



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1097223
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
-----------------------------------	-----------------	---

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: _____



1097223

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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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	RUDY 1-24
Doc ID	1097223

All Electric Logs Run

DEN-NEUT
INDUCTION
MICRO
SONIC
SPECTRAL GR

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 12, 2012

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

Re: ACO1
API 15-165-21981-00-00
RUDY 1-24
SW/4 Sec.24-16S-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: 6/27/2012
 Invoice # 901

P.O.#:
 Due Date: 7/27/2012
 Division: Russell

Invoice

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

DRLG COMP W/O LOE GG

Account	8200.138
Well/Prospect	
Deck	
AFE	<i>[Signature]</i>
Approval	
Description	

RECEIVED

JUL 09 2012

SAMUEL GARY JR.
& ASSOCIATES, INC.

Reference:
 RUDY 1-24

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable
Labor		\$ 963.85	No
Common-Class A	350	\$ 4,507.22	Yes
8 5/8" Basket	3	\$ 1,000.67	Yes
Bulk Truck Matl-Material Service Charge	370	\$ 781.11	No
Calcium Chloride	13	\$ 654.00	Yes
Pump Truck Mileage-Job to Nearest Camp	28	\$ 294.96	No
Flo Seal	87	\$ 183.67	Yes
5 1/2" Turbolizer	3	\$ 183.67	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 172.60	No
Premium Gel (Bentonite)	7	\$ 120.29	Yes
8 5/8" Top Rubber Plug	1	\$ 111.89	Yes

Item	Quantity	Price	Taxable
Baffle Plate Aluminum, 8 5/8"	1	\$95.00	Yes

Invoice Terms:

Net 30

SubTotal: \$ 9,068.93
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,360.34)

SubTotal for Taxable Items:	\$ 5,827.94
SubTotal for Non-Taxable Items:	\$ 1,880.65
Total:	\$ 7,708.59
Tax:	\$ 367.16
Amount Due:	\$ 8,075.75
Applied Payments:	
Balance Due:	\$ 8,075.75

6.30% Rush County Sales Tax

Thank You For Your Business!

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. 901

Date: 6-24-12 Sec. 24 Twp. 16 Range 16 County Rush State Ks On Location _____ Finish 1:00 PM

Lease Rudy Well No. 1-24 Location Galatia, Ks - SW to Rd 396, 1/4 N

Contractor: Wal #6 Owner E Hntb

Type Job Surface To Quality Oilwell Cementing, Inc.

Hole Size 12 1/4" T.D. 855' You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Csg. 8 5/8" Depth 854' Charge To Sam Gary Inc & Assoc.

Tbg. Size _____ Depth _____ Street _____

Tool _____ Depth _____ City _____ State _____

Cement Left in Csg. 42.27' Shoe Joint 42.27' The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line _____ Displace 51 3/4 BLS Cement Amount Ordered 350 5x Common 3% CC

EQUIPMENT

Pumptrk <u>5</u>	No. _____	Cement Helper <u>Brett</u>	_____	2% Gel <u>1/4# Flow-seal</u>
Bulktrk <u>13</u>	No. _____	Driver <u>Travis</u>	_____	Common <u>350</u>
Bulktrk <u>p.u</u>	No. _____	Driver <u>Rick</u>	_____	Poz. Mix _____
				Gel. <u>7</u>
				Calcium <u>13</u>

JOB SERVICES & REMARKS

Remarks: _____ Hulls. _____

Rat Hole _____ Salt _____

Mouse Hole _____ Flowseal 87#

Centralizers 1, 16, 20 Kol-Seal _____

Baskets 2, 17, 19 Mud CLR 48 _____

D/V or Port Collar _____ CFL-117 or CD110 CAF 38 _____

Cement did Circulate. Sand _____

Handling 370 _____

Mileage _____

FLOAT EQUIPMENT

Guide Shoe _____

Centralizer 3 _____

Baskets 3 _____

AFU Inserts _____

Float Shoe _____

Latch Down _____

1- Baffle plate

1- Rubber plug

Pumptrk Charge Long Surface

Mileage 28

Tax _____

Discount _____

Total Charge _____

X Signature Randy D. Martin



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: 7/4/2012
 Invoice # 884

P.O.#:
 Due Date: 8/3/2012
 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:
 RUDY 1-24

