



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1165339
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: _____



1165339

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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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 28, 2013

Tisha Love
Castelli Exploration, Inc.
6908 NW 112TH
OKLAHOMA CITY, OK 73162-2976

Re: ACO1
API 15-033-21728-00-00
Einsel A #3
SE/4 Sec.13-33S-17W
Comanche 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,
Tisha Love

Einsel A #3 Frac Job

09-24-13 Great Plains Fluid Svc set 17, 500 bbl frac tanks then filled them w/ well from Gregg Ranch. RU Basic Energy Svc frac equipment, frac well as follows: SICP – 550#, Stage #1; 66,000 gal pad, 886# @ 66.8 bpm (increased pad rate slowly). Stage #2; 20,000 gal w/ .1# of 30/50 sand, 823# @ 66.9 bpm. Stage #3; 21,000 gal w/ .2# of 30/50 sand, 809# @ 66.7 bpm. Stage #4; 21,000 gal w/ .3# of 30/50 sand, 796# @ 67.1 bpm. Stage #5; 26,000 gal w/ .4# of 30/50 sand, 779# @ 67 bpm. Stage #6; 26,000 gal w/ .5# of 30/50 sand, 755# @ 67.1 bpm. Stage #7; 26,000 gal w/ .6# of 30/50 sand, 723# @ 66.9 bpm. Stage #8; 26,000 gal w/ .7# of 30/50 sand, 702# @ 67.3 bpm. Stage #9; 26,000 gal w/ .8# of 30/50 sand, 689# @ 67.1 bpm. Stage #10; 23,000 gal w/ .9# of 16/30 sand, 668# @ 66.4 bpm. Stage #11; 20,000 gal w/ 1# of 16/30 sand, 615# @ 66.4 bpm. Stage #12; 4,000 gal w/ 1.5# of 16/30 resin sand, 613# @ 66.7 bpm. Stage #13; 2,000 gal w/ 2# of 16/30 resin sand, 601# @ 66.7 bpm. Stage #14; 6,600 gal flush, 687# @ 66 bpm. ISIP – 36# & 4 min – vac. Total load – 7637 bbl. RDMO Basic Energy Svc. SDFN



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 08715 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>09-04-13</u> DISTRICT <u>PRATT KS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER <u>CASTELLI - EXPLORATION</u>		LEASE <u>EINSEL</u>		WELL NO. <u>A-3</u>						
ADDRESS		COUNTY <u>COMANCHE</u>		STATE <u>KS</u>						
CITY STATE		SERVICE CREW <u>Sullivan, McRAW, Phye</u>								
AUTHORIZED BY		JOB TYPE <u>CNW 5" 1/2 casing</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>33708-20920</u>	<u>1 hr</u>						<u>09-04-13</u>			<u>12:50</u>
<u>70959-89918</u>	<u>1 hr</u>					ARRIVED AT JOB				<u>6:00</u>
<u>37900</u>						START OPERATION				<u>10:30</u>
						FINISH OPERATION				<u>11:30</u>
						RELEASED				<u>12:00</u>
						MILES FROM STATION TO WELL	<u>7 1/2</u>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Ruby Tapp
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2 cmt	SK	150		2,550.00
CP 103	60/40 p02 cmt	SK	85		1,320.00
CC 102	Coll/Fake	lb	38		140.60
CC 111	SALT	lb	684		342.00
CC 112	cmt fractur medium	lb	43		258.00
CC 115	C-44	lb	141		726.15
CC 129	Fluid Loss	lb	43		322.50
CC 201	ritsorb	lb	750		502.50
CF 607	LA 744 Down Play a Batch 5 1/2	SA	1		400.00
CF 1251	Auto Fill shoe Alert	SA	1		360.00
CF 1601	Cent	SA	2		1,000.00
CF 704	CLAY MAX	ML	6		210.00
CF 100	Rock on	ms	75		318.75
CF 101	Heavy Escal on	ms	150		1,050.00
CF 113	Block Debris	TM	806		1,290.00
CF 206	Depth change	SA	1		2,880.00
CF 240	Bleeding - mix	SK	235		329.00
CF 504	Plug Contam Control	SA	1		250.00
S 003	Second Surfer	SA	1		175.00

SUB TOTAL 10,593.38

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

THANK YOU Ruby Tapp

SERVICE REPRESENTATIVE Robert J. [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Ruby Tapp
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>CASTELLI-EXPLORATION</i>		Lease No.		Date <i>09-04-13</i>	
Lease <i>EINSEL</i>		Well # <i>H-3</i>			
Field Order # <i>8715</i>	Station <i>PRATT KS</i>	Casing <i>5 1/2</i>	Depth <i>5621</i>	County <i>COMANCHE</i>	State <i>KS</i>
Type Job <i>CNW 5 1/2 ConStng</i>			Formation	Legal Description <i>13-33-17</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5 1/2</i>				Pre Pad	Max		5 Min.	
Depth <i>5621</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>133</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>2,000</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>P.C</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>5579'</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Lillie</i>
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Service Units	<i>37700</i>	<i>33700</i>	<i>20920</i>	<i>70959</i>	<i>19918</i>				
Driver Names	<i>Sullivan</i>	<i>McGRAD</i>	<i>Phye</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:00</i>					<i>on loc soft, waiting</i>
					<i>Run 134 STS 5 1/2 15.5 csg.</i>
<i>9:25</i>					<i>CASING ON BOTTOM</i>
<i>9:35</i>					<i>Hook R; circ csg.</i>
<i>10:30</i>	<i>250</i>		<i>3</i>		<i>At SPICAL</i>
			<i>10</i>	<i>4.5</i>	<i>mix SCAVENGER cont 35 SK (0.13 pp)</i>
			<i>36</i>		<i>mix AA-2 cont @ 15.2 pp 150 SK</i>
					<i>cont mixed shot down wash, Pump Line</i>
					<i>Release Plug</i>
				<i>6</i>	<i>At Disp w/ 2% KCL 4²⁰</i>
	<i>250</i>		<i>103</i>		<i>Lift PS</i>
	<i>800</i>		<i>125</i>	<i>4.</i>	<i>Slow Rate</i>
<i>11:20</i>	<i>1500</i>		<i>137 1/2</i>		<i>Plug down</i>
			<i>7</i>	<i>2</i>	<i>plug R. 4 w/ 30 SK 6000 per</i>
			<i>5</i>		<i>plug M. 4 w/ 20 SK</i>
					<i>JOB Complete</i>

