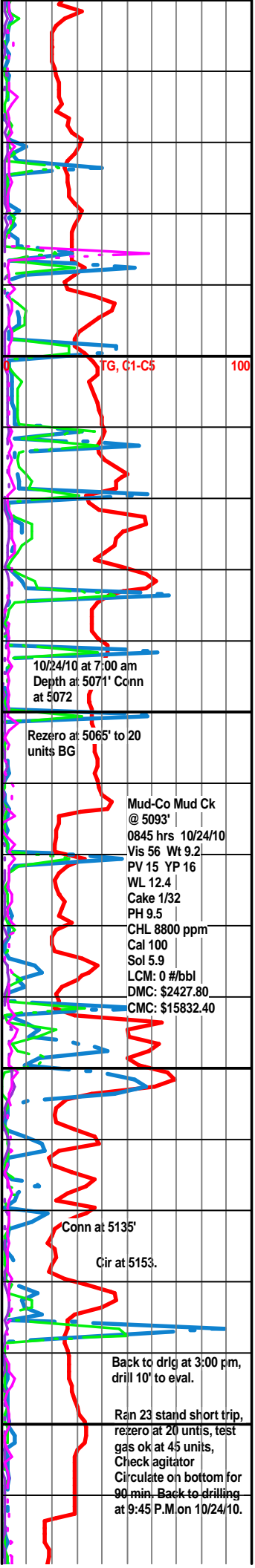
All as abv, increase in Ls. lith dnse, no vis por, also increase in Sh bl carb. No shows.

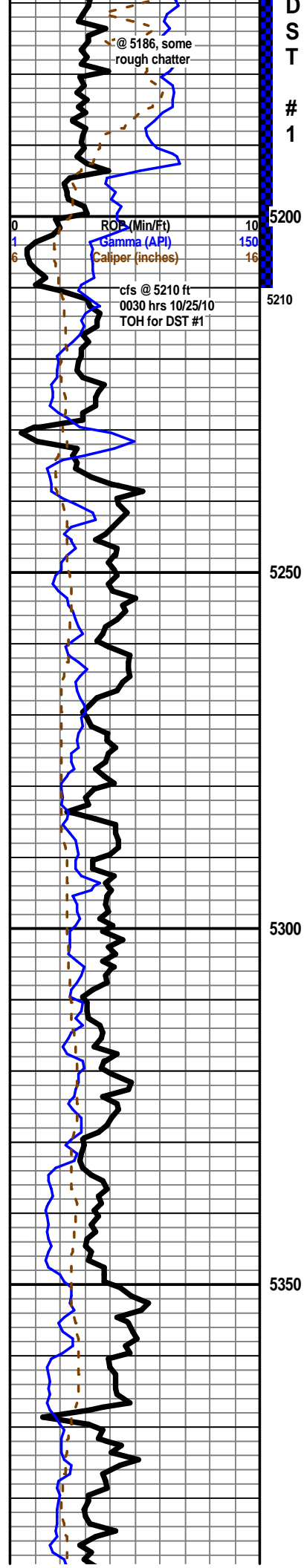
Inola Limestone 5142 (-2953)

Ls. off wh, vfxln to fxln, partly grainey in appearance, sl frag. no vis por, Sh bl carb, sl gassy, Ls. lt br lith, no vis por, Some of the sample has a very faint calcite min flor, No Shows.

Morrow Shale 5156 (-2967)

Cir at 5153', 30 min: Ls. off wh to lt br, vfxln to gran, no vis por, Ls. lt br, lith no vis por, saw 1 piece with fair por, with poss dead oil stain, No Cut, No flor, No odor in sample. Over all very sl calcite min flor in total sample. Sh. bl carb, pyrit, Trace Ls wh chly soft, Saw 1 piece of of Ls. br & green vfxln, no por, 60 min: same, saw 1 piece: Ls. lt br. lith saw trace of vug por, No shows 90 min: same, saw 3 pieces of gr. shale, poss Morr ? No Shows 120 min: same w/ 3 pieces gray-gr Sh.





shale, olive green to green, some striated, some large sand grains
 geologist Keith Reavis relieve geologist Brian Fisher 2200 hrs 10/24/10
 shale as above with stringers of sandstone, white to pale green, quartz, very fine grained, sub angular to sub-round, fairly sorted, well cemented, no shows, no fluorescence

Morrow Sand 5194 -3005
 chert, blue gray, mostly sharp and fresh, some weathered, fossiliferous and pyritic in part, no show, with sandstone as above, some chert inclusions to chert loaded, no shows
 60 min, as above, increase in sand, fairly pyritic, no shows, odor or fluorescence

