



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1080708  
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: \_\_\_\_\_

1080708

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

<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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	W.B. 1-1
Doc ID	1080708

All Electric Logs Run

DIL
MICRO
POR
SONIC
SPECTRAL

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	W.B. 1-1
Doc ID	1080708

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3201-3205	2000 GAL OF 28% MCA W/ 3% MAS	3201-3205
4	3226-3232	1000 GAL OF 28% MCA W/ 3% MAS	3226-3232
4	3242-3248	1000 GAL OF 28% MCA W/ 3% MAS	3242-3248
4	3281-3288	500 GAL OF 28% MCA W/ 3% MAS	3281-3288
4	3323-3328	500 GAL OF 28% MCA W/ 3% MAS	3323-3328
4	3365-3371	2000 GAL OF 28% MCA W/ 3% MAS	3365-3371
4	3374-3402	2000 GAL OF 28% MCA W/ 3% MAS	3374-3402

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 09, 2012

TOM FERTAL  
Samuel Gary Jr. & Associates, Inc.  
1515 WYNKOOP, STE 700  
DENVER, CO 80202

Re: ACO1  
API 15-165-21955-00-00  
W.B. 1-1  
NW/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 at 303-831-4673.

Respectfully,  
TOM FERTAL



**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: 2/20/2012  
 Invoice # 4606

P.O.#: 2  
 Due Date: 2/21/2012  
 Division: Russell

# Invoice

V/202-AP-127 2/9

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

**Reference:**  
 W B 1-1

**Description of Work:**  
 LONG SURFACE JOB

DRLG  COMP  W/O  LOE  GG

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

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 977.42	No	Baffle Plate Aluminum, 8 5/8"	1	\$96.34	Yes
Common-Class A	370	\$ 4,831.89	Yes				
8 5/8" Basket	3	\$ 1,014.76	Yes				
Bulk Truck Matl-Material Service Charge	390	\$ 834.93	No				
Calcium Chloride	13	\$ 524.06	Yes				
Pump Truck Mileage-Job to Nearest Camp	21	\$ 224.34	No				
8 5/8" Centralizer	3	\$ 205.52	Yes				
Flo Seal	92	\$ 196.96	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$ 131.28	No				
Premium Gel (Bentonite)	7	\$ 121.99	Yes				
8 5/8" Top Rubber Plug	1	\$ 113.46	Yes				

**Invoice Terms:**

Net 30

	<b>SubTotal:</b>	\$ 9,272.94
	<b>Discount Available ONLY if Invoice is Paid &amp; Received within listed terms of invoice:</b>	\$ (1,390.94)
<hr/>		
	SubTotal for Taxable Items:	\$ 6,039.23
	SubTotal for Non-Taxable Items:	\$ 1,842.77
<hr/>		
	<b>Total:</b>	\$ 7,882.00
	<b>Tax:</b>	\$ 380.47
<hr/>		
	<b>Amount Due:</b>	\$ 8,262.47
	<b>Applied Payments:</b>	
	<b>Balance Due:</b>	\$ 8,262.47

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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RECEIVED

JAN 27 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. 4606

Date	1-18-12	Sec.	16S	Range	16W	County	Rush	State	KS	On Location		Finish	10:30 P
Lease	WB	Well No.	1-1	Location		<del>1W Sinto</del> 1W Sinto							
Contractor	Val Rig 6					Owner Gorkham S to CL							
Type Job	Surface					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	12 1/4		T.D.		1025'								
Csg.	8-5/8		Depth		1025'								
Tbg. Size	2 3/4 pound		Depth		Street								
Tool			Depth		City State								
Cement Left in Csg.	40 FT		Shoe Joint		40 FT								
Meas Line			Displace		63								
					The above was done to satisfaction and supervision of owner agent or contractor.								
					Cement Amount Ordered 370 gal com								

**EQUIPMENT**

Pumptrk	No.	Cement Helper	Matt
Bulktrk	No.	Driver	#5 pearl
Bulktrk	No.	Driver	#13 mchd

30% cc 2 1/2 gal 1/4 flow  
Common 370  
Poz. Mix  
Gel. 7  
Calcium 13

**JOB SERVICES & REMARKS**

Remarks:  
Rat Hole  
Mouse Hole  
Centralizers 1, 14, 23  
Baskets 2, 15, 24  
D/V or Port Collar  
~~Establish circulation~~  
mx 370 gal  
Displace hard plug @ 800 psi  
Cement circulation @  
1.4 PSI 500 psi

Hulls  
Salt  
Flowseal 92#  
Kol-Seal  
Mud CLR 48  
CFL-117 or CD110 CAF 38  
Sand  
Handling 90  
Mileage 4 5/16  
**FLOAT EQUIPMENT**  
Guide Shoe  
Centralizer 3  
Baskets 3  
AFU Inserts  
Float Shoe  
Latch Down  
Baffle plate Buildup plug  
head manifold  
Pumptrk Charge Long Surface  
Mileage 21