Thank You

Customer CASTELLI EXP.	Lease No.	Date 8-29-2013
Lease EINSEL	Well # A-3	
Field Order # 07141	Station PRATT, KS.	Casing 13 3/8" Depth
Type Job CNW-13 3/8" C.P.	Formation TD-306'	County COMANCHE State KS.
		Legal Description 13-33-17

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 13 3/8 x 48	Tubing Size	Shots/Ft	CMT -	Acid 150 SKS. A-CON		RATE	PRESS	ISIP
Depth 306'	Depth	From	To	Pre Pad @ 2.47 CUFT³	Max			5 Min.
Volume 48 BBL	Volume	From	To	Pad 150 SKS. 60/40 POZ	Min			10 Min.
Max Press 300	Max Press	From	To	Frac @ 1.21 CUFT³	Avg			15 Min.
Well Connection S.V.	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 2800'	Packer Depth	From	To	Flush 45 BBL	Gas Volume			Total Load

Customer Representative RICK POPP	Station Manager K. GORDLEY	Treater K. LESLEY
Service Units 375816 19829 19843 10959 19918		
Driver Names BORROR LESLEY MARQUEZ JONES		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
5:00 AM					ON LOCATION - SAFETY MEETING
6:30 AM					RUN LOGS. 13 3/8" x 48" CSG.
10:55 AM					CSG. ON BOTTOM
11:00 AM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
11:30 AM	200		5	6	H2O AHEAD
11:34 AM	150		66	6	MIX 150 SKS. A-CON @ 12 PPG
11:45 AM	75		32	6	MIX 150 SKS. 60/40 POZ @ 14.8 PPG
11:50 AM	0		0	5	START DISPLACEMENT
11:58 AM	200		40	3	SLOW RATE
12:00 PM	200		45	2	CMT. @ DESIRED DEPTH
					CIRC. THRU JOB
					CIRC. 20 BBL TO PIT
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



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

Well Name: Castelli Exploration, Inc. Einsel A- #3
 Location: Sec. 13-33S-17W Comanche Co. Ks.
 License Number: API 15-033-21728 Region: U.S.A.
 Spud Date: 8/28/2013 Drilling Completed: 9/3/2013
 Surface Coordinates: 250' FSL. , 1,950' FEL. , of NW, SE, SW, SE, in Sec. 13

Bottom Hole Same
 Coordinates:
 Ground Elevation (ft): 1,858' K.B. Elevation (ft): 1,870'
 Logged Interval (ft): 3,900' To: 5,625' Total Depth (ft): 5,625'
 Formation: Miss. Spergen
 Type of Drilling Fluid: Chemical

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

OPERATOR

Company: Castelli Expl. , Inc.
 Address: 6908 N.W. 112th. St.
 Okla. City, Okla.
 73162

GEOLOGIST

Name: Cameron Castelli
 Company: Castelli Expl. , Inc.
 Address: 6,908 N.W. 112th. St.
 Okla. City , Okla.
 73162

Comments

Logger : Joel Knight
 Cell : (580) 216- 5489
 Unit : # 6

Dring. Co. : Duke , rig # 6
 Samples : caught by rig hands

ROCK TYPES

	Anhy		Congl		Mrlst		Ss
	Bent		Dol		Salt		Till
	Brec		Gyp		Shale		sdy sh
	Cht		Igne		Shcol		calc sh
	Clyst		Lmst		Shgy		shale
	Coal		Meta		Slst		carb sh

