KOLAR Document ID: 1382592

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 35386
Name: Destiny Petroleum LLC
Address 1: 1 DESTINY COVE
Address 2:
City: THE WOODLANDS State: TX Zip: 77381 + ____
Contact Person: Emad Elrafie
Phone: (281) 362-2833
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Reid McCarty
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☑ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

9/1/2017 Spud Date or Recompletion Date
9/20/2017 Date Reached TD
11/1/2017 Completion Date or Recompletion Date

API No.: 15-191-22793-01-00
Spot Description:
SW - NE - NE - NW Sec. 8 Twp. 35 S. R. 4 ☐ East ☑ West
350 Feet from ☑ North / ☐ South Line of Section
2301 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Sumner
Lease Name: LOUISE 3504 SL Well #: 2-8H
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 1217 Kelly Bushing: 1232
Total Vertical Depth: 4794 Plug Back Total Depth: 7800
Amount of Surface Pipe Set and Cemented at: 275 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: 2100 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated
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: 01/31/2018
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 01/31/2018

Operator Name: Destiny Petroleum LLC Lease Name: LOUISE 3504 SL Well #: 2-8H

Sec. 8 Twp. 35 S. R. 4 ☐ East ☑ West County: Sumner

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:

Image Log
MWD-GR

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Stalnaker	3457	-2225
Mississippi	4797	-3374

CASING RECORD ☑ New ☐ 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
Surface	12.25	9.625	36	274	Premium Plus Class C	160	2% Calcium Chloride - 1/4 pps Celloflake
Intermediate	8.75	7.00	26	4877	Premium-50:50 Poz Premium	265	2% Gyp-2% C-4501/4 pps Cello Flake-1/

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection: 11/1/2017

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1	158	87		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☑ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
4877	7800

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Destiny Petroleum LLC
Well Name	LOUISE 3504 SL 2-8H
Doc ID	1382592

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	9.625	36	274	Premium Plus Class C	160	2% Calcium Chloride - 1/4 pps Celloflake
Intermediate	8.75	7.00	26	4877	Premium-50:50 Poz Premium	265	2% Gyp-2% C-4501/4 pps Cello Flake-1/4 pps FiberX

SERVICE ORDER CONTRACT

Customer Name Destiny Petroleum Ticket Number SOK 6307

Lease & Well Number Louise 3504 SL 2-8H Date 9/1/2017

As consideration, The Above Named customer Agrees:
O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: Jeremiah Horn II

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 6307	09/01/17

COUNTY	State	COMPANY	CUSTOMER REP
Sumner	Kansas	Destiny Petroleum	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Louise 3504 SL	2-8H	Surface	Daniel Wells

EMP NAME

Daniel Wells							
Frank Fleites							
Hilario Monteal							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 275

	Called Out	On Location	Job Started	Job Completed
Date	9/1/2017	9/1/2017	9/1/2017	9/1/2017
Time	1000	1400	1500	1600

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	1	IR
Insert Float Val	1	IR
Centralizers	3	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	1	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		36#	9 5/8"	Surface	275	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12¼"	Surface	275	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	resh Wate	BBL. 20		8.33
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
9/1	2.0
Total	2.0

Operating Hours

Date	Hours
9/1	1.0
Total	1.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 100

Average Rates in BPM

MAX 6 BPM AVG 3

Cement Left in Pipe

Feet 41.16' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	160	Premium Plus (Class C)	2% Calcium Chloride - ¼ pps Celloflake	6.33	1.34	14.80

Summary

Preflush		Type:		Preflush:	BBl	20.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	13	Calc.Disp Bbl 18
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 18.00
Average		Bump Plug PSI:	600	Final Circ.	PSI:	100	Disp:Bbl 18.00
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBl	38.0	
				Total Volume	BBl	76.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

O-Tex / Equipment and Personnel Report

Project Number	Job Date
SOK 6307	9/1/2017

O-Tex Location	Customer	State	County
Fairview, OK	Destiny Petroleum	Kansas	Sumner

Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative	Phone
Louise 3504 S	2-8H			

Job Type	Man Hours
Surface	2

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

EQUIP/PERSONEL	TIME	RATE	PRESS	JOB PROCEDURES
SUPERVISOR(S)	1400			Arrived On Location and Spotted Trucks
Daniel Wells	1430			Rigged Up Iron and Hoses
	1500			Conducted Meeting with Rig, CO-Man,and Otex
	1502			Rigged up Head and Iron Loops
PUMP OPERATOR(S)	1504	2.50	40	Pump 2 Ahead to Fill Lines
Frank Fleites	1505		1000	Pressure Test Pumps and Lines 1000psi
	1507	2.50	40	Pump 20bbls of Fresh Water Ahead for Spacer
	1515	3.50	85	Pump 38.1bbls of Cement @ 14.8ppg
BULK OPERATOR(S)	1526			Shutdown Drop Plug
Hilario Monteal	1528	4.00	78	Displace 18bbls of Fresh Water
	1531	2.50	100	Slow to 2.5bpm
	1540		600	Bumped Plug @ 18bbls Gone
	1545			Release Pressure Check Floats (Held)
	1600			Wash Up Pump and Rig Down Head Iron and Hoses
	1700			Leave Location

JOB CALCULATIONS

20bbls of Fresh Water Spacer
38.1bbls of Cement @ 14.8ppg
18bbls of Displacement

Pressure to Land 100psi
100bbls+ of Water Needed

CASING DATA

9 5/8" 36#
TP 275'
SJ 41.16'
TD 275'
13bbls of Cement to Surface

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

Arrive On Location with Rig Waiting on Us Spotted in and Rigged Up
Conducted Meeting with all personnel on job procedure
Job Went according to Procedure and Co-Man was pleased with performance.

SERVICE COMPANY:	O-Tex Pumping	DATE RECORDED:	09/01/2017
TICKET NO:	SOK# 6307	JOB NO:	API# 15-191-22793-01-00
CUSTOMER NAME:	Destiny	UNIT DESCRIPTION:	New Serva
WELL NAME:	Louise 3504 SL 28H	UNIT NOTES:	9 5/8" Surface
WELL LOCATION:	8/35S/4W	FILE NAME:	Destiny_Louise 3504 SL 28H_17_09_01_#1.csv

O-Tex Pumping, LLC

O-Tex Pumping, LLC

Job Site Saftey Meeting Attendance Sheet

Date: 9/1/2017

Job Site Leader: Daniel Wells

Max Pressure: 1,500 PSI PSI

Company - Lease - Well #: Destiny Petroleum / Louise 3504 SL 2-8H

Ticket #: SOK 6307

	Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
1	Daniel Wells		530138		Pick-Up	Fairview,OK	O-Tex
2	Frank Fleites		880164	980033	New Serva	Fairview,OK	O-Tex
3	Hilario Monteal		746040	920058	Bulk	Fairview,OK	O-Tex
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Job Site Saftey Leader: Daniel Wells

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immeadiately.

Job Data Sheet

O-Tex Pumping, LLC

COMPANY	PROJECT NUMBER	AFE/WORK ORDER	DATE
Destiny Petroleum	SOK 6307	0	9/1/2017

CONTRACTOR	Owner	LEGAL DESCRIPTION	API
WW Drilling #2	Same	8/35S/4W	15-191-22793-01-00

LEASE & WELL #	COUNTY	STATE	MILEAGE
Louise 3504 SL 2-8H	Sumner	Kansas	120

DIRECTIONS

CALDWELL KS - WEST ON 1ST ST TO SPRINGDALE RD - 0.5 MIES SOUTH - FOLLOW COUNTRY RD WEST & SOUTH TO COUNTY RD - 1 MILE NORTH - 0.5 MILES WEST - SOUTH INTO

Pumping Services

( ) H2S

Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
9 5/8"	36#	LTC			YES	YES	YES	NO	100%

Number and Type Units	Casing Depth	Hole Depth	Hole Size
Pump Truck & Bulk Materials	275'	275'	12¼"

Remarks	Est. BHST	Tubing Depth	Depth-TVD	Mud Weight/Type
	80°			

Materials

LEAD 38.18	# of Sacks: 160	Type: Premium Plus (Class C)		Additives: 2% Calcium Chloride - ¼ pps Celloflake
H2O TO MIX 24.11	Weight PPG: 14.80	Yield Ft3/Sk: 1.34	Water Gal/Sk: 6.33	
TAIL 0.00	# of Sacks	Type		Additives
H2O TO MIX 0.00	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
TOP OUT	# of Sacks	Type		Additives
H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	ACID	Type		Additives
	Inhibitor	Surfactant	clay cont.	TAKE 50 # Sugar - 3 RADIOS
Spacer or Flush	Quantity: 20 BBL	Type: Fresh Water		Additives
Spacer or Flush	Quantity	Type		Additives
Other	Quantity	Type		Additives

Crew Called

Cementer	Pumper	Bulky	Bulky	Bulky
Daniel Wells	Frank Fleites	Hilario Monteal		

CEOL

Swedge	Bale rack	Single Wing	Double Wing	Other
9 5/8" LTC	1	1	1	

Sales Items

Casing Size	Casing Weight	Thread	
9 5/8"	36#	LTC	
Guide Shoe: 1 - Cement Filled	Float Shoe	Float Collar	Insert Float Valve: 1 - AFU
Centralizers - Number: 3	Size: 12¼" x 9 5/8"	Type: BOW	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps: 1	Thread lock: 2	Other	

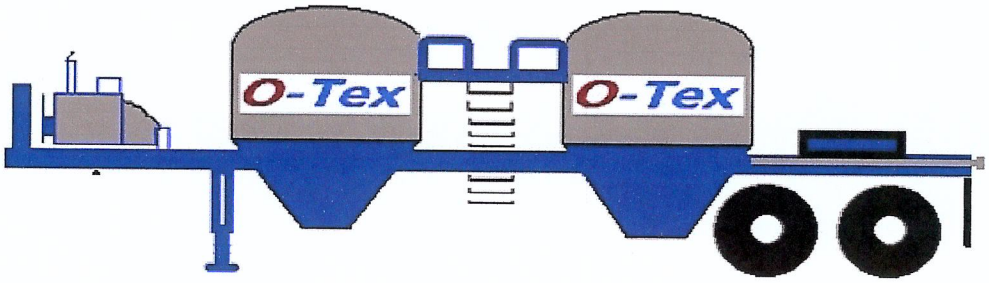
Remarks

Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call
0	0			

Call Taken By	Date Ready	Location Time
Larry Kirchner	9/1/17	1:00PM

Crew Called	Yard Time
Daniel Wells	9/1/2017 10:00AM

O-Tex
Pumping, LLC



Trailer Number: 746040/920058

Driver Name:

Front Pot

Cement: Lead

160 sks

CEMENT ADDITIVES

Class C
2% CC
.25# Celloflake

Rear Pot

Cement: Empty

sks

CEMENT ADDITIVES

COMPANY: Destiny

LEASE: Louis 3504 SL 2-8H

DATE: 9/1/2017

TICKET: SOK#6307

SERVICE ORDER CONTRACT

Customer Name Destiny Petroleum Ticket Number SOK 6315

Lease & Well Number Louise 3504 SL 2-8H Date 9/9/2017

As consideration, The Above Named customer Agrees:
O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

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Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: JAIME V. PRIETO

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 6315	09/09/17

COUNTY	State	COMPANY	CUSTOMER REP
Sumner	Kansas	Destiny Petroleum	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Louise 3504 SL	2-8H	Intermediate	Kyle Laskowitz

EMP NAME

Kyle Laskowitz		0					
0.00							
David C							
Kendrick							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 131 Pressure _____

Retainer Depth _____ Total Depth 4862

	Called Out	On Location	Job Started	Job Completed
Date	9/9/2017	9/9/2017	9/9/2017	9/9/2017
Time	7:30	10:30	15:30	17:30

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26.0	7		Surface	4,862	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4		Surface	0	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	Mudwash	BBL.	25		8.40
Spacer type		BBL.			
Acid Type		Gal.		%	
Acid Type		Gal.		%	
Surfactant		Gal.		In	
NE Agent		Gal.		In	
Fluid Loss		Gal/Lb		In	
Gelling Agent		Gal/Lb		In	
Fric. Red.		Gal/Lb		In	
MISC.		Gal/Lb		In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
9/9	7.0
Total	7.0

Operating Hours

Date	Hours
9/9	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 180

Average Rates in BPM

MAX 8 BPM AVG 4.5

Cement Left in Pipe

Feet 42 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	190	Premium	2% Gypsum - 2% C-45 - 1/4pps Cello Flake - 1/4pps Fiber-X	17.84	2.89	11.40
2	75	50:50 Poz Premium	4% Gel - 0.3% FL-4 - 1/4pps Cello Flake - 1/4pps Fiber-X	6.48	1.38	13.80
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Water
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 185
		Actual TOC	622'	Calc. TOC:		622'	Actual Disp. 185.00
Average		Bump Plug PSI:	1,410	Final Circ.	PSI:	780	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry	BBl	116.2	
				Total Volume	BBl	311.22	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

O-Tex / Equipment and Personnel Report

Project Number	Job Date
SOK 6315	9/9/2017

O-Tex Location	Customer	State	County
Fairview, OK	Destiny Petroleum	Oklahoma	Sumner

Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative	Phone
Louise 3504 S	2-8H	Kyle Laskowitz	0	0

Job Type	Man Hours

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

EQUIP/PERSONEL	TIME	RATE	PRESS	JOB PROCEDURES
SUPERVISOR(S)	10:30			Arrived on location
Kyle Laskowitz	10:40			Wait on rig to run casing
	14:25			Safety meeting
	14:30			Rig up
PUMP OPERATOR(S)	15:29		5000	Pressure Test
	15:30	3.50	300	Pump H20 spacer
	15:35	4.00	315	Pump lead cement @ 11.4
	15:43	4.00	240	bbls pumped of lead cement/cement weighed on scale
BULK OPERATOR(S)	15:51	4.00	80	bbls pumped of lead cement
David C	15:57	3.50	25	Pump tail cement @ 13.8/cement weighed on scale
Kendrick	16:05			Shut down and drop plug
	16:06	3.00	60	Start displacement
	16:08	7.00	120	10 BBls gone of displacement
	16:14	7.00	130	50 BBls gone of displacement
	16:20	7.00	275	90 BBls gone of displacement
	16:24	6.00	580	115 BBls gone of displacement
	16:28	6.00	810	140 BBls gone of displacement
	16:31	4.50	727	160 BBls gone of displacement
	16:34	3.00	780	175 bbls gone Slow down to land plug
	16:37	3.00	1410	Land plug
	16:40			Check floats
	16:45			Rig down
	17:30			Head to the yard

JOB CALCULATIONS

Height of lead 3,652.2 ft
Height of tail 628.9 ft

CASING DATA

4881.69 ft of casing 7" 26#
41.74 ft shoe track
Displacement = 185.3

ANNULAR DATA

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

Job Data Sheet

O-Tex Pumping, LLC

COMPANY	PROJECT NUMBER	AFE/WORK ORDER	DATE
Destiny Petroleum	SOK 6315	0	9/9/2017

CONTRACTOR	Owner	LEGAL DESCRIPTION	API
WW #2	Same	8-35N-4W	15-191-22793-01-00

LEASE & WELL #	COUNTY	STATE	MILEAGE
Louise 3504 SL 2-8H	Sumner	Kansas	120

DIRECTIONS

Caldwell KS 81&49N Turn West On G Avenue - Fallow Road into W. 160th Street - 8 Miles West to Argonia RD. - Turn South On Argonia for 2 Miles to 180th & follow to Ria

Pumping Services

☑ Surface ☐ Intermediate ☐ Long String ☐ Plug Back

☐ Squeeze ☐ Acid ☐ PTA ☐ Other ( ) H2S

Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
7	26.00	LTC			YES	YES	YES	NO	134% - 20

Number and Type Units	Casing Depth	Hole Depth	Hole Size
Pump Truck & Bulk Materials	4,862		8 3/4

Remarks	Est. BHST	KOP	Depth-TVD	Mud Weight/Type
	131		4658	

Materials

LEAD	# of Sacks	Type		Additives
97.79	190	Premium		2% Gypsum - 2% C-45 - 1/4pps Cello Flake - 1/4pps Fiber-X
H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
80.70	11.40	2.89	17.84	

TAIL	# of Sacks	Type		Additives
18.43	75	50:50 Poz Premium		4% Gel - 0.3% FL-4 - 1/4pps Cello Flake - 1/4pps Fiber-X
H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
11.57	13.80	1.38	6.48	

	# of Sacks	Type		Additives
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	

	ACID	Type	Additives
	Inhibitor	Surfactant	clay cont.

Spacer or Flush	Quantity	Type	Additives
Displace	Quantity	Type	Additives
Other	Quantity	Type	Additives

Crew Called

Cementer	Pumper	Bulky	Bulky	Bulky
Kyle Laskowitz		David C	Kendrick	

CEOL

Swedge	Bale rack	Single Wing	Double Wing	Other
7"	1	1	1	

Sales Items

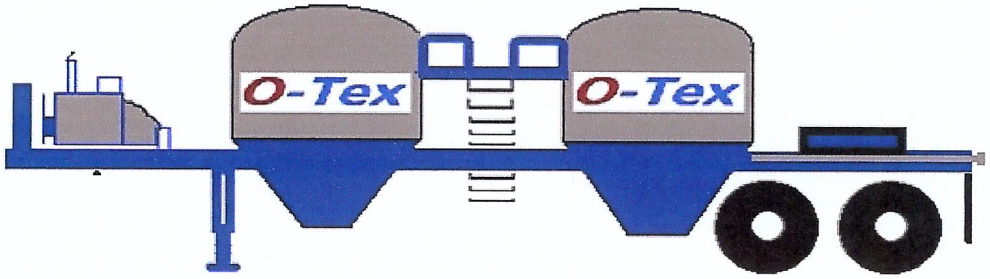
Casing Size	Casing Weight	Thread	
Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
Centralizers - Number	Size	Type	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps	Thread lock	Other	
Remarks			

Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call
0	0			

Call Taken By	Date Ready	Location Time
Charles Spracklen	9/9/17	9/9/2017 10:30

Crew Called	Yard Time
Kyle Laskowitz	9/9/17 7:30

O-Tex Pumping, LLC



Trailer Number: 880046/920059

Driver Name: _____

Front Pot

Cement: Lead

190 sks

CEMENT ADDITIVES

Class H
2% Gypsum
2% C-45
1/4# CelloFlake
1/8# Fiber-X

Rear Pot

Cement: Tail

75 sks

CEMENT ADDITIVES

50/50 Class H/Poz
4% Gel
.3% FL-40
1/4# CelloFlake
1/8# Fiber-X

COMPANY: Destiny

DATE: 9/7/2017

LEASE: Louise 3504 SL 2-8H

TICKET: SOK#6315

Operator:	Destiny Petroleum
Location:	Sumner Co, Kansas (NAD 83)
Well Name:	Louise 3504 SL 2-8H
Skyline Job #:	17048

WELLBORE: Lateral #1

PLAN: Design #3

GEODETIC SYSTEM: US State Plane 1983
DATUM: North American Datum 1983
ELLIPSOID: GRS 1980
ZONE: Kansas Southern Zone
SYSTEM DATUM: Mean Sea Level

SURFACE HOLE COORDINATES

LATITUDE: 37° 1' 23.043 N
LONGITUDE: 97° 46' 32.476 W
NORTHING (Y): 1442931.00
EASTING (X): 1523802.00

GROUND LEVEL: 1217.0
RIG FLOOR(KB):
WELL @ 1226.0usft (Original Well Elev)

MAGNETIC FIELD:

STRENGTH: 51182
DIP ANGLE: 65.01°
MODEL: IGRF2015
DATE: 31-Jul-17
AZIMUTHS CORRECTED TO: Grid

MWD - USE IF ABOVE IS GRID
Magnetic North is 3.48° East of Grid North (Magnetic Convergence)

MWD - USE IF ABOVE IS TRUE
Magnetic North is 3.92° East of True North (Magnetic Declination)

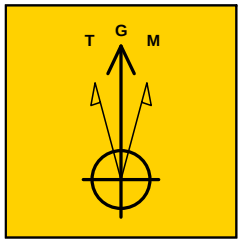
PLAN SECTION DETAILS

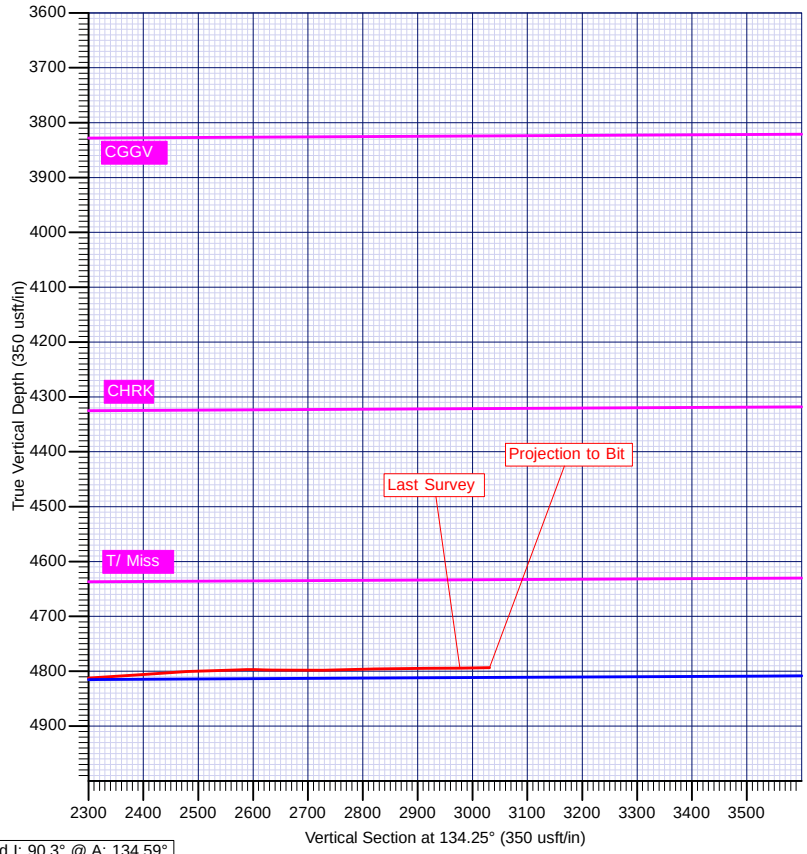
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	3773.4	0.00	0.00	3773.4	0.0	0.0	0.00	0.00	0.0		KOP: Build 8°/100'
3	4280.3	40.55	220.95	4239.0	-129.9	-112.7	8.00	220.95	9.9		Hold 40.55° Tangent
4	4480.3	40.55	220.95	4391.0	-228.1	-197.9	0.00	0.00	17.4		Build & Turn 9.62°/100'
5	5393.7	90.30	134.59	4824.0	-912.7	-33.8	9.62	-87.04	612.6		EOC: Hold I: 90.3° @ A: 134.59°
6	8861.9	90.30	134.59	4806.0	-3347.6	2435.9	0.00	0.00	4080.8		TD at 8861.9' MD