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,005.76	Yes				
Common-Class A	132	\$ 1,773.77	Yes				
Bulk Truck Matl-Material Service Charge	228	\$ 502.26	Yes				
POZ Mix-Standard	88	\$ 445.87	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 307.79	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 180.11	Yes				
Premium Gel (Bentonite)	8	\$ 143.45	Yes				
Flo Seal	50	\$ 110.14	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,469.15
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (670.37)

SubTotal for Taxable Items: \$ 3,798.78

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,798.78

Tax: \$ 239.32

6.30% Rush County Sales Tax

Amount Due: \$ 4,038.10

Applied Payments:

Balance Due: \$ 4,038.10

Thank You For Your Business!

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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Account	8200-145
W/Pic. pers	
Book	
AFE	
Approval	
Description	

RECEIVED

JUL 11 2012

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

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. 884

Date	10-29-12	Sec.	24	Twp.	10	Range	16	County	RUSH	State	KANSAS	On Location		Finish	9:30 PM	
Lease	Quincy	Well No.	1-24		Location Corona Well #1920 - 1/2 mi E TARA											
Contractor	VAL #10							Owner	SAM GAEL, JR.							
Type Job	P.D.I.C.							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	8 7/8"		T.D.													
Csg.	4 1/2"		Depth													
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.			Shoe Joint													
Meas Line			Displace													
The above was done to satisfaction and supervision of owner agent or contractor.																
Cement Amount Ordered 220 SKS 1/4 flow 4% gel																

EQUIPMENT

Pumptrk #15	No.	Cementer	LEVY	Common	132
Bulktrk #13	No.	Driver	DOUG	Poz. Mix	88
Bulktrk #14	No.	Driver	STEVE	Gel.	8

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 507#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
12TB @ 3578	50 SKS
2WB @ 890	50 SKS
3PN @ 450	50 SKS
4TU @ 600	20 SKS
RATCHOLE	30 SKS
MAKE HOLE	20 SKS
	220 SKS
	Handling 228
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge 132
Mileage 28

THANK YOU!

X Signature [Signature]

Tax
Discount
Total Charge



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

Well Name: RUDY 1-24
 Location: SEC 24 16S 17W, Rush County, Kansas
 License Number: 15-165-21981-0000
 Spud Date: 06/23/12
 Surface Coordinates: 2225' FSL & 1125' FWL
 Region: Wildcat
 Drilling Completed: 6/29/12

Bottom Hole Coordinates:
 Ground Elevation (ft): 1963' K.B. Elevation (ft): 1973'
 Logged Interval (ft): 2930' To: 3680' Total Depth (ft): 3680'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid: Natural chemical

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

OPERATOR

Company: Sam Gary Jr. & Associates
 Address: 1515 Wynkoop, # 700
 Denver, Co. 80202
 Co. geo: Chris Mitchell

GEOLOGIST

Name: Schuyler Hedrick
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 580-754-0231