X 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: 1/26/2012  
 Invoice # 356

P.O.#:  
 Due Date: 2/25/2012  
 Division: Russell

# Invoice

*V1202-AP-K2 2/16*

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

**Reference:**  
 WB 1-1

**Description of Work:**  
 PROD LONG STRING

<input checked="" type="checkbox"/> DRLG	<input type="checkbox"/> COMP	<input type="checkbox"/> W/O	<input type="checkbox"/> LOE	<input type="checkbox"/> GG
Account	8300.238			
Well/Prospect				
Deck				
AFE	<i>[Signature]</i>			
Approval	<i>[Signature]</i>			
Description				

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 977.42	No	Latch Down Plug & Baffle, 5 1/2"	1	\$239.77	Yes
Common-Class A	225	\$ 2,938.31	Yes	Pump Truck Mileage-Job to Nearest Camp	21	\$224.34	No
Gilsonite	1057	\$ 1,697.15	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$131.28	No
CFL 117	176	\$ 1,160.51	Yes	Flo Seal	56	\$119.89	Yes
5 1/2" Basket	3	\$ 738.59	Yes	KCL	2	\$63.93	Yes
Bulk Truck Matl-Material Service Charge	254	\$ 543.77	No				
CD-110	117	\$ 500.96	Yes				
5 1/2" Turbolizer	8	\$ 496.68	Yes				
Defoamer A or CAF-38	50	\$ 374.65	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 327.55	Yes				
Salt (Fine)	19	\$ 283.92	Yes				

**Invoice Terms:**

Net 30

SubTotal:	\$	10,818.72
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(1,622.81)
SubTotal for Taxable Items:	\$	7,600.62
SubTotal for Non-Taxable Items:	\$	1,595.29

6.30% Rush County Sales Tax

Total:	\$	9,195.91
Tax:	\$	478.84
<b>Amount Due:</b>	<b>\$</b>	<b>9,674.75</b>
<b>Applied Payments:</b>		
<b>Balance Due:</b>	<b>\$</b>	<b>9,674.75</b>

**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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**RECEIVED**

**JAN 31 2012**

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



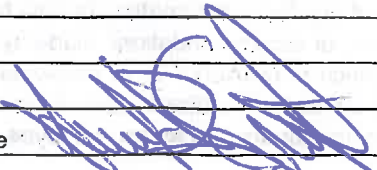
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 356

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-23-12	1	16	16	RUSH	KANSAS		5:45pm
Lease W.B.	Well No. 1-1		Location GORHAM STO County LINCOLN - STATO				
Contractor VAL ENERGY INC #10				Owner SAMUEL GARY JR & ASSOC. INC			
Type Job PRODUCTION STRING				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 7 7/8"	T.D. 3610		Charge To SAMUEL GARY JR & ASSOC. INC.				
Csg. 5 1/2" NEW 15 1/2 LB	Depth 3591.27		Street 1515 WYNKOOP, STE 700				
Tbg. Size	Depth		City DENVER State COLORADO				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint 22		Cement Amount Ordered 2850-200L-10%WAT-5%GEL				
Meas Line	Displace 85 BLS		4 1/2" ANVIL - 38" CD-110 - 2% CEL-117 - 25% CEL-50 - 50% DRYER				
<b>EQUIPMENT</b>							
Pumptrk 15 No. Cementer	Helper		Common 225				
Bulktrk 10 No. Driver	Driver		Poz. Mix				
Bulktrk P/U No. Driver	Driver		Gel.				
<b>JOB SERVICES &amp; REMARKS</b>				Calcium CD-110 117#			
Remarks:				Hulls KCL 20 BBL			
Rat Hole 30 SX				Salt 19			
Mouse Hole 15 SX				Flowseal 56#			
Centralizers 1,3,5,7,9,11,13,15				Kol-Seal 1057#			
Baskets 3,9,15				Mud CLR 48 500 gal			
D/V or Port Collar:				CFL-117 or CD110 CAF 38 50A			
PIPE ON BOTTOM BREAK CIRCULATION				Sand CFL-117 176#			
DUMP 500 GAL MUD CLEAR 48				Handling			
PLUG RAT HOLE 30 SX				Mileage			
PLUG MOUSE HOLE 15 SX				<b>FLOAT EQUIPMENT</b>			
HOOKED TO 5 1/2" CASTING - MIXED 180				Guide Shoe			
SX - CEMENT - SHUT DOWN WASHED				Centralizer 8-TURBOS			
DUMMO LINES, RELEASED PLUG AND				Baskets 3			
DISASSEMBLED BUBBLE HEAD.				AFU Inserts			
RELEASED - FLOAT HELD.				Float Shoe 1-5 1/2"			
LIG PST 800 LB				Latch Down 1			
Land Plug @ 1700 LB				Rotating Head			
Pumptrk Charge Prod Long String				Tax			
Mileage 21				Discount			
Signature 				Total Charge			



