



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1131184  
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: \_\_\_\_\_



1131184

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 <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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	TUZICKA 3-23
Doc ID	1131184

All Electric Logs Run

INDUCTION
MICRO
NEUTRON-DENSITY
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

April 02, 2013

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

Re: ACO1  
API 15-165-22001-00-00  
TUZICKA 3-23  
SE/4 Sec.23-16S-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: ~~1/2/2013~~ 12/12/12  
 Invoice # 6271

P.O.#:  
 Due Date: 2/1/2013  
 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

DEC 19 2012

SAMUEL GARY JR.  
 & ASSOCIATES, INC.

**Reference:**  
 TUZICKA 3-23

**Description of Work:**  
 LONG SURFACE JOB

DRLG  COMP  W/O  LOE  GG

Account	7200.138
Well/Prospect	
Deck	
AFE	
Approval	
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No				
Common-Class A	375	\$ 4,963.75	Yes				
8 5/8" Basket	3	\$ 1,000.67	Yes				
Bulk Truck Matl-Material Service Charge	386	\$ 814.89	No				
Calcium Chloride	14	\$ 704.31	Yes				
Pump Truck Mileage-Job to Nearest Camp	27	\$ 284.43	No				
8 5/8" Centralizer	3	\$ 202.67	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$ 166.44	No				
Premium Gel (Bentonite)	7	\$ 120.29	Yes				
8 5/8" Top Rubber Plug	1	\$ 111.89	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 95.00	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 9,428.18  
 Discount Available ONLY if Invoice is Paid & Received  
 within listed terms of invoice: \$ (1,414.23)

SubTotal for Taxable Items:	\$ 6,118.79
SubTotal for Non-Taxable Items:	\$ 1,895.17
<b>Total:</b>	<b>\$ 8,013.95</b>
<b>Tax:</b>	<b>\$ 385.48</b>
<b>Amount Due:</b>	<b>\$ 8,399.43</b>
<b>Applied Payments:</b>	
<b>Balance Due:</b>	<b>\$ 8,399.43</b>

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

No. 6271

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

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

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-12-12	23	16	16	RUSH	KANSAS		2:15 PM

Location GALATIA SW - N/INTO

Lease	TUZICKA	Well No.	#3-23	Owner	SAM GARY
Contractor	VAL #6	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.			
Type Job	L. SURFACE	Charge To	SAM GARY Jr + Assoc		
Hole Size	12 1/4"	T.D.	896'	Street	1515 WYNKOOP, STE 700
Csg.	8 5/8"	Depth	896'	City	DENVER
Tbg. Size		Depth		State	CO, 80202
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	42.12	Cement Amount Ordered	375 com - 3cc - 2% GEL

Meas Line	Displace	54 1/2 BBLs	Common	<del>375</del> 375
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EQUIPMENT				
Pumptrk #15	No.	Cementor		Poz. Mix
		Helper	NICK	
Bulktrk #13	No.	Driver		Gel.
		Driver	DOUG	7
Bulktrk Du	No.	Driver		Calcium
		Driver	CISCO	14

JOB SERVICES & REMARKS			
Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers	1, 16, 20	Kol-Seal	
Baskets	2, 17, 21	Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	386

CEMENT DID CIRCULATE!

FLOAT EQUIPMENT			
Guide Shoe			
Centralizer	3- 8 5/8" CENTRALIZERS		
Baskets	3- 8 5/8" BASKETS		
AFU inserts			
Float Shoe			
Latch Down			
	1- 8 5/8" BAFFLE PLATE		
	1- 8 5/8" RUBBER PLUG		

Pumptrk Charge	Long Surface		
Mileage	27		

THANK YOU!

