



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1161343
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: _____



1161343

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	JULIA 1-1
Doc ID	1161343

All Electric Logs Run

DEN-NEUT
IND
MICRO
SONIC
SPECTRAL

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 04, 2013

CHRISTOPHER MITCHELL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-165-22030-00-00
JULIA 1-1
SW/4 Sec.01-16S-16W
Rush 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,
CHRISTOPHER MITCHELL



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 6/15/2013
 Invoice # 6921

P.O.#:

Due Date: 7/15/2013

Division: Russell

Invoice

Contact:

Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

RECEIVED

JUN 24 2013

**SAMUEL GARY JR.
& ASSOCIATES, INC.**

DRLG COMP W/O LOE GG

Account	8200.13X
Well/Prospect	
Deck	
AFE	
Approval	HS
Description	

Reference:

JULIA 1-1

Description of Work:

LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	325	\$ 4,424.83	Yes				
8 5/8" Basket	3	\$ 1,029.26	Yes				
Bulk Truck Matl-Material Service Charge	343	\$ 744.80	No				
Calcium Chloride	12	\$ 620.94	Yes				
Pump Truck Mileage-Job to Nearest Camp	24	\$ 260.05	No				
8 5/8" Centralizer	3	\$ 208.46	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	24	\$ 152.17	No				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Premium Gel (Bentonite)	6	\$ 106.05	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 8,750.75
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,312.61)

SubTotal for Taxable Items:	\$ 5,611.99
SubTotal for Non-Taxable Items:	\$ 1,826.15
Total:	\$ 7,438.14
Tax:	\$ 353.56

6.30% Rush County Sales Tax

Thank You For Your Business!

Amount Due: \$ 7,791.70
Applied Payments:
Balance Due: \$ 7,791.70

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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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. 6921

Date	6-15-13	Sec.	1	Twp.	16	Range	16	County	Rush	State	KS	On Location		Finish	7:30 A.M.
Lease								Location							
Dora Julia								Corham's Co Line 1/2 W to 390 RD 1/2 S E into							
Well No. 1-1								Owner							
Contractor Val #6								To Quality Oilwell Cementing, Inc.							
Type Job Surface								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. 778				Charge To Sam Gary Jr & Associates							
Csg. 8 5/8				Depth 777				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. 42.45				Shoe Joint 42.45				Cement Amount Ordered 325 com 3 1/2" 2 1/2" 2"							
Meas Line				Displace 46 3/4 B/L											
EQUIPMENT								Common 325							
Pumptrk 17 No. Cementer Craig				Helper				Poz. Mix							
Bulktrk No. Driver Cady				Driver				Gel. 6							
Bulktrk 4 No. Driver Clayton				Driver				Calcium 12							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole Julia # 1-1								Flowseal							
Mouse Hole								Koi-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
8 5/8 on bottom. Est. Circulation.								Handling 343							
Mix 325 skt Displace Plug								Mileage							
Cement Circulated!								FLOAT EQUIPMENT							
				Guide Shoe 8 5/8											
				Centralizer 3											
				Baskets 3											
				AFU Inserts Bubble Plate											
				Float Shoe Rubber Plug											
				Latch Down											
				Pumptrk Charge Long Surface											
				Mileage 24											
								Tax							
								Discount							
X Signature Rausgmann								Total Charge							



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraitel.net

Date: 6/20/2013
 Invoice # 6932

P.O.#:
 Due Date: 7/20/2013
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

Reference:
 JULIA 1-1

Description of Work:
 PLUG JOB

RECEIVED

JUN 25 2013

**SAMUEL GARY JR.
 & ASSOCIATES, INC.**

<input checked="" type="checkbox"/> DRLG	<input type="checkbox"/> COMP	<input type="checkbox"/> W/O	<input type="checkbox"/> LOE	<input type="checkbox"/> GG
Account	520.145			
Well/Prospect				
Deck				
AFB	[Signature]			
Approval				
Description				

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	156	\$ 2,186.39	Yes				
Bulk Truck Matl-Material Service Charge	269	\$ 601.29	No				
POZ Mix-Standard	104	\$ 534.68	Yes				
Pump Truck Mileage-Job to Nearest Camp	24	\$ 267.70	No				
Premium Gel (Bentonite)	9	\$ 163.76	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	24	\$ 156.65	No				
Flo Seal	65	\$ 145.29	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 5,076.31
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (761.45)

SubTotal for Taxable Items:	\$ 2,575.60
SubTotal for Non-Taxable Items:	\$ 1,739.26
Total:	\$ 4,314.86
Tax:	\$ 162.26