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

Well Name: W.B. # 1-1  
 Location: Sec 1 16s 16w, Rush county, kansas  
 License Number: 15-165-21955-0000  
 Spud Date: 1/17/2012  
 Surface Coordinates: 135' FNL & 1260' FWL  
 Region: WILDCAT  
 Drilling Completed: 1/22/2012

Bottom Hole Coordinates:  
 Ground Elevation (ft): 1926' K.B. Elevation (ft): 1936'  
 Logged Interval (ft): 2850' To: 3610' Total Depth (ft): 3610'  
 Formation: Lansing, kansas City  
 Type of Drilling Fluid:

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

**OPERATOR**

Company: Sam Gary Jr. & Assoc  
 Address: 1515 Wynkoop, # 700  
 Denver, Co. 80202  
 Geo: Tom Fertal

**GEOLOGIST**

Name: Tim Hedrick  
 Company: EARTH TECH OGL, Inc.  
 Address: PO Box 683  
 102 W. Main  
 Hooker, Okla. 73945

**ROCK TYPES**

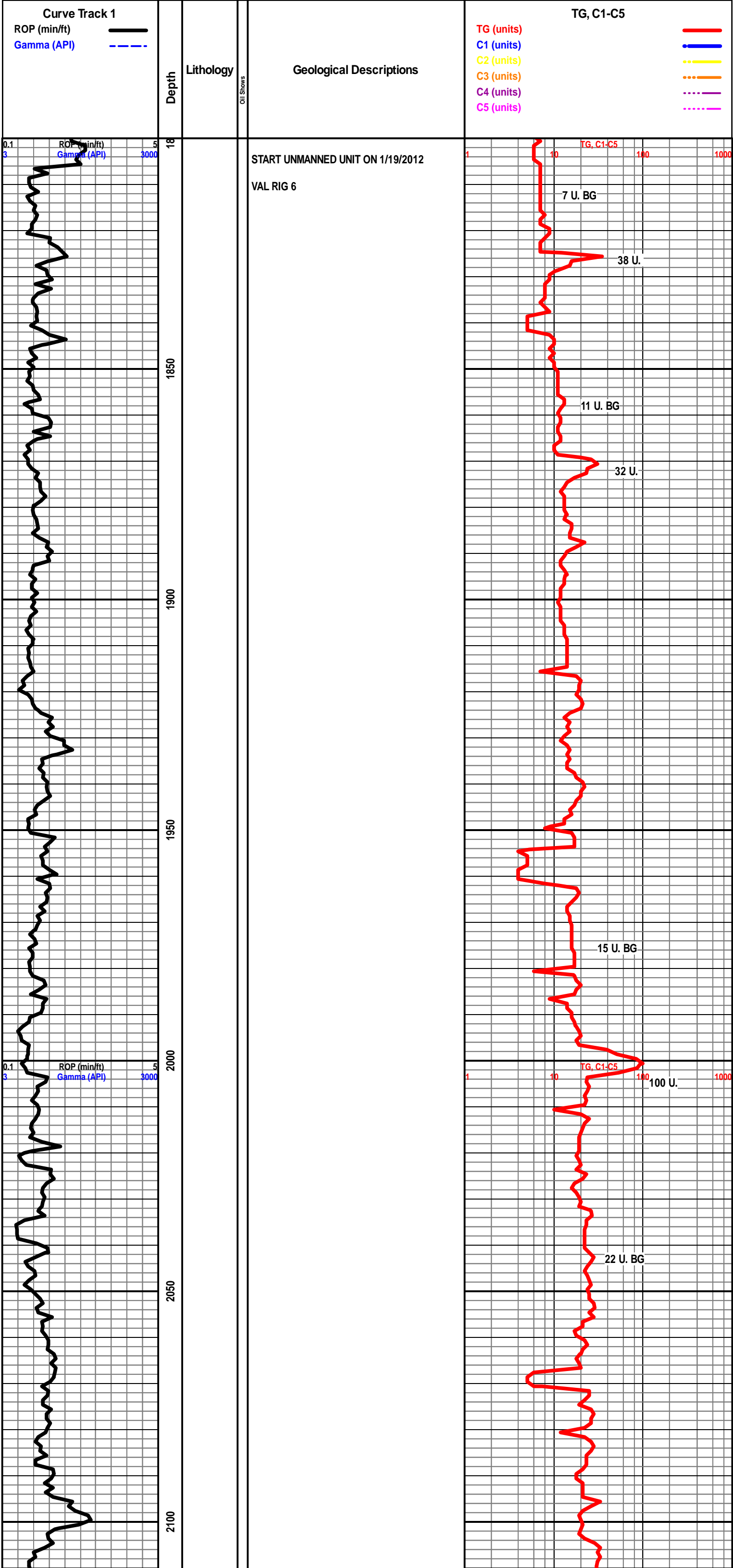
Anhy	Gyp	Shgy	Sandylms
Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlyslts
Clyst	Mrlst	Carb sh	SltysH
Coal	Salt	Dol	Lms
Congl	Shale	Dtd	
Dol	Shcol	Gry sh	