X Signature *Randy D. [Signature]*

Tax	
Discount	
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@ruraltel.net

Date: 1/3/2013  
 Invoice # 6120  
 P.O.#:  
 Due Date: 2/2/2013  
 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**

JAN 09 2013

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

**Reference:**  
 TUZICKA 3-23

**Description of Work:**  
 PROD LONG STRING

ORLG  COMP  W/O  LUG  BGG

Account	8300.238
Well/Prospect	
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Salt (Fine)	19	\$279.98	Yes
Common-Class A	225	\$ 2,978.25	Yes	Pump Truck Mileage-Job to Nearest Camp	27	\$284.43	No
Gilsonite	1057	\$ 1,673.58	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$236.44	Yes
CFL 117	176	\$ 1,144.39	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$166.44	No
5 1/2" Basket	3	\$ 728.33	Yes	Flo Seal	56	\$118.22	Yes
Bulk Truck Matl-Material Service Charge	254	\$ 536.22	No	KCL	2	\$63.04	Yes
CD-110	117	\$ 494.00	Yes				
5 1/2" Turbolizer	8	\$ 489.78	Yes				
Mud Clear	500	\$ 390.56	Yes				
Defoamer A or CAF-38	50	\$ 369.44	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 323.00	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 11,239.96

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,685.99)

SubTotal for Taxable Items:	\$ 7,895.66
SubTotal for Non-Taxable Items:	\$ 1,658.30
<b>Total:</b>	<b>\$ 9,553.97</b>
<b>Tax:</b>	<b>\$ 497.43</b>

6.30% Rush County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 10,051.40**  
**Applied Payments:**  
**Balance Due: \$ 10,051.40**

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. 6120

Date	12-17-12	Sec.	23	Twp.	16	Range	16	County	Rush	State	Ks	On Location		Finish	10:30 AM
Location													Galatia Rd + Otis Rd, 2w N into		

Lease **Tuzicka** Well No. **3-23** Owner

Contractor **Ual Energy** #6 To Quality Oilwell Cementing, Inc.  
Type Job **Production** 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 **7 7/8"** T.D. **3650'** Charge To **Sam Gary Jr + Assoc.**

Csg **New 5 1/2" 1550'** Depth **3641.94'** 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. **43.37'** Shoe Joint **43.37'** Cement Amount Ordered **225x0 P-C 10% Salt 52 Gilsomite #117/15**  
**85 1/2 BLS .25% CAF 38 200 KCL 500 gal mud Clear 48**

Meas Line Displace **85 1/2 BLS** Common

**EQUIPMENT**  
Pumptrk **16** No. Cementer **Traois** Helper **Traois** Poz Mix **CE110 117#**  
Bulktrk **14** No. Driver **Billy** Driver **Billy** Gel.  
Bulktrk **p.u.** No. Driver **Rick** Driver **Rick** Calcium **KCL 2 gal**

**JOB SERVICES & REMARKS** Hulls

Remarks: Salt **19**

Rat Hole Flowseal **56#**

Mouse Hole Kol-Seal **1057#**

Centralizers **i-15 Every other one** Mud CLR 48 **500 gal**

Baskets **3, 9, 15** CFL-117 or CD110, CAF 38 **50#**

D/V or Port Collar **pipe on bottom, break Circ** Sand **178#**

**pump 500 gal mud Clear 48, plug** Handling **254**

**Rathole w/ 30 5x, plug mousehole w/ 155x** Mileage

**Hook to 5 1/2" Casing + mix 180 5x Cement.** **FLOAT EQUIPMENT**

**Shut down, wash pump + lines, Released plug** Guide Shoe

**+ Displaced w/ 85 1/2 BLS of water.** Centralizer **8 turbo's**

**Released + held.** Baskets **3**

**Lift pressure ~~800~~ #. 500#** AFU Inserts

**Land plug to 1400 #.** Float Shoe **1**

Latch Down **1**

Pumptrk Charge **proal long string**  
Mileage **27**

Tax  
Discount  
Total Charge

X Signature 





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

Well Name: Tuzicka 2-23  
 Location: Sec. 23 16S-16W Rush County, Kansas  
 License Number: 15-165-22001-0000 Region: WILDCAT  
 Spud Date: 12/11/12 Drilling Completed: 12/16/12  
 Surface Coordinates: 420 FSL/ 2250 FWL  
 Bottom Hole Coordinates:  
 Ground Elevation (ft): 1958' K.B. Elevation (ft): 1968'  
 Logged Interval (ft): 2900' To: 3650' Total Depth (ft): 3650'  
 Formation: Lansing/ Arbuckle  
 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: Schuyler Hedrick  
 Company: Earth Tech OGL, Inc.  
 Address: PO Box 683  
 Hooker, Okla . 73945  
 Off. 888-543-8378 Cell: 580-754-0231