Mississippian 5211 -3022
 limestone, white to cream, oolitic, mature, chalky, some glauconitic, with some slightly dolomitic cream fossiliferous to oolitic limestone, dense, some faint fluorescence, abundant chalk, no shows or odor
 as above (drill break drilled smoothly) found a few clusters of sandstone (sluff from above?) with trace very light oil droplets on break, still abundant chalk
 limestones as above, still carrying some cherts and sandstone from Morrow
 limestone, white to cream mature oolitic, chalky, some glauconitic, to cream to light gray dense flattened oolitic, cryptocrystalline, no shows, some dolomite, gray, microcrystalline, arenaceous, no visible porosity, dense, no shows
 as above, some scattered chert and pyrite
 as above
 limestone as above, increase in mature chalky oolitic, dolomite drops out, increase in chert and pyrite, chert is light gray fossiliferous to oolitic
 as above

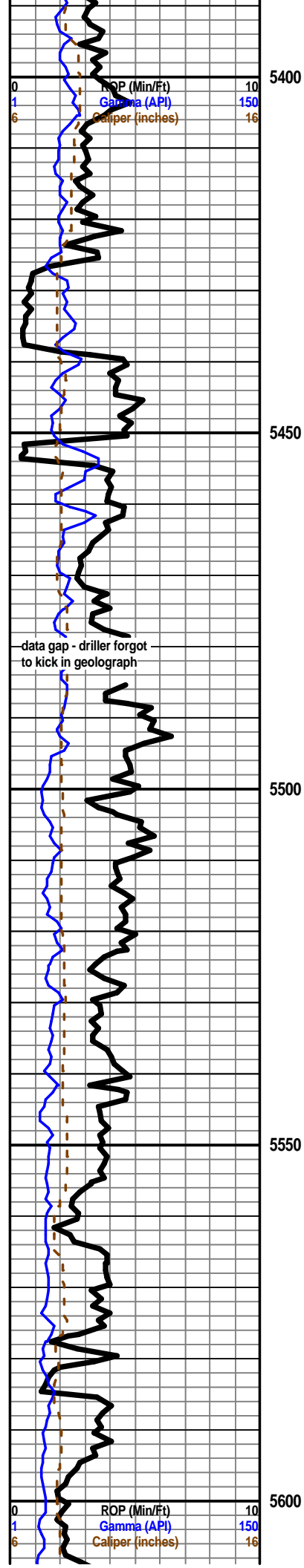
DST #1 5154'-5210' times
 5-90-75-120, recovery 285'
 faint GIP, 30' drilling mud,
 60' SGSOCM, FP's 52-33#
 & 48-57#, SIP 891-506#,
 HSH 2442-2440#, BHT 115
 deg F

70 units total

Scale Change
 TG, 11.15
 Mud-Co Mud Ck
 @ 5210'
 0755 hrs 10/25/10
 Vis 70 Wt 9.3
 PV 19 YP 24
 WL 11.6
 Cake 1/32
 PH 10.5
 CHL 11200 ppm
 Cal 20
 Sol 6.4
 LCM: 0 #/bbl
 DMC: \$1150.70
 CMC: \$16983.10

fresh air re-zero
 tooke

Mud-Co Mud Ck
 @ 5377'
 0730 hrs 10/26/10
 Vis 68 Wt 9.3
 PV 19 YP 26



as above

5450 sample, flood shale

5450 30 min cfs, limestone, gray and white mottled, pelletal to oolitic, weathered, very chalky, no shows, with dolomite, light gray, microcrystalline, sub sucrosic to arenaceous, poor visible porosity, no shows, fair green mineral fluorescence

as above

poor samples after trip (trip trash) some limestone, mixed limestones, white to gray and cream oolitic, chalky, glauconitic, dense gray to cream oolitic and fossiliferous, no shows

as above - few pieces gray dense fossiliferous limestone, some small vugs, bright fluorescence, trace light oil droplets on break, no odor

5500-5520 samples - limestone, gray to cream, microcrystalline, fossiliferous to oolitic, poor visible porosity, dense to sub-chalky, some scattered fair mineral fluorescence, in 5500 sample found some light free oil droplets under fluorescence, 5520 sample, found 2 bright white fluorescent specimens of cream fossiliferous limestone specimens, no stain, light free oil on break, one had slow bluish cut