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral

- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol

- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

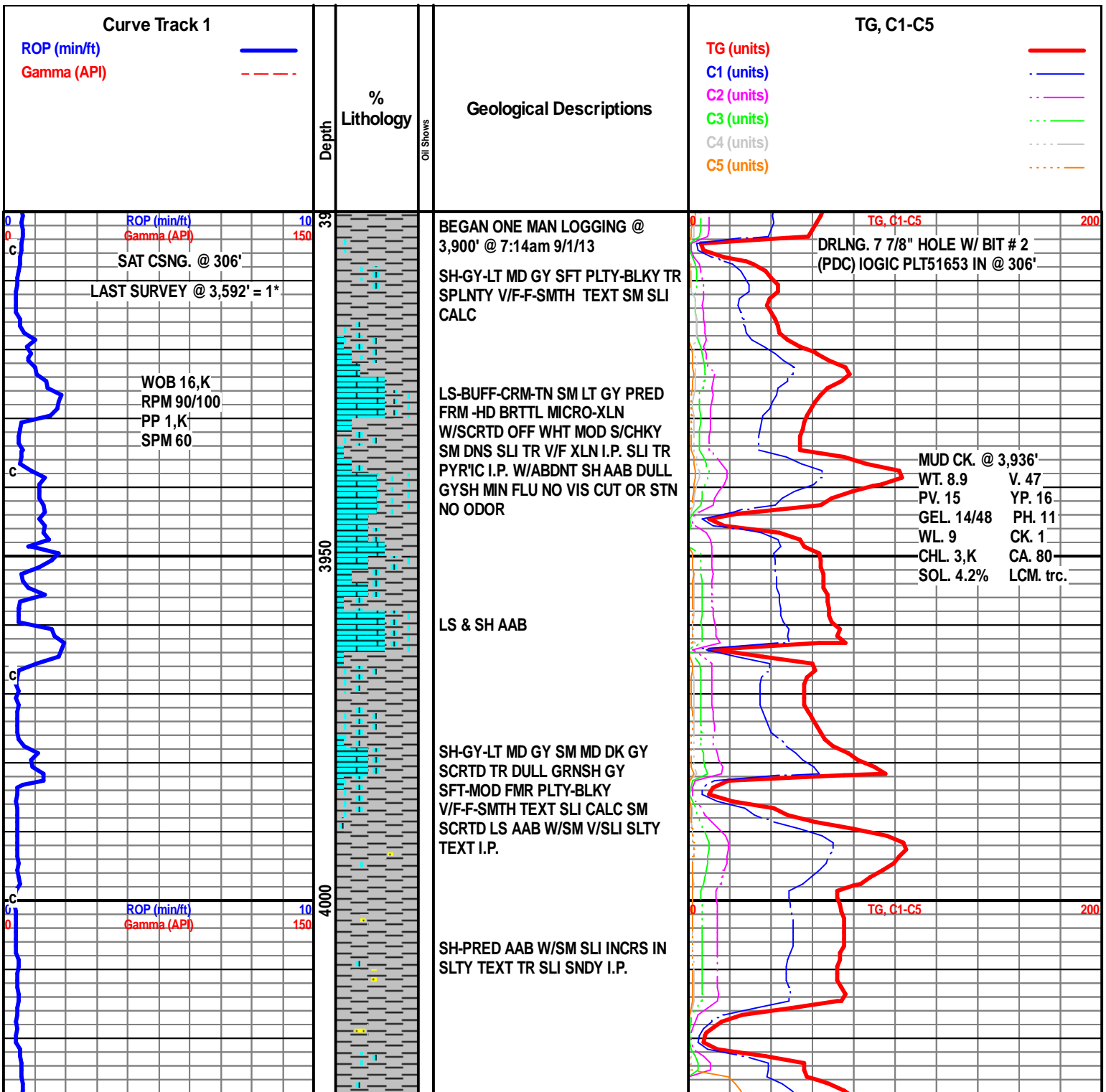
- Even
- Spotted
- Ques
- Dead

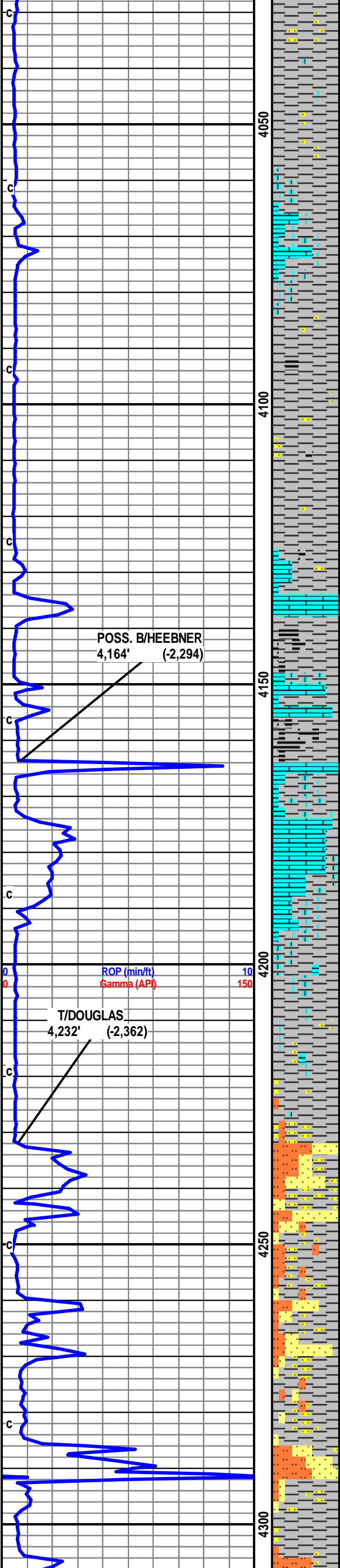
INTERVALS

- Core
- Dst

EVENTS

- Rft
- Sidewall





SH-GY-MD GY SLI TR MD DK GY SFT
 PLTY-BLKY-S/BLKY V/F-SMTH TEXT
 SLI CALC SLI SLTY TEXTTR PYR
 SPKS I.P.

LS-OFF WHT-BUFF-CRM PRED
 MICRO-XLN TR V/F XLN V/SLI SUC
 I.P. V/SLI FOSS ARG W/ABDNT SH
 AAB

SH-MD GY-MD DK GY SCRTD TR
 BLK SFT PRED BLKY-S/BLKY
 ABDNT PLTY V/F-F-SMTH TEXT SM
 V/SLI SLTY TEXT

SH-AAB

LS-BUFF-CRM-TN SM OFF WHT
 PRED FRM-HD BR TTL MICRO-XLN
 SCRTD TR V/F XLN ARG TR SLI
 MOTT

SH-MD DK GY-DK GY-BLK SFT FISS
 MOD CARB SM SLI CALC-V/SLI LMY

SH-MD DK GY-DK GY-BLK SFT FISS
 CARB

SH. GAS 169u.

LS-AAB PRED HD BR TTL
 MICRO-XLN

LS-OFF WHT-BUFF-TN-LT GY
 FRM-MOD HD SM SLI S/CHKY W/SM
 DNS BR TTL V/F-MICRO -XLN TR SLI
 SUC I.P. ARG W/SCRTD TR SH
 INCLUS POOR POR W/ABDNT DULL
 GYSH MIN FLU

SH-MD GY-MD DK GY SM DULL
 GRNSH GY SFT PRED BLKY-
 S/BLKY ABDNT PLTY V/F-F-SMTH
 TEXT SM SLI CALC-TR LS AAB SM
 SLI SLTY

TG. C1-C5

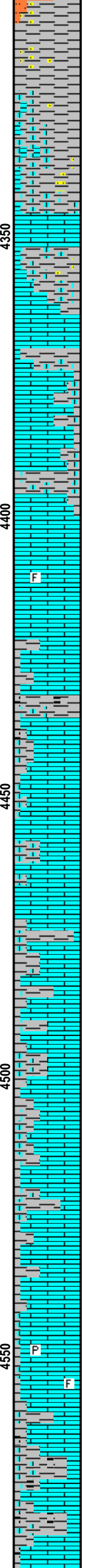
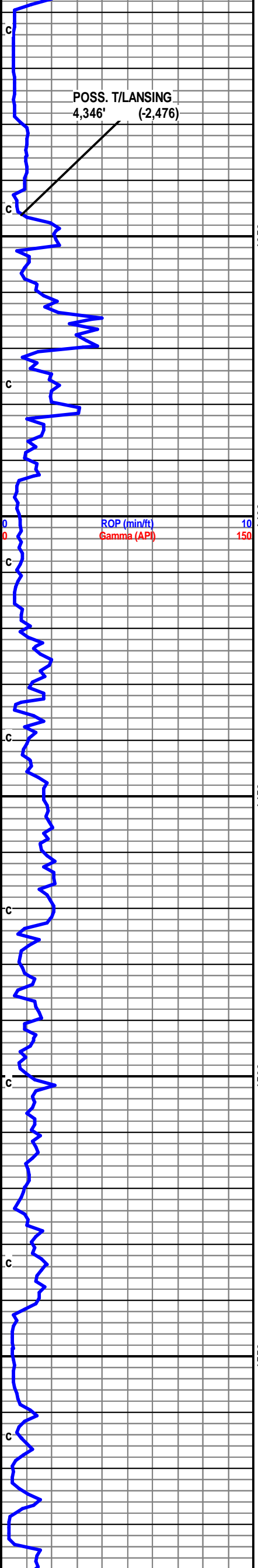
200