ROCK TYPES

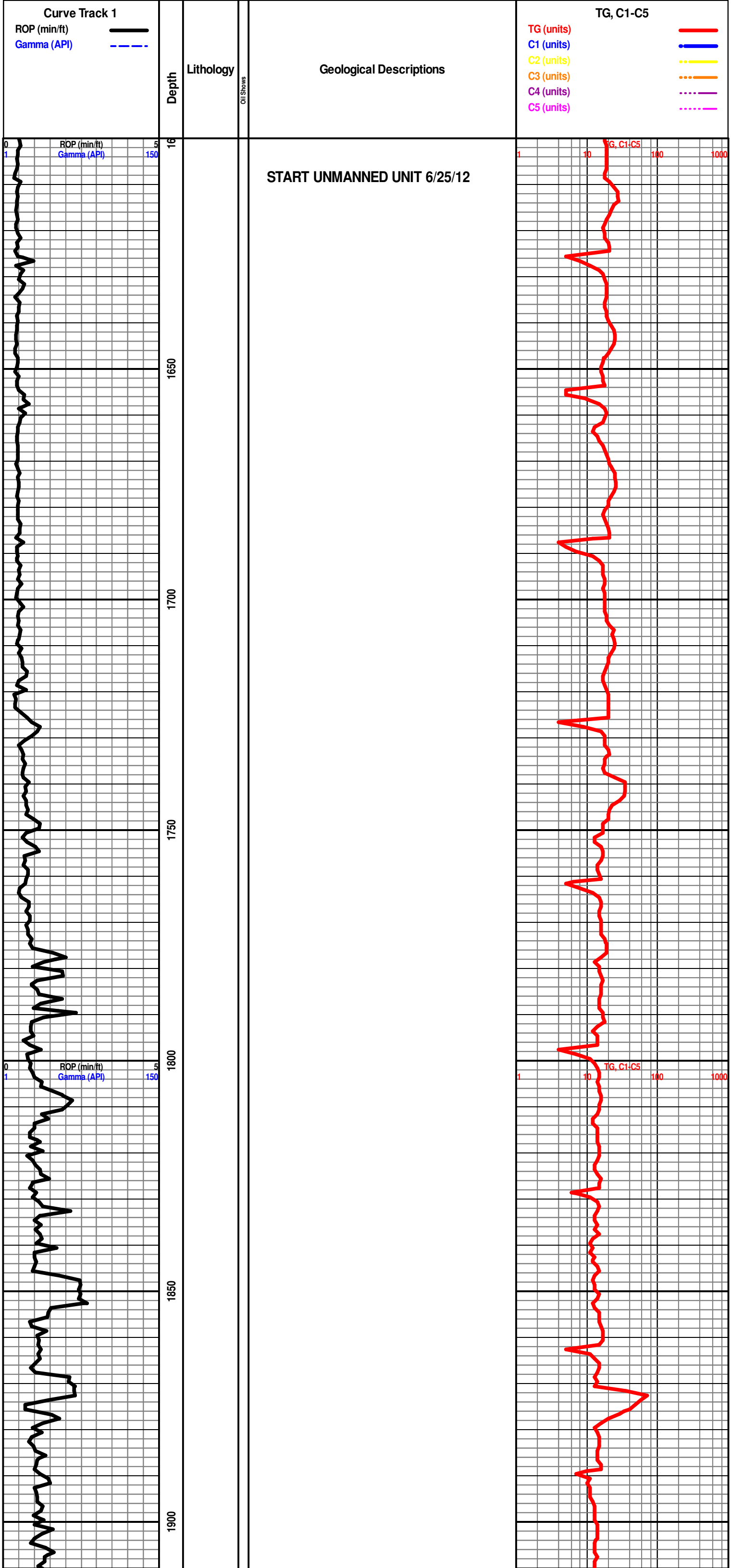
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Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlyslts
Clyst	Mrlst	Carb sh	Sltys
Coal	Salt	Dol	Lms
Congl	Shale	Dtd	
Dol	Shcol	Gry sh	