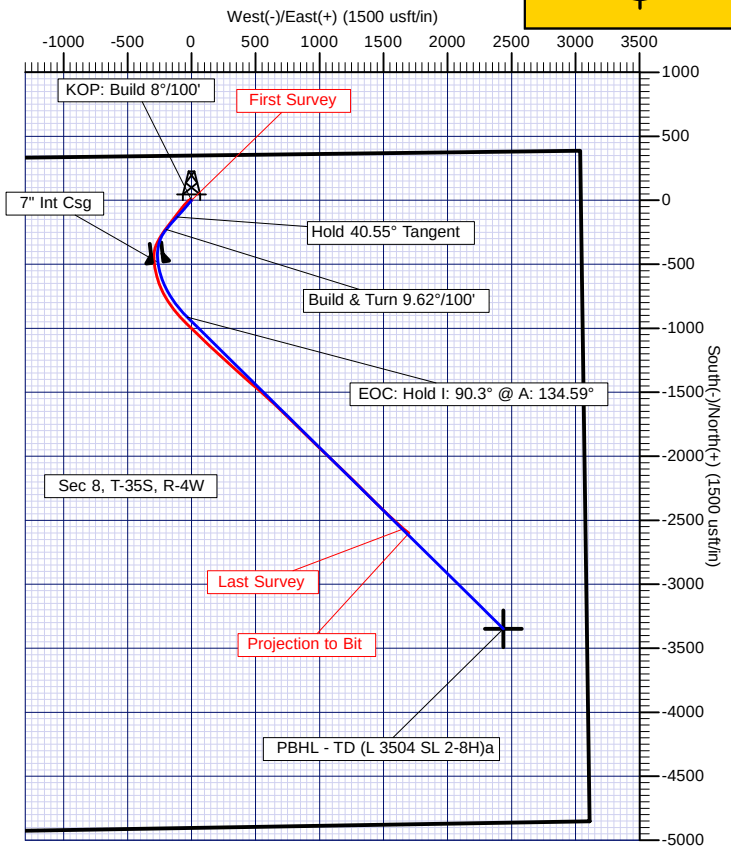
TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - TD (L 3504 SL 2-8H)a	4806.0	-3347.6	2435.9	1439583.40	1526237.90	37° 0' 49.758 N	97° 46' 2.765 W	Point

SKYLINE DIRECTIONAL







Skyline Directional Drilling

Survey Report

Company:	Destiny Petroleum	**Local Co-ordinate Reference:**	Site Louise 3504 SL 2-8H
Project:	Sumner Co, Kansas (NAD 83)	**TVD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Site:	Louise 3504 SL 2-8H	**MD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Well:	Louise 3504 SL 2-8H	**North Reference:**	Grid
Wellbore:	Lateral #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral #1	**Database:**	EDM 5000.1 Single User Db

Project Sumner Co, Kansas (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		

Site Louise 3504 SL 2-8H

Site Position:		**Northing:**	1,442,931.00 usft	**Latitude:**	37° 1' 23.043 N
From:	Map	**Easting:**	1,523,802.00 usft	**Longitude:**	97° 46' 32.476 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.45 °

Well Louise 3504 SL 2-8H

Well Position	**+N/-S**	0.0 usft	**Northing:**	1,442,931.00 usft	**Latitude:**	37° 1' 23.043 N
	+E/-W	0.0 usft	**Easting:**	1,523,802.00 usft	**Longitude:**	97° 46' 32.476 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	1,217.0 usft

Wellbore Lateral #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/31/2017	3.92	65.01	51,182

Design Lateral #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	134.25

Survey Program **Date** 9/20/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
310.0	7,800.0	Survey #1 (Lateral #1)	MWD	MWD - Skyline

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
310.0	0.40	84.30	310.0	0.1	1.1	0.7	0.13	0.13	0.00
First Survey									
404.0	0.20	145.50	404.0	0.0	1.5	1.1	0.37	-0.21	65.11
499.0	0.10	124.40	499.0	-0.2	1.7	1.3	0.12	-0.11	-22.21
594.0	0.30	49.20	594.0	-0.1	1.9	1.4	0.31	0.21	-79.16
690.0	0.30	77.90	690.0	0.2	2.4	1.6	0.15	0.00	29.90
784.0	0.00	19.60	784.0	0.2	2.6	1.7	0.32	-0.32	0.00
877.0	0.30	2.60	877.0	0.4	2.6	1.6	0.32	0.32	0.00
971.0	0.10	279.10	971.0	0.7	2.5	1.3	0.32	-0.21	-88.83
1,064.0	0.10	2.20	1,064.0	0.8	2.5	1.2	0.14	0.00	89.35

Company:	Destiny Petroleum	**Local Co-ordinate Reference:**	Site Louise 3504 SL 2-8H
Project:	Sumner Co, Kansas (NAD 83)	**TVD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Site:	Louise 3504 SL 2-8H	**MD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Well:	Louise 3504 SL 2-8H	**North Reference:**	Grid
Wellbore:	Lateral #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,155.0	0.40	331.80	1,155.0	1.2	2.3	0.8	0.35	0.33	-33.41
1,247.0	0.30	13.90	1,247.0	1.7	2.2	0.4	0.29	-0.11	45.76
1,337.0	0.30	340.50	1,337.0	2.1	2.2	0.1	0.19	0.00	-37.11
1,429.0	0.40	262.70	1,429.0	2.3	1.8	-0.3	0.49	0.11	-84.57
1,520.0	0.70	285.50	1,520.0	2.4	0.9	-1.0	0.40	0.33	25.05
1,613.0	0.90	275.40	1,613.0	2.6	-0.3	-2.1	0.26	0.22	-10.86
1,706.0	0.80	281.90	1,706.0	2.8	-1.7	-3.2	0.15	-0.11	6.99
1,797.0	0.60	284.10	1,797.0	3.1	-2.8	-4.1	0.22	-0.22	2.42
1,889.0	0.50	303.20	1,889.0	3.4	-3.6	-5.0	0.23	-0.11	20.76
1,982.0	0.40	309.60	1,982.0	3.9	-4.2	-5.7	0.12	-0.11	6.88
2,077.0	0.50	309.00	2,076.9	4.3	-4.7	-6.4	0.11	0.11	-0.63
2,172.0	0.60	290.30	2,171.9	4.8	-5.5	-7.3	0.21	0.11	-19.68
2,267.0	0.70	254.10	2,266.9	4.8	-6.6	-8.0	0.44	0.11	-38.11
2,362.0	0.70	254.50	2,361.9	4.5	-7.7	-8.6	0.01	0.00	0.42
2,458.0	0.50	259.00	2,457.9	4.2	-8.7	-9.1	0.21	-0.21	4.69
2,552.0	0.60	236.70	2,551.9	3.9	-9.5	-9.5	0.25	0.11	-23.72
2,647.0	0.70	226.80	2,646.9	3.2	-10.3	-9.6	0.16	0.11	-10.42
2,741.0	0.80	212.80	2,740.9	2.3	-11.1	-9.5	0.22	0.11	-14.89
2,836.0	0.60	219.20	2,835.9	1.3	-11.8	-9.3	0.23	-0.21	6.74
2,931.0	0.70	210.80	2,930.9	0.4	-12.4	-9.2	0.15	0.11	-8.84
3,025.0	0.70	224.10	3,024.9	-0.5	-13.1	-9.0	0.17	0.00	14.15
3,120.0	0.60	233.30	3,119.9	-1.2	-13.9	-9.1	0.15	-0.11	9.68
3,214.0	0.60	268.70	3,213.9	-1.5	-14.7	-9.5	0.39	0.00	37.66
3,309.0	0.60	292.10	3,308.9	-1.3	-15.7	-10.3	0.26	0.00	24.63
3,404.0	0.50	271.90	3,403.9	-1.1	-16.6	-11.1	0.23	-0.11	-21.26
3,498.0	0.50	271.40	3,497.9	-1.1	-17.4	-11.7	0.00	0.00	-0.53
3,593.0	0.70	290.30	3,592.9	-0.9	-18.4	-12.5	0.29	0.21	19.89
3,686.0	0.70	288.10	3,685.9	-0.5	-19.4	-13.6	0.03	0.00	-2.37
3,718.0	0.70	274.70	3,717.8	-0.4	-19.8	-13.9	0.51	0.00	-41.88
3,749.0	2.20	233.90	3,748.8	-0.8	-20.5	-14.1	5.59	4.84	-131.61
3,781.0	4.60	226.90	3,780.8	-2.0	-21.9	-14.3	7.60	7.50	-21.88
3,813.0	7.60	226.20	3,812.6	-4.3	-24.4	-14.4	9.38	9.38	-2.19
3,845.0	10.80	225.80	3,844.2	-7.9	-28.1	-14.6	10.00	10.00	-1.25
3,877.0	13.50	226.60	3,875.5	-12.6	-32.9	-14.8	8.45	8.44	2.50
3,909.0	15.50	226.50	3,906.4	-18.1	-38.7	-15.1	6.25	6.25	-0.31
3,940.0	17.80	224.70	3,936.1	-24.3	-45.1	-15.3	7.60	7.42	-5.81
3,971.0	20.70	221.90	3,965.4	-31.7	-52.1	-15.2	9.81	9.35	-9.03
4,003.0	23.70	220.10	3,995.0	-40.9	-60.0	-14.5	9.61	9.38	-5.63
4,034.0	26.30	219.10	4,023.1	-51.0	-68.3	-13.4	8.50	8.39	-3.23
4,066.0	28.60	219.30	4,051.5	-62.4	-77.7	-12.1	7.19	7.19	0.63
4,098.0	30.90	219.00	4,079.3	-74.7	-87.7	-10.7	7.20	7.19	-0.94
4,129.0	32.90	218.40	4,105.6	-87.5	-97.9	-9.1	6.53	6.45	-1.94
4,160.0	34.50	218.00	4,131.4	-101.0	-108.6	-7.3	5.21	5.16	-1.29

Company:	Destiny Petroleum	**Local Co-ordinate Reference:**	Site Louise 3504 SL 2-8H
Project:	Sumner Co, Kansas (NAD 83)	**TVD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Site:	Louise 3504 SL 2-8H	**MD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Well:	Louise 3504 SL 2-8H	**North Reference:**	Grid
Wellbore:	Lateral #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,192.0	35.40	217.80	4,157.6	-115.5	-119.8	-5.3	2.84	2.81	-0.63
4,224.0	36.40	217.30	4,183.6	-130.3	-131.3	-3.1	3.26	3.13	-1.56
4,255.0	37.80	217.20	4,208.3	-145.2	-142.6	-0.8	4.52	4.52	-0.32
4,287.0	39.60	217.20	4,233.2	-161.2	-154.7	1.7	5.63	5.63	0.00
4,318.0	40.20	216.90	4,257.0	-177.0	-166.7	4.2	2.03	1.94	-0.97
4,349.0	40.40	216.70	4,280.7	-193.1	-178.7	6.8	0.77	0.65	-0.65
4,381.0	40.20	216.30	4,305.1	-209.7	-191.0	9.6	1.02	-0.63	-1.25
4,412.0	40.40	216.00	4,328.7	-225.9	-202.8	12.4	0.90	0.65	-0.97
4,444.0	40.30	215.50	4,353.1	-242.7	-214.9	15.4	1.06	-0.31	-1.56
4,476.0	40.00	215.40	4,377.6	-259.5	-226.9	18.6	0.96	-0.94	-0.31
4,508.0	40.50	213.10	4,402.0	-276.6	-238.5	22.2	4.90	1.56	-7.19
4,540.0	41.10	210.30	4,426.2	-294.4	-249.5	26.7	6.02	1.88	-8.75
4,572.0	41.10	207.00	4,450.3	-312.9	-259.6	32.4	6.78	0.00	-10.31
4,604.0	42.10	205.10	4,474.3	-332.0	-268.9	39.0	5.03	3.13	-5.94
4,635.0	43.60	202.00	4,497.0	-351.3	-277.3	46.5	8.35	4.84	-10.00
4,667.0	45.50	197.10	4,519.8	-372.4	-284.8	55.9	12.27	5.94	-15.31
4,699.0	46.90	190.80	4,542.0	-394.8	-290.4	67.5	14.86	4.38	-19.69
4,730.0	48.60	183.90	4,562.8	-417.6	-293.3	81.3	17.36	5.48	-22.26
4,762.0	50.00	178.60	4,583.7	-441.8	-293.8	97.8	13.29	4.38	-16.56
4,794.0	50.70	176.80	4,604.1	-466.4	-292.8	115.7	4.85	2.19	-5.63
4,825.0	52.60	174.00	4,623.4	-490.6	-290.8	134.0	9.37	6.13	-9.03
4,856.0	55.20	171.40	4,641.6	-515.5	-287.6	153.7	10.78	8.39	-8.39
4,888.0	57.60	169.80	4,659.3	-541.8	-283.3	175.1	8.58	7.50	-5.00
4,920.0	59.70	166.70	4,676.0	-568.5	-277.7	197.8	10.56	6.56	-9.69
4,951.0	62.50	165.10	4,691.0	-594.8	-271.1	220.9	10.10	9.03	-5.16
4,983.0	65.30	162.60	4,705.0	-622.4	-263.1	245.9	11.21	8.75	-7.81
5,015.0	66.70	160.90	4,718.1	-650.2	-253.9	271.8	6.53	4.38	-5.31
5,046.0	68.40	157.50	4,729.9	-677.0	-243.8	297.8	11.52	5.48	-10.97
5,077.0	69.60	154.50	4,741.0	-703.4	-232.0	324.7	9.83	3.87	-9.68
5,108.0	71.30	151.20	4,751.4	-729.4	-218.7	352.3	11.43	5.48	-10.65
5,139.0	73.20	149.50	4,760.8	-755.0	-204.1	380.7	8.05	6.13	-5.48
5,171.0	74.70	148.00	4,769.7	-781.3	-188.1	410.5	6.50	4.69	-4.69
5,203.0	76.00	146.50	4,777.8	-807.4	-171.4	440.6	6.09	4.06	-4.69
5,235.0	76.50	144.80	4,785.4	-833.0	-153.8	471.1	5.39	1.56	-5.31
5,266.0	78.20	142.30	4,792.2	-857.4	-135.8	500.9	9.59	5.48	-8.06
5,298.0	79.60	140.90	4,798.3	-882.0	-116.3	532.1	6.13	4.38	-4.38
5,329.0	80.70	136.90	4,803.6	-905.0	-96.3	562.5	13.20	3.55	-12.90
5,361.0	82.30	135.30	4,808.4	-927.8	-74.3	594.2	7.03	5.00	-5.00
5,392.0	82.70	134.90	4,812.4	-949.5	-52.6	624.9	1.82	1.29	-1.29
5,423.0	85.10	134.40	4,815.7	-971.2	-30.7	655.7	7.91	7.74	-1.61
5,455.0	87.70	134.20	4,817.7	-993.5	-7.8	687.6	8.15	8.13	-0.63
5,487.0	88.50	134.20	4,818.8	-1,015.8	15.1	719.6	2.50	2.50	0.00
5,519.0	89.60	134.10	4,819.3	-1,038.1	38.0	751.6	3.45	3.44	-0.31

Company:	Destiny Petroleum	**Local Co-ordinate Reference:**	Site Louise 3504 SL 2-8H
Project:	Sumner Co, Kansas (NAD 83)	**TVD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Site:	Louise 3504 SL 2-8H	**MD Reference:**	WELL @ 1226.0usft (Original Well Elev)
Well:	Louise 3504 SL 2-8H	**North Reference:**	Grid
Wellbore:	Lateral #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Lateral #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,551.0	89.50	134.10	4,819.6	-1,060.4	61.0	783.6	0.31	-0.31	0.00
5,582.0	89.40	133.80	4,819.9	-1,081.9	83.3	814.6	1.02	-0.32	-0.97
5,614.0	89.20	133.60	4,820.2	-1,104.0	106.5	846.6	0.88	-0.63	-0.63
5,646.0	90.20	133.90	4,820.4	-1,126.1	129.6	878.6	3.26	3.13	0.94
5,678.0	89.70	133.50	4,820.4	-1,148.2	152.7	910.6	2.00	-1.56	-1.25
5,709.0	88.90	133.10	4,820.8	-1,169.5	175.3	941.6	2.89	-2.58	-1.29
5,804.0	91.60	132.10	4,820.4	-1,233.8	245.2	1,036.6	3.03	2.84	-1.05
5,898.0	91.90	132.10	4,817.5	-1,296.8	314.9	1,130.4	0.32	0.32	0.00
5,992.0	90.30	132.00	4,815.7	-1,359.7	384.7	1,224.4	1.71	-1.70	-0.11
6,088.0	89.50	131.50	4,815.9	-1,423.6	456.3	1,320.3	0.98	-0.83	-0.52
6,182.0	89.20	130.70	4,817.0	-1,485.4	527.2	1,414.1	0.91	-0.32	-0.85
6,276.0	91.20	131.70	4,816.6	-1,547.3	597.9	1,508.0	2.38	2.13	1.06
6,371.0	91.10	134.30	4,814.7	-1,612.1	667.3	1,602.9	2.74	-0.11	2.74
6,465.0	90.00	133.40	4,813.8	-1,677.2	735.1	1,696.9	1.51	-1.17	-0.96
6,560.0	91.40	135.30	4,812.7	-1,743.6	803.0	1,791.9	2.48	1.47	2.00
6,658.0	89.10	133.70	4,812.2	-1,812.3	872.9	1,889.9	2.86	-2.35	-1.63
6,751.0	89.70	134.60	4,813.2	-1,877.1	939.7	1,982.9	1.16	0.65	0.97
6,845.0	89.30	134.10	4,814.0	-1,942.8	1,006.9	2,076.9	0.68	-0.43	-0.53
6,939.0	89.30	133.60	4,815.2	-2,007.9	1,074.7	2,170.9	0.53	0.00	-0.53
7,059.0	92.90	133.60	4,812.9	-2,090.6	1,161.5	2,290.8	3.00	3.00	0.00
7,154.0	94.30	133.60	4,806.9	-2,156.0	1,230.2	2,385.6	1.47	1.47	0.00
7,248.0	93.10	134.40	4,800.8	-2,221.2	1,297.7	2,479.4	1.53	-1.28	0.85
7,341.0	91.10	135.40	4,797.4	-2,286.8	1,363.5	2,572.3	2.40	-2.15	1.08
7,404.0	88.00	135.60	4,797.9	-2,331.7	1,407.6	2,635.3	4.93	-4.92	0.32
7,497.0	91.50	134.70	4,798.3	-2,397.6	1,473.2	2,728.3	3.89	3.76	-0.97
7,591.0	91.50	133.40	4,795.9	-2,462.9	1,540.7	2,822.3	1.38	0.00	-1.38
7,685.0	89.90	131.50	4,794.7	-2,526.4	1,610.1	2,916.2	2.64	-1.70	-2.02
7,746.0	90.70	129.60	4,794.4	-2,566.0	1,656.4	2,977.1	3.38	1.31	-3.11
Last Survey									
7,800.0	90.70	129.60	4,793.7	-2,600.5	1,698.0	3,030.9	0.00	0.00	0.00
Projection to Bit									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
310.0	310.0	0.1	1.1	First Survey
7,746.0	4,794.4	-2,566.0	1,656.4	Last Survey
7,800.0	4,793.7	-2,600.5	1,698.0	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____

Skyline Directional

Skyline Directional

Louise 3504 SL 2-8H

Scale 2":100' - MD

9/19/2017 10:32 AM

Oper. Company: Destiny Petroleum
Well: Louise 3504 SL 2-8H
Field:
Rig: WW Drilling Rig 14
Well ID:
Job Number: OK17048

State: Kansas
County:
Country: USA
Location: Sumner County
Start Date: 09/03/2017 09:00:00
End Date: 09/19/2017 10:27:02

Latitude:
Longitude:

Elev GL:
Elev DF:
Elev KB:

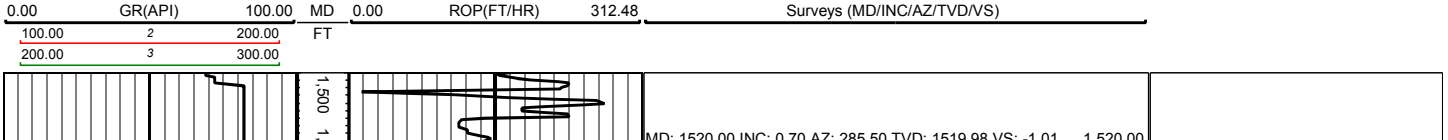
Operator 1: David Jay

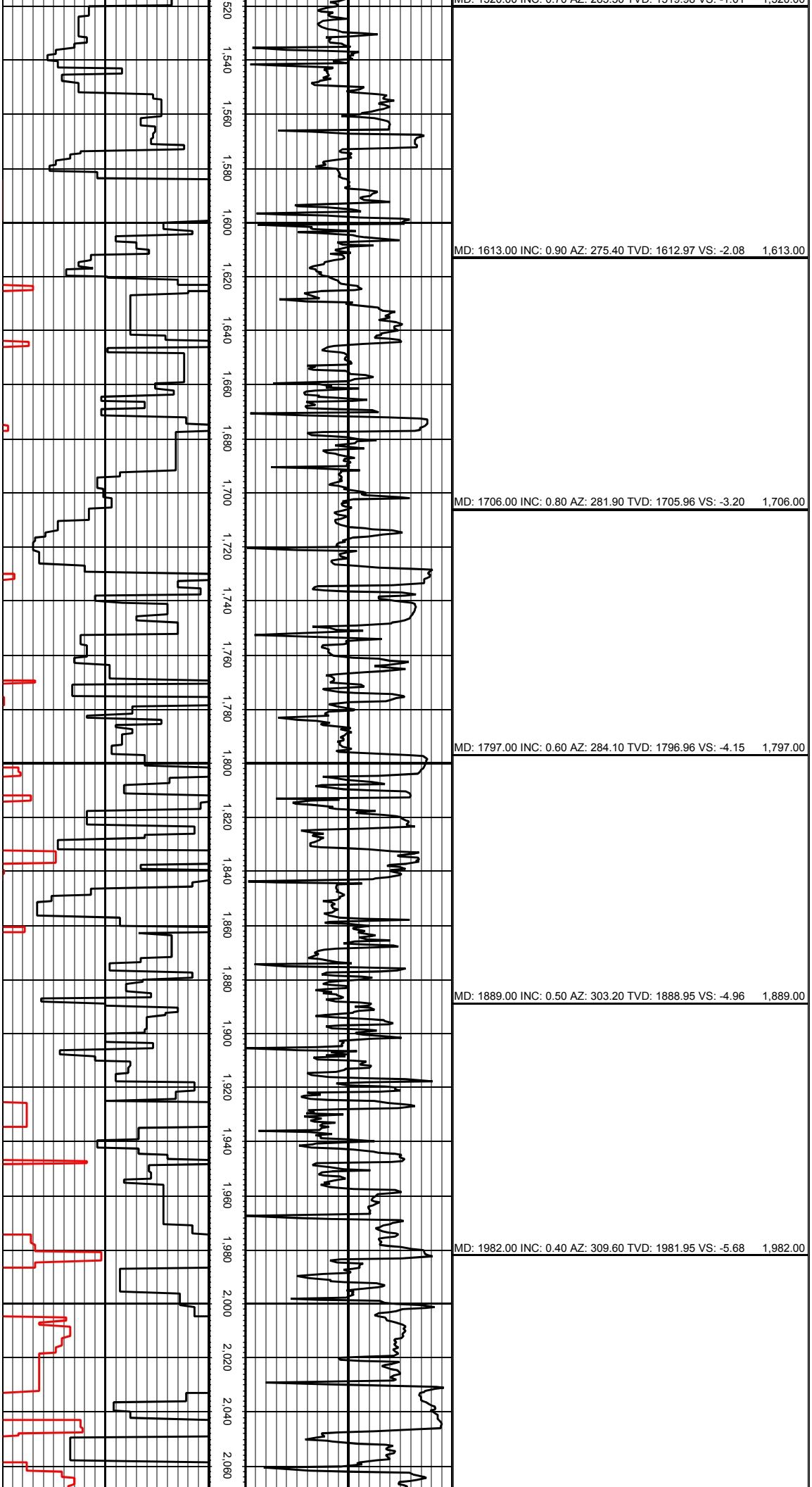
Operator 2: Steve Wilson

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	GM205	GM205	GM205	GM205	GM205
Bit Size	8.25	8.25	6.25	6.25	6.125
Cal Factor	0.93	0.93	0.93	0.93	0.93
Survey Offset	46.00	46.00	55.00	49.00	55.00
Gamma Offset	42.02	42.02	48.99	42.28	49.02
Resisitivity Offset	0.00	0.00	0.00	0.00	0.00
Start Depth	0.00	4640.00	4902.00	5366.00	6704.00
StartDate	9/3/2017	9/7/2017	9/10/2017	9/12/2017	9/14/2017
StartTime	07:30	04:00	03:30	09:00	23:28
EndDepth	4640.00	4902.00	5366.00	6704.00	7008.00
EndDate	9/7/2017	9/9/2017	9/12/2017	9/14/2017	9/16/2017
EndTime	10:00	02:00	07:00	21:00	01:00
Mud Type	Water	Water	Water	Water	Water

Tool Run Data	Run #6	Run #7	Run #8	Run #9	Run #10
Tool S/N	GM205	GM205			
Bit Size	6.125	6.125			
Cal Factor	0.93	0.93			
Survey Offset	55.00	54.00			
Gamma Offset	49.00	47.79			
Resisitivity Offset	0.00	0.00			
Start Depth	7008.00	7489.00			
StartDate	9/16/2017	9/18/2017			
StartTime	03:00	03:00			
EndDepth	7489.00	7800.00			
EndDate	9/18/2017	9/19/2017			
EndTime	03:00	10:31			
Mud Type	Water	Water			