SS-WHT-FRSTY-LT GY V/F GRN
 CONSD ABDNT SILI W/SM CALC
 CMNTG S/ANG-S/RND FRM-HD SM
 MOD FRI W/ABDNT GRDNG TO
 SLTSTN QUALTY ABDNT SLTY -SLI
 SNDY SH THRUOUT PRED POOR
 POR THRUOUT W/SLI TR I.G. POR
 I.P. DULL MIN FLU

SH-LT MD GY-MD GY SM MD DK GY
 SFT-MOD FRM SLTY-SLI SNDY
 THRUOUT W/SS/SLTSTN AAB

SS/SLTSTN AAB W/ABDNT SLTY
 -SNDY SH V/POOR POR W/DULL
 MIN FLU

SH-GY-MD GY-MD DK GY SFT-MOD
 FRM BLKY-PLTY W/ABDNT S/BLKY



SM TR SPLNTY V/F-F-SMTH TEXT
 SLI SLTY TEXT THRUOUT W/SM HD
 SLI FRI LT MD GY SLTSTN

SH-AAB W/ABDNT SLI CALC-SLI
 LMY

LS-BUFF-CRM-TN-LT GY SM MD GY
 PRED FRM SM MOD S/CHKY BRTTL
 THRUOUT W/SCRT HD DNS
 V/F-MICRO-XLN SLI TR F/XLN I.P.
 SLI MOTT I.P. ARG W/TR SH INCLUS
 I.P. DULL GYSH MIN FLU W/SLI TR
 V/DULL YEL GLD FLU NO VIS CUT
 OR STN NO ODOR

LS-AAB W/SM SH SCRTD THRUOUT

LS-OFF WHT-BUFF-CRM MOD FRM
 S/CHKY W/SM WHT CHKY I.P.
 V/F-MICRO-XLN ARG V/SLI MOTT I.P.
 ARG W/SLI TR MD DK GY SH
 INCLUS I.P. FRLY TT W/SM TR POR
 I.P. ABDNT DULL MIN FLU SLI TR
 V/DULL GLD FLU NO VIS CUT OTR
 STN NO ODOR

SH-MD GY-MD DK GY SFT
 BLKY-PLTY V/F-F TEXT SLI CALC
 SM LMY W/ABDNT LS AAB

LS-BUFF-CRM-TN-LT BRN SM MD
 BRN-MD GY PRED FRM MOD HD
 BRTTL SM S/CHKY W/SCRT DNS
 PRED MICRO-XLN SM TR V/F-F-XLN
 I.P. V/SLI SUC I.P. SLI MOTT I.P.
 ARG TR SH INCLUS POOR POR
 THRUOUT TR POR I.P. ABDNT DULL
 GYSH MIN FLU