6.30% Rush County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,477.12
Applied Payments:
Balance Due: \$ 4,477.12

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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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. 6932

Date	6-20-19	Sec.	1	Twp.	16	Range	16	County	Rush	State	KS	On Location	12:30 AM	Finish	S. 30 AM
Location								Corham S Coline 1w 1/2 S E into							

Lease	Julia	Well No.	1-1	Owner	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.
Contractor	Val #6				
Type Job	Plug				
Hole Size	7 1/4	T.D.	3644	Charge To	Sam Gary Jr & Associates
Csg.	Drill Pipe	Depth		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.		Shoe Joint		Cement Amount Ordered	260 60/40 4% Gel 1/4 D10

Meas Line	Displace			Common	156
EQUIPMENT				Poz. Mix	104
Pumptrk	5	No.	Cementer Helper	Driver	Brett
Bulktrk	14	No.	Driver	Driver	David
Bulktrk	PU	No.	Driver	Driver	Matt
				Gel.	9
				Calcium	

JOB SERVICES & REMARKS				Hulls	
Remarks:				Salt	
Rat Hole	30sx			Flowseal	65#
Mouse Hole	20sx			Kol-Seal	
Centralizers				Mud CLR 48	
Baskets				CFL-117 or CD110 CAF 38	
D/V or Port Collar				Sand	
	3540 - 30sx			Handling	269
	1100 - 50sx			Mileage	
	800 - 50sx			FLOAT EQUIPMENT	
	450 - 40sx			Guide Shoe	
	60 - 20sx			Centralizer	
				Baskets	
				AFU Inserts	
				Float Shoe	
				Latch Down	
					Wood Plug

				Pumptrk Charge	plug
				Mileage	24
				Tax	
				Discount	
				Total Charge	
Signature				Pandy D. Martin	



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

Well Name: Julia 1-1
 Location: Sec. 1-16S-16W Rush County, Kansas
 License Number: 15-165-22030-0000
 Spud Date: Region: WILDCAT
 Surface Coordinates: 1660 FSL, 610' FWL Drilling Completed: 6/19/13

Bottom Hole Coordinates:
 Ground Elevation (ft): 1946' K.B. Elevation (ft): 1956'
 Logged Interval (ft): 1800 To: 3644' Total Depth (ft): 3644'
 Formation:
 Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Colo. 80202
 Geo: Chris Mitchell

GEOLOGIST

Name: Jeff Quimby
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla. 73945
 Off. 888-543-8378 Cell: (580)754-0411

DST's Report

DST's Report

DST's Report

ROCK TYPES

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

ACCESSORIES

MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	
Chtlt		Oomold	
Dol	FOSSIL	STRINGER	TEXTURE
Feldspar	Algae	Anhy	Boundst
Ferrpel	Amph	Arg	Chalky
Ferr	Belm	Bent	Cryxln
Glau	Bioclst	Coal	Earthy
Gyp	Brach	Dol	Finexln
Hvymin	Bryozoa	Gyp	Grainst
Kaol	Cephal	Ls	Lithogr
Marl	Coral	Mrst	Microxln
Minxl	Crin	Sltstrg	Mudst
Nodule	Echin	Ssstrg	Packst
Phos	Fish	Carbsh	Wackest
Pyr	Foram		

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- B Fenest
- F Fracture
- X Inter
- A Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- r Subrnd
- a Subang