Hole Data			Casing Data		
Size	From	To	Size	From	To

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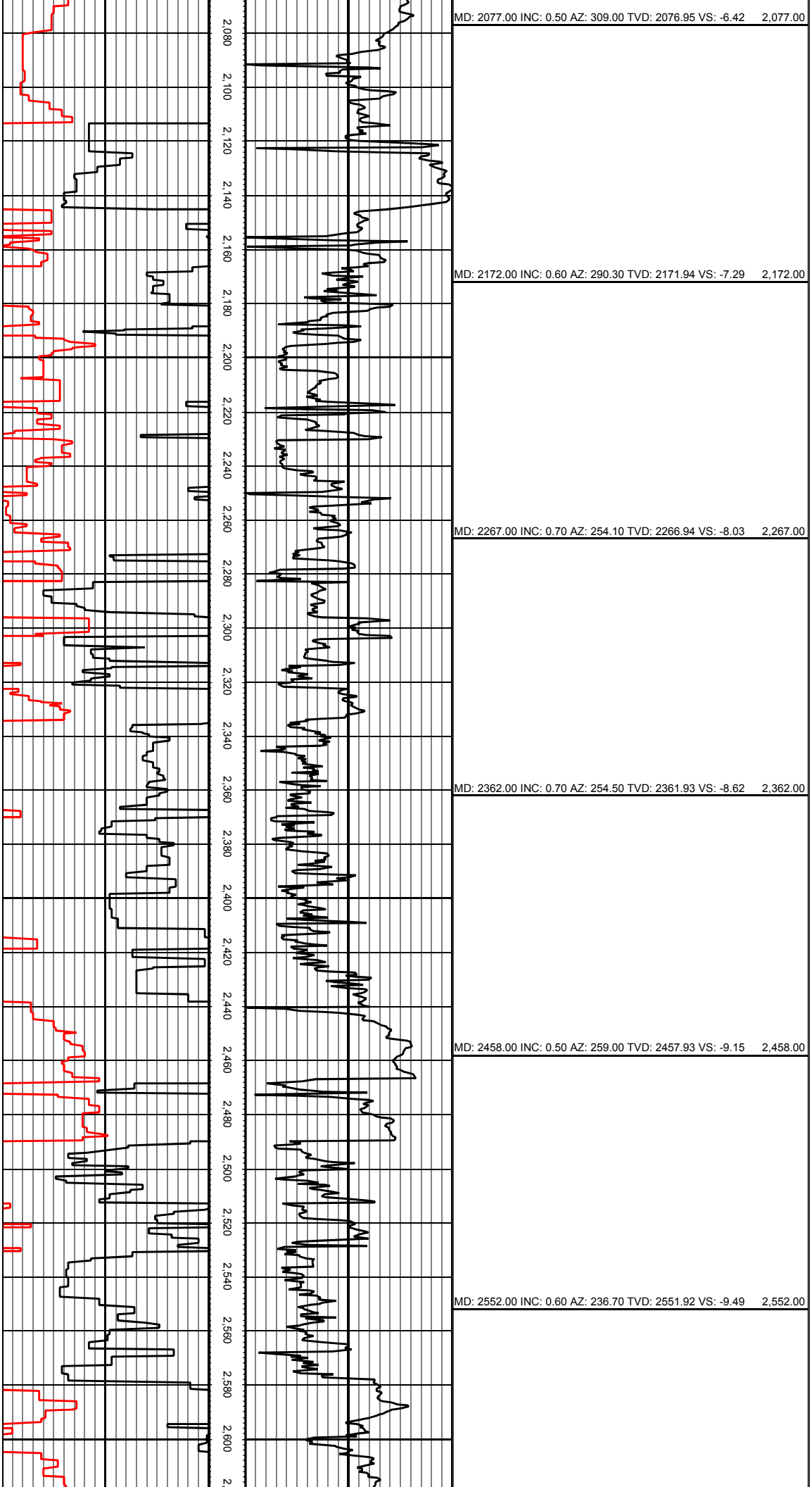
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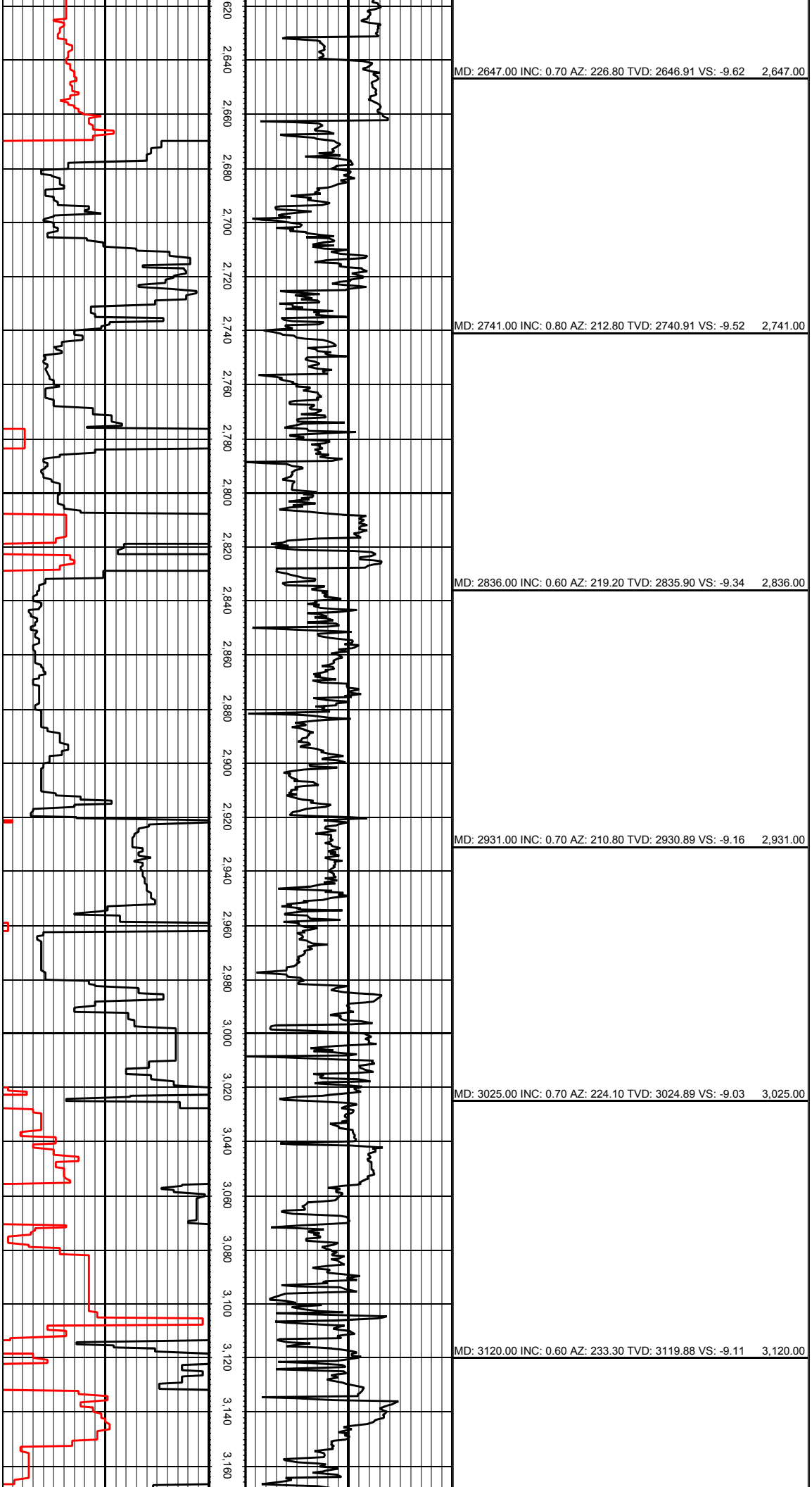
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MD: 2931.00 INC: 0.70 AZ: 210.80 TVD: 2930.89 VS: -9.16 2,931.00
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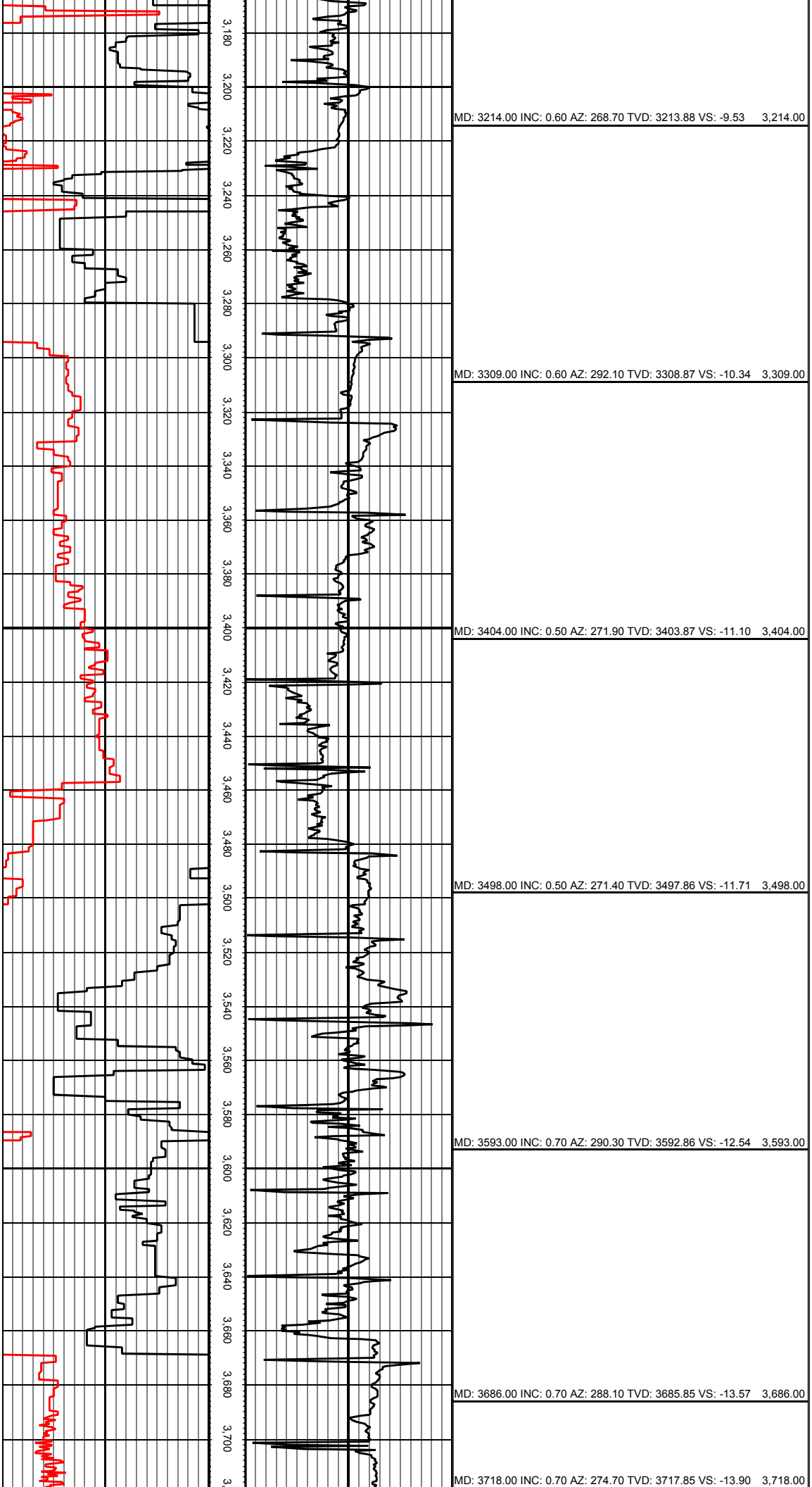
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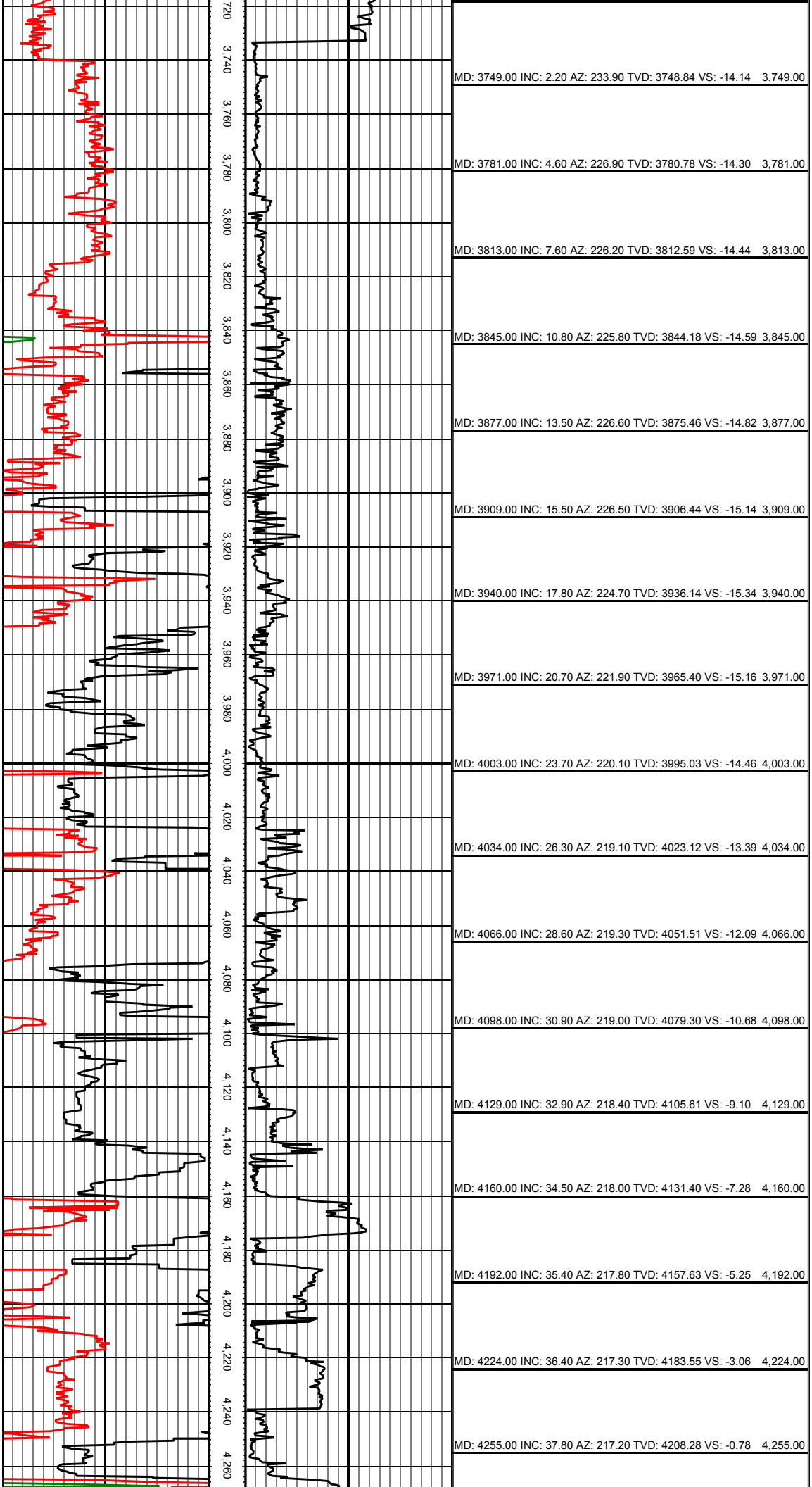
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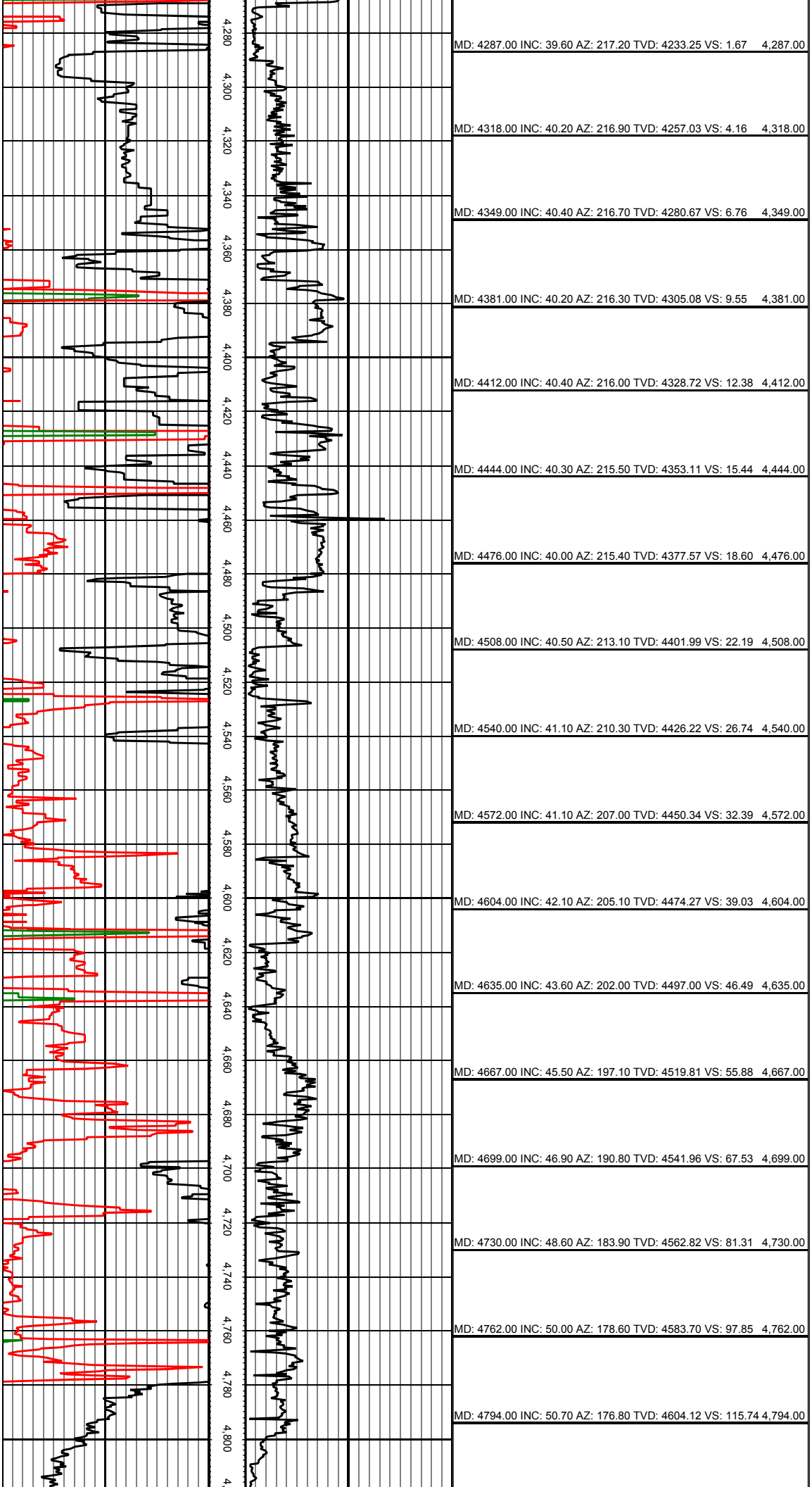
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MD: 4762.00 INC: 50.00 AZ: 178.60 TVD: 4583.70 VS: 97.85 4,762.00
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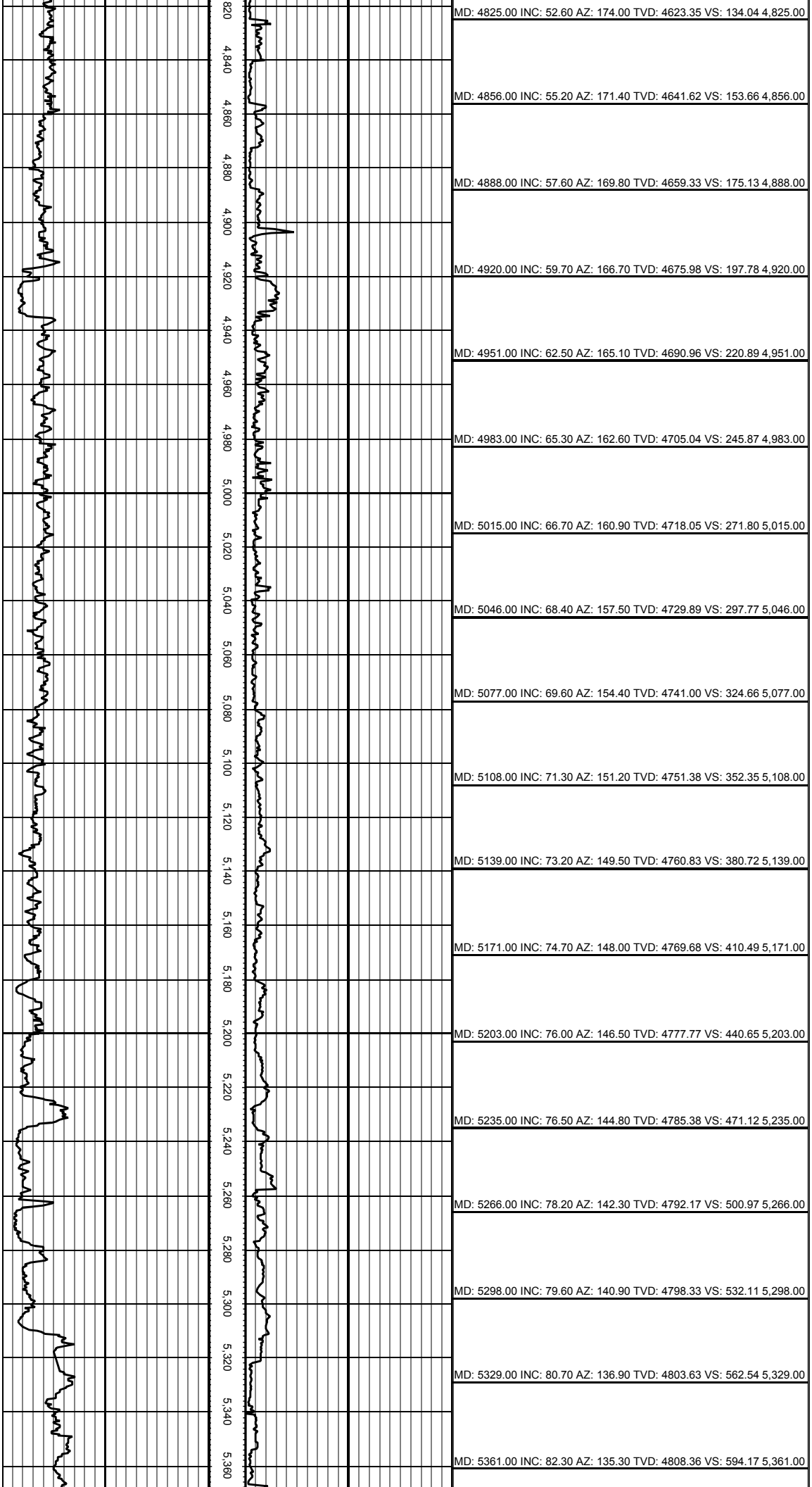
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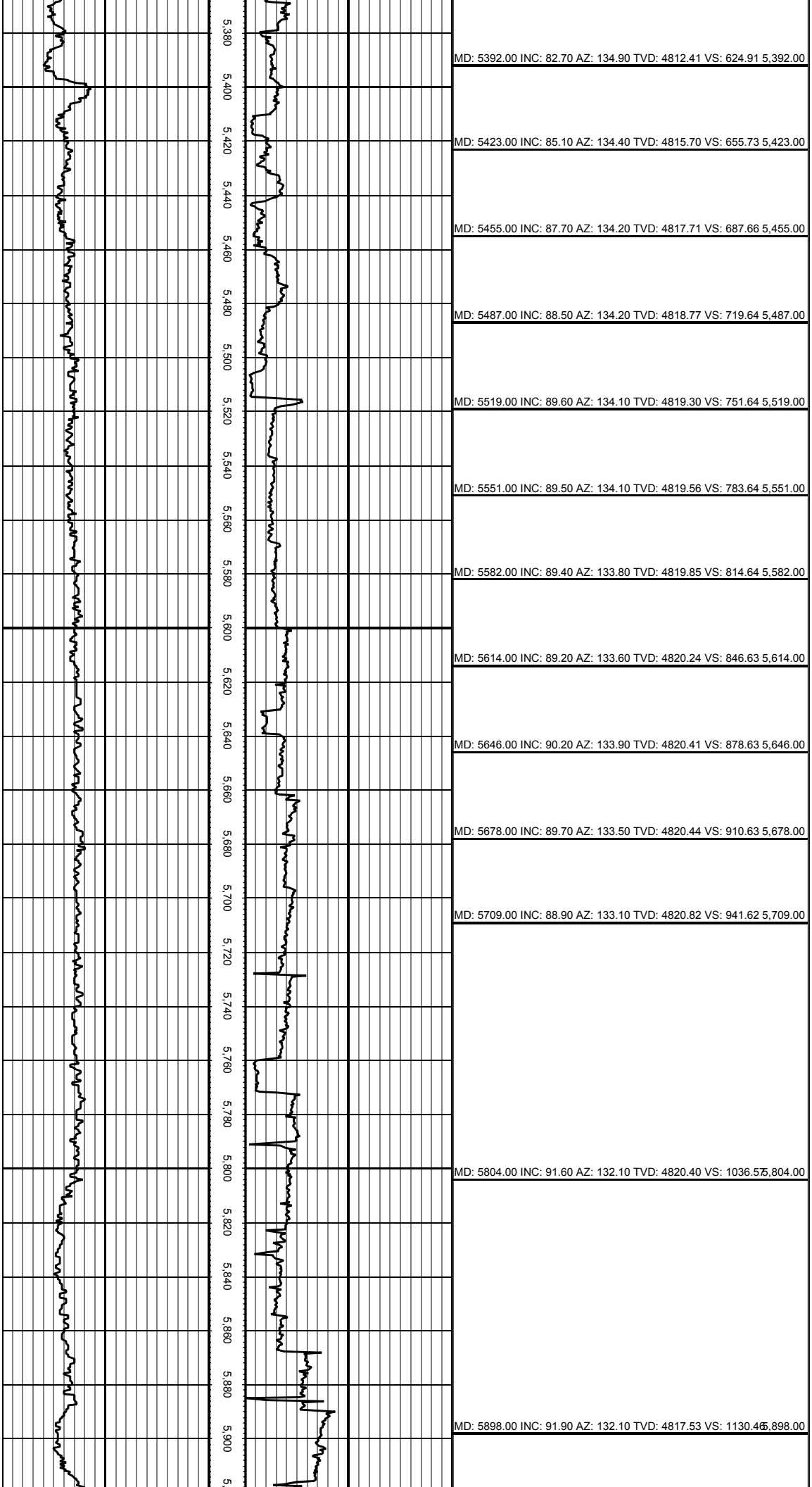
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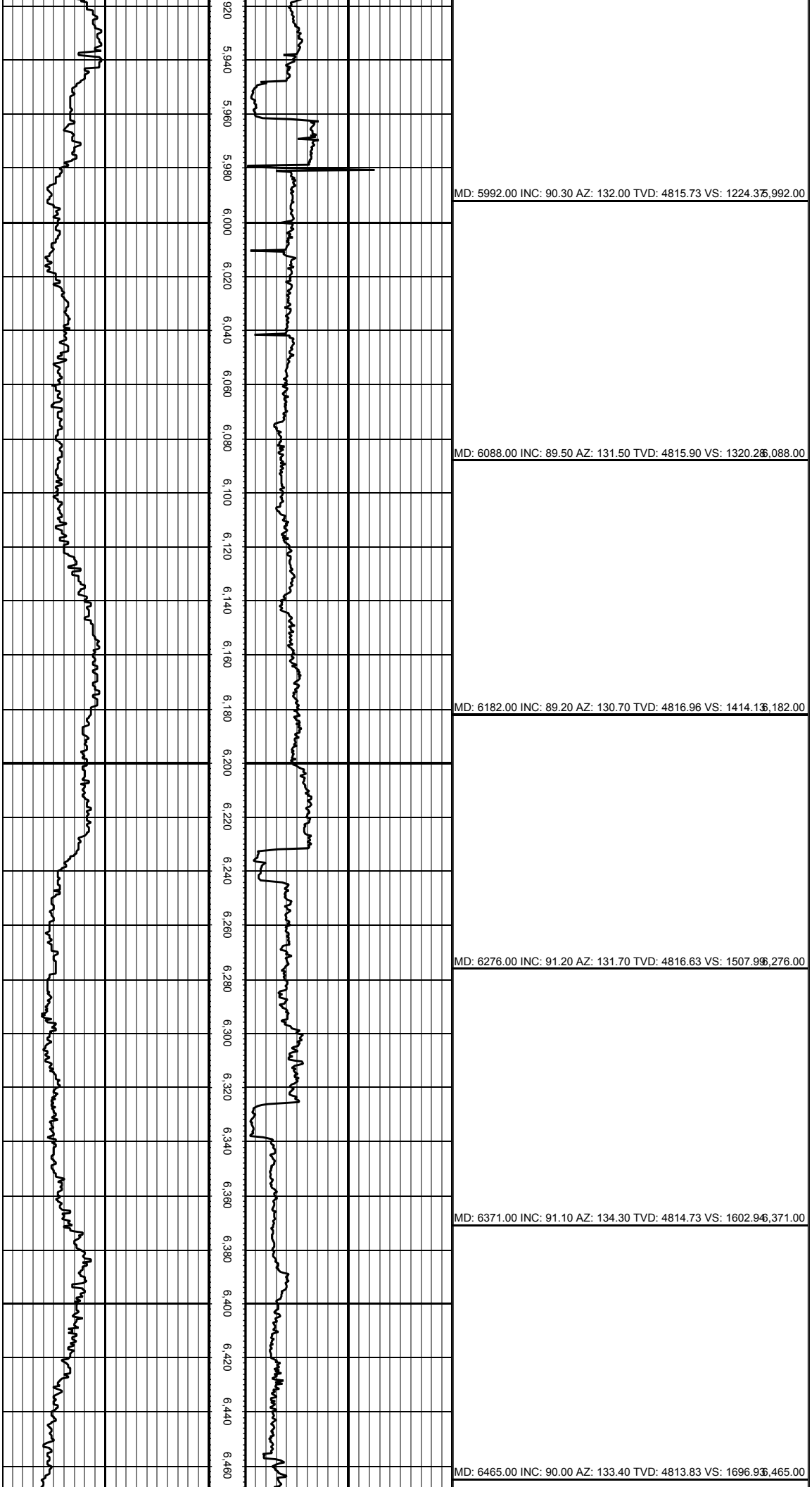
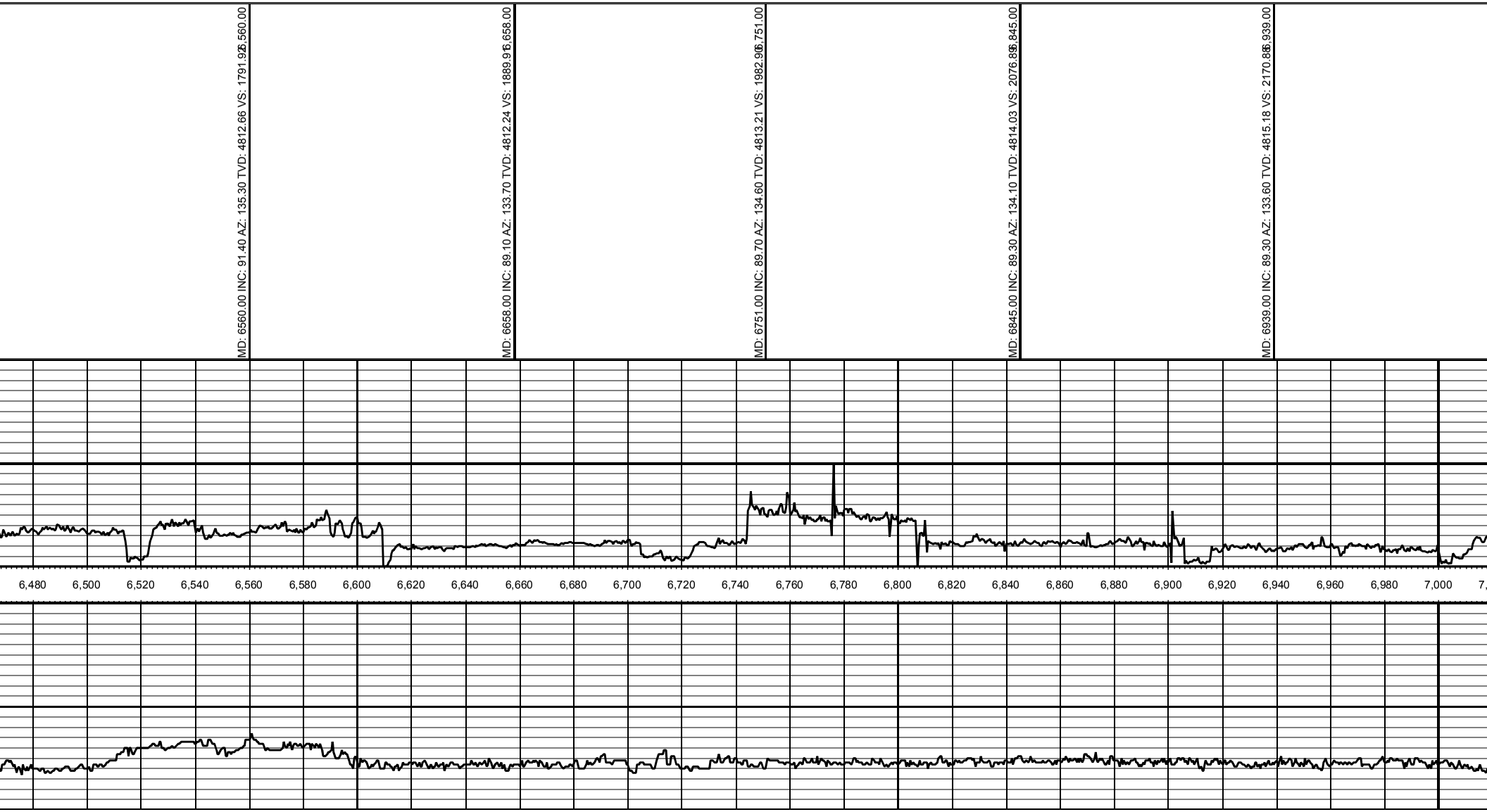
5,900
MD: 5392.00 INC: 82.70 AZ: 134.90 TVD: 4812.41 VS: 624.91 5,392.00
MD: 5423.00 INC: 85.10 AZ: 134.40 TVD: 4815.70 VS: 655.73 5,423.00
MD: 5455.00 INC: 87.70 AZ: 134.20 TVD: 4817.71 VS: 687.66 5,455.00
MD: 5487.00 INC: 88.50 AZ: 134.20 TVD: 4818.77 VS: 719.64 5,487.00
MD: 5519.00 INC: 89.60 AZ: 134.10 TVD: 4819.30 VS: 751.64 5,519.00
MD: 5551.00 INC: 89.50 AZ: 134.10 TVD: 4819.56 VS: 783.64 5,551.00
MD: 5582.00 INC: 89.40 AZ: 133.80 TVD: 4819.85 VS: 814.64 5,582.00
MD: 5614.00 INC: 89.20 AZ: 133.60 TVD: 4820.24 VS: 846.63 5,614.00
MD: 5646.00 INC: 90.20 AZ: 133.90 TVD: 4820.41 VS: 878.63 5,646.00
MD: 5678.00 INC: 89.70 AZ: 133.50 TVD: 4820.44 VS: 910.63 5,678.00
MD: 5709.00 INC: 88.90 AZ: 133.10 TVD: 4820.82 VS: 941.62 5,709.00
MD: 5804.00 INC: 91.60 AZ: 132.10 TVD: 4820.40 VS: 1036.57 5,804.00
MD: 5898.00 INC: 91.90 AZ: 132.10 TVD: 4817.53 VS: 1130.46 5,898.00


5,920
5,940
5,960
5,980
6,000
6,020
6,040
6,060
6,080
6,100
6,120
6,140
6,160
6,180
6,200
6,220
6,240
6,260
6,280
6,300
6,320
6,340
6,360
6,380
6,400
6,420
6,440
6,460
MD: 5992.00 INC: 90.30 AZ: 132.00 TVD: 4815.73 VS: 1224.37 5,992.00
MD: 6088.00 INC: 89.50 AZ: 131.50 TVD: 4815.90 VS: 1320.28 6,088.00
MD: 6182.00 INC: 89.20 AZ: 130.70 TVD: 4816.96 VS: 1414.13 6,182.00
MD: 6276.00 INC: 91.20 AZ: 131.70 TVD: 4816.63 VS: 1507.99 6,276.00
MD: 6371.00 INC: 91.10 AZ: 134.30 TVD: 4814.73 VS: 1602.94 6,371.00
MD: 6465.00 INC: 90.00 AZ: 133.40 TVD: 4813.83 VS: 1696.93 6,465.00


MD: 6560.00 INC: 91.40 AZ: 135.30 TVD: 4812.66 VS: 1791.92
MD: 6658.00 INC: 89.10 AZ: 133.70 TVD: 4812.24 VS: 1889.91
MD: 6751.00 INC: 89.70 AZ: 134.60 TVD: 4813.21 VS: 1982.90
MD: 6845.00 INC: 89.30 AZ: 134.10 TVD: 4814.03 VS: 2076.85
MD: 6939.00 INC: 89.30 AZ: 133.60 TVD: 4815.18 VS: 2170.86
6,480
6,500
6,520
6,540
6,560
6,580
6,600
6,620
6,640
6,660
6,680
6,700
6,720
6,740
6,760
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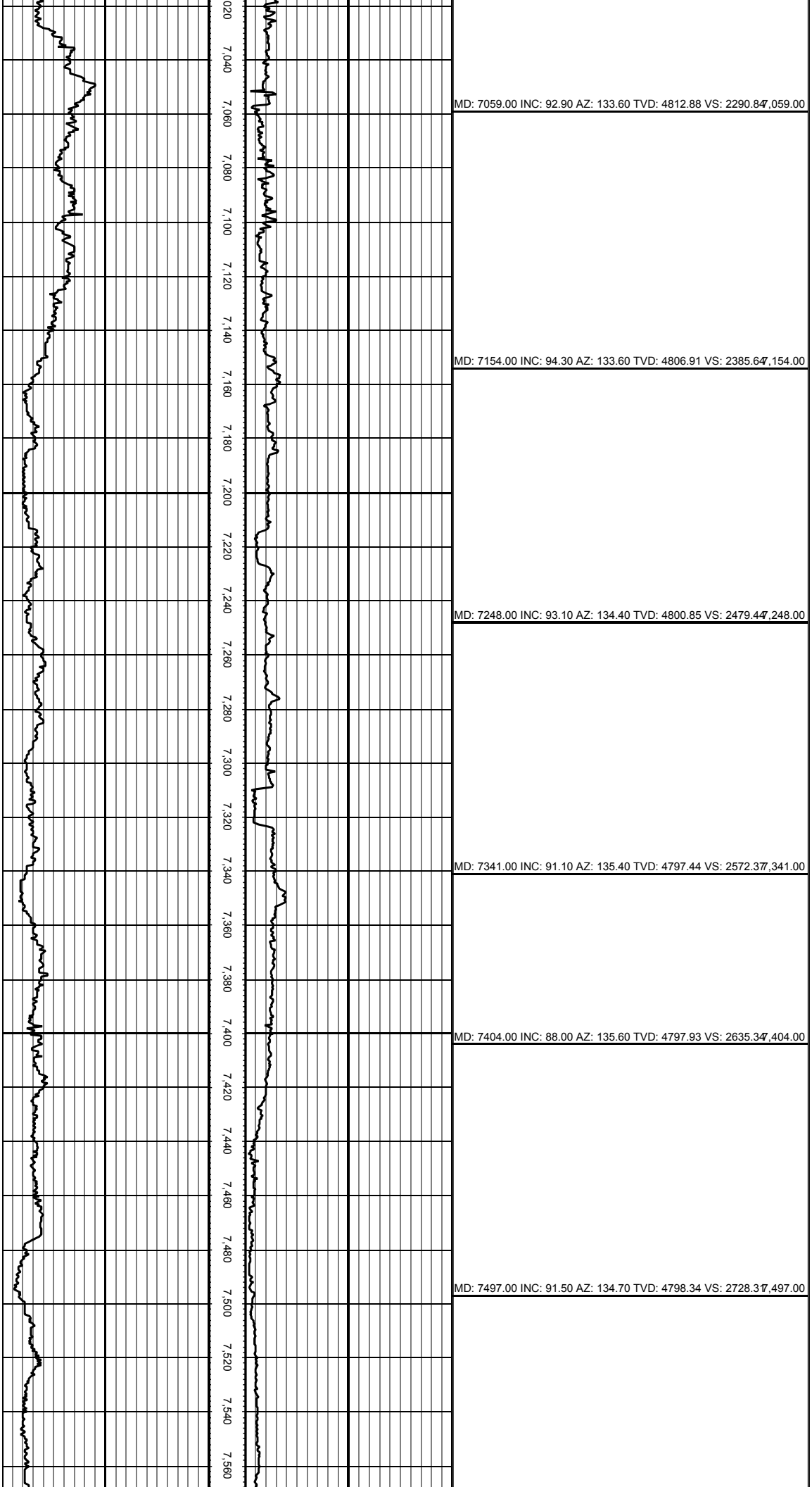
6,900
6,920
6,940
6,960
6,980
7,000