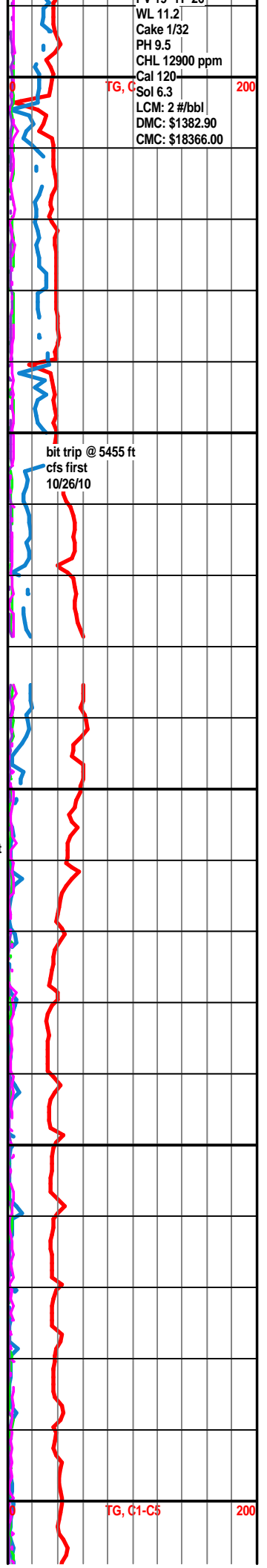
limestone as above, decreasing oolitic, no shows, with some limestone, white to light gray, very dense, fossiliferous in part, cherty, bright green mineral fluorescence, no show - still carrying abundant shale in samples

5560 sample, shales clean up drop out, limestone, gray to light gray, some slightly mottled, microcrystalline, fossiliferous to sub oolitic, some large clasts, chalky in part, no shows, no fluorescence, fairly homogeneous

as above, some recrystallized fossiliferous with small vugs, slightly dolomitic, some scattered light mineral fluorescence, no shows

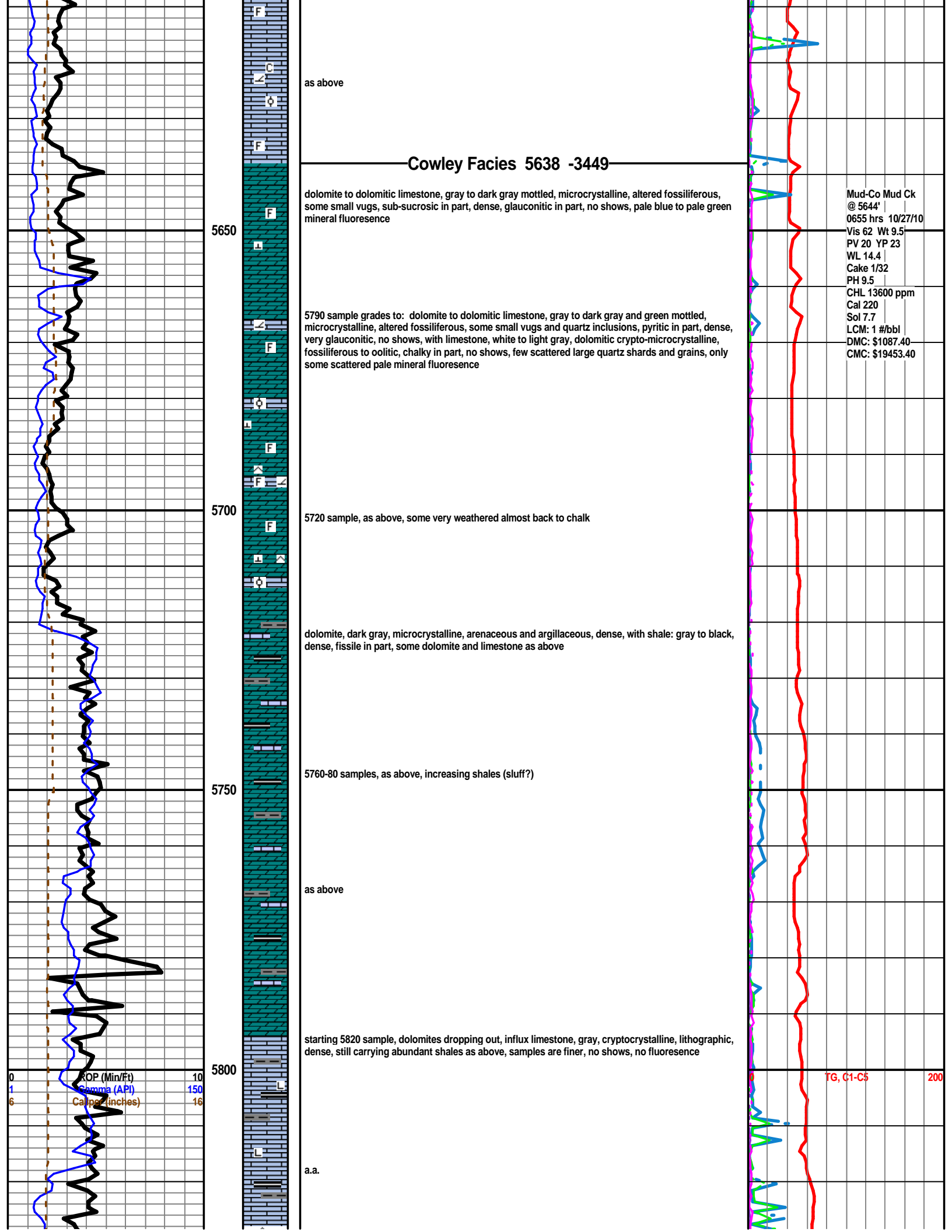
as above, some weathered to chalk, influx of chalk in samples, no show

limestone as above, trace pyritic, with influx light gray to white oolitic, some fairly mature, chalky, some inter-oolite porosity, no shows, scattered light green mineral fluorescence, carrying abundant chalk in samples