- A Angular

OIL SHOWS

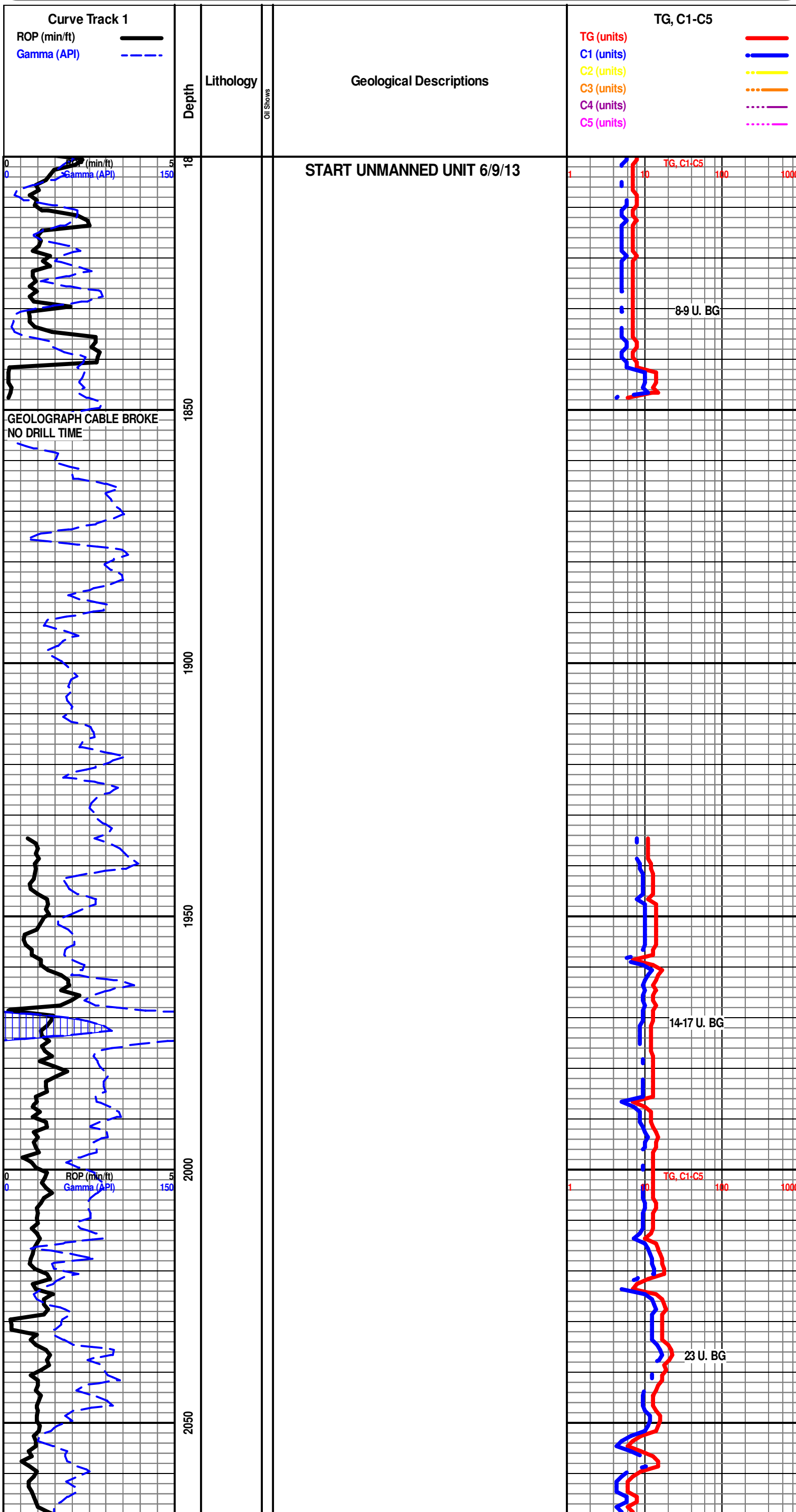
- Even
- ◐ Spotted
- ◑ Ques
- ◒ Dead
- ⊠ Gas show