7,020
7,040
7,060
7,080
7,100
7,120
7,140
7,160
7,180
7,200
7,220
7,240
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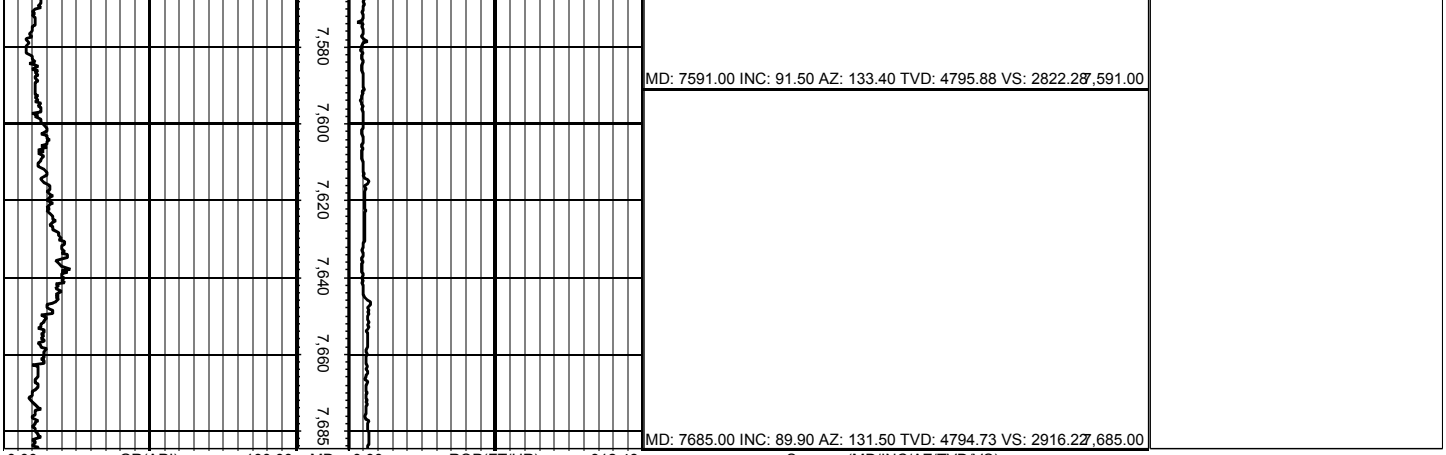
7,280
7,300
7,320
7,340
7,360
7,380
7,400
7,420
7,440
7,460
7,480
7,500
7,520
7,540
7,560
MD: 7059.00 INC: 92.90 AZ: 133.60 TVD: 4812.88 VS: 2290.84
7,059.00
MD: 7154.00 INC: 94.30 AZ: 133.60 TVD: 4806.91 VS: 2385.64
7,154.00
MD: 7248.00 INC: 93.10 AZ: 134.40 TVD: 4800.85 VS: 2479.44
7,248.00
MD: 7341.00 INC: 91.10 AZ: 135.40 TVD: 4797.44 VS: 2572.37
7,341.00
MD: 7404.00 INC: 88.00 AZ: 135.60 TVD: 4797.93 VS: 2635.34
7,404.00
MD: 7497.00 INC: 91.50 AZ: 134.70 TVD: 4798.34 VS: 2728.31
7,497.00



0.00 GR(API) 100.00

100.00 2 200.00

200.00 3 300.00

MD FT

0.00 ROP(FT/HR) 312.48

Surveys (MD/INC/AZ/TVD/VS)

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

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

January 31, 2018

Emad Elrafie
Destiny Petroleum LLC
1 DESTINY COVE
THE WOODLANDS, TX 77381

Re: ACO-1
API 15-191-22793-01-00
LOUISE 3504 SL 2-8H
NW/4 Sec.08-35S-04W
Sumner County, Kansas

Dear Emad Elrafie:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 9/1/2017 and the ACO-1 was received on January 31, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

5 INCHES PER 100 FT

Toledo Mudlogging, Inc.

866-463-5600 ★ Many, LA
www.toledomudlogging.com

P. O. Box 1209
MANY LA, 71449
(318)-590-9755
FAX (318)590-9754

COMPANY: DESTINY PETROLUEM LLC

WELL: LOUISE 3504 SL 2-8H

FIELD: BUFFCREEK / WILDCAT **COUNTY:** SUMMER **STATE:** KANSAS

LOCATION: SW NE NE NW 8 35 4 W

Interval Logged: 2500 **To:** _____ **G.L.:** _____ **K.B:** _____

Date Logged: 9/1/17 **To:** _____ **Spud Date:** 8-31-17

Rig: WW DILLING RIG#14 **Unit No.:** 141

Loggers: D.MITCHELL/ G. FOLTZ

Api No.: 15191227930100

Filename: louise_3504_sl_2-8h_ww_14.mlw

Geologist: REID McCARTY

Created By MainLog

Abbreviations:

NB...New Bit	DST...Drill Stem Test
CO...Circ Out	DS...Directional Survey
NR...No Returns	CG...Connection gas
TG...Trip Gas	LAT...Logged After Trip
WOB...Wt on Bit	PP...Pump Pressure
RPM...Rev/Min	SPM...Strokes/Min
SG...Survey Gas	DTG...Down Time Gas

Mud Data

WT..Weight	V..Viscosity
PH..Acidity	F..Filtrate
CHL..Chlorides	SC..Solids Content

Lithology Symbols:

Anhydrite	Salt	Granite
Siltstone	Chert	Sandstone
Dolomite	Conglomerate	Limestone
Coal	Shale	Bentonite
Carb Shale	Granite Wash	Quartz Wash
Red Sh	Org Sh	Green Sh
Cust Sh1	Cust Sh2	Cust Sh3
Cust Sh4	Cust Sh5	Cust Sh6

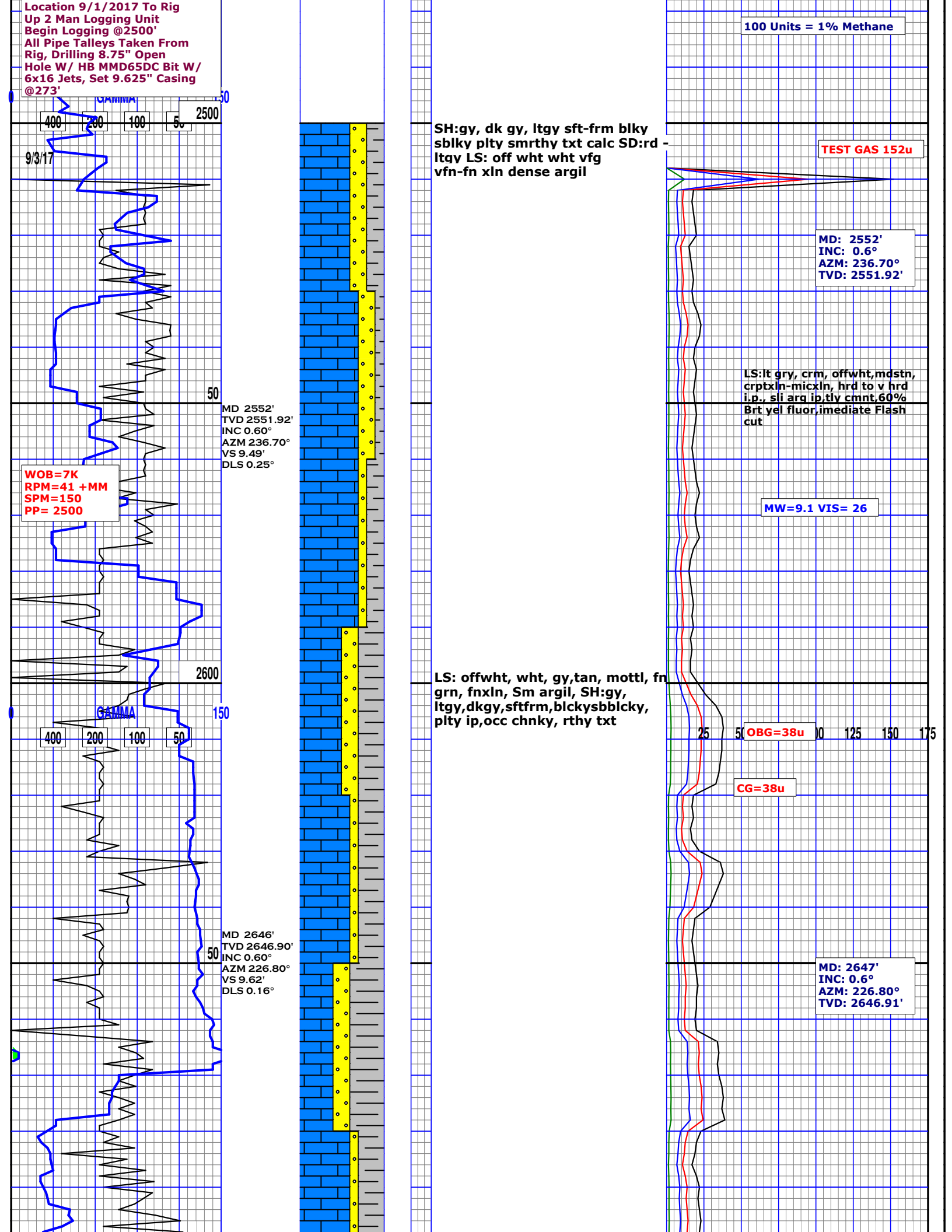
Accessories

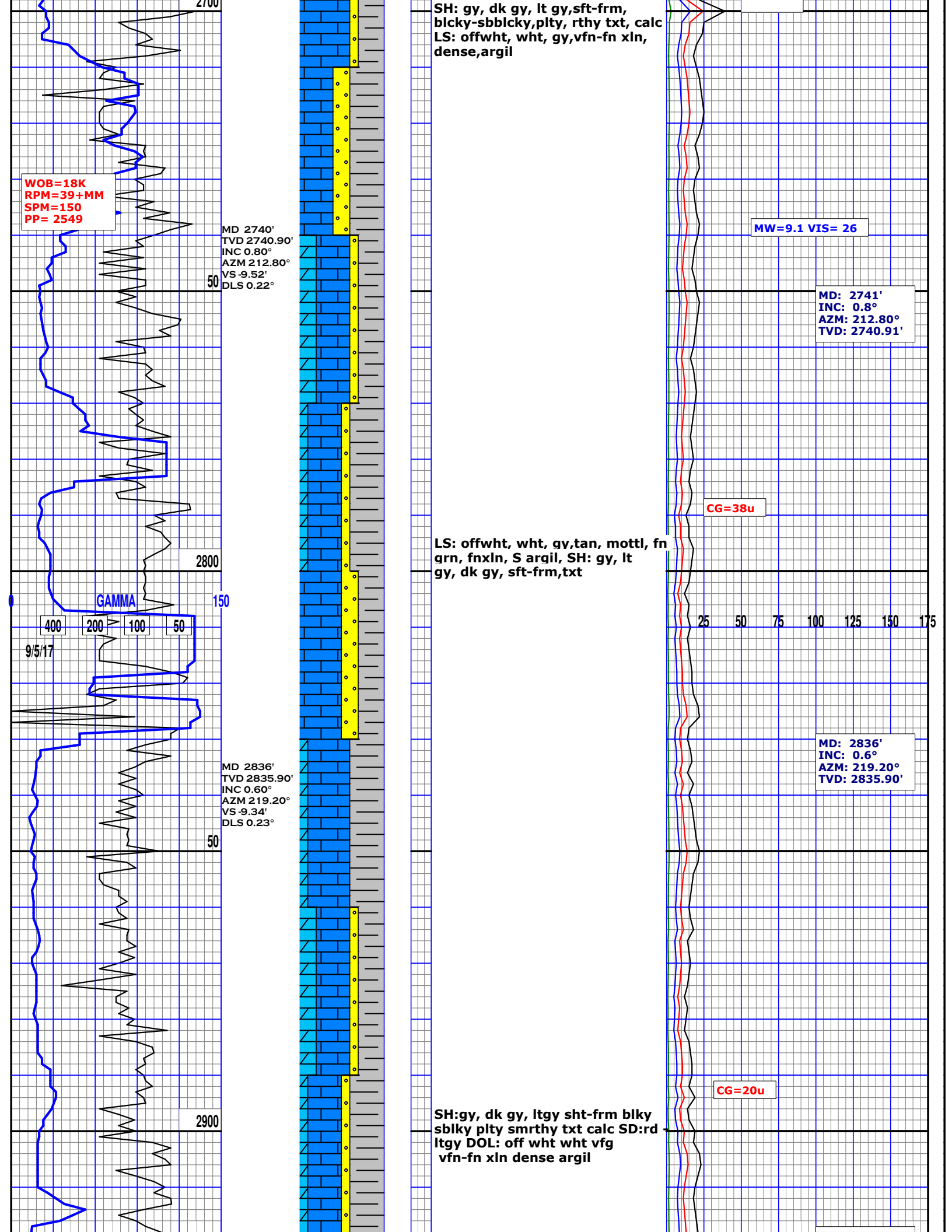
Glauconite, Pyrite, Fossils, Oolites, Fractures, Cement

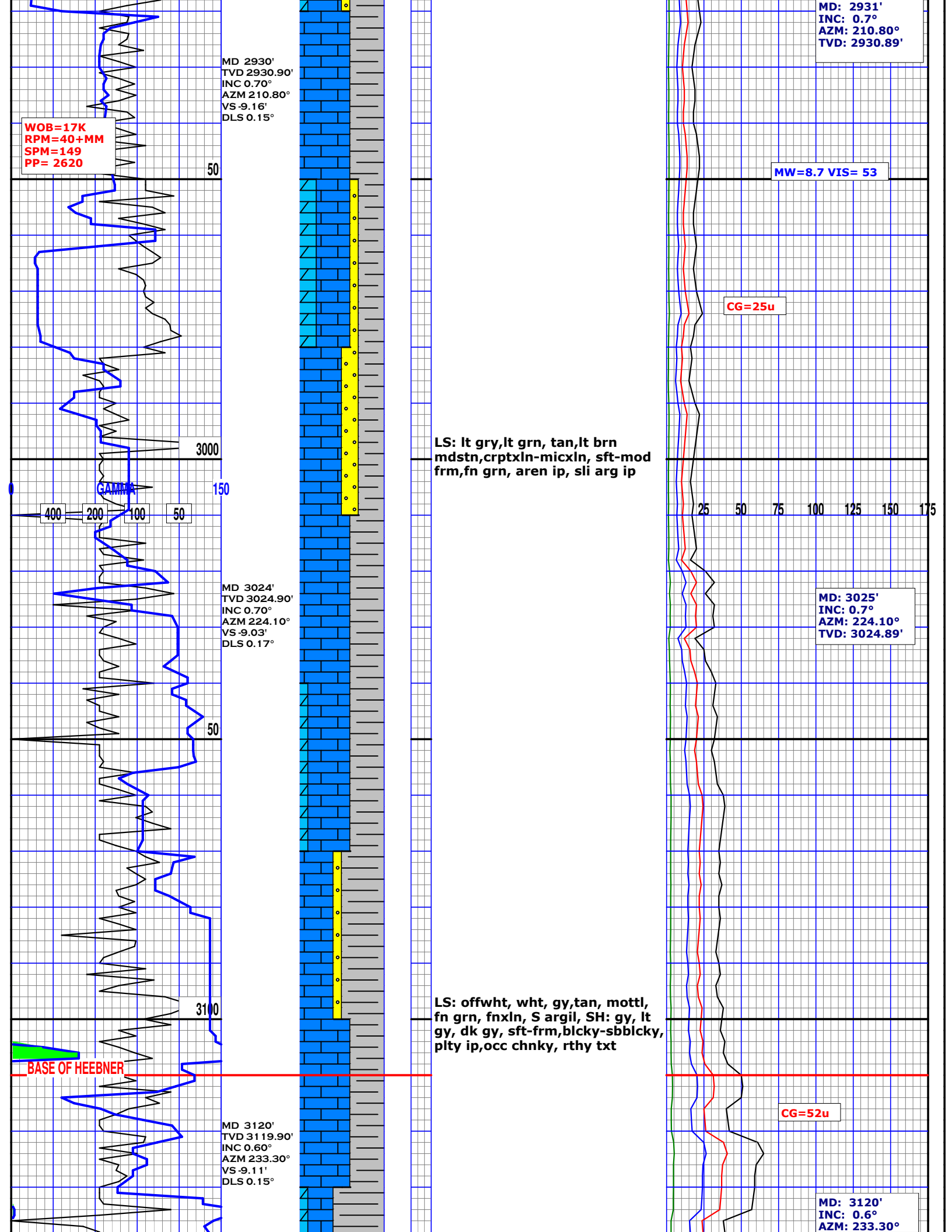
Gas Chromatograph Analysis:

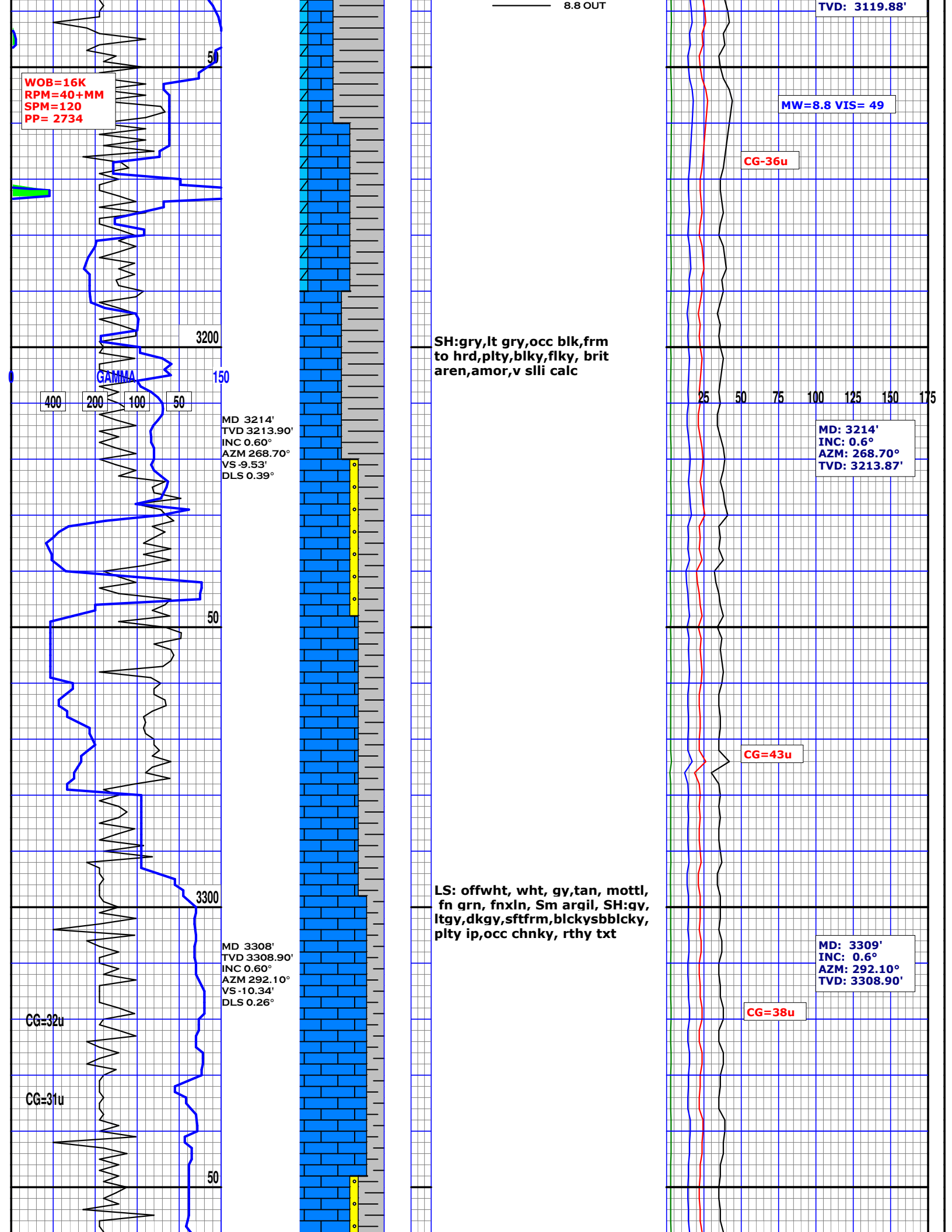
TG, C1, C2, C3, IC4, NC4, IC5, NC5

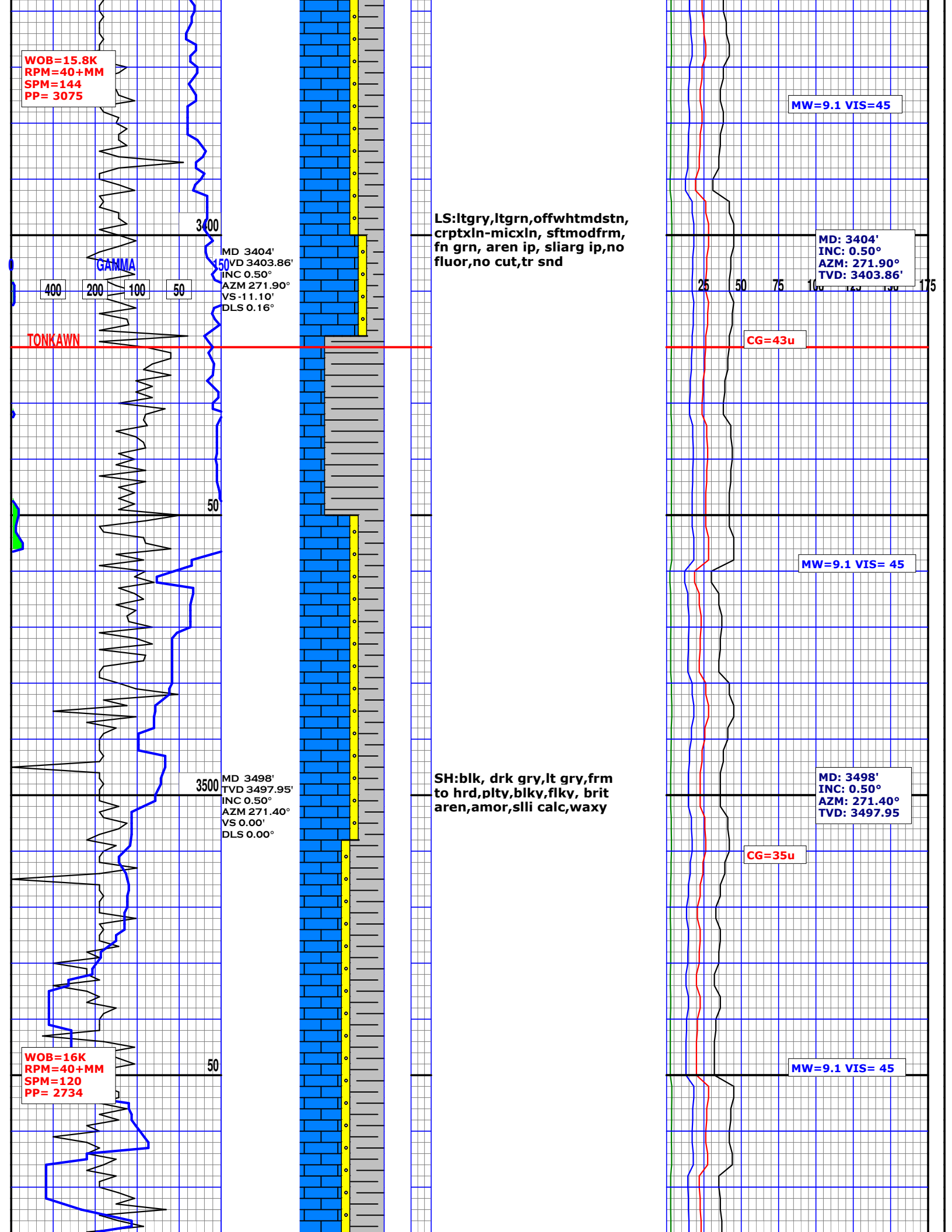
0 GAMMA API 150						
Drilling Rate FT/HR	Vis Por Tr / p f g	Lithology	% Oil Flu Tr / p f g	Cut Tr / pfg	Descriptions/Remarks	Total Gas/Chromatograph
0 GAMMA 150						25 50 75 100 125 150 175
200 100 50 25						
Toledo Mudlogging On						

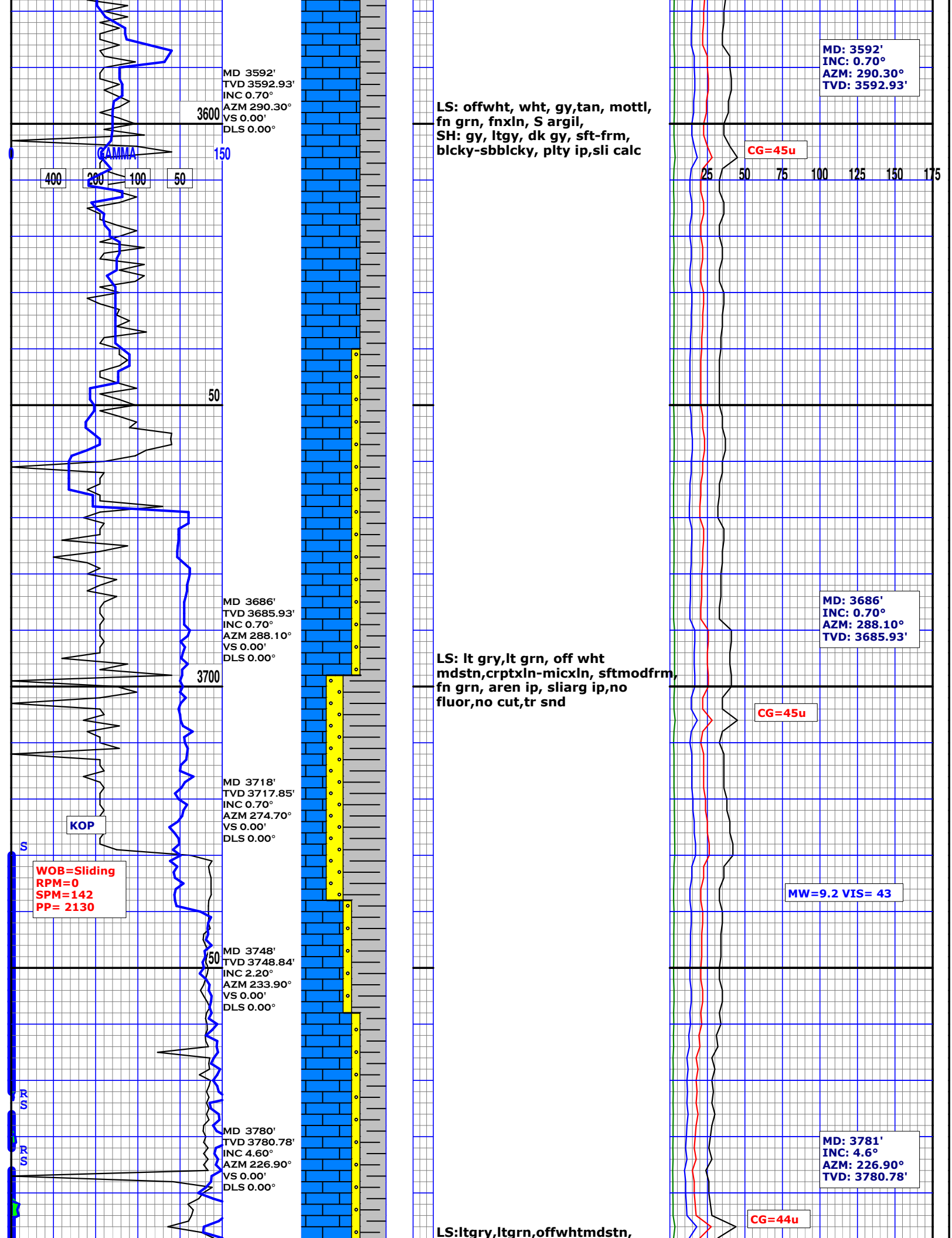

Location 9/1/2017 To Rig Up 2 Man Logging Unit Begin Logging @2500'
All Pipe Talleys Taken From Rig, Drilling 8.75" Open Hole W/ HB MMD65DC Bit W/ 6x16 Jets, Set 9.625" Casing @273'
100 Units = 1% Methane
GAMMA
0
150
400
200
100
50
2500
9/3/17
SH:gy, dk gy, ltgy sft-frm blky sblky plty smrthy txt calc SD:rd - ltgy LS: off wht wht vfg vfn-fn xln dense argil
TEST GAS 152u
MD: 2552'
INC: 0.6°
AZM: 236.70°
TVD: 2551.92'
50
MD 2552'
TVD 2551.92'
INC 0.60°
AZM 236.70°
VS 9.49'
DLS 0.25°
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, hrd to v hrd i.p., sli arg ip,tly cmnt,60% Brt yel fluor,imediate Flash cut
WOB=7K
RPM=41 +MM
SPM=150
PP= 2500
MW=9.1 VIS= 26
2600
LS: offwht, wht, gy,tan, mottl, fn grn, fnxln, Sm argil, SH:gy, ltgy,dkgy,sftfrm,blckysbblcky, plty ip,occ chnky, rthy txt
25
50
OBG=38u
125
150
175
CG=38u
MD 2646'
TVD 2646.90'
INC 0.60°
AZM 226.80°
VS 9.62'
DLS 0.16°
MD: 2647'
INC: 0.6°
AZM: 226.80°
TVD: 2646.91'

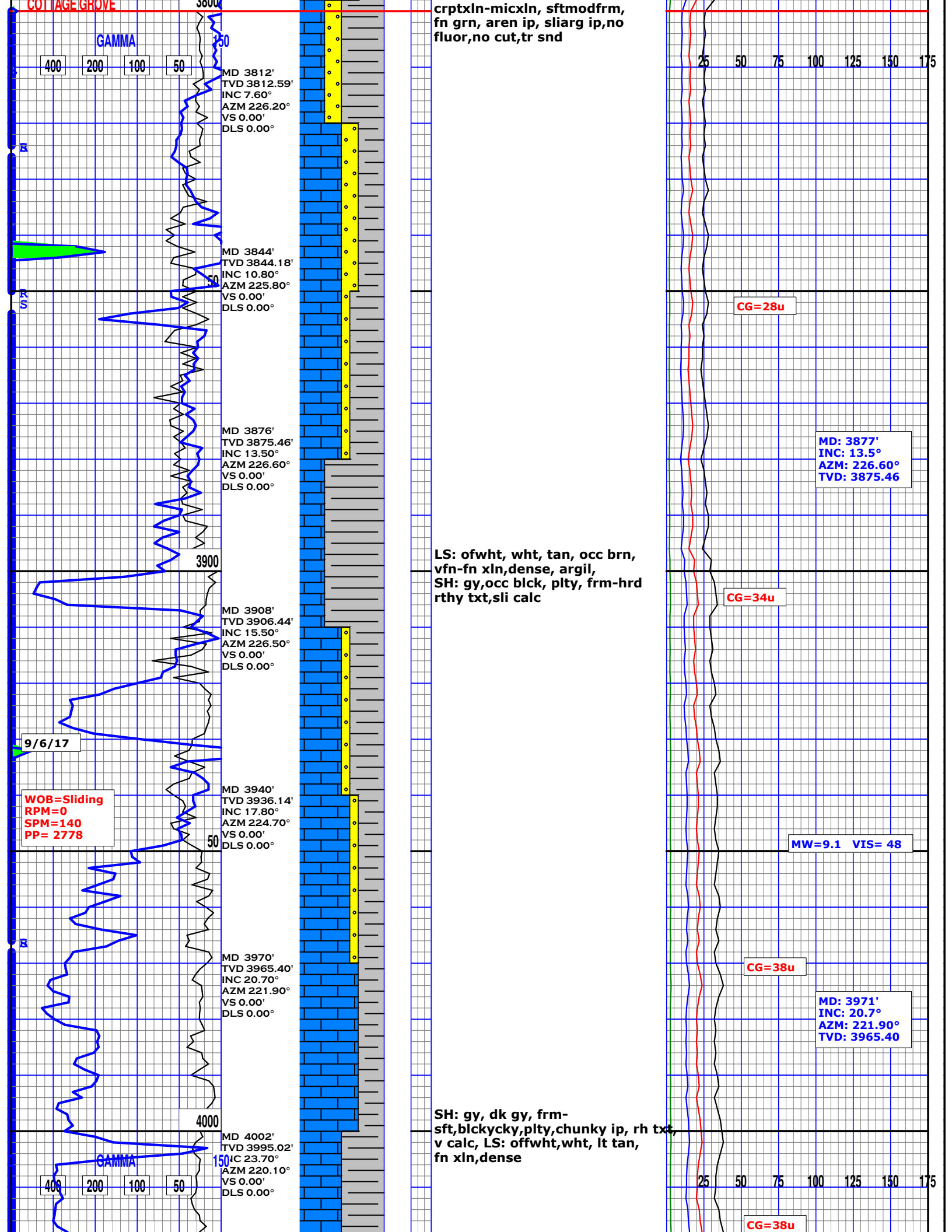

2700
WOB=18K
RPM=39+MM
SPM=150
PP= 2549
MD 2740'
TVD 2740.90'
INC 0.80°
AZM 212.80°
VS -9.52'
DLS 0.22°
50
SH: gy, dk gy, lt gy,sft-frm, blcky-sbblcky,plty, rthy txt, calc
LS: offwht, wht, gy,vfn-fn xln, dense,argil
MW=9.1 VIS= 26
MD: 2741'
INC: 0.8°
AZM: 212.80°
TVD: 2740.91'
CG=38u
2800
0
GAMMA
150
400
200
100
50
9/5/17
LS: offwht, wht, gy,tan, mottl, fn grn, fnxln, S argil, SH: gy, lt gy, dk gy, sft-frm,txt
25
50
75
100
125
150
175
MD 2836'
TVD 2835.90'
INC 0.60°
AZM 219.20°
VS -9.34'
DLS 0.23°
50
MD: 2836'
INC: 0.6°
AZM: 219.20°
TVD: 2835.90'
CG=20u
2900
SH:gy, dk gy, ltgy sht-frm blky sblky plty smrthy txt calc SD:rd ltgy DOL: off wht wht vfg vfn-fn xln dense argil

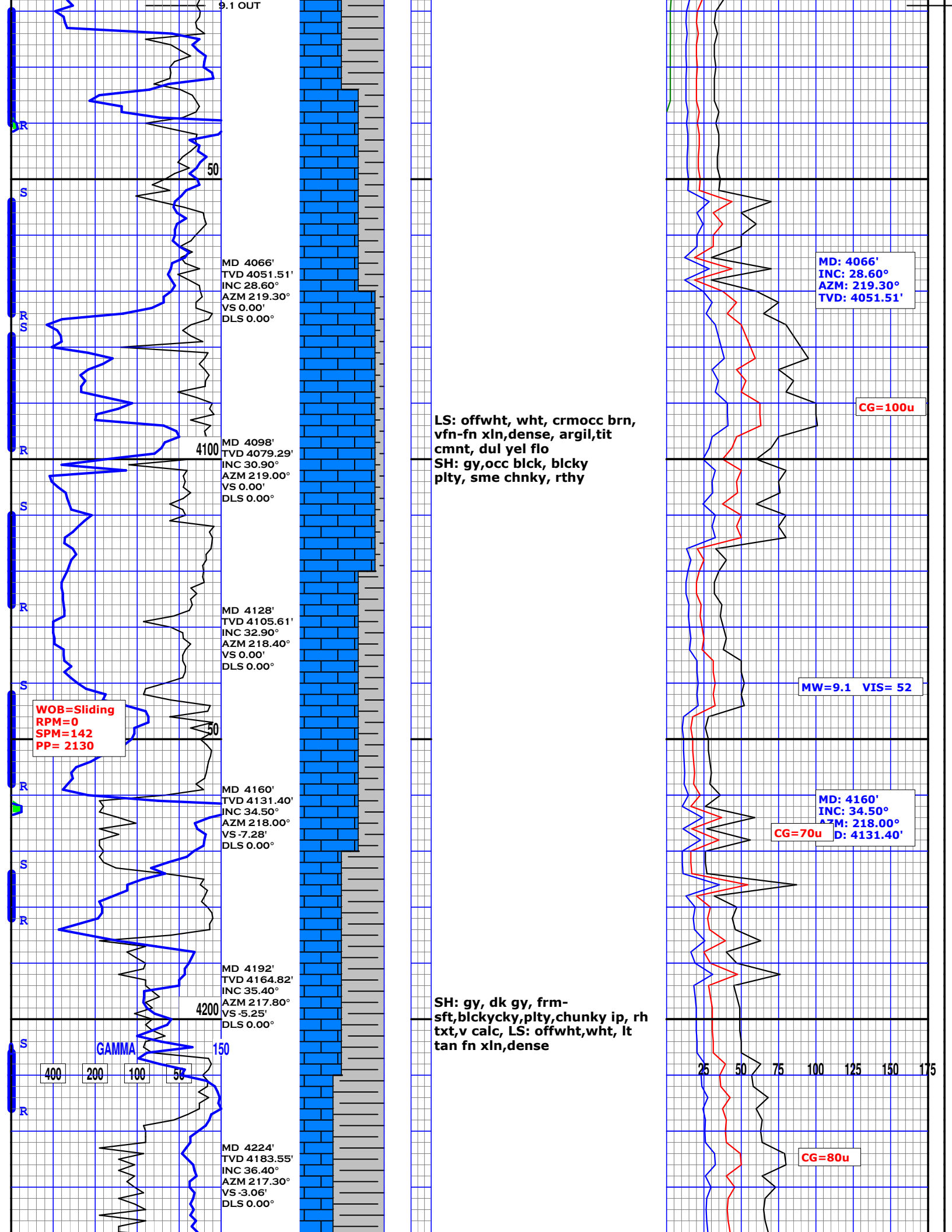

MD 2930'
TVD 2930.90'
INC 0.70°
AZM 210.80°
VS -9.16'
DLS 0.15°
WOB=17K
RPM=40+MM
SPM=149
PP= 2620
50
3000
0
GAMMA
150
400
200
100
50
MD 3024'
TVD 3024.90'
INC 0.70°
AZM 224.10°
VS -9.03'
DLS 0.17°
50
3100
BASE OF HEEBNER
MD 3120'
TVD 3119.90'
INC 0.60°
AZM 233.30°
VS -9.11'
DLS 0.15°
LS: lt gry,lt grn, tan,lt brn mdstn,crptxln-micxln, sft-mod frm,fn grn, aren ip, sli arg ip
LS: offwht, wht, gy,tan, mottl, fn grn, fnxln, S argil, SH: gy, lt gy, dk gy, sft-frm,blcky-sbblcky, plty ip,occ chnky, rthy txt
MD: 2931'
INC: 0.7°
AZM: 210.80°
TVD: 2930.89'
MW=8.7 VIS= 53
CG=25u
25
50
75
100
125
150
175
MD: 3025'
INC: 0.7°
AZM: 224.10°
TVD: 3024.89'
CG=52u
MD: 3120'
INC: 0.6°
AZM: 233.30°

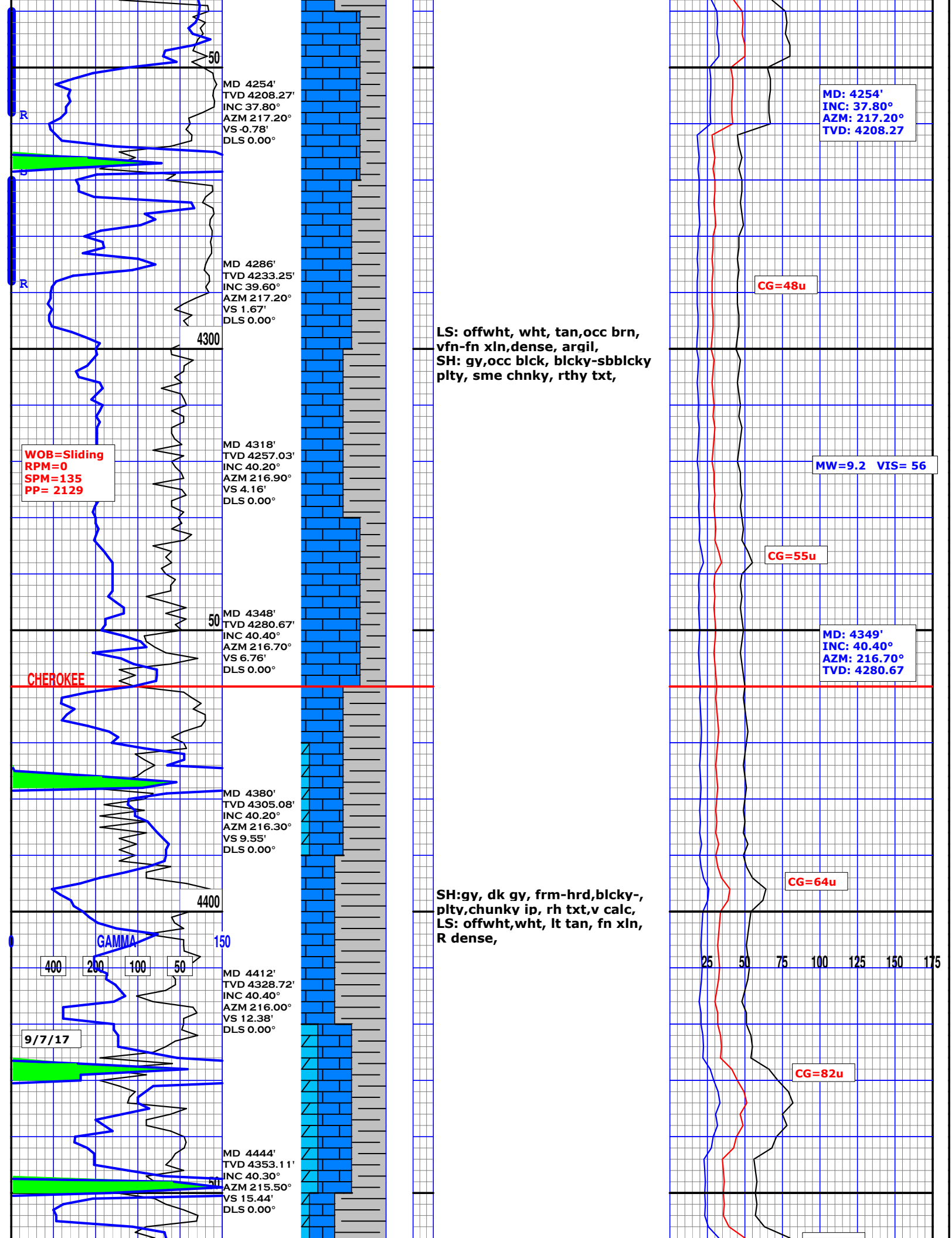

8.8 OUT
TVD: 3119.88'
WOB=16K
RPM=40+MM
SPM=120
PP= 2734
MW=8.8 VIS= 49
CG-36u
50
3200
0
GAMMA
150
400
200
100
50
25
50
75
100
125
150
175
MD 3214'
TVD 3213.90'
INC 0.60°
AZM 268.70°
VS -9.53'
DLS 0.39°
SH:gry,lt gry,occ blk,frm to hrd,plty,blky,flky, brit aren,amor,v slli calc
MD: 3214'
INC: 0.6°
AZM: 268.70°
TVD: 3213.87'
50
CG=43u
3300
LS: offwht, wht, gy,tan, mottl, fn grn, fnxln, Sm argil, SH:gy, ltgy,dkgy,sftfrm,blckysbblcky, plty ip,occ chnky, rthy txt
MD 3308'
TVD 3308.90'
INC 0.60°
AZM 292.10°
VS -10.34'
DLS 0.26°
MD: 3309'
INC: 0.6°
AZM: 292.10°
TVD: 3308.90'
CG=38u
CG=32u
CG=31u
50