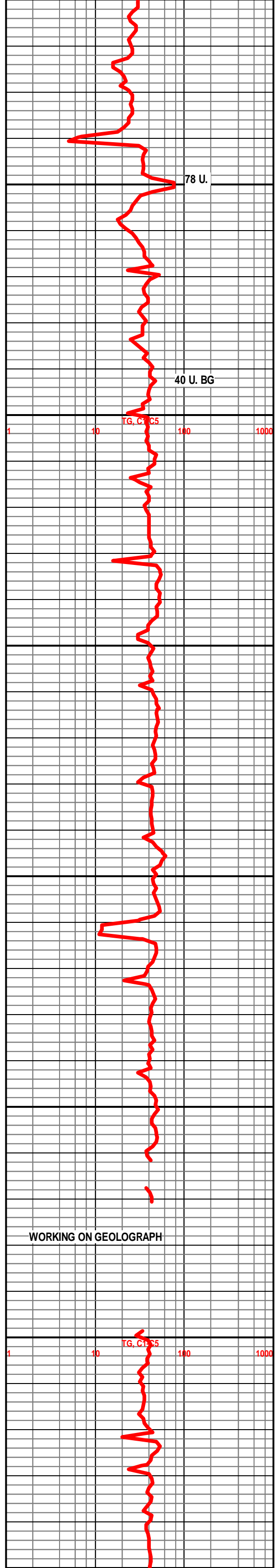
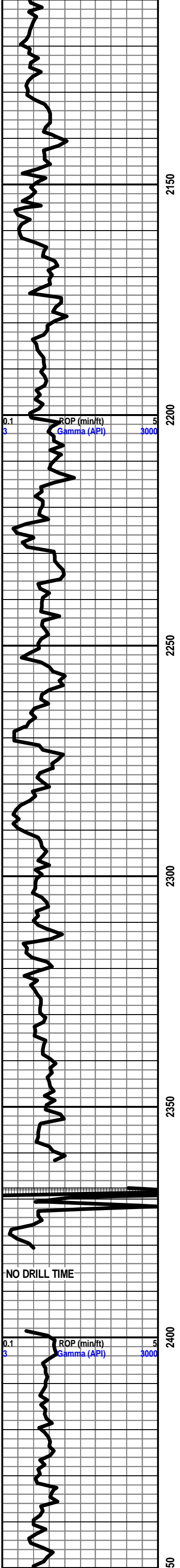
**ACCESSORIES**

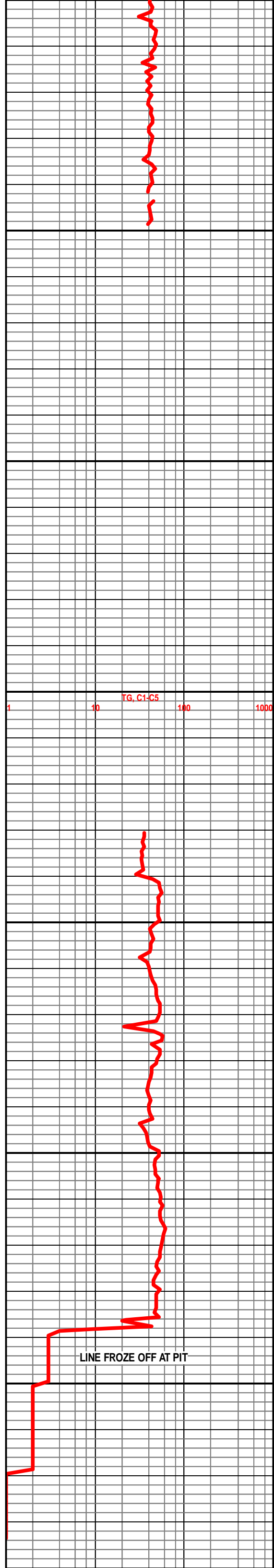
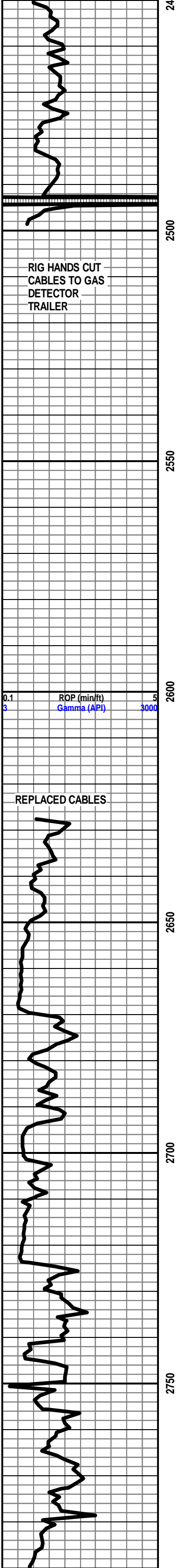
<b>MINERAL</b>	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Sltly	Fuss	<b>TEXTURE</b>
Chtlt	<b>FOSSIL</b>	Oomold	Boundst
Dol	Algae	<b>STRINGER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