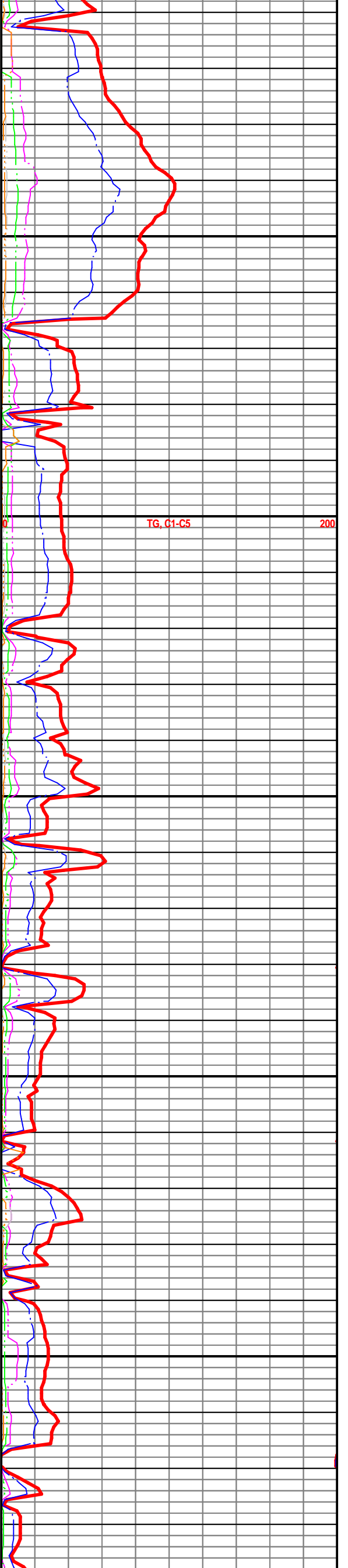
LS-AAB W/ABDNT GY-MD GY-MD DK
 GY PLTY-BLKY SLI CALC-LMY SH
 THRUOUT

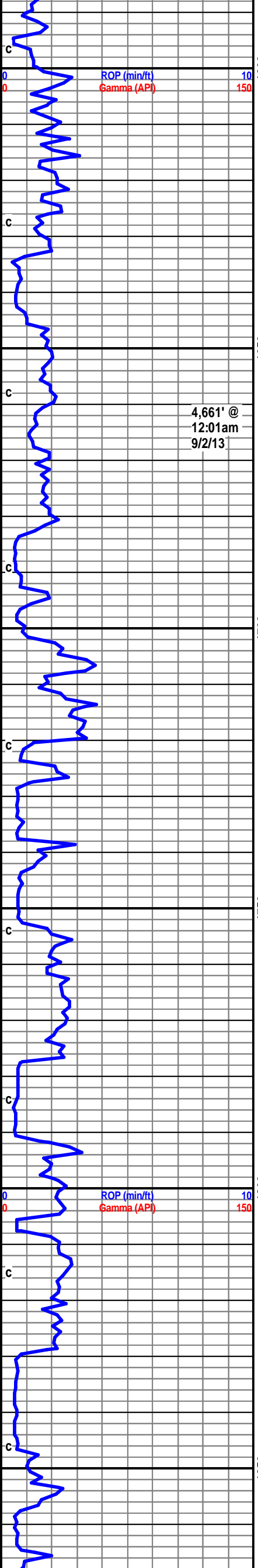
LS & SH AAB

LS & SH AAB

LS-OFF WHT-BUFF-CRM FRM- MOD
 HD BRTTLCHKY- S/CHKY PRED
 MICRO-XLN W/SM TR V/F XLN
 W/FRST QRTZ GRTH I.P. TR SLI SUC
 I.P. SLI MOTT I.P. ARG V/SLI FOSS
 W/V/SLI TR FREE PYR

SH-GY-MD GY-DK GY TR BLK SFT
 BLKY-S/BLKY-PLTY V/F-F-SMTH
 TEXT TR SLI FISS SLI CALC
 THRUOUT W/SM LS STRKS I.P.
 ABDNT LS AAB PRED TT THRUOUT
 W/SM TR-FR XLN POR I.P. ABDNT
 DULL GYSH MIN FLU





LS-BUFF-TN-LT BRN SM MD BRN-LT
 MD GY PRED FRM-HD SM DNS
 BR TTL SCRTD MOD S/CHKY I.P.
 V/SLI SUC SLI MOTT I.P. ARG-SHLY
 TR-FR POR I.P. ABDNT SH AAB FLU
 AAB

TG, C1-C5

200

LS-PRED AAB W/SM SLI INCRS IN
 XLN POR V/SLI TR P.P. POR I.P.
 ARG-SHLY V/SLI FOSS ABDNT DULL
 GYSH MIN FLU V/SLI TR V/DULL
 YELSH FLU NO VIS CUT OR STN NO
 ODOR

LS-BUFF-TN-LT BRN-LT MD GY
 FRM-HD SM MOD S/CHKY BR TTL TR
 V/SLI MOTT I.P. FRLY TT W/SM
 SCRT DTR XLN POR ABDNT DULL
 GYSH MIN FLU

4,661' @
 12:01am
 9/2/13

SH-MD GY-DK GY-BLK SFT
 BLKY-S/BLKY-PLTY SM S/SPLNTY
 V/F-F TEXT ABDNT FISS CARB
 W/SM SLI CALC SM SCRTD HD
 BR TTL LS

SH-GAS 97u.

LS-BUFF-TN-LT GY SM LT MD BRN
 FRM-HD BR TTL SM DNS SM MOD
 S/CHKY V/F-MICRO-XLN TR SLI
 MOTT FRLY TT ABDNT SH DULL MIN
 FLU

CK. & CLN.
 AGITATOR

SH-MD DK GY-DK GY-BLK SFT FISS
 CARB SM SLI CALC

SH. GAS 133u.

SH-MD GY-DK GY SM BLK SM DULL
 GRNSH GY SFT PLTY-BLKY
 V/F-F-SMTH TEXT

LS-BUFF-TN-LT BRN-LT GY PRED
 FRM-HD BR TTL SM MOD S/CHKY
 V/F-MICRO-XLN TR SLI MOTT I.P.
 ARG W/SM SCRTD PLTY-BLK SH TR
 POR W/ABDNT DULL MIN FLU