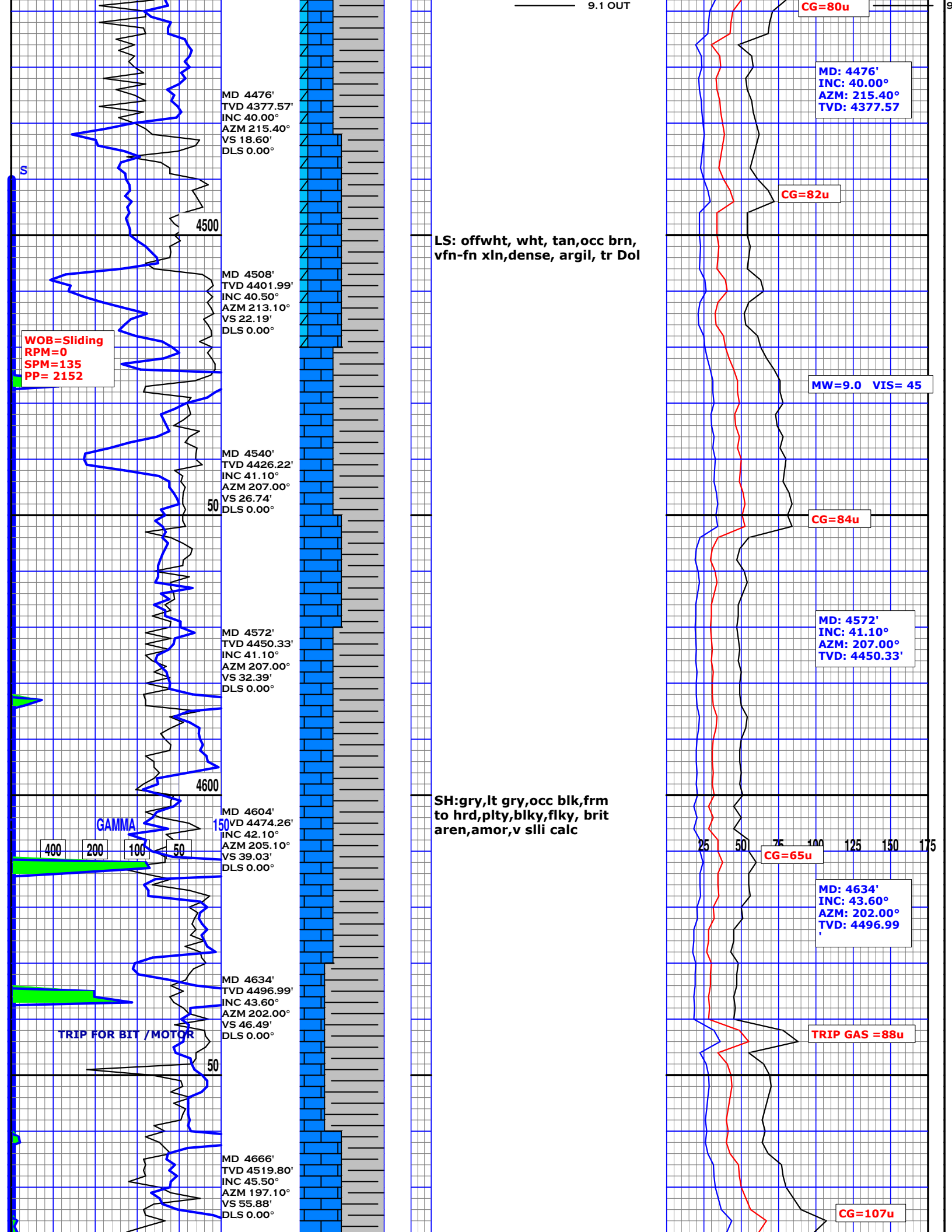

WOB=15.8K
RPM=40+MM
SPM=144
PP= 3075
3400
MD 3404'
TVD 3403.86'
INC 0.50°
AZM 271.90°
VS -11.10'
DLS 0.16°
GAMMA
400
200
100
50
150
TONKAWN
50
LS:ltgry,ltgrn,offwhtmdstn,
crptxln-micxln, sftmodfrm,
fn grn, aren ip, sliarg ip,no
fluor,no cut,tr snd
MW=9.1 VIS=45
MD: 3404'
INC: 0.50°
AZM: 271.90°
TVD: 3403.86'
25
50
75
175
CG=43u
MW=9.1 VIS= 45
3500
MD 3498'
TVD 3497.95'
INC 0.50°
AZM 271.40°
VS 0.00'
DLS 0.00°
SH:blk, drk gry,lt gry,frm
to hrd,plty,blky,flky, brit
aren,amor,slli calc,waxy
MD: 3498'
INC: 0.50°
AZM: 271.40°
TVD: 3497.95
CG=35u
WOB=16K
RPM=40+MM
SPM=120
PP= 2734
50
MW=9.1 VIS= 45

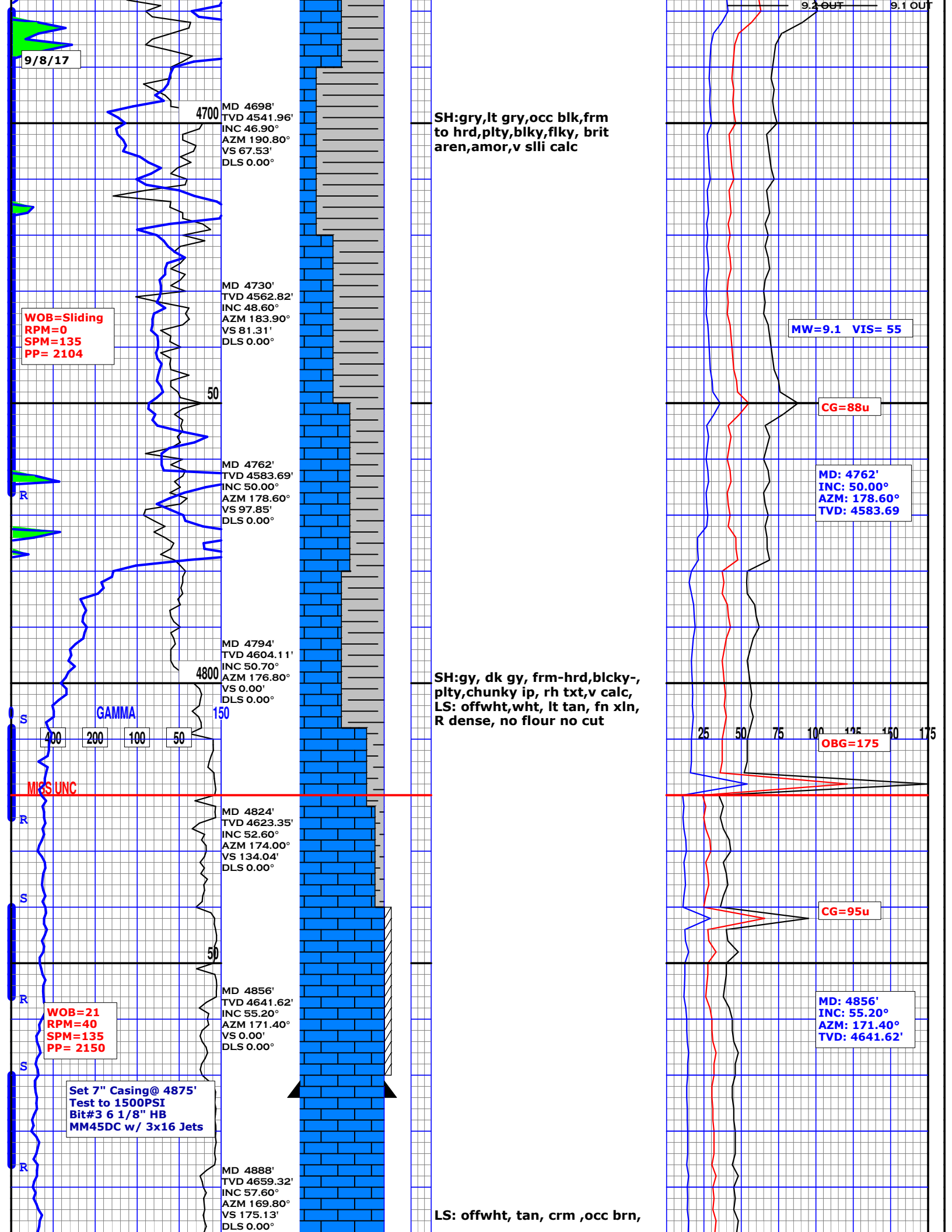

MD 3592'
TVD 3592.93'
INC 0.70°
AZM 290.30°
VS 0.00'
DLS 0.00°
3600
GAMMA
0
150
400
200
100
50
50
MD 3686'
TVD 3685.93'
INC 0.70°
AZM 288.10°
VS 0.00'
DLS 0.00°
3700
MD 3718'
TVD 3717.85'
INC 0.70°
AZM 274.70°
VS 0.00'
DLS 0.00°
KOP
S
WOB=Sliding
RPM=0
SPM=142
PP= 2130
50
MD 3748'
TVD 3748.84'
INC 2.20°
AZM 233.90°
VS 0.00'
DLS 0.00°
R
S
R
S
MD 3780'
TVD 3780.78'
INC 4.60°
AZM 226.90°
VS 0.00'
DLS 0.00°
LS: offwht, wht, gy,tan, mottl,
fn grn, fnxln, S argil,
SH: gy, ltgy, dk gy, sft-frm,
blcky-sbblcky, plty ip,sli calc
LS: lt gry,lt grn, off wht
mdstn,crptxln-micxln, sftmodfrm,
fn grn, aren ip, sliarg ip,no
fluor,no cut,tr snd
LS:ltgry,ltgrn,offwhtmdstn,
MD: 3592'
INC: 0.70°
AZM: 290.30°
TVD: 3592.93'
CG=45u
25
50
75
100
125
150
175
MD: 3686'
INC: 0.70°
AZM: 288.10°
TVD: 3685.93'
CG=45u
MW=9.2 VIS= 43
MD: 3781'
INC: 4.6°
AZM: 226.90°
TVD: 3780.78'
CG=44u

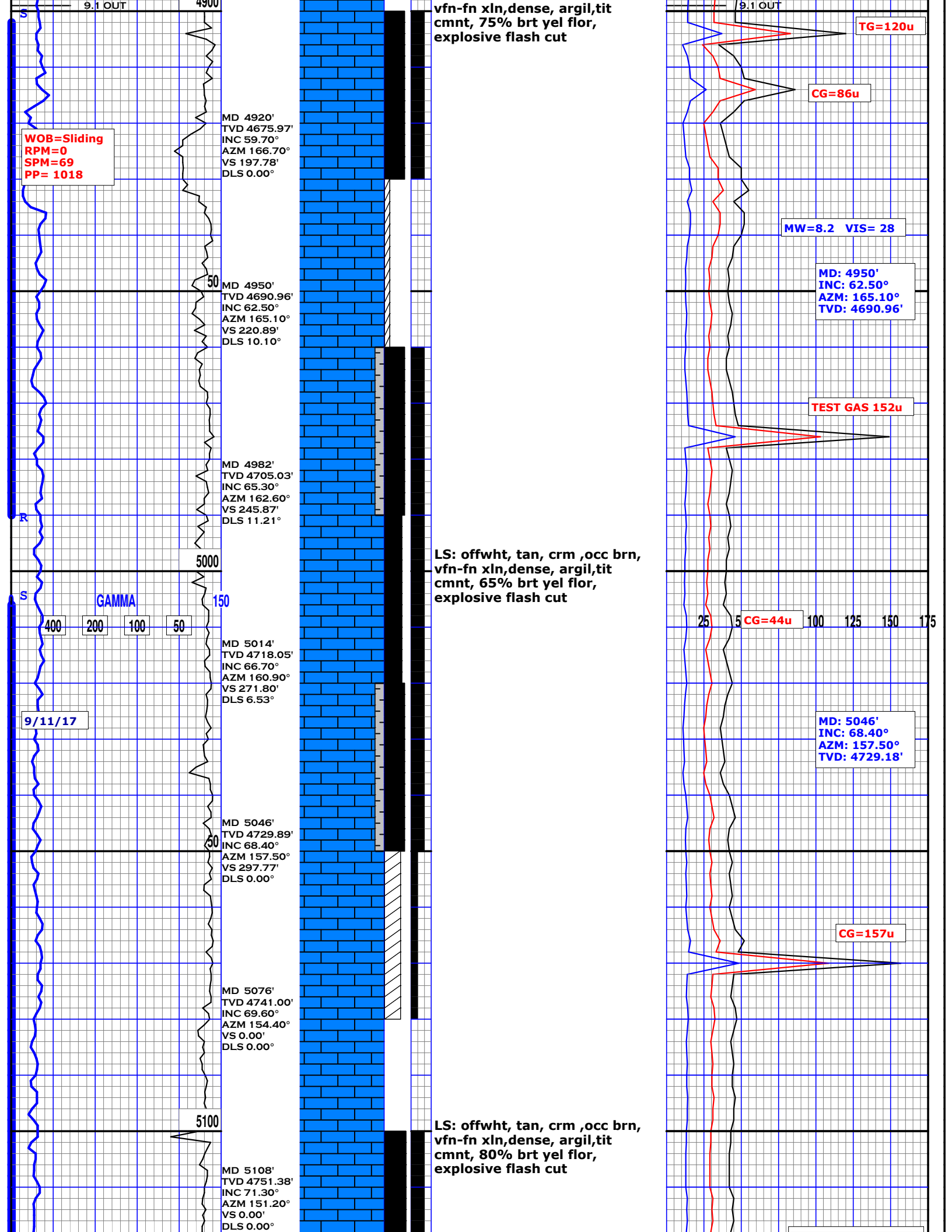

COTTAGE GROVE
3800
GAMMA
400
200
100
50
150
MD 3812'
TVD 3812.59'
INC 7.60°
AZM 226.20°
VS 0.00'
DLS 0.00°
MD 3844'
TVD 3844.18'
INC 10.80°
AZM 225.80°
VS 0.00'
DLS 0.00°
50
MD 3876'
TVD 3875.46'
INC 13.50°
AZM 226.60°
VS 0.00'
DLS 0.00°
3900
MD 3908'
TVD 3906.44'
INC 15.50°
AZM 226.50°
VS 0.00'
DLS 0.00°
9/6/17
WOB=Sliding
RPM=0
SPM=140
PP= 2778
MD 3940'
TVD 3936.14'
INC 17.80°
AZM 224.70°
VS 0.00'
DLS 0.00°
50
MD 3970'
TVD 3965.40'
INC 20.70°
AZM 221.90°
VS 0.00'
DLS 0.00°
4000
MD 4002'
TVD 3995.02'
INC 23.70°
AZM 220.10°
VS 0.00'
DLS 0.00°
GAMMA
400
200
100
50
150
crptxln-micxln, sftmodfrm, fn grn, aren ip, sliarg ip,no fluor,no cut,tr snd
LS: ofwht, wht, tan, occ brn, vfn-fn xln,dense, argil, SH: gy,occ blck, plty, frm-hrd rthy txt,sli calc
SH: gy, dk gy, frm-sft,blckycky,plty,chunky ip, rh txt, v calc, LS: offwht,wht, lt tan, fn xln,dense
25
50
75
100
125
150
175
CG=28u
MD: 3877'
INC: 13.5°
AZM: 226.60°
TVD: 3875.46
CG=34u
MW=9.1 VIS= 48
CG=38u
MD: 3971'
INC: 20.7°
AZM: 221.90°
TVD: 3965.40
25
50
75
100
125
150
175
CG=38u

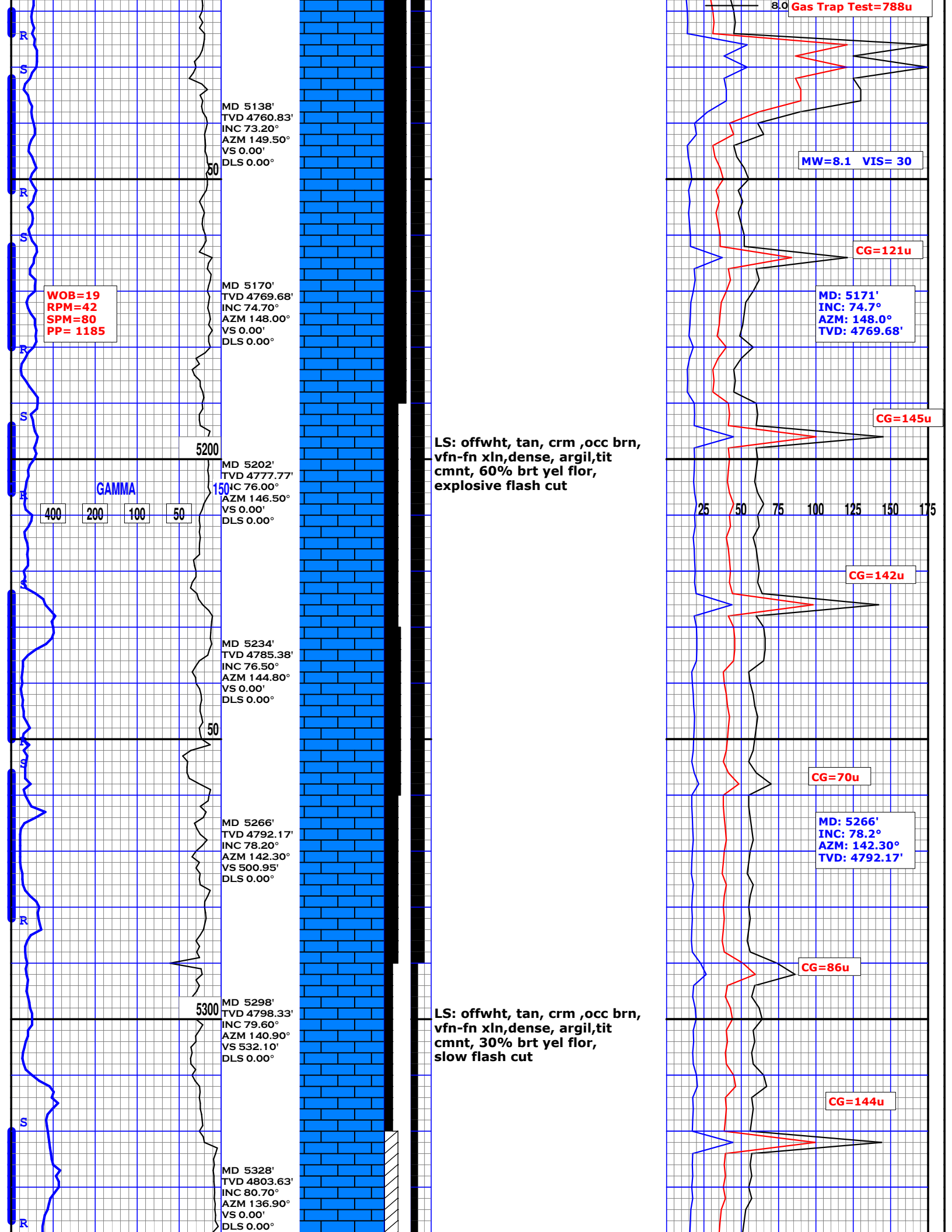

9.1 OUT
50
MD 4066'
TVD 4051.51'
INC 28.60°
AZM 219.30°
VS 0.00'
DLS 0.00°
4100
MD 4098'
TVD 4079.29'
INC 30.90°
AZM 219.00°
VS 0.00'
DLS 0.00°
MD 4128'
TVD 4105.61'
INC 32.90°
AZM 218.40°
VS 0.00'
DLS 0.00°
WOB=Sliding
RPM=0
SPM=142
PP= 2130
50
MD 4160'
TVD 4131.40'
INC 34.50°
AZM 218.00°
VS -7.28'
DLS 0.00°
MD 4192'
TVD 4164.82'
INC 35.40°
AZM 217.80°
VS -5.25'
DLS 0.00°
4200
GAMMA
150
400
200
100
50
MD 4224'
TVD 4183.55'
INC 36.40°
AZM 217.30°
VS -3.06'
DLS 0.00°
LS: offwht, wht, crmocc brn, vfn-fn xln,dense, argil,tit cmnt, dul yel flo
SH: gy,occ blck, blcky plty, sme chnky, rthy
SH: gy, dk gy, frm-sft,blckycky,plty,chunky ip, rh txt,v calc, LS: offwht,wht, lt tan fn xln,dense
MD: 4066'
INC: 28.60°
AZM: 219.30°
TVD: 4051.51'
CG=100u
MW=9.1 VIS= 52
MD: 4160'
INC: 34.50°
AZM: 218.00°
TVD: 4131.40'
CG=70u
25
50
75
100
125
150
175
CG=80u