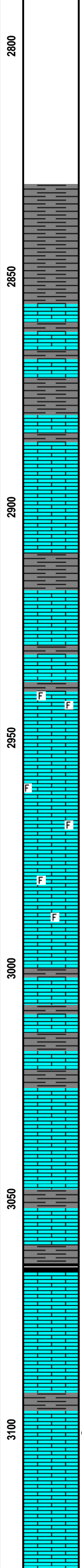
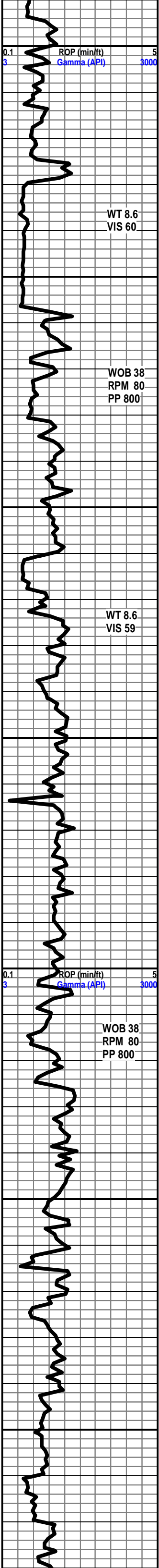
<b>POROSITY TYPE</b>	<b>SORTING</b>	Angular	<b>INTERVALS</b>
Earthy	Well	<b>OIL SHOWS</b>	Core
Fenest	Moderate	Even	Dst
Fracture	Poor	Spotted	Dst
Inter	<b>ROUNDING</b>	Ques	<b>EVENTS</b>
Moldic	Rounded	Dead	Rft
Organic	Subrnd	Gas show	Sidewall
Pinpoint	Subang		
Vuggy			







BRS- 2669' - 733'



START 24 HR MANNED UNIT 1/20/2012

WT 8.6  
VIS 60

SH- LT TO MD GY- FRM IP TO SFT GMMY TXT

**HOWARD 2857' - 921'**

LS-TN BRN -HD DNS, F-V/F-XLN RE-XLN MTRX IP, TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW

WOB 38  
RPM 80  
PP 800

SH- LT TO MD GY- FRM BLKY SMTH TXT

LS- CRM LT TN TN- HD DNS F-V/F-XLN , TR SUCRO TXT IP, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

**SEVERY 2910' - 974'**

SH- V/ LT GY- V/ SFT GMMY

**TOPEKA 2918' - 982'**

WT 8.6  
VIS 59

LS- OFF WHT CRM BFF- HD DNS IP TO MD HD, V/ SUCRO S-CHLKY TO CHLKY MTRX, LT YEL FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN, HD DNS TO BRITT, F-V/F-XLN ,RE-XLN MTRX, TR FOSS FRGS IMBD IP , SLI TR IMBD SH IP, DLL YEL FLO IP , NO VIS POR, NO VIS SHOW

LS-LT TN TN- HD DNS MD-F-XLN RE-XLN MTRX, ABTD IMBD FOSS FRGS THRU, TR SMLL CALC XLS, DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS TR BRITT, F-V/F-XLN, TR SCAT IMBD FOSS FRGS IP, SLI TR CALC XLS IP, DLL YEL MIN FLO , NO VIS POR, NO VIS SHOW

WOB 38  
RPM 80  
PP 800

LS- CRM LT TN LT GY- MOTT, HD BRITT, F-XLN TO MD -XLN SUCRO IP ABTD IMBD DISS AND LMNTD LT GY SH, HVY TR ARG , NO FLO , NO VIS POR, NO VIS SHOW

**LECOMPTON 3025' -1089'**

LS- LT TN TN- HD DNS TO TR BRITT, MD-F-XLN , RE-XLN IP, TR FOSS FRGS, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- MD TO DK GY - FRM BLKY SMTH XT, V/ CALC IP