SH-MD GY-DK GY-BLK SM MD DULL
 GRNSH GY SFT PLTY- BLKY-S/BLKY
 V/F-F-SMTH TEXT SM SLI FISS

LS-W/SH AAB

TG, C1-C5

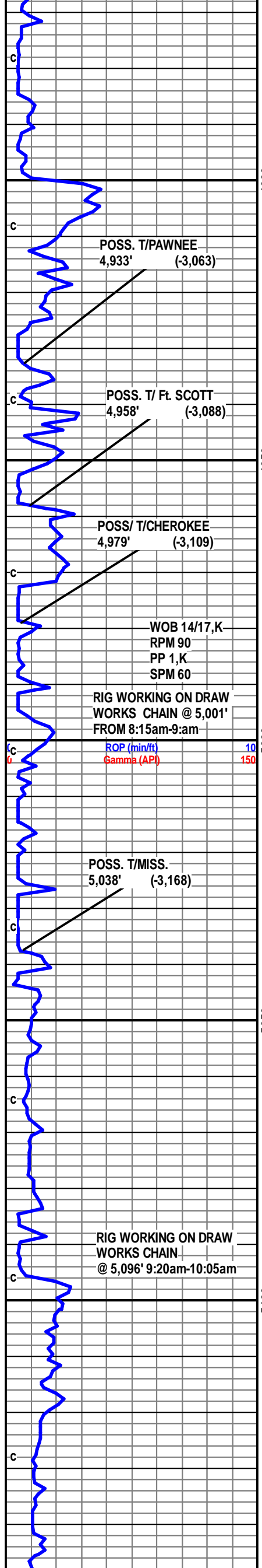
200

LS-BUFF-CRM-TN V/F-MICRO -XLN
 PRED FRM-HD MOD S/CHKY
 THRUOUT W/ABDNT HD BR TTL ARG
 TR-FR POR I.P. ABDNT DULL MIN
 FLU

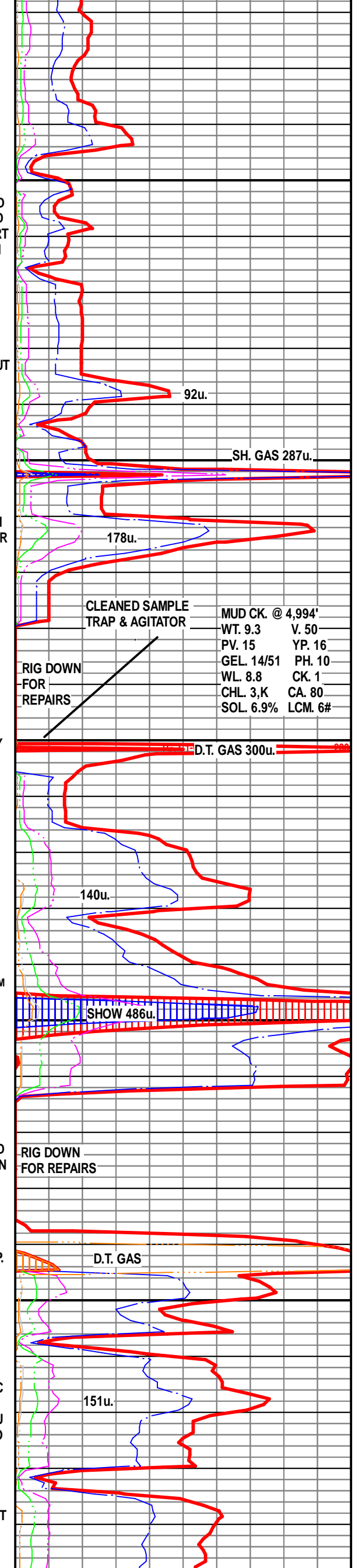
SH-MD DK GY-DK GY-BLK SFT
 PLTY-BLKY V/F-F-SMTH TEXT
 ABDNT SLI FISS SM SLI CALC
 W/SCRTD LS THRUOUT

LS-AAB

SH-AAB W/SCRTD LS THRUOUT



AAB
 SH & LS AAB
 LS-BUFF-CRM-TN SM LT MD GY-LT
 BRN PRED FRM-HD BRTTL SM MOD
 S/CHKY-DNS V/F-MICRO-XLN PRED
 TT W/SLI TR OPQ-FRSTY BRN CHRT
 ARG-SHLY ABDNT DULL GYSH MIN
 FLU
 SH-MD GY-MD DK GY-DK GY SM
 BLK SCRTRD GRNSH GY SFT
 PLTY-BLKY V/F-F-SMTH TEXT SM
 FISS W/ABDNT LS SCRTRD THRUOUT
 SH & LS AAB
 LS-OFF WHT-BUFF-CRM SM TN- LT
 BRN-LT MD GY V/F-MICRO -XLN SM
 MOD S/CHKY I.P. W/TR-FR XLN POR
 I.P. TR SLI MOTT I.P. ARG DULL
 GYSH MIN FLU
 SH-MD GY-DK GY SFT PLTY-BLKY
 CALC-LMY
 LS-PRED AAB W/SCRTRD TR V/SLI
 REWRKD I.P. SLI TR P.P. POR I.P.
 PRED TT TR-FR POR I.P. ARG-SHLY
 V/SLI FOSSDULL GYSH MIN FLU
 SH-MD GY-DK GY SM BLK SFT
 PLTY-BLKY SM S/BLKY- S/SPLNTY
 V/F-F-SMTH TEXT SM FISS
 CALC-SLI LMY SLI TR FREE PYR
 LS-OFF WHT-BUFF-CRM SM TN-LT GY
 VR-MICRO-XLN MOD S/CHKY-HD BRTTL SM
 DOL'IC SLI FOSS W/TR FREE PYR
 DOLO-TN-LT GY-CRM SUC SM FR P.P. VUG
 POR SUC SM SLI LMY SLI REWRKD FOSS
 ABDNT DULL MIN FLU SM SCRTRD YEL-YEL
 GLD FLU W/SLOW-MOD FST STRM CUT
 V/FAINT ODOR IN BAG NO VIS STN
 LS-AAB W/SM SCRTRD DOLO AAB
 ARG-SHLY SLI FOSS W/SM SCRTRD
 FLU W/SLOW CUT AAR NO VIS STN
 V/FAINT ODOR IN BAG
 DOLO-BUFF-TN-LT GY FRM
 V/F-MICRO-XLN SUC SCRTRD TR P.P.
 VUG POR W/ABDNT LS AAB
 ARG-SHLY DECRS IN YEL FLU SLI
 TR DULL GLD FLU W/W/SLOW LT
 MLKY CUT NO VIS STN NO ODOR
 LS-OFF WHT-BUFF-CRM SM TN-LT
 GY-LT BRN FRM-MOD S/CHKY SM
 BRTTL MICRO-XLN W/SM SLI DO'IC
 ARG W/SM TR OPQ-LT GY CHRT
 SCRTRD DOLO AAB SLI TR GLD FLU
 IN DOLO W/W/SLOW MLKY CUT NO
 VIS STN NO ODOR
 LS-CRM-TN-LT MD GY PRED
 FRM-MOD S/CHKY BRTTL THRUOUT
 SM DN PRED MICRO-XLN SM SLI
 DOL'IC W/SM LT GY-TN SUC DOLO
 SCRTRD GLAUC SPKS I.P. TR SLI



POSS. T/PAWNEE
4,933' (-3,063)

POSS. T/ Ft. SCOTT
4,958' (-3,088)

POSS. T/CHEROKEE
4,979' (-3,109)

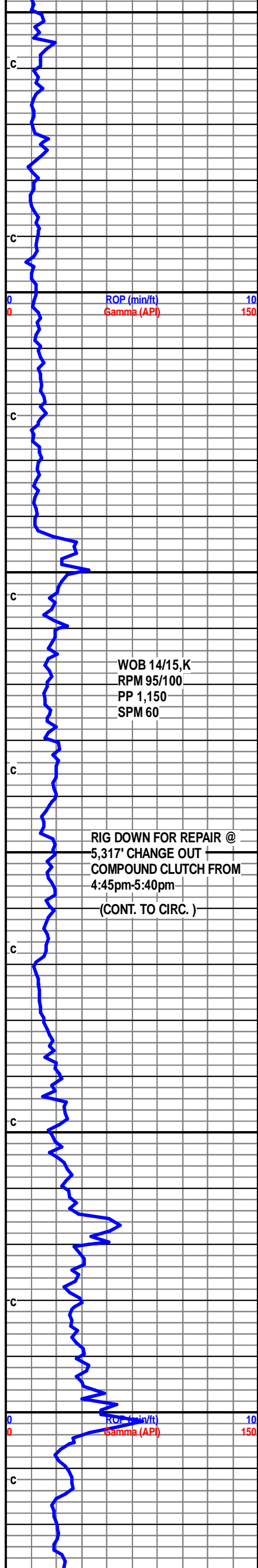
WOB 14/17,K
RPM 90
PP 1,K
SPM 60

RIG WORKING ON DRAW
WORKS CHAIN @ 5,001'
FROM 8:15am-9:am

ROP (min/ft)
Gamma (API)