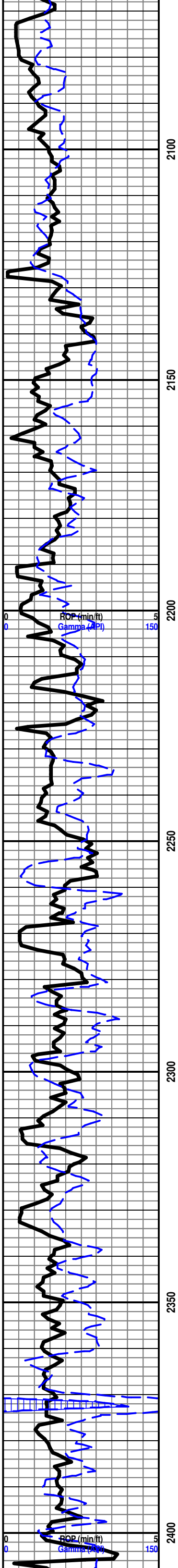
INTERVALS

- Core
- ◻ Dst
- ◼ Dst

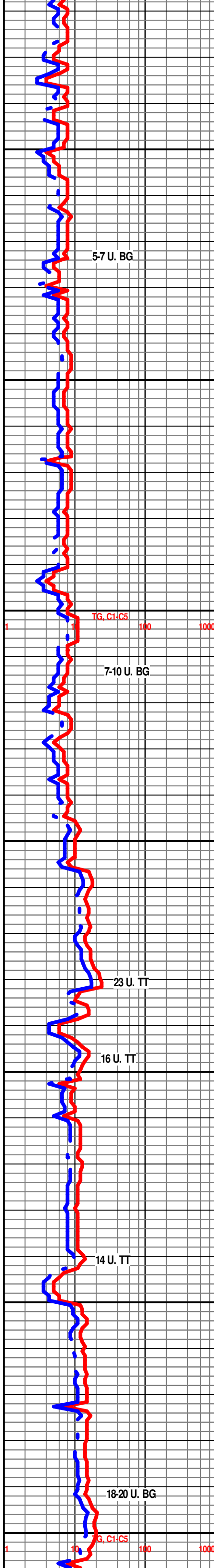
EVENTS

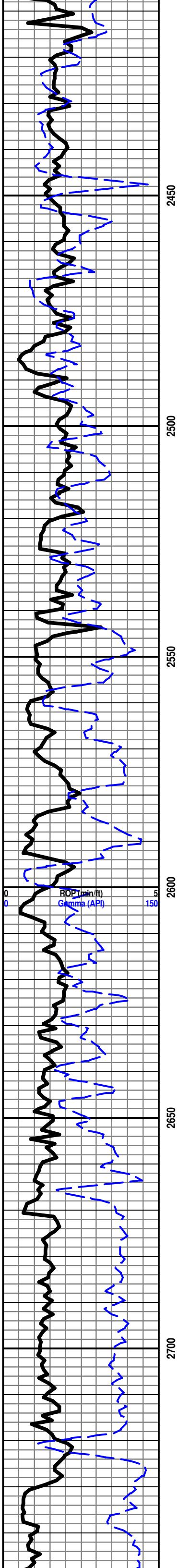
- ◻ Rft
- ◼ Sidewall



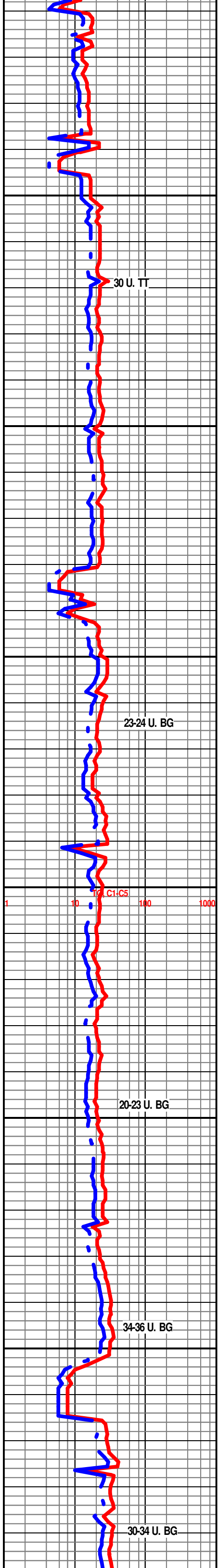


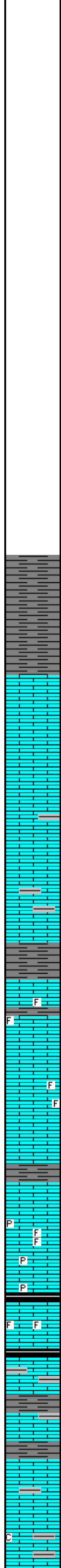
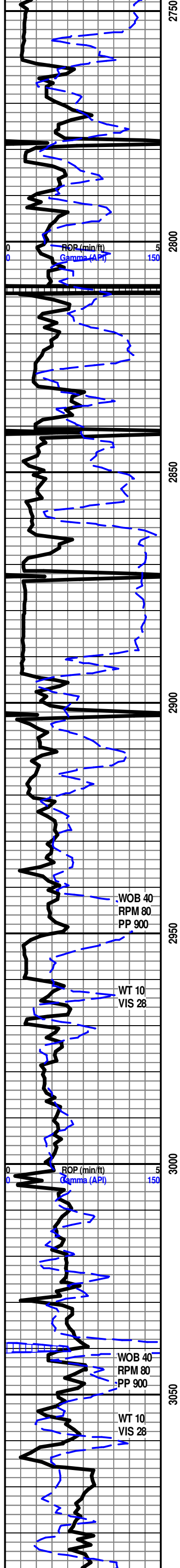
NEVA 2364' -408





BASE ROOT SHALE 2706' -750





START 24 HOUR MANNED UNIT 6/17/13

SH- GRY TO MD GRY IP, SLI FRM TO SFT BRITT, SPLNTY

HOWARD 2896' -940'