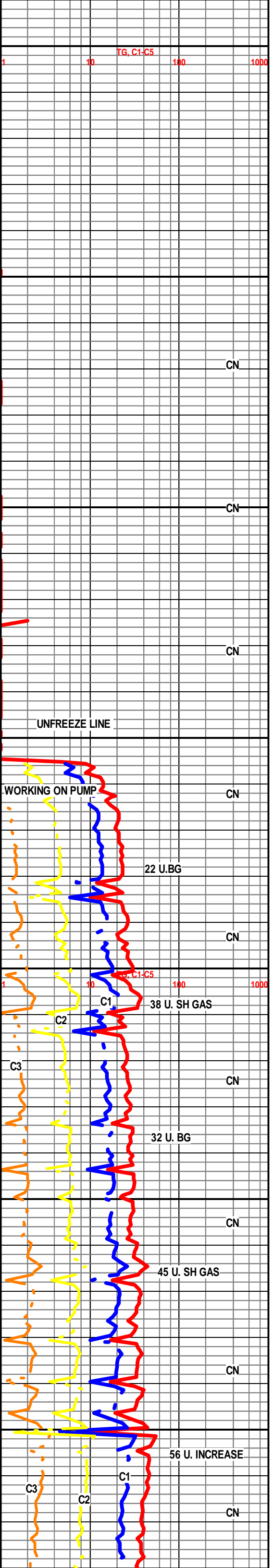
SH- BLK SFT CARB TO DK GY HD SPLNTY

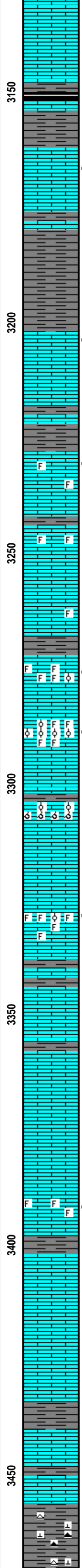
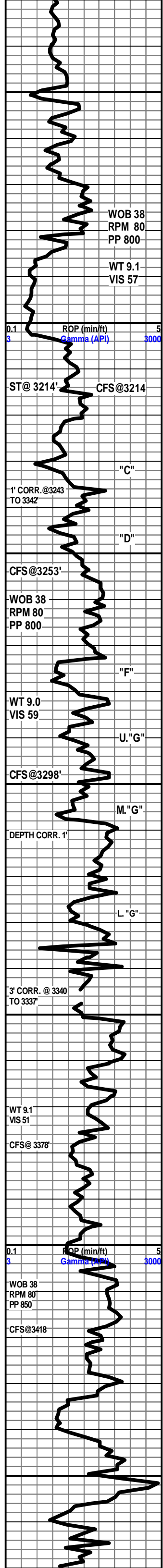
LS- OFF WHT CRM - MD HD TO SFT IP, V/ SUCRO S-CHLKY TO CHLKY MTRX, TR DLL YEL MIN FLO IN, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS MD-F-XLN TO V/F-XLN SLI TR S-SUCRO IP LT YEL MIN FLO ,NO VIS POR, NO VIS SHOW

LS- LT TN TN BRN- ( LV OIL STN THRU 1 ROCK) HD DNS TO TR BRITT, MD-F-XLN RE-XLN MTRX S-SUCRO IP, DLL YEL GLD FLO THRU, PR VIS INTER-XLN POR, EXCEL INST FLSH CUT TO EXCEL SLO STRM MLKY BLUE CUT

LS- OFF WHT CRL BFF- MD HD TO SFT IP, V/ SUCRO S-CHLKY TO CHLKY MTRX IP, TR FOSS FRGS IP, LT YEL MIN FLO, NO VIS





POSS TRUSS, LT TEL MIN FLO, NO VIS POR, NO VIS SHOW

**HEEBNER 3149' -1213'**  
SH- BLK SFT CARB  
SH- LT GRN- V/ SFT GMMY  
3165-3167 LS- OFF WHT TO CRM , LT TN OIL STN IP, 1 ROCK, HD DNS F-VF-XLN RE-XLN MTRX, TR IMBD CHRT IP, SCAT IMBD FOSS FRGS IP, BRIT YEL GLD FLO THRU, PR SCAT MICROVUG POR IP, PR FLSH CUT TO FR TO GD SLO STRM CUT THRU, NO ODOR

**DOUGLAS 3184'- 1248'**  
SH- RED GRN GY- FRM BLKY IP TO V/ SFT GMMY SLI TR SLTY IP

**LANSING 3203'-1267'**  
3202-3205 LS- CRM LT TN TN DUE TO LT TN STN SCAT THRU, 2 ROCKS, HD DNS TO SLI BRITT, F-VF-XLN IP, S-SUCRO IP, ABDT SMLL CALC XLS IN VUGS, BRIT YEL GLD FLO IN 80%, PR SCAT VIS MICROVUG, PR FLSH CUT , FR SLO STRM CUT IN PART, NO ODOR, NO STN ON DISH

**LANSING "C" 3229' - 1293'**  
3229-31' LS-LT TN TN DUE TO OIL STN IN 70%, HD DNS TO TR BRITT, V/ SUCRO MTRX TO MD-XLN IP, RE-XLN, SCAT IMBD FOSS FRGS, TR MD CALC XLS IMBD IP, BRIT YEL GLD FLO IN 10%, DLL YEL GLD FLO IN 60%, PR SCAT MICROVUG POR IN 30%, V/ GD FLSH CUT IN 80%, V/ GD SLO STRM MLKY CUT IN 80%, STRNG OIL ODOR, LT TN LCH ON DISH