**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	

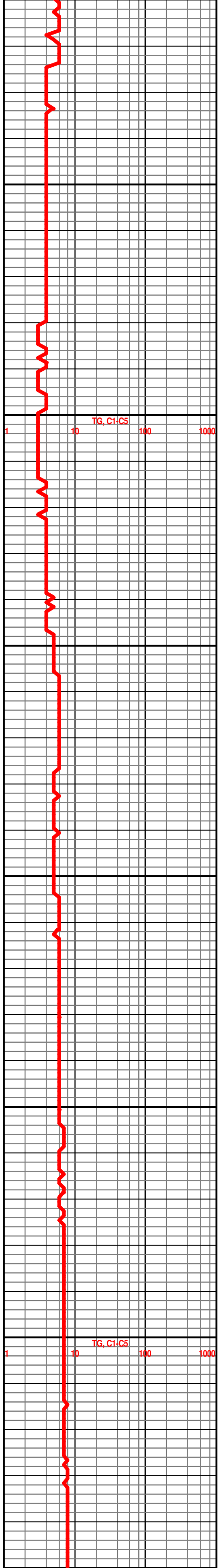
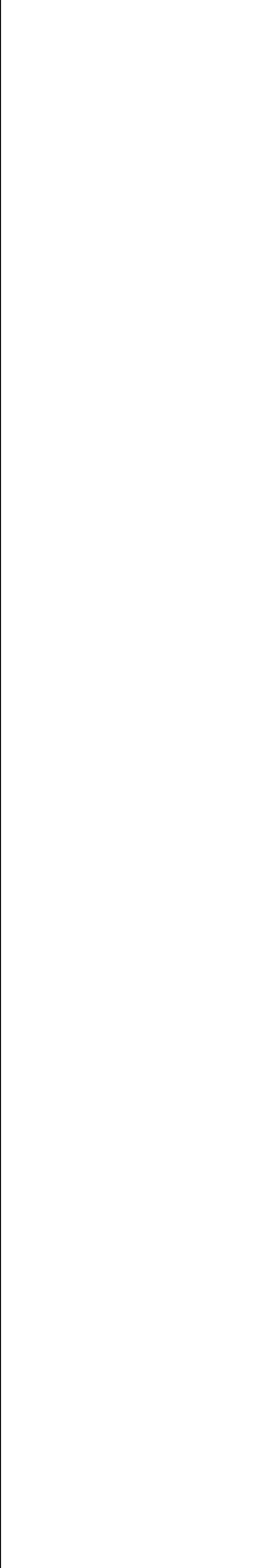
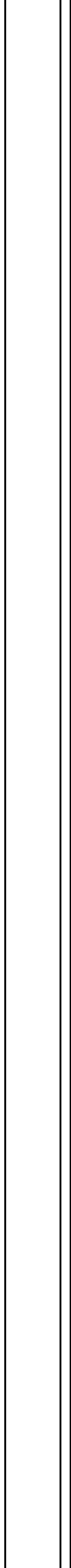
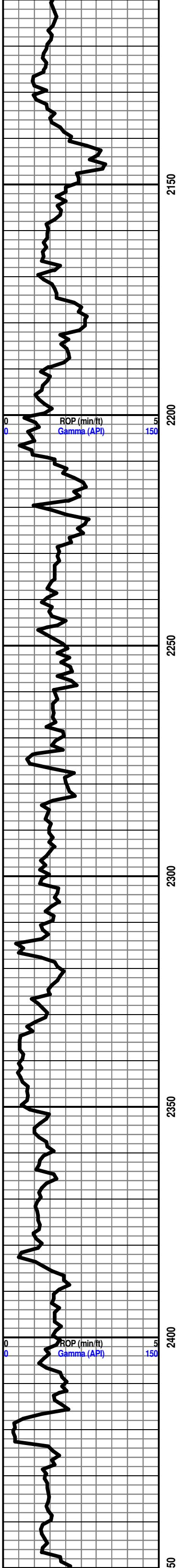
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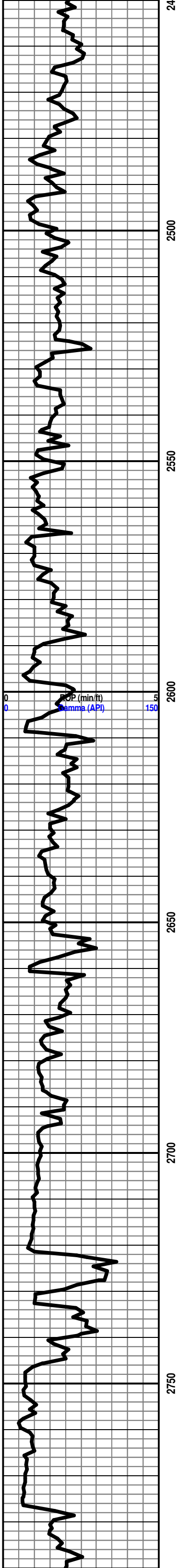
<b>MINERAL</b>	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	<b>TEXTURE</b>
Chtlt	<b>FOSSIL</b>	Oomold	Boundst
Dol	Algae	<b>STRINGER</b>	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**