LS- OFF WHT WHT, HD DNSE SLI BRITT, MD-XLN SLI RE-XLN MTRX, SCATT TRS IMBD CALC XLS, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT CRM TO LT GRY IP, HD DNSE TO BRITT IP, MD-FN-XLN TO MD-XLN, IMBD CALC XLS, TRS IMBD DIS LT GRY SH, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

WOB 40
RPM 80
PP 900

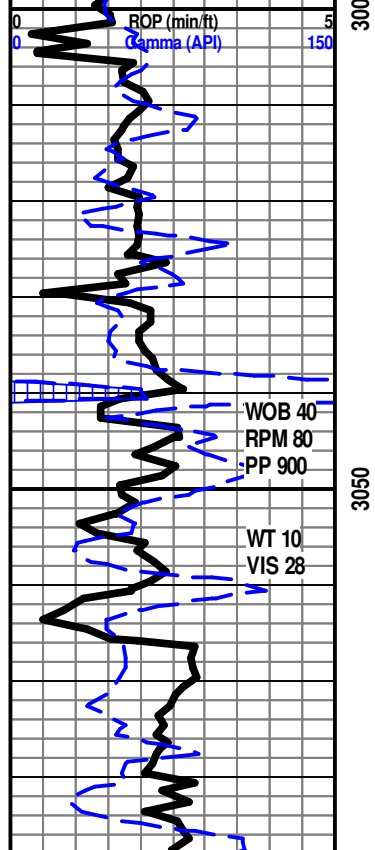
LS- WHT CRM TO LT GRY, HD DNSE, MD-FN-XLN, SCATT IMBD CALC XLS, TRS IMBD FOSS FRGS IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

TOPEKA 2960' -1004'

WT 10
VIS 28

LS- LT GRY OFF WHT (W/ LT BRWN OIL STAIN ON 1%), HD DNSE, MD-FN-XLN, SLI RE-XLN MTRX, IMBD FOSS FRGS SCAT IP, TRS IMBD CALC XLS, DLL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT TO LT GRY MOTTED, HD DNSE TO BRIT IP, MD-FN-XLN SLI RE-XLN MTRX, IMBD FOSS FRGS IP, SCATT IMBD LT GRY SH, LT DL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW



SH- GRY LT GRY, FRM TO SFT V/BRIT, SPLNTY

LS- GRY TO LT GRY OFF WHT, HD DNSE, FN-MD-XLN, SCATT IMBD PYR, TRS IMBD FOSS FRGS IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- BLK SFT CARB

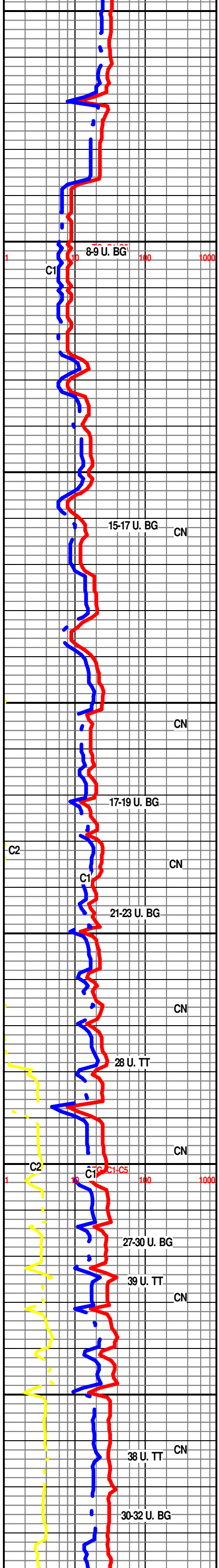
WOB 40
RPM 80
PP 900

LS- OFF WHT TO LT GRY MOTTED, HD DNSE, MD-XLN RE-XLN MTRX, IMBD CALC XLS, TRS IMBD LT GRY SH, TRS IMBD FOSS FRGS IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LE COMPTON 3061' -1105'

WT 10
VIS 28

LS- OFF WHT WHT CRM LT TN IP, HD DNSE, MD-XLN RE-XLN MTRX TRS SUB-CHLKY IP, SCATT IMBD CALC XLS IP, TRS IMBD LT GRY SH SCATT IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW