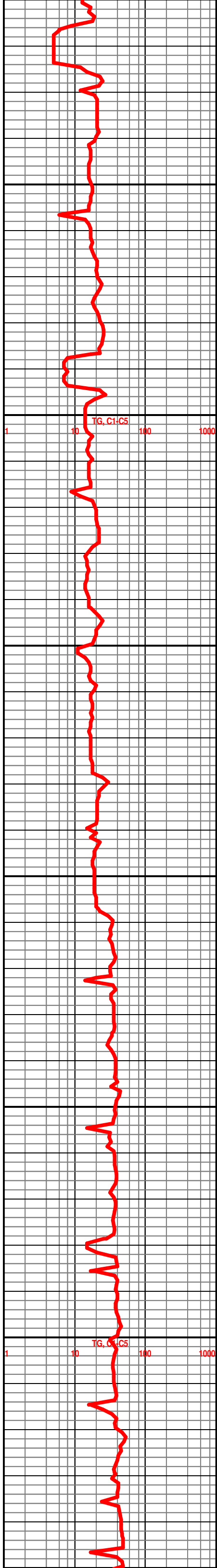
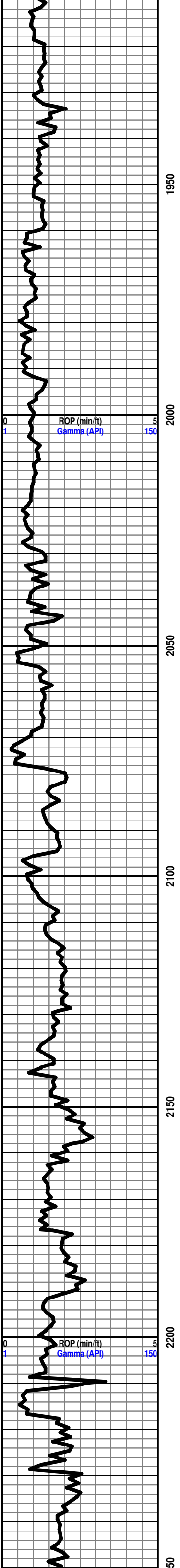
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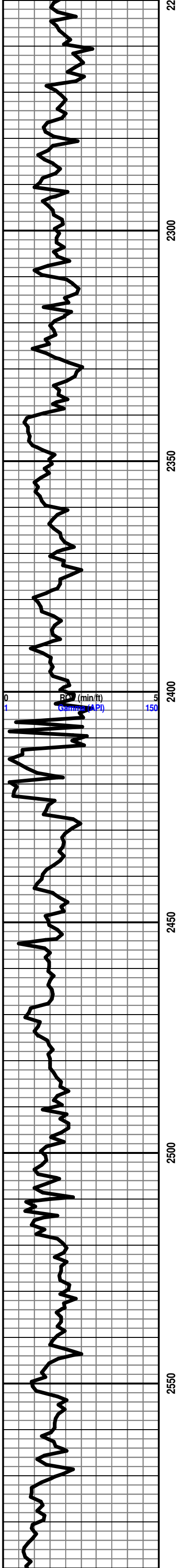
MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	TEXTURE
Chtlt	FOSSIL	Oomold	Boundst
Dol	Algae	STRINGER	Chalky
Feldspar	Amph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

OTHER SYMBOLS

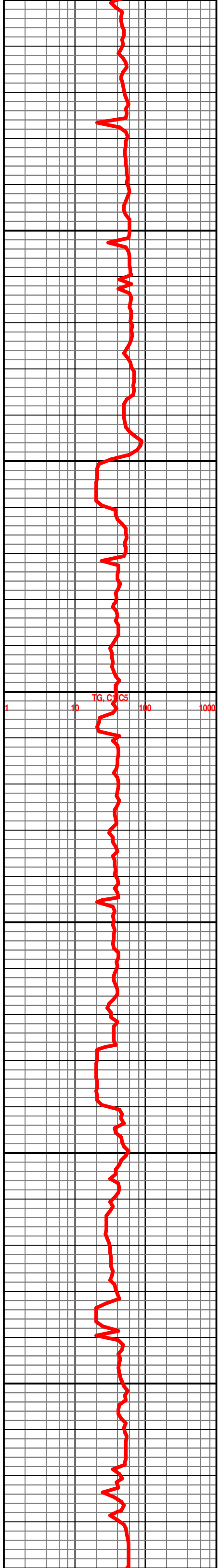
POROSITY TYPE	SORTING	Angular	INTERVALS
Earthy	Well	OIL SHOWS	Core
Fenest	Moderate	Even	Dst
Fracture	Poor	Spotted	Dst
Inter	ROUNDING	Ques	EVENTS
Moldic	Rounded	Dead	Rft
Organic	Subrnd	Gas show	Sidewall
Pinpoint	Subang		
Vuggy			