POSS. T/MISS.
5,038' (-3,168)

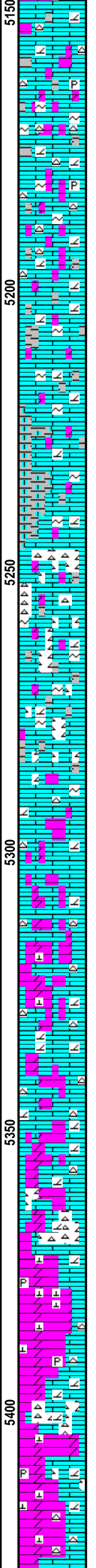
RIG WORKING ON DRAW
WORKS CHAIN
@ 5,096' 9:20am-10:05am



ROP (min/ft)
Gamma (API)

WOB 14/15,K
RPM 95/100
PP 1,150
SPM 60

RIG DOWN FOR REPAIR @
5,317' CHANGE OUT
COMPOUND CLUTCH FROM
4:45pm-5:40pm
(CONT. TO CIRC.)



RERKD ARG W/ABDNT
MLK-OPQ-FRSTY LT GY CHRT SM
MULTI COLRD SH THRUOUT PRED
DULL GYSH MIN FLU SM TR DULL
YEL FLU SCRTRD THRUOUT
NO-V/SLOW LT MLKY CUT I.P. NO
VIS STN NO ODOR

LS-AAB SLI DOL'IC CHRTRY SHLY SM
GLAUC TR FREE PYR W/SCRTRD
DOLO AAB SIG DECRS IN YEL FLU
CONT. ABDNT DULL GYSH MIN FLU

LS-W/SCRTRD DOLO AAB SIG INCRS
IN LT MD GY LS TT THRUOUT SM
GLAUC & SH PRED TT SLI TR XLN
POR I.P. FLU AAB NO VIS CUT OR
STN NO ODOR

SH-DULL RDSH-YELSH-GY-DK GY
TR BLK SM GRN-PRPL (MULTI
COLRD) LMY INCLUS & STRKS
W/ABDNT LS AAB SIG DECRS IN
DOLO DULL MIN FLU AAB NO CUT
STN OR ODOR

LS-LT MD GY-TN TR LT BRN HD
BRTTL W/SM BUFF-CRM MOD
FRM-MOD S/CHKY ARG SM SH
INCLUS SCRTRD TR DOLO W/ABDNT
MLKY WHT-OPQ- FRSTY LT GY
CHRT PRED TT THRUOUT SLI TR
XLN POR I.P. DULL GYSH MIN FLU
NOVIS STN OR ODOR

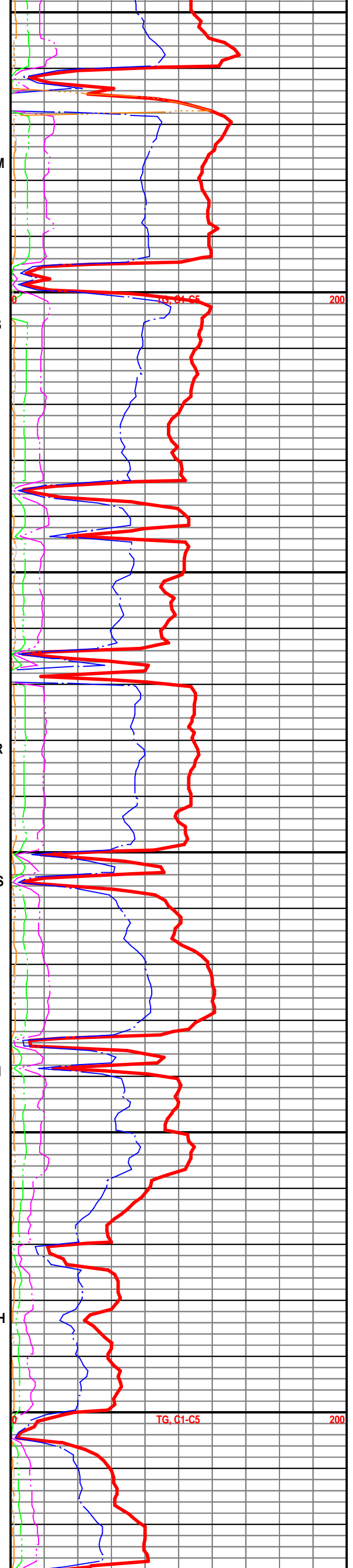
LS-AAB SM MOD DECRS IN CHRT
SLI DOL'IC I.P. SM FREE DOLO POR
& FLU AAB NO VIS STN OR ODOR

LS-BUFF-TN-LT GY FRM-HD BRTTL
MICRO-XLN SM SLI DOL'IC W/INCRS
IN GY-LT MD GY-TN SUC DOLO
PRED TT THRUOUT W/SM TR-FR
XLN POR I.P. SLI TR POSS FRAC
POR I.P. W/SM SCRTRD MLKY LT GY
CHRT DULL GYSH MIN FLU NO VIS
STN NO ODOR