8-9 U. BG

C1

15-17 U. BG CN

17-19 U. BG

C2

C1

21-23 U. BG

28 U. TT

C2

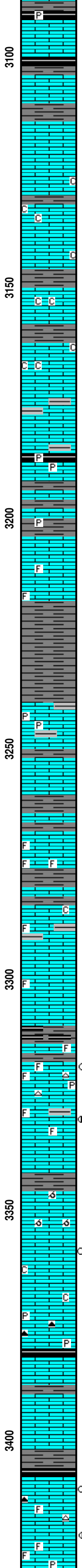
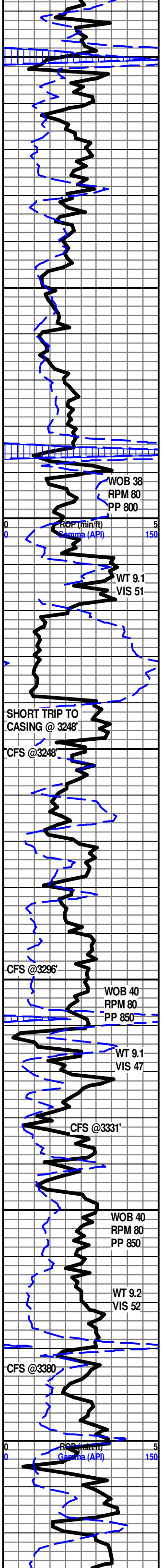
C1

27-30 U. BG

39 U. TT CN

38 U. TT CN

30-32 U. BG



SH- BLK SFT CARB TRS IMBD PYR IP

SH- GRY TO MD GRY, FRM TO SFT SLI BRIT, SPLNTY

LS- OFF WHT CRM(W/ LT TN TN OIL STAIN ON 2%), HD DNSE, FN-MD-XLN, RE-XLN MTRX, IMBD CALC XLS IP, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- WHT OFF WHT CRM, HD DNSE BRITT, MD-XLN, SUB-CHLKY THRU IP, TRS IMBD LT GRY SH, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT CRM, HD DNSE TO BRIT, MD-XLN TO FN-XLN IP, RE-XLN MTRX IP, SUB-CHLKY IP, SCATT TRS SFT WHT OFF WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM TO LT TN IP, HD TO BRIT, MD-XLN, SUB-CHLKY, SCATT IMBD GRY SH IP, IMBD WHT OFF WHT SFT CHLK IP, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

HEEBNER 3185' -1229'

SH- BLK SFT CARB W/ TRS PYR

SH- GRY TO DRK GRY IP, FRM TO BRIT IP, TRS IMBD PYR IP, SPLNTY TO SLI BLKY

LS- CRM TO OFF WHT LT TN IP, HD DNSE, MD-XLN TO FN-XLN RE-XLN MTRX, TRS IMBD SML CALC XLS, TRS IMBD FOSS FRGS IP, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

DOUGLAS 3218' -1262'

SH- GRY MD GRY TO LT GRN IP, FRM TO SFT V/BRIT, SLI BLKY TO SPLNTY

LANSING 3240' -1284'

LS- OFF WHT CRM TO LT GRY MOTTED, HD DNSE, FN-XLN TO MD-FN-XLN, RE-XLN MTRX, SCATT IMBD PYR IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- GRY MD GRY, FRM TO BRIT, SPLNTY

LANSING "C" 3270' -1314'

LS- GRY TO MOTTED MD GRY, HD DNSE, ABDT IMBD FOSS FRGS IP, SCATT DLL YEL FLO IP, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT LT GRY TO GRY MOTTED, HD TO V/BRIT, MD-XLN, RE-XLN IP, TRS SUB-CHLKY, SCATT IMBD LT GRY GRY SH, TRS IMBD FOSS FRGS IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT WHT, HD DNSE TO BRITT IP, V/ FN TO MD-FN XLN, IMBD FOSS FRGS IP, DLL YEL FLO IN 20%, TRS VUG POR IN 10%, NO VIS CUT NO VIS SHOW, NO ODOR

LANSING "F" 3316' -1360'

3317'-3321' LS- OFF WHT WHT TO TN (W/DRK BRWN TO TN OIL STAIN ON 40%), HD DNSE, FN-MD-XLN SLI RE-XLN MTRX IP, IMBD FOSS FRGS SCAT IP, WHT FRSTY CHRT (W/ IMBD PYR IN TRAY), BRIT YEL GLD FLO IN 15%, NO VIS POR, FR FLUSH CUT , PR SLW STRM CUT IN 10%

3325'-3331' LS- GRY TO LT TN TN (W/ OIL STAIN ON 45%), HD TO V/BRIT, MD-XLN, ABDT IMBD FOSS FRGS, TRS LMND SH, DLL YEL GLD FLO IN 60% BRIT YEL GLD IN 5%, TRS VUG POR IN 25%, EXCEL FLUSH CUT IN 50%, GD SLW STRM CUT IN 45%, NO ODOR