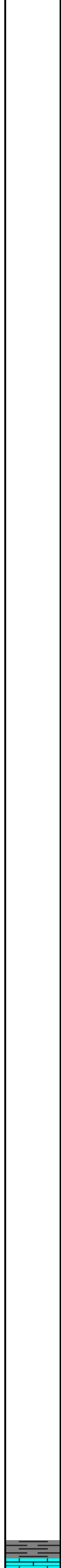
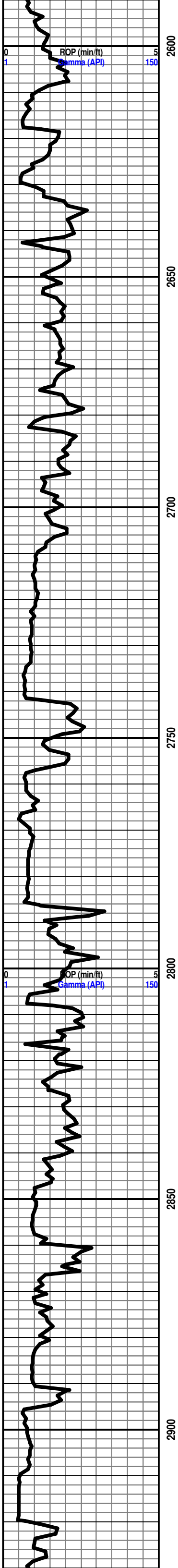




2550 2500 2450 2400 2350 2300 22



1 10 100 1000

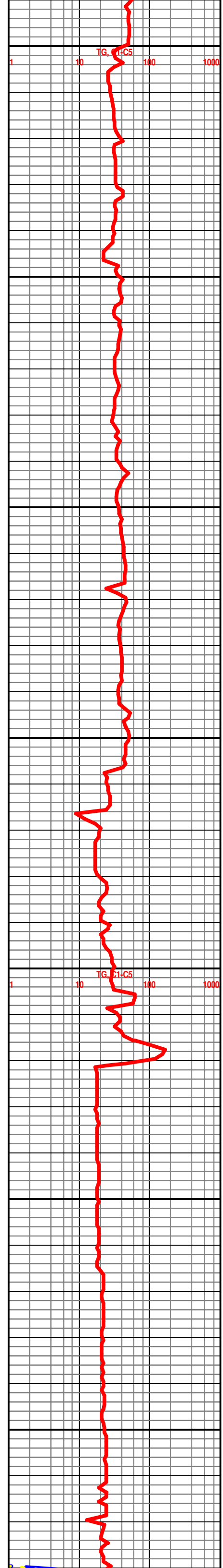


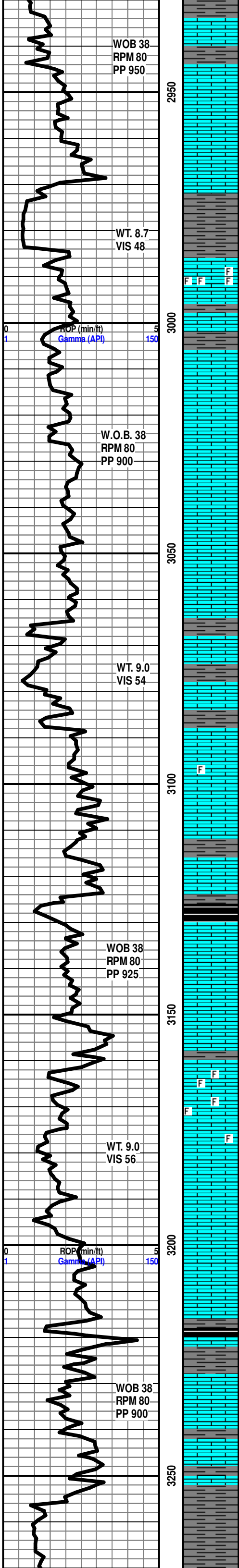
BRS 2741'-768'

STOPPED TO WORK ON PUMP

HOWARD 2920'-947'

START 24 HR. MANNED UNIT 6/27/12





SH- GY TO DK GY, V SFT TO GMMY THRU, SMTH SPLNTY TXT

LS- OFF WHT TO CRM, HD DNS TO BRIT, F/XLN MTRX, S-SUCRO THRU, IMB SM CALC-XLS, SCAT FREE CALC-XLS IP, YEL FLO IN 30%, DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

SEVERY 2969'-996'

SH- LT GY TO GY, SFT TO GMMY IP, SMTH BLCKY TXT

TOPEKA 2984'-1011'