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

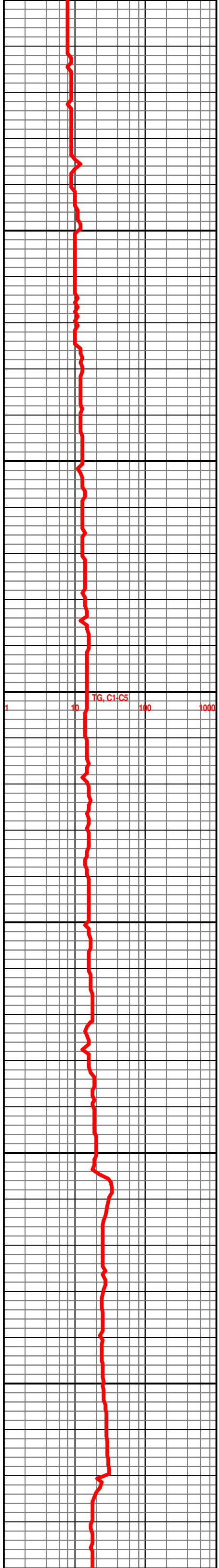


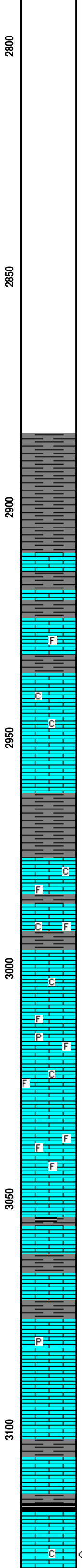
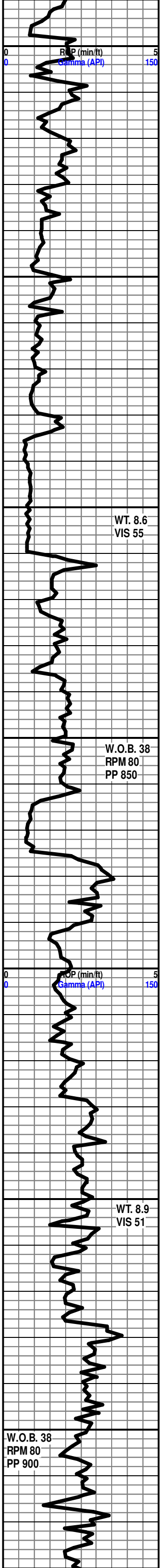




2750 2700 2650 2600 2550 2500 24

BRS 2721'-753'





START 24HR. MANNED UNIT 12/14/12

**HOWARD 2910'-942'**

LS- TN TO DK TN, OFF WHT IP, HD DNS TO BRTT IP, MD/F-XLN, RE-XLN, S-SUCRO IP, SCAT SM TO MD TO LG IP CALC-XLS THRU, SLI TR IMB FOSS FRAGS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT GY TO GY LT TN IP, HD DNS TO BRTT IP, MD/F-XLN MTRX, SLI TR S-CHLK IP, TR SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

**SEVERY 2962'-994'**

SH- GY TO DK GY, FRM TO V SFT, BLCK SMTH TXT

**TOPEKA 2976'-1008'**

LS- LT GY TO LT TN TN, HD DNS TO BRTT IP, MD/F-XLN MTRX, RE-XLN IP, TR S-CHLKY, SCAT SFT WHT CHLK IN TRAY, IMB FOSS FRAG IP, SLI TR PYR IN TRAY, DUL YEL FLO IN 20%, SLI TR YEL FLO IP, NO VIS POR, NO VIS CUT OR SHOW