LS-AAB SM INCRS IN DOL'IC LM SM
DOLO AAB POR & FLU AAB

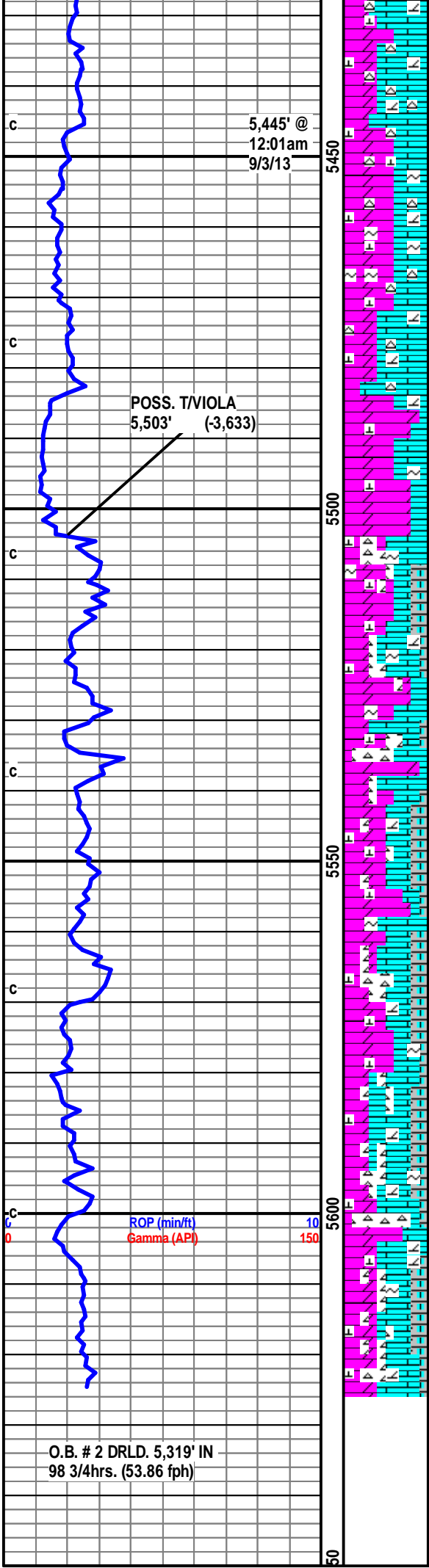
DOLO-PRED GY-LT MD GY SM
TN-CRM V/F-MICRO-XLN SUC
THRUOUT SM SCRTRD TR V/SLI
RERKD I.P. V/SLI T P.P. POR I.P. TR
POSS FRAC POR MOD CALC-SLI
LMY W/ABDNT BUFF-CRM LS
FRM-HD BRTTL THRUOUT ABDNT
MLKY LT GY-OPQ CHRT DULL GYSH
MIN FLU NO VIS STN NO ODOR

DOLO-AAB W/SM LS & CHRT AAB
SLI TR PYR SPKS I.P. POR & FLU
AAB NO VIS STN NO ODOR



TG, C1-C5

TG, C1-C5



DOLO-LT GY-GY-LT MD GY SM
 TN-BUFF SUC THRUOUT SM
 CALC-SLI LMY PRED TT MICRO-XLN
 SLI TR V/F-XLN THRUOUT SM TR F
 QRTZ GRTH I.P. TR P.P. POR I.P.
 W/ABDNT BUFF-CRM-MD TN HD
 BRTTL MICRO-XLN LS SLI DO'IC SM
 OPQ LT GY-FRSTY GY CHRT TT
 THRUOUT W/SCR TD TR-FR POR I.P.
 DULL GYSH MIN FLU NO VIS STN
 NO ODOR

DOLO & LS AAB SM SCR TD GLAUC
 SPKS POR & FLU AAB NO VIS STN
 NO ODOR

DOLO & LS AB

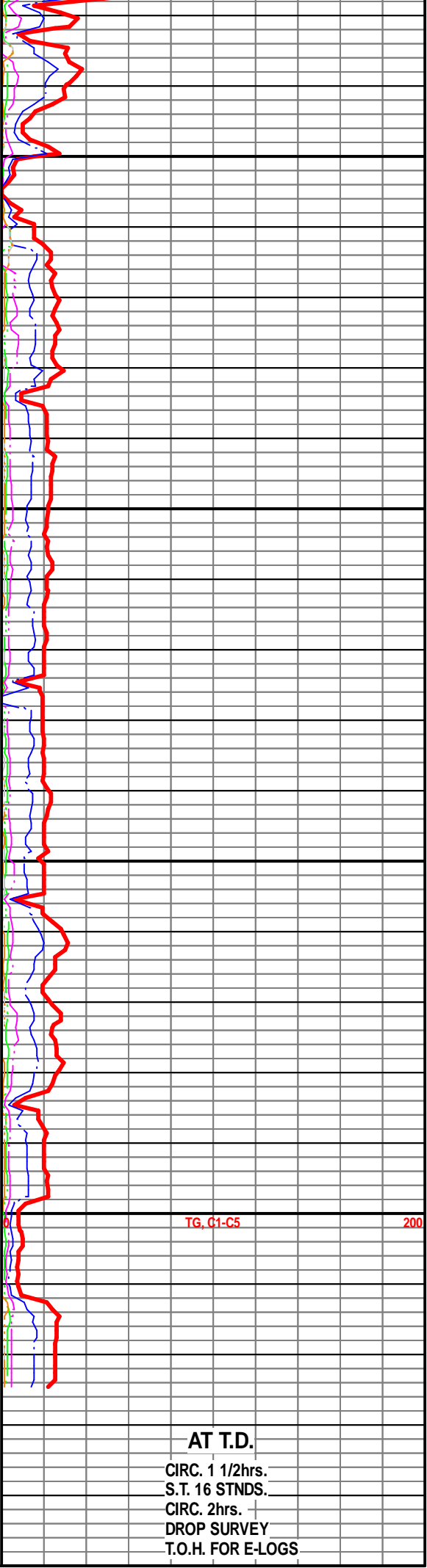
DOLO-MD GY-MD DK GY FRM-HD
 BRTTL SM DNS SLI SUC THRUOUT
 TT MICRO XLN W/SM BUFF-CRM
 MICRO-XLN LS SM SCR TD CALC
 GRNSH GY SH DULL GYSH MIN FLU
 NO VIS STN NO ODOR

DOLO, LS & SH AAB SM MLKY
 WHT-LT GY CHRT SLI TR GLAUC
 SPKS I.P. TT THRUOUT DULL MIN
 FLU AAB NO STN NO ODOR

DOL & LS AAB SM CALC SH SCR TD
 THRUOUT CHRT AAB TT FLU AAB
 NO VIS STN NO ODOR

CIRC. SAMPLES : DOLO & LS AAB
 TT DULL GYSH MIN FLU NO VIS STN
 NO ODOR

RIG T.D. @ 5,625' @ 6:11am 9/3/13



O.B. # 2 DRLD. 5,319' IN
 98 3/4hrs. (53.86 fph)

AT T.D.
 CIRC. 1 1/2hrs.
 S.T. 16 STNDS.
 CIRC. 2hrs.
 DROP SURVEY
 T.O.H. FOR E-LOGS