3362'-3368' LS- OFF WHT LT GRY TO TN (W/ LT TN TN OIL STAIN ON 24%), HD DNSE, MD-XLN, SFT WHT CHLK IN TRAY (W/ DRK BRWN LIVE OIL ON 10%), IMBD OOLMLDS THRU IP, TRS IMBD CALC XLS IP, BRIT YEL GLD FLO IN 4% DLL YEL GLD FLO IN 24%, TRS INTER XLN POR IP, NO FLUSH CUT V/PR SLW STRM CUT IN 8%

LS- OFF WHT TO GRY MOTTED LT GRY, HD DNSE, MD-FN-XLN SLI RE-XLN MTRX, SUB-CHLKY IP, IMBD PYR IP, IMBD CALC XLS IP, TN CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

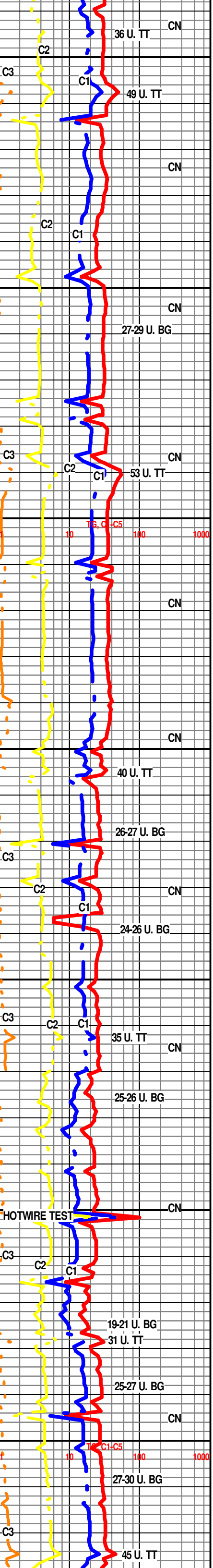
LANSING "H" 3383' -1427'

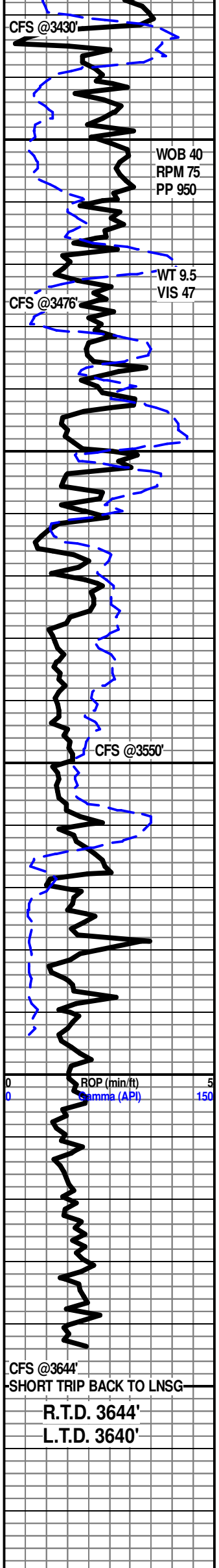
LS- OFF WHT WHT CRM, HD DNSE, FN-XLN, RE-XLN MTRX, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- DRK GRY TO BLK, FRM TO SFT V/ BRITT, SPLNTY TO BLKY

3409'-3413' LS- OFF WHT CRM TO LT TN TN (W/ LT TN TN OIL STAIN ON 10%), HD TO V/BRIT IP, MD-XLN SLI FN-XLN IP, RE-XLN MTRX, TRS IMBD CALC XLS, IMBD FOSS FRGS IP, SCATT TN TO OFF WHT FRSTY CHRT IN TRAY, DLL YEL GLD FLO IN 7%, NO VIS POR, NO VIS FLUSH CUT PR TO FR SLW STRM CUT IN 5%, SAMPLES GROUND UP

3416'-3421' LS- OFF WHT WHT TO LT TN TN (W/ LT TN TN OIL STAIN ON 25%), HD TO V/BRIT, MD-XLN SLI FN-XLN IP, RE-XLN MTRX, TRS





337% HD TO V/BRIT, MD-XLN TO SLI MD-FN-XLN IP, RE-XLN MTRX IP, TRS IMBD CALC XLS, IMBD FOSS FRGS THRU IP, PYR CLUSTERS IN TRAY, BRIT YEL GLD FLO IN 2% DLL YEL FLO IN 44%, TRS INTER XLN POR (W/ TN OIL STAIN), PR FLUSH CUT FR SLW STRM CUT IN 25%