LS- CRM LT TN TO LT GY MOTT, HD DNS TO BRIT, MD/F-XLN MTRX, S-CHLKY IP, SCAT IMB FOSS FRAGS THRU, FREE FOSSIL IP, SPTD DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM BFF TO LT TN, HD DNS TO BRIT, MD/F-XLN MTRX, RE-XLN IP, SCAT IMB SM CALC-XLS IP, SFT WHT CHLK IP, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LS- LT TN TO LT GY MOTT, HD DNS TO BRIT IP, F/VF-XLN, RE-XLN IP, S-CHLKY IP, TR FREE CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, HD DNS TO BRIT IP, MD/F-XLN, RE-XLN IP, S-SCURO IP, IMB SM CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO LT GRN MOTT, V SFT TO GMMY IP, SMTH SPLNTY TXT

LE COMPTON 3088'-1115'

LS- CRM TO LT TN, HD DNS TO BRIT IP, VFN-XLN MTRX, S-SUCRO IP, TR IMB FOSS FRAGS IP, DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

SH-BLCK SFT CARB

LS- LT TN TO TN, HD DNS TO BRIT IP, MD/F-XLN MTRX, RE-XLN, S-CHLKY, IMB SM CALC-XLS, SCAT IMB PRY IP, DUL YEL FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM TO LT TN, HD DNS TO BRIT, MD/XLN MTRX, S-SUCRO IP, ABDT IM FOSS FRAGS THRU, V DUL YEL FLO IP, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT TO CRM, DNS TO V SFT, MD/XLN, CHLKY MTRX, ABDT IM SFT WHT CHLK THRU, BRT YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

HEEBNER 3216'-1243'

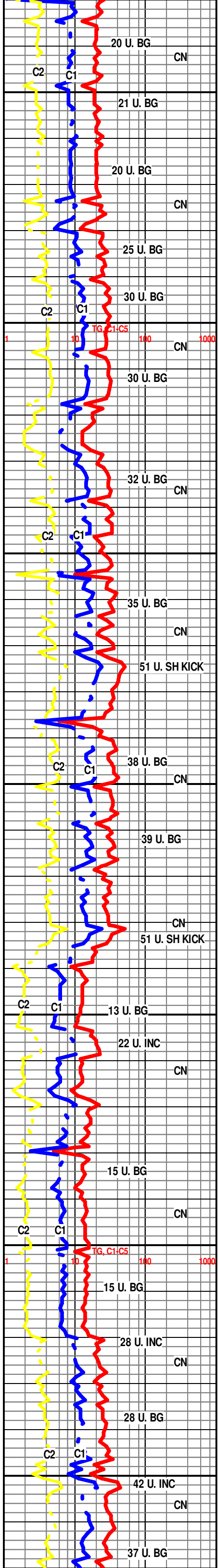
SH- BLCK SFT CARB

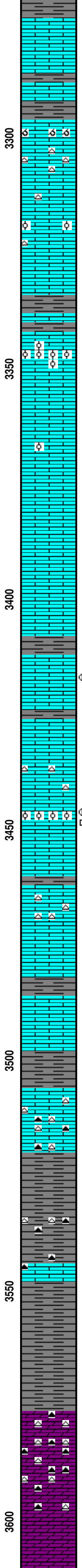
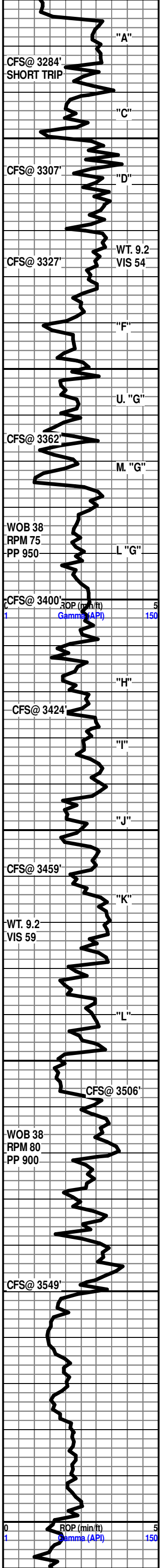
3233'-3235' LS- WHT TO OFF WHT, W/ TN OIL STN SCAT IN 10%, LIVE OIL STN SCAT IN 5%, HD DNS TO BRIT, MD-XLN, RE-XLN IP, S-SUCRO IP, SCAT IMB SM CALC-XLS THRU, TR SFT WHT CHLK IP, V DUL YEL GLD FLO IN 10%, V PR INTER-XLN POR IN 5%, TR V PR MICRO-VUG POR IP, V PR TO PR WK FLSH CUT IN 15%, V PR SLW STRM CUT IN 10%, NO VIS LCH ON DSH, NO OIL ODOR