LS- LT TN TO TN LT GY MOTT IP, HD DNS TO BRTT IP, MD-XLN MTRX, RE-XLN, TR S-CHLKY, SCAT IMB FOSS FRAGS IP, TR PYR IN TRAY, SLI TR SFT WHT CHLK IN TRAY, V DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LS- LT TN TO TN, HD DNS TO BRTT IP, MD/F-XLN, RE-XLN MTRX, S-SCHLKY, IMB LG FOSS FRAGS THRU, SCAT SFT WHT CHLK THRU TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GY TO DK GY, FRM TO SFT, SPLNTY

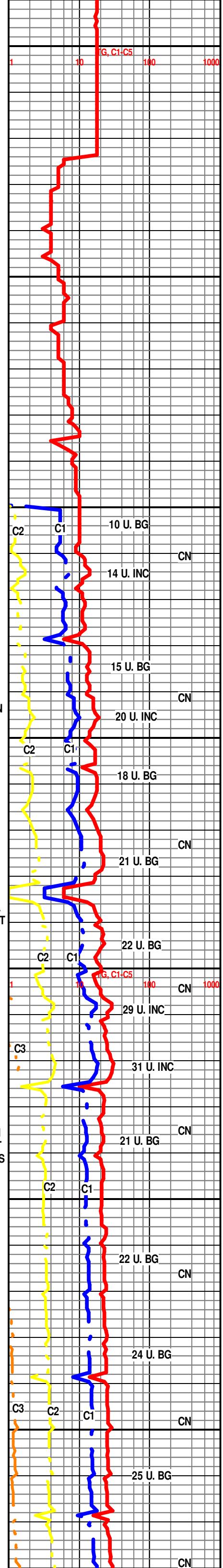
**LE COMPTON 3077'-1109'**

LS- OFF WHT TO CRM, V HD DNS TO TR BRTT IP, F/VF-XLN, CRYPTO-XLN IP, TR S-CHLKY IP, TR IMB SM CALC-XLS, SLI TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

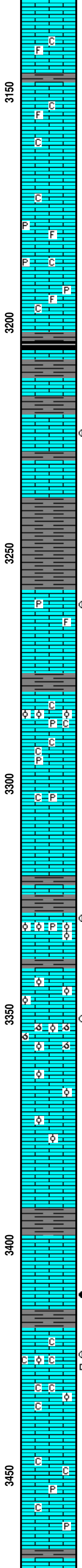
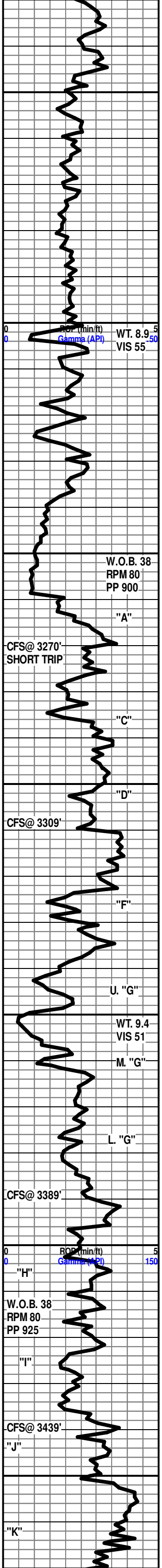
SH- LT GY TO GY, FRM TO SFT, BLCKY SMTH TXT

SH- BLCK SFT CARB

3125'-3128' LS- CRM TO LT TN (W/ DK BRWN OIL STN SCAT IN 30% & W/ LIVE OIL STN IN 20%, HD DNS TO BRTT IP, MD-XLN, RE-XLN, S-SUCRO IP, SCAT SM TO MD TO LG IP CALC-XLS THRU, SLI TR IMB FOSS FRAGS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW



10 U. BG  
14 U. INC  
15 U. BG  
20 U. INC  
18 U. BG  
21 U. BG  
22 U. BG  
29 U. INC  
31 U. INC  
21 U. BG  
22 U. BG  
24 U. BG  
25 U. BG