200

200



as above

Cowley Facies 5638 -3449

dolomite to dolomitic limestone, gray to dark gray mottled, microcrystalline, altered fossiliferous, some small vugs, sub-sucrosic in part, dense, glauconitic in part, no shows, pale blue to pale green mineral fluorescence

Mud-Co Mud Ck
 @ 5644' |
 0655 hrs 10/27/10
 Vis 62 Wt 9.5
 PV 20 YP 23
 WL 14.4
 Cake 1/32
 PH 9.5
 CHL 13600 ppm
 Cal 220
 Sol 7.7
 LCM: 1 #/bbl
 DMC: \$1087.40
 CMC: \$19453.40

5650

5790 sample grades to: dolomite to dolomitic limestone, gray to dark gray and green mottled, microcrystalline, altered fossiliferous, some small vugs and quartz inclusions, pyritic in part, dense, very glauconitic, no shows, with limestone, white to light gray, dolomitic crypto-microcrystalline, fossiliferous to oolitic, chalky in part, no shows, few scattered large quartz shards and grains, only some scattered pale mineral fluorescence

5700

5720 sample, as above, some very weathered almost back to chalk

dolomite, dark gray, microcrystalline, arenaceous and argillaceous, dense, with shale: gray to black, dense, fissile in part, some dolomite and limestone as above

5750

5760-80 samples, as above, increasing shales (sluff?)

as above

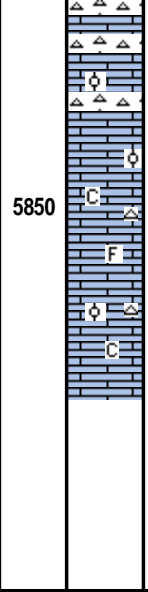
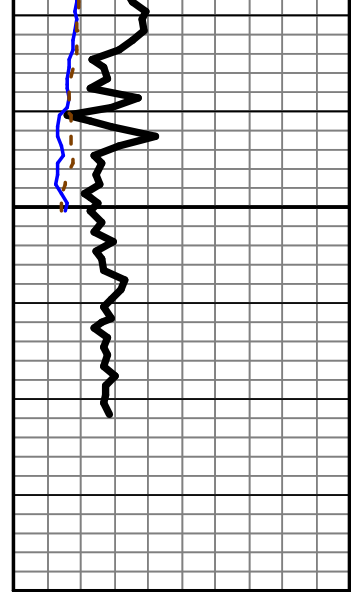
5800

starting 5820 sample, dolomites dropping out, influx limestone, gray, cryptocrystalline, lithographic, dense, still carrying abundant shales as above, samples are finer, no shows, no fluorescence

TG, C1-C5 200

a.a.

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



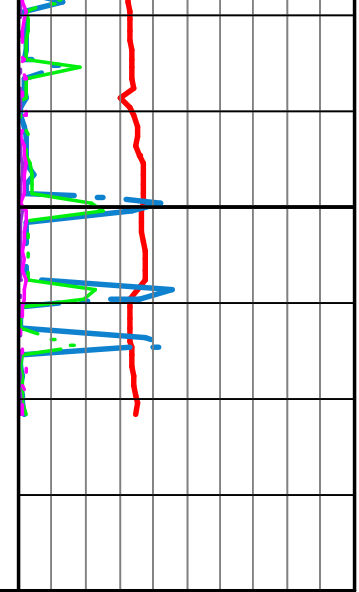
5850

limestone, white to cream, chalky oolitic, chalky, some scattered interclast porosity, barren, with:
white to gray fossiliferous cherts, weathered in part, appx 50/50, no fluorescence

limestone as above, chert dropping out to scattered, moderate chalk in samples, no fluorescence or
shows

a.a.

Rotary TD @ 5872 ft. 1910 hrs 10/27/10
Log Tech TD 5877 ft.
Complete Logging Operations 1300 hrs 10/28/10



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/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

January 31, 2011

MICHEAL S MITCHELL
Falcon Exploration, Inc.
125 N MARKET STE 1252
WICHITA, KS 67202-1719

Re: ACO1
API 15-025-21519-00-00
GILES RANCH 4-10
NE/4 Sec.10-31S-22W
Clark 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,
MICHEAL S MITCHELL