DOUGLAS 3252'-1279'

SH- LT GY TO GY, SFT TO GMMY, SMTH BLCKY TXT

LANSING 3274'-1301'





LS- LT TN TO TN, HD DNS TO BRIT IP, F/VF-XLN MTRX, S-CHLY IP, SCAT IMB CALC-XLS IP, TR PYR IP, SPTTD DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LANSING "C" 3297'-1334'

LS- CRM TO LT TN, HD DNS TO BRIT, MD/F-XLN, RE-XLN, S-CHLY IP, ABTD IMB SM CALC-XLS THRU, OOL-MOLDIC THRU, TR SCAT WHT CHRT IP, TR V DUL YEL FLO IN 5%, PR OOL-MOLDIC POR SCAT IN 20%, NO VIS CUT OR SHOW

LS- CRM TO LT TN TN, HD DNS TO BRIT IP, F/VF-XLN MTRX, RE-XLN IP, S-CHLY IP, SCAT IMB OOLITES IP, WHT CHRT IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "F" 3342'-1369'

LS- LT TN TO TN, HD DNS TO BRIT IP, MD/F-XLN MTRX, RE-XLN IP, S-CHLY IP, ABTD IMB OOLITES THRU, SCAT SFT WHT CHLK IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM LT TN, DNS TO SFT, MD/XLN, CHLY MTRX, ABTD IMB SFT TO GMMY WHT CHLK THRU, SLI TR IMB OOLITES IP, DUL YEL FLO IN 50%, NO VIS POR, NO VIS CUT OR SHOW

LS- LT TN TO TN, V HD DNS TO TR BRIT IP, F/VF-XLN MTR, TR RE-XLN IP, S-CHLY IP, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LANSING "H" 3413'-1440'

3416'-3418' LS- OFF WHT TO CRM (W/ TN OIL STN SCAT IN 20%), HD DNS TO BRIT, MD/XLN, S-CHLY THRU, S-SUCRO IP, ABTD SFT WHT CHLK THRU, DUL YEL GLD FLO IN 60%, SPTTD BRT YEL GLD FLO IN 10%, V PR TO PR MICRO VUG POR IN 10%, FR FLSH CUT IN 40%, FR SLW STRM CUT IN 40%, V LT TN LCH ON DSH, LT OIL ODOR

LS- LT TN TO TN, HD DNS TO BRIT IP, F/VF-XLN MRX, S-CHLY IP, SCAT WHT CHRT IP, SLI TR SFT WHT CHLK IP, DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

3445'-3447' LS- OFF WHT TO CRM BFF (W/ D.O.S. IN 15%, HD DNS TO BRIT, MD/XLN, RE-XLN, S-CHLY, ABTD IMB OOLITES, SCAT SM CALC XLS THRU, IMB SFT WHT CHLK IP, TR V DUL YEL GLD FLO IP, V PR INTER-XLN POR IP, TR V PR INTER-OOLITIC POR IP, V WK FLSH CUT IN 5%, V PR SLW STRM CUT IN 10%, NO VIS LCH ON DSH, V STRNG SULPHUR ODOR

LS- CRM BFF TO LT TN, V HD DNS, VF/CRYPTO-XLN MTRX, SCAT WHT CHRT, DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

LS- LT TN TO TN, HD DNS TO TR BRIT IP, F/VF-XLN MTRX, S-CHLY IP, SCAT IMB SM CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

BKC 3498'-1525'

LS- OFF WHT TO CRM BFF, V HD DNS, VF/CRYPTO-XLN MTRX, ABTD MOTT CHRTS, SCAT IMB CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