3241-3249' LS- OFF WHT LTN TN- HD TO BRITT, MD-XLN RE-XLN MTRX, V/ FOSS IP, SCAT MD ANG IMBD LM GRNS, SLI TR CHLK IP, TR DLL YEL MIN FLO , NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD DNS V/F-CRYPTO-XLN TR FOSS FRGS IP, NO FLO, NO VIS POR, NO VIS SHOW

**LANSING "F" 3273' - 1337'**  
3273-3277' LS- LT TN TN DUE TO LT TN OIL STN IN 80%, HD DNS TO V/ BRITT IP, MD-XLN, RE-XLN MTRX, V/ FOSS THRU, TR SCAT SMLL OOL IP, IMBD CHLK IP, BRIT YEL GLD FLO IN 80%, V/ DLL YEL FLO IN 20%, PR TO FR VIS SCAT INTER-FOSS POR, PR TO TR FR MICROVUG POR IN 30%, FR FLSH CUT IN 50% TO FR TO TR GD SLO STRM MLKY BLU CUT IN 50%, GD OIL ODOR, V/ LT TN LCH ON DISH

3287-3290' LS CRM LT TN TN DUE TO EVEN OIL STN THRU, HD V/ BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSS TO V/ MICRO OOL THRU, V/ BRIT YEL GLD FLO IN 90%, GD VIS INTER-FOSS POR, FR VIS INTER-OOL POR IP, TR GD SCAT MICROVUG POR IP TO POSS OOLMLD POR IP, GD FLSH CUT IN 40%, EXCEL SLO STRM MLKY BLUE CUT IN 70%, GD OIL ODOR, V/ LT TN LCH

3306-3308' LS- OFF WHT TO WHT , TR TN STN IN 10%, HD V/ BRITT, MD-F-XLN RE-XLN MTRX, V/ OOLMLD TO SLI OOL IP, ABDT SFT WHT CHLK IP, NO FLO, FR SCAT OOLMLD POR IP, NO FLO, NO VIS POR, NO VIS SHOW

SAMPLES 80% UPHOLE CAVINGS

3374'-3380' LS-L TN LT GY- TN OIL STN ON 80%, 3 ROCKS, HD BRITT, MD-XLN RE-XLN MTRX, V/ FOSS , SLI OOL IP, V/ SUCRO IP, SLI TR WHT CHLK IP, DLL YEL GLD FLO IN 60%, NO FLO IN 30%, FR SCAT INTER-FOSS POR IN 10%, FR FLSH CUT IN 20%, GD SLO STRM CUT IN 20%, FR SLO STRM CUT IN 10%, NO CUT IN 70%, FR OIL ODOR

LS- OFF WHT CRM BFF- HD TO MD HD, V/ SUCRO MTRX V/ S-CHLKY TO CHLK IP, TR DLL YEL FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM - HD DNS IP TO BRITT, MD-F-XLN TO SUCRO SLI S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO WHT , FRM TO SFT , ABDT SFT WHT GMMY CHLK, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