BRTT IP, MD-XLN, RE-XLN, S-CHLKY IP, IMB SM CALC-XLS IP, TR DUL YEL GLD FLO IN 10%, PR TO TR FR MICRO-PP POR IN 2%, TR PR INTER-XLN POR IP, FR TO GD FLSH CUT IN 40%, GD SLW STRM CUT IN 40%, LT TN TO TN LCH ON DSH, SLI FR OIL ODOR

LS- OFF WHT TO CRM, HD DNS TO BRTT IP, MD/F-XLN MTRX, RE-XLN IP, S-SCHLKY, SCAT SFT WHT CHLK IN TRAY, TR FREE FOSSIL IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN TN, HD DNS TO BRTT, MD/F-XLN MTRX, S-SUCRO, TR S-SHLKY, SCAT IMB SM CALC-XLS, SCAT DISS PYR, SLI TR IMB FOSS FRAGS IP, TR SFT WHT CHLK IN TR, DUL YEL FLO IN 20%, YEL FLO IP, NO VIS POR, NO VIS CUT OR SHOW

**HEEBNER 3201'-1233'**

SH- BLCK SFT CARB

3221'-3225' LS- OFF WHT TO CRM (W/ V LT TN OIL STN IN 20%), HD DNS TO BRTT, MD-XLN, RE-XLN MTRX, S-SUCRO THRU, SCAT IMB SM CALC-XLS THRU, SCAT SFT WHT CHLK THRU, DUL YEL GLD FLO IN 40%, SPTTD YEL GLD FLO IN 10%, V PR TO PR TO TR FR MICRO VUG POR IN 3%, V PR FLS CUT IN 20%, PR SLW STRM CUT IN 30%, SLI TR V LT TN LCH ON DSH, NO OIL ODOR

**DOUGLAS 3237'-1269'**

SH- LT GY TO GY GRN IP, SFT TO V GMMY THRU, BLCK SMTH TXT

**LANSING 3259'-1291'**

3261'-3263' LS- OFF WHT TO CRM (LT TN TO TN OIL STN IN 30%-35%), HD DNS TO BRTT IP, MD/F-XLN, RE-XLN IP, S-SUCRO THRU, V SLI TR S-CHLKY IP, SCAT IMB SM CALC-XLS, TR DISS PRY IP, V SLI TR IMB FOSS FRAGS IP, DUL YEL GLD FLO IN 40%, YEL GLD FLO IN 20%, BRT YEL GLD FLO IN 10%, PR TO TR FR MICRO VUG POR IN 2%, PR TO FR INTER-XLN POR IN 1%, PR TO FR FLSH CUT IN 40%, FR SLW STRM CUT IN 40%, LT TN LCH ON DSH, GD OIL ODOR

**LANSING "C" 3281'-1313'**

LS- CRM TO LT TN, HD DNS TO BRTT IP, MD/F-XLN, RE-XLN, S-CHLKY, SCAT IMB OOLITES, ABTD SFT WHT CHLK IN TRAY, SLI TR PYR IN TRAY, TR SPTTD DUL YEL FLO IP, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM, V HD DNS TO TR BRTT IP, F/VF-XLN MTRX, TR S-CHLKY IP, SCAT PYR IN TRAY, SLI TR SFT WHT CHLK IN TRAY, V DUL YEL FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

**LANSING "F" 3327'-1359'**

3328'-3330' LS- LT TN TO TN (DUE TO TN OIL STN IN 80%), HD DNS TO BRTT, MD-XLN, RE-XLN MTRX, V SUCRO, ABTD IMB OOLITES THRU, V-OOLITIC, SLI TR PYR IN TRAY, YEL GLD FLO IN 70%, BRT YEL GLD FLO IN 30%, FR TO GD INTER-OOLITIC POR IN 6%, FR TO GD FLSH CUT IN 60%, GD SLW STRM CUT IN 60%, TN LCH ON DSH, FR OIL ODOR

3350'-3354' LS- CRM TO LT TN, HD DNS TO BRTT, MD-XLN, RE-XLN, TR S-CHLKY, OOLMOLDIC, IMB SM OOLITES IP, ABTD SFT WHT CHLK IN TRAY, SPTTD DUL YEL FLO IP, PR OOLMOLDIC POR IN 5%, NO FLSH CUT, SLI TR SLW STRM CUT IP, NO LCH ON DSH, NO OIL ODOR