LS- OFF WHT CRM TO TN IP (W/ DOS IN 11%) HD DNSE, FN-MD-XLN RE-XLN MTRX TO SUB-CHLKY IP, TRS IMBD GLAUC, TRS IMBD CALC XLS, TRS IMBD FOSS FRGS IP, SCATT SFT WHT CHLK IN TRAY, DLL YEL FLO IN 35% DLL YEL GLD FLO IN 15%, TRS VUG POR IP, NO VIS CUT OR SHOW

BKC 3468' -1512'
SH- RED, SFT V/V/ GMMY, BLKY

3482'-3487' LS- OFF WHT CRM TO LT TN TN (W/ DRK BRWN TO BLK OIL STAIN ON 46%), HD TO V/ BRITT, MD-XLN RE-XLN MTRX, IMBD FOSS FRGS IP, ABDT IMBD SMLL CALC XLS IP, DLL YEL GLD FLO IN 30%, TRS VUG POR (W/ LIVE OIL) TO TRS INTER XLN POR IP, V/ GD FLUSH CUT PR TO FR SLW STRM CUT IN 12%, GD BRWN LCH ON DISH, (FREE FLOATING LIVE OIL IN TRAY)

SH- RED, SFT V/GMMY, BLKY

3503'-3507' LS- CRM TO LT GRY MOTTED IP, HD DNSE TO BRIT, MD-XLN, RE-XLN MTRX IP, TRS IMBD FOSS FRGS IP, BRIT YEL GLD FLO IN 8% DLL YEL GLD FLO IN 10%, TRS INTER XLN POR, EXCEL FLUSH CUT IN 18% GD SLW STRM CUT IN 11%

LS- OFF WHT CRM, HD DNSE, FN-XLN TO MD-FN-XLN RE-XLN MTRX, ABDT OFF WHT TO LT TN CHRT IN TRAY, TRS IMBD FOSS FRGS, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

ARBUCKLE 3544' -1588'

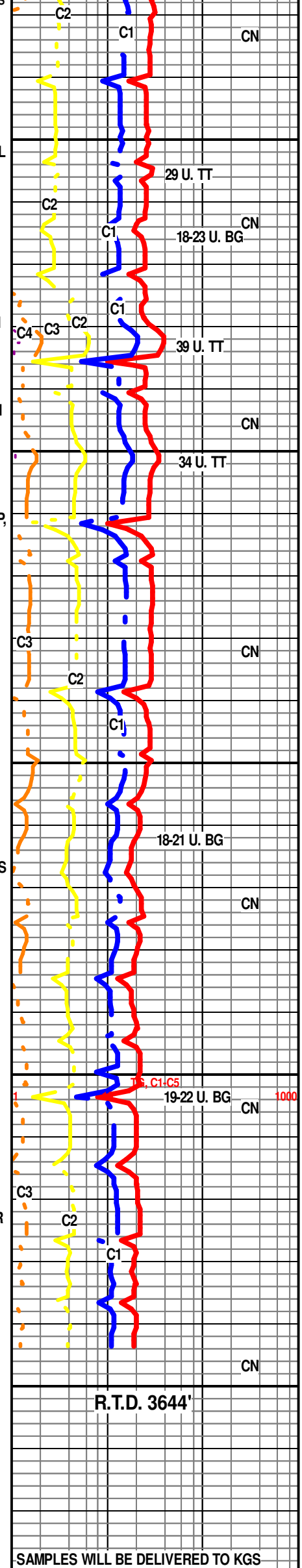
DOLO- WHT OFF WHT TO TN IP, HD DNSE, FN-XLN, TRS IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

DOL- WHT OFF WHT, HD DNSE, FN-XLN, IMBD FOSS FRGS IP, TRS IMBD DOL XLS, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

DOL- OFF WHT WHT TO CLR, HD DNSE, FN-XLN TO SLI MD-FN-XLN, ABDT IMBD FOSS FRGS, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

DOL- LT GRY TO OFF WHT, HD DNSE, MD-XLN TO SLI FN-XLN, DLL YEL GLD FLO, NO VIS POR, NO VIS CUT OR SHOW

R.T.D. @ 1:05 PM JUN 19, 2013



CFS @3644'
SHORT TRIP BACK TO LNSG
R.T.D. 3644'
L.T.D. 3640'

R.T.D. 3644'

SAMPLES WILL BE DELIVERED TO KGS