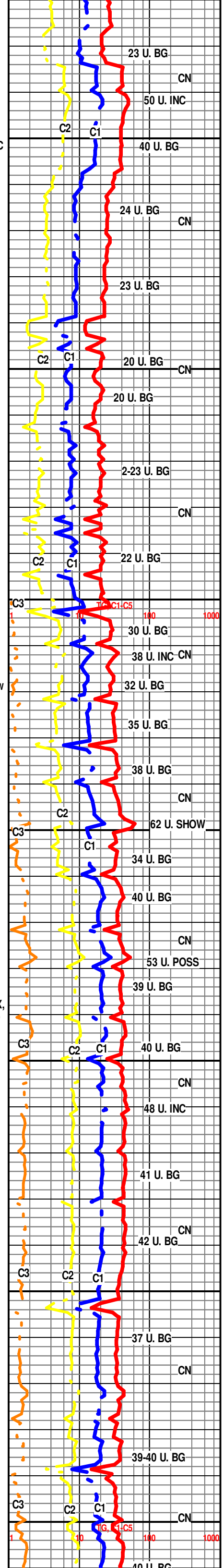
SH- RD TO DK RD, SFT TO V GMMY THRU, BLCKY

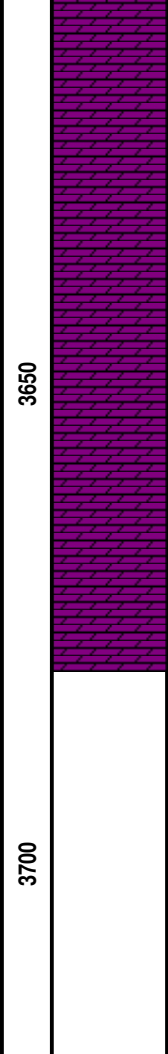
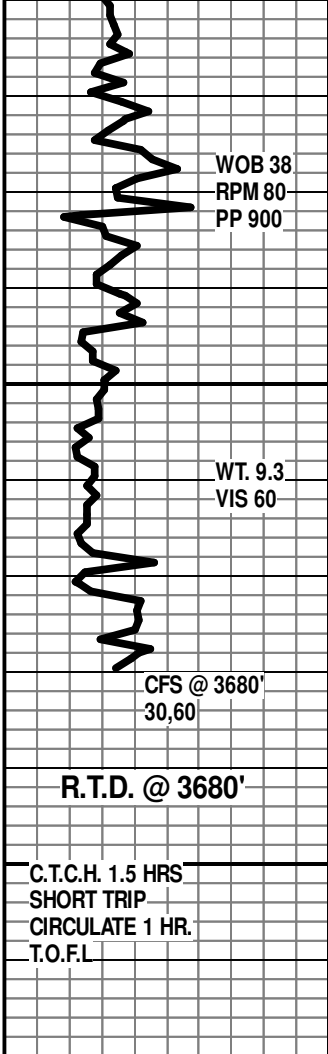
SH- RD TO MAROON, SFT TO V GMMY THRU

ARBUCKLE 3578'-1605'

DOLO- WHT TO OFF WHT, V HD DNS, F-XLN, RE-XLN, S-CHLY IP, SCAT SM IMB S-ANG TO RND DOLO GRNS THRU, MOTTL CHRTS THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

DOLO- OFF WHT, HD DNS TO TR BRIT IP, MD/F-XLN, RE-XLN MTRX, S-SUCRO IP, ABTD IMB SM TO MD S-ANG





DOLO GRNS THRU, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

DOLO- WHT TO OFF WHT, HD DNS TO BRTT IP, MD/F-XLN, RE-XLN MTRX, ABDT IMB MD S-ANG DOLO GRNS THRU, SCAT IMB SM RND DOLO GRNS, DUL YEL FLO IN 30%, V PR INTER-GRN POR IN 5%, NO VIS CUT OR SHOW

DOLO- OFF WHT TO CRM, HD DNS TO BRTT IP, MD-XLN, RE-XLN MTRX, ABDT IMB SM RND DOLO GRNS, SCAT IMB SM TO MD RND TO S-RND QRTZ GRNS, BRT YEL MIN FLO IN 20%, V DUL YEL FLO IN 5%, NO VIS POR, NO VIS CUT OR SHOW

R.T.D. @ 5:45 A.M. 6/29/12

DROP SURVEY

T.O.F.L. @ 9:00 A.M.

WEATHERFORD/ LIBERAL, KS