LS- OFF WHT TO CRM LT TN, HD DNS TO BRTT IP, MD/F-XLN MTRX, RE-XLN IP, S-CHLKY, IMB SM CALC-XLS, SCAT IMB SM OOLITES IP, SCAT SFT WHT CHLK THRU TRAY, DUL YEL FLO IN 40%, YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

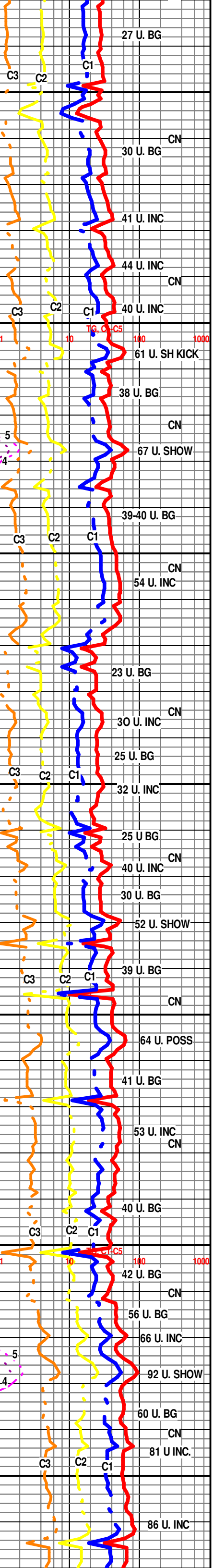
**LANSING "H" 3398'-1430'**

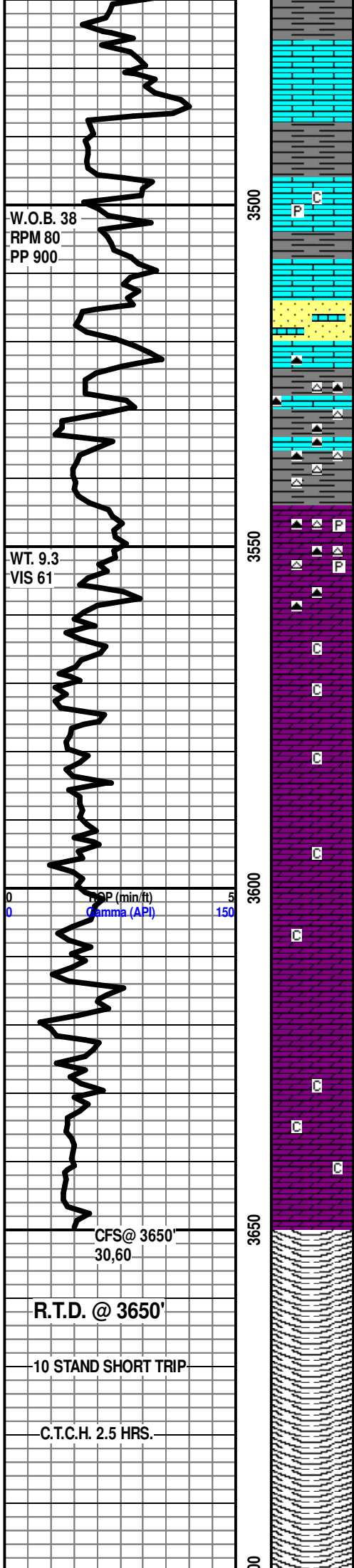
3410'-3411' LS- OFF WHT TO TN (W/ TN TO DK TN OIL STN IN 70%), HD DNS TO SLI TR BRTT IP, MD/F-XLN MTRX, RE-XLN IP, S-SUCRO THRU, SCAT IMB LIME GRNS, DUL YEL GLD FLO IN 40%, SCAT SPTTD BRT YEL GLD FLO IN 10%, MICRO VUG POR IN 2-3%, EXCEL FLSH CUT IN 80%, EXCEL SLW STRM CUT IN 80%, TN LCH ON DSH, V GD OIL ODOR