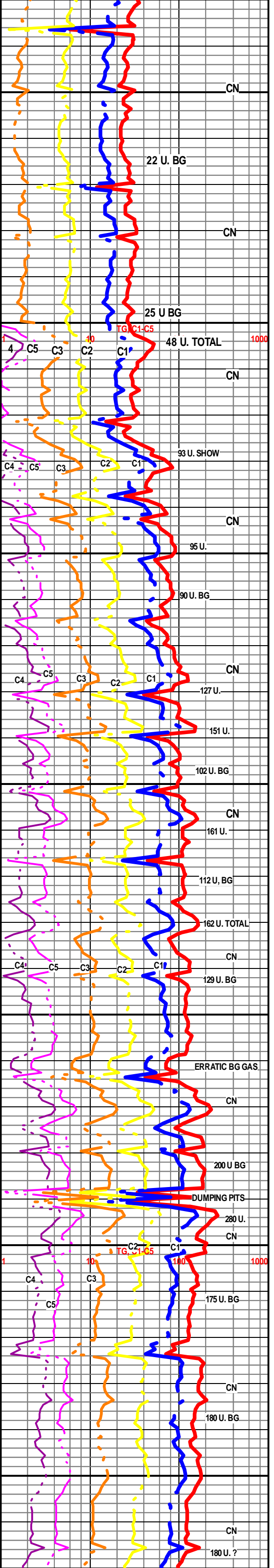
SAMPLES 90% UPHOLE CAVINGS

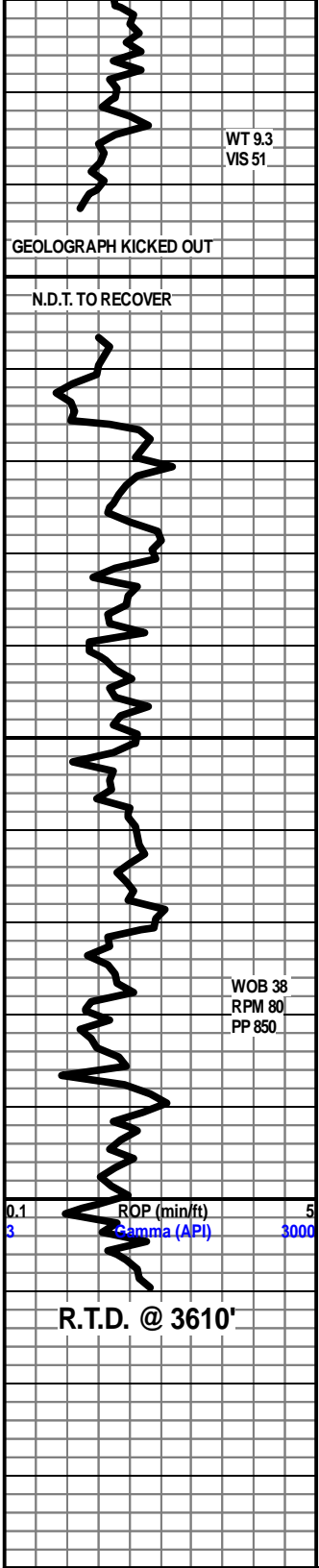
3492' LS- OFF WHT LT GY TO DK TN DUE TO DK BRN TO BLK ASPHLT STN IP, HD DNS IP TO BRITT, F-VF-XLN RE-XLN MTRX V/FOSS IP, BRIT YEL GLD SPTD FLO THRU, DLL YEL GLD FLO IP, GD VIS INTER-XLN FOSS POR IN 60%, SCAT MICRO VUG POR IP, FR FLSH CUT THRU, TO GD SLO STRM CUT THRU, GD OIL ODOR

LS- CRM LT TN TN- HD DNS F-VF-XLN TO TT SUCRO MTRX IP, HVY TR ABDT SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS F-VF-XLN TO SUCRO SLI S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

**BKC 3433' 1497'**  
SH- RED BRN GRN, FRM BLKY SMTH TXT, SLI GRNY IP  
LS- CRM LT TN TN- HD DNS TO BRITT F-XLN TO SUCRO IP , NO FLO, NO VIS POR, NO VIS SHOW  
SH- RED - V/ SFT GMMY TXT TO V/ SLTY IP





SH- RED SFT GMMY W/ ABDT WHT OPQUE TN MOTT  
CHRT, TR LS IP

SH- RED DK BRN- V/ SFT GMMY TXT W/ ABDT TN BRN  
OPQUE CHRT, IMBD LS IP

**ARBUCKLE 3516' - 1580'**

DOLO- FRSTY WHT LT GY W/ SLI TR TN OIL  
STN SPTTD IN 2%, HD DNS V/ TTSUCRO MTRX  
TO F-XLN IP , HVY TR ABDT SFT CHLK IMBD  
IP, BRIT YEL MIN FLO THRU, NO VIS POR, TR  
PR SLO STRM CUT IP

DOLO-WHT OFF WHT- HD DNS F-XLN TO V/ TT  
FN SUCRO MTRX, ABDT IMBD SFT WHT CHLK,  
SLI TR IMBD SMLL S-RND TO RND CLR QURTZ  
GRNS, BRIT YEL MIN FLO, NO VIS POR, NO  
VIS SHOW OR CUT

DOLO- OFF WHT CRM BFF- HD DNS TO BRITT,  
V/ TT SUCRO MTRX TO F-XLN IP TR  
REWORKED WHT CHRT W/ IMBD PYR, BRIT  
YEL MIN FLO , PR VIS INTER-XLN POR, NO  
VIS CUT OR SHOW

DOLO- PRED A/AB-OFF WHT CRM BFF- HD  
DNS TO BRITT, V/ TT SUCRO MTRX TO F-XLN  
IP TR REWORKED WHT CHRT W/ IMBD PYR,  
HVY TR OF ABDT SFT CHLK , BRIT YEL MIN  
FLO , PR VIS INTER-XLN POR, NO VIS CUT OR  
SHOW

DOLO- WHT OFF WHT- HD DNS TO BRITT IP,  
MD-XLN TO CRS SUCRO MTRX , ABDT IMBD  
MD ANG DOLO GRNS THRU TR LMNTD GRN  
CLAY, BRIT YEL FLO THRU, TR V/ PR  
INTER-XLN POR IP, NO VIS SHOW OR CUT

R.T.D. AT 7:56 PM 1/22/2012

CFS 1.5 HRS

ST TO 3100

CTCH 1.25 HRS

TOFL