LS- WHT TO OFF WHT (W/ D.O.S. IN 80% & DK BRWN TO BLCK OIL STN IN 10%), HD DNS TO V BRTT SFT, MD-XLN, CHLKY MTRX, ABTD SFT WHT CHLK THRU, TR IMB SM OOLITES IP, SLI TR IMB CALC-XLS, SPTTD BRT YEL GLD FLO IP, TR V PR INTER-XLN POR IP, FR FLSH CUT IN 20%, GSSY CUT IN 30%, TR LT TN LCH ON DSH, STRNG OIL ODOR

LS- CRM TO LT TN, HD DNS TO BRTT IP, MD/F-XLN MTRX, S-CHLKY, IMB SM CALC-XLS, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM LT TN, V HD DNS, F/VF-XLN, CRYPTO-XLN IP, S-CHLKY, IMB SM CALC-XLS IP, SCAT PYR IN TRAY, V DUL YEL FLO IN 20%, TR SPTTD YEL FLO IP, NO VIS POR, NO VIS CUT OR SHOW





**BKC 3487'-1519'**

3499'-3502' LS- CRM TO LT TN (W/ DK BRWN OIL STN IN 70%), HD DSN TO BRIT, MD-XLN, V RE-XLN MTRX, S-SCURO, TR S-CHLKY IP, ABDT IMB SM TO MD S-RND CLR QRTZ GRNS THRU, SCAT IMB SM LM GRNS, SLI TR SFT WHT CHLK IN TRAY, V SLI TR PYR IN TRAY, V DUL YEL GLD FLO IN 30%, DUL YEL GLD FLO IN 10%, PR TO FR TO TR GD INTER-GRN POR IN 3%, TR MICRO VUG POR IP, GD FLSH CUT IN 80%, EXCEL SLW STRM CUT IN 80%, DK TN LCH ON DSH, GD OIL ODOR

3515'-3518' SS- CRM TO LT TN (W/ LIVE OIL IN 30%-40%), HD TT TO TR FRI IP, ABDT VF TO MD RND TO S-RND CLR QRTZ GRNS THRU, V PR TO PR SRT, CALC-CMNT, IMB LM GRNS IP, TR IMB WHT SFT CHLK, DUL YEL GLD FLO IN 70%, SPTTD BRT YEL GLD FLO IN 10%, V PR TO PR TO TR FR INTER-GRN POR IN 3%, EXCEL FLSH CUT IN 80%, EXCEL SLW STRM CUT IN 90%, DK TN TO BRWN LCH ON DSH, FR TO GD OIL ODOR

**ARBUCKLE 3544'-1576'**

DOLO- WHT TO OFF WHT, HD DNS TO BRIT IP, MD/F-XLN MTRX, IMB SM S-ANG TO RND DOLO GRNS THRU, SCAT MOTT CHRT IN TRAY, PYR IN TRAY, DUL YEL FLO IN 40%, NO VIS POR, NO VIS SHOW

3559'-3561' DOLO- WHT TO OFF WHT (W/ LT TN STN IP), HD DNS TO TR BRIT IP, MD-XLN, RE-XLN MTRX, SLI TR S-CHLKY IP, ABDT IMB SM TO MD ANG TO S-ANG DOLO GRNS THRU, DUL YEL FLO IN 40%, SPTTD YEL GLD FLO IP, V PR TO PR INTER-GRN POR IN 1%, NO FLSH CUT, TR SLW STRM CUT IN 5%, NO VIS LCH ON DSH, NO OIL ODOR

DOLO- OFF WHT TO CRM, HD DNS TO BRIT IP, MD/F-XLN MTRX, RE-XLN, S-CHLKY, IMB SM RND DOLO GRNS THRU, SCAT IMB SM S-ANG TO RND CLR QRTZ GRNS, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 30%, YEL FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

DOLO- CRM TO LT TN, HD DNS TO BRIT IP, MD-XLN, RE-XLN MTRX, ABDT IMB SM-MD S-ANG TO RND DOLO GRNS THRU, SCAT IMB SM RND TO S-RND CLR QRTZ GRNS, ABDT SFT WHT THRU TRAY, YEL FLO IN 30%, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

**R.T.D. @ 12:15 P.M. 12/16/12**

DROP SURVEY

T.O.F.L. @ 3:30 PM.

WEAHTERFORD/ LIBERAL, KANSAS