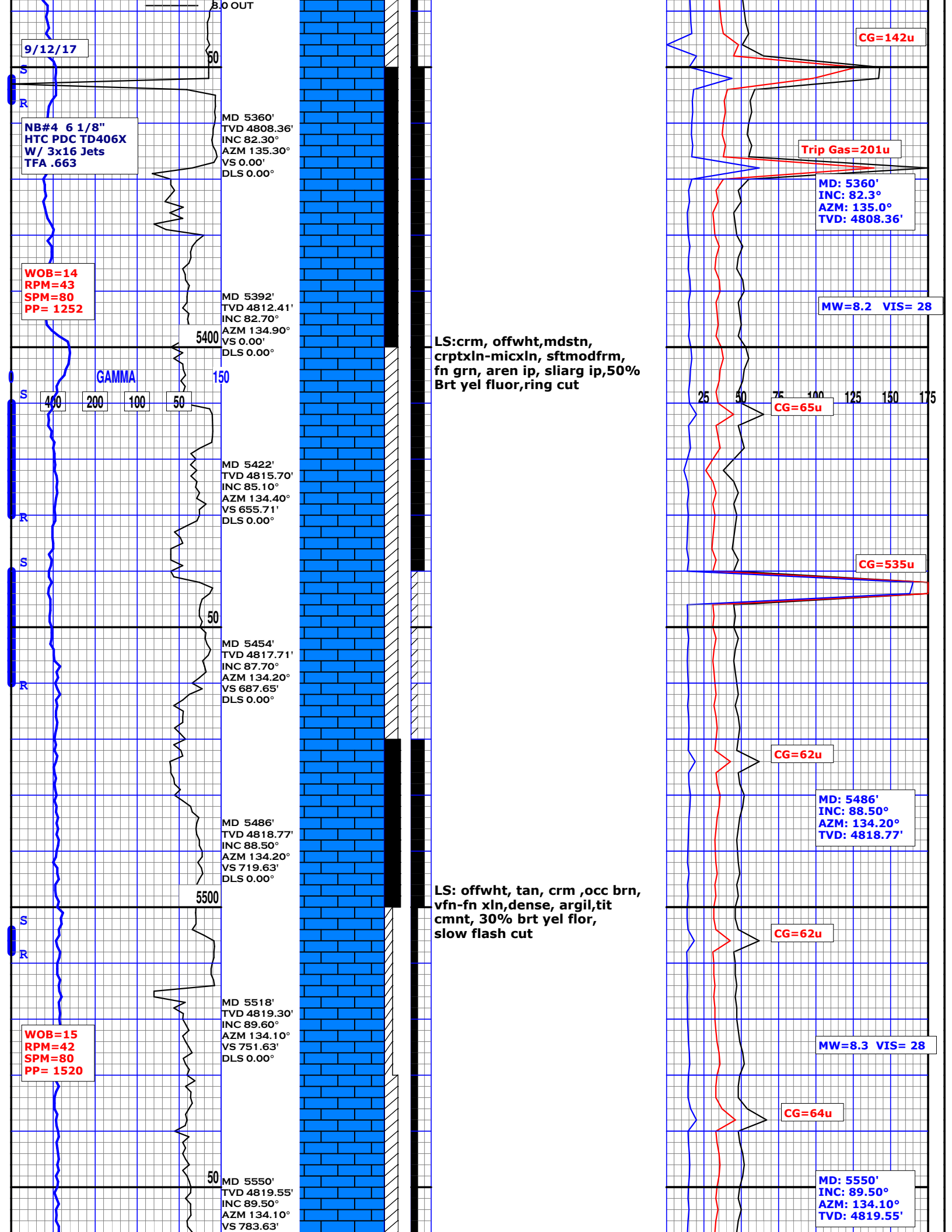

50
MD 4254'
TVD 4208.27'
INC 37.80°
AZM 217.20°
VS -0.78'
DLS 0.00°
R
MD 4286'
TVD 4233.25'
INC 39.60°
AZM 217.20°
VS 1.67'
DLS 0.00°
R
4300
LS: offwht, wht, tan,occ brn,
vfn-fn xln,dense, argil,
SH: gy,occ blck, blcky-sbblcky
plty, sme chnky, rthy txt,
WOB=Sliding
RPM=0
SPM=135
PP= 2129
MD 4318'
TVD 4257.03'
INC 40.20°
AZM 216.90°
VS 4.16'
DLS 0.00°
MD 4348'
TVD 4280.67'
INC 40.40°
AZM 216.70°
VS 6.76'
DLS 0.00°
50
CHEROKEE
MD 4380'
TVD 4305.08'
INC 40.20°
AZM 216.30°
VS 9.55'
DLS 0.00°
4400
SH:gy, dk gy, frm-hrd,blcky-,
plty,chunky ip, rh txt,v calc,
LS: offwht,wht, lt tan, fn xln,
R dense,
0
GAMMA
150
400
200
100
50
MD 4412'
TVD 4328.72'
INC 40.40°
AZM 216.00°
VS 12.38'
DLS 0.00°
9/7/17
MD 4444'
TVD 4353.11'
INC 40.30°
AZM 215.50°
VS 15.44'
DLS 0.00°
50
MD: 4254'
INC: 37.80°
AZM: 217.20°
TVD: 4208.27
CG=48u
MW=9.2 VIS= 56
CG=55u
MD: 4349'
INC: 40.40°
AZM: 216.70°
TVD: 4280.67
CG=64u
25
50
75
100
125
150
175
CG=82u

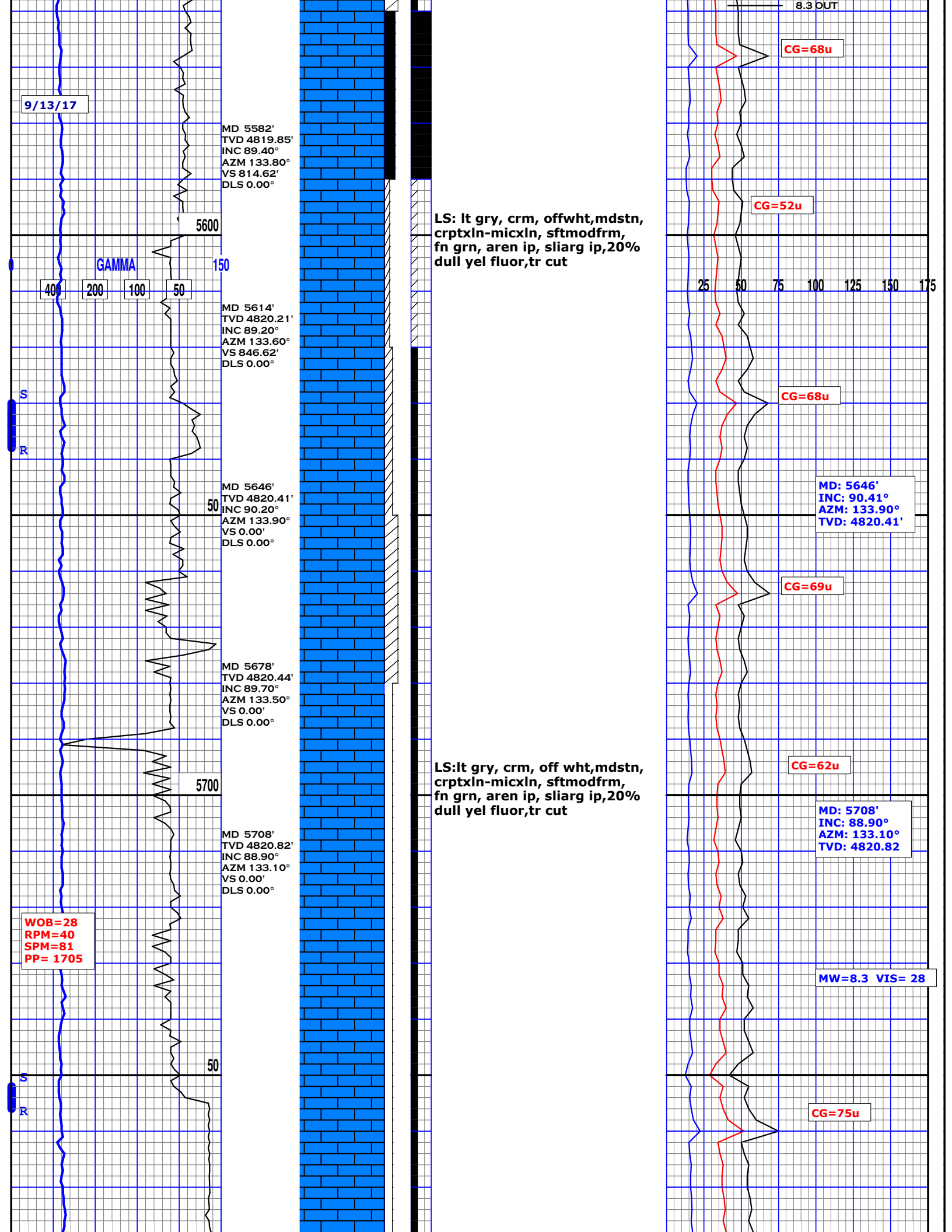

9.1 OUT
CG=80u
MD: 4476'
INC: 40.00°
AZM: 215.40°
TVD: 4377.57
MD 4476'
TVD 4377.57'
INC 40.00°
AZM 215.40°
VS 18.60'
DLS 0.00°
S
4500
CG=82u
LS: offwht, wht, tan,occ brn,
vfn-fn xln,dense, argil, tr Dol
MD 4508'
TVD 4401.99'
INC 40.50°
AZM 213.10°
VS 22.19'
DLS 0.00°
WOB=Sliding
RPM=0
SPM=135
PP= 2152
MW=9.0 VIS= 45
MD 4540'
TVD 4426.22'
INC 41.10°
AZM 207.00°
VS 26.74'
DLS 0.00°
50
CG=84u
MD: 4572'
INC: 41.10°
AZM: 207.00°
TVD: 4450.33'
MD 4572'
TVD 4450.33'
INC 41.10°
AZM 207.00°
VS 32.39'
DLS 0.00°
4600
SH:gry,lt gry,occ blk,frm
to hrd,plty,blky,flky, brit
aren,amor,v slli calc
GAMMA
150
400
200
100
50
MD 4604'
TVD 4474.26'
INC 42.10°
AZM 205.10°
VS 39.03'
DLS 0.00°
25
50
75
100
125
150
175
CG=65u
MD: 4634'
INC: 43.60°
AZM: 202.00°
TVD: 4496.99
'
MD 4634'
TVD 4496.99'
INC 43.60°
AZM 202.00°
VS 46.49'
DLS 0.00°
TRIP FOR BIT /MOTOR
TRIP GAS =88u
50
MD 4666'
TVD 4519.80'
INC 45.50°
AZM 197.10°
VS 55.88'
DLS 0.00°
CG=107u

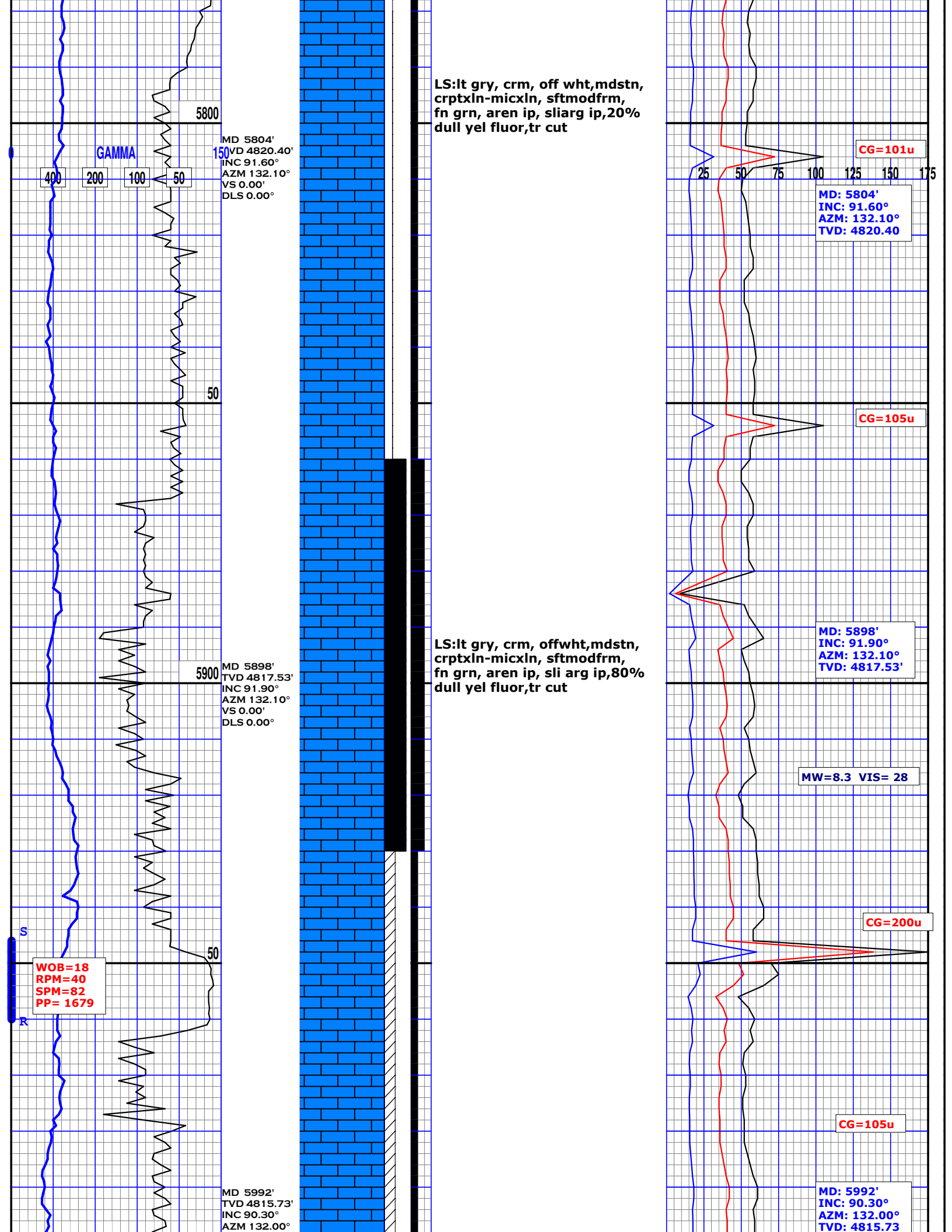

9.2 OUT
9.1 OUT
9/8/17
4700
MD 4698'
TVD 4541.96'
INC 46.90°
AZM 190.80°
VS 67.53'
DLS 0.00°
SH:gry,lt gry,occ blk,frm to hrd,plty,blky,flky, brit aren,amor,v slli calc
MD 4730'
TVD 4562.82'
INC 48.60°
AZM 183.90°
VS 81.31'
DLS 0.00°
WOB=Sliding
RPM=0
SPM=135
PP= 2104
MW=9.1 VIS= 55
50
CG=88u
MD 4762'
TVD 4583.69'
INC 50.00°
AZM 178.60°
VS 97.85'
DLS 0.00°
MD: 4762'
INC: 50.00°
AZM: 178.60°
TVD: 4583.69
R
MD 4794'
TVD 4604.11'
INC 50.70°
AZM 176.80°
VS 0.00'
DLS 0.00°
4800
SH:gy, dk gy, frm-hrd,blcky-, plty,chunky ip, rh txt,v calc, LS: offwht,wht, lt tan, fn xln, R dense, no flour no cut
S
GAMMA
150
400
200
100
50
25
50
75
100
125
150
175
OBG=175
MRS UNC
MD 4824'
TVD 4623.35'
INC 52.60°
AZM 174.00°
VS 134.04'
DLS 0.00°
R
S
50
CG=95u
MD 4856'
TVD 4641.62'
INC 55.20°
AZM 171.40°
VS 0.00'
DLS 0.00°
MD: 4856'
INC: 55.20°
AZM: 171.40°
TVD: 4641.62'
R
WOB=21
RPM=40
SPM=135
PP= 2150
S
Set 7" Casing@ 4875'
Test to 1500PSI
Bit#3 6 1/8" HB
MM45DC w/ 3x16 Jets
R
MD 4888'
TVD 4659.32'
INC 57.60°
AZM 169.80°
VS 175.13'
DLS 0.00°
LS: offwht, tan, crm ,occ brn,

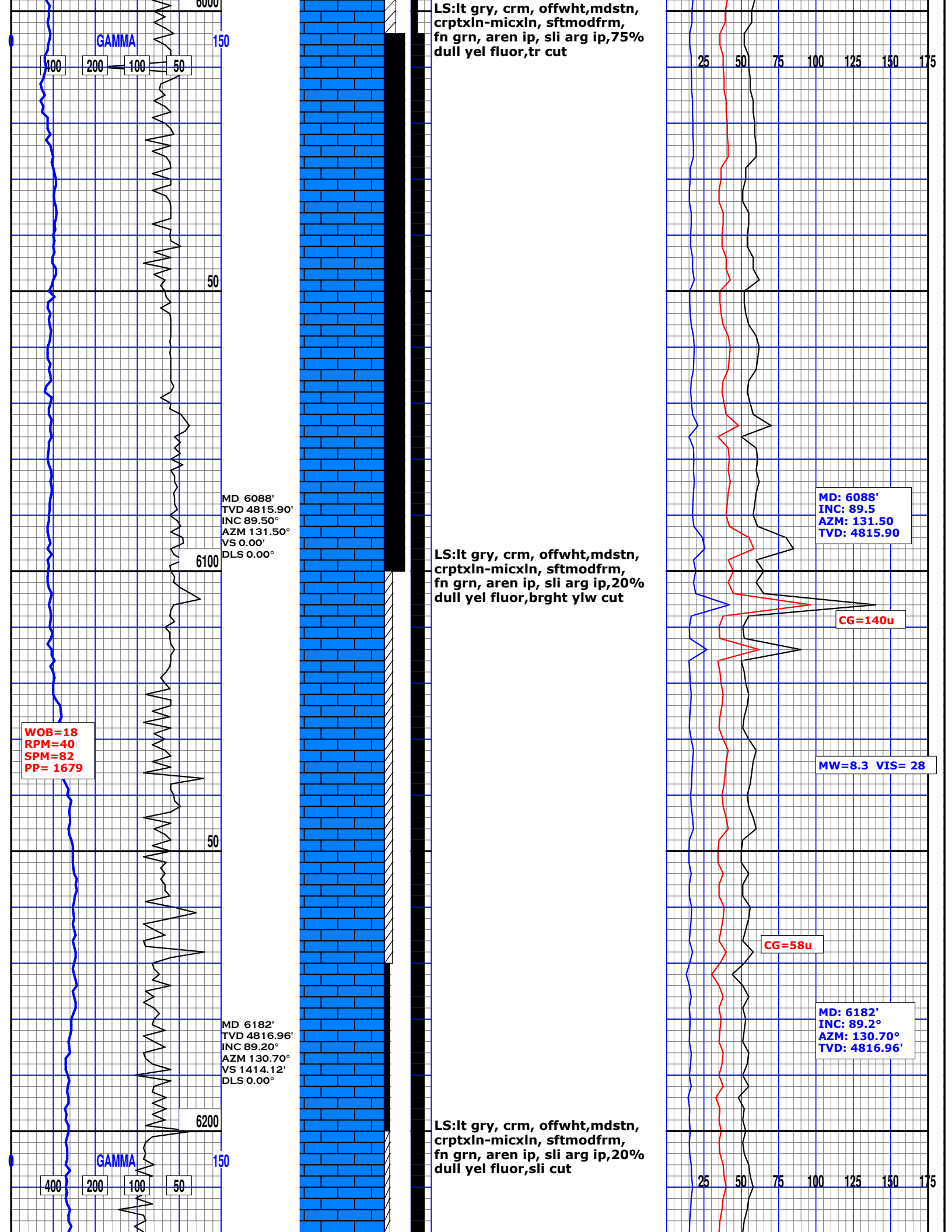

9.1 OUT
4900
S
WOB=Sliding
RPM=0
SPM=69
PP= 1018
MD 4920'
TVD 4675.97'
INC 59.70°
AZM 166.70°
VS 197.78'
DLS 0.00°
vfn-fn xln,dense, argil,tit cmnt, 75% brt yel flor, explosive flash cut
TG=120u
CG=86u
MW=8.2 VIS= 28
50
MD 4950'
TVD 4690.96'
INC 62.50°
AZM 165.10°
VS 220.89'
DLS 10.10°
MD: 4950'
INC: 62.50°
AZM: 165.10°
TVD: 4690.96'
TEST GAS 152u
MD 4982'
TVD 4705.03'
INC 65.30°
AZM 162.60°
VS 245.87'
DLS 11.21°
R
5000
LS: offwht, tan, crm ,occ brn, vfn-fn xln,dense, argil,tit cmnt, 65% brt yel flor, explosive flash cut
S
GAMMA
150
400
200
100
50
25
5
CG=44u
100
125
150
175
MD 5014'
TVD 4718.05'
INC 66.70°
AZM 160.90°
VS 271.80'
DLS 6.53°
9/11/17
MD: 5046'
INC: 68.40°
AZM: 157.50°
TVD: 4729.18'
MD 5046'
TVD 4729.89'
INC 68.40°
AZM 157.50°
VS 297.77'
DLS 0.00°
50
CG=157u
MD 5076'
TVD 4741.00'
INC 69.60°
AZM 154.40°
VS 0.00'
DLS 0.00°
5100
LS: offwht, tan, crm ,occ brn, vfn-fn xln,dense, argil,tit cmnt, 80% brt yel flor, explosive flash cut
MD 5108'
TVD 4751.38'
INC 71.30°
AZM 151.20°
VS 0.00'
DLS 0.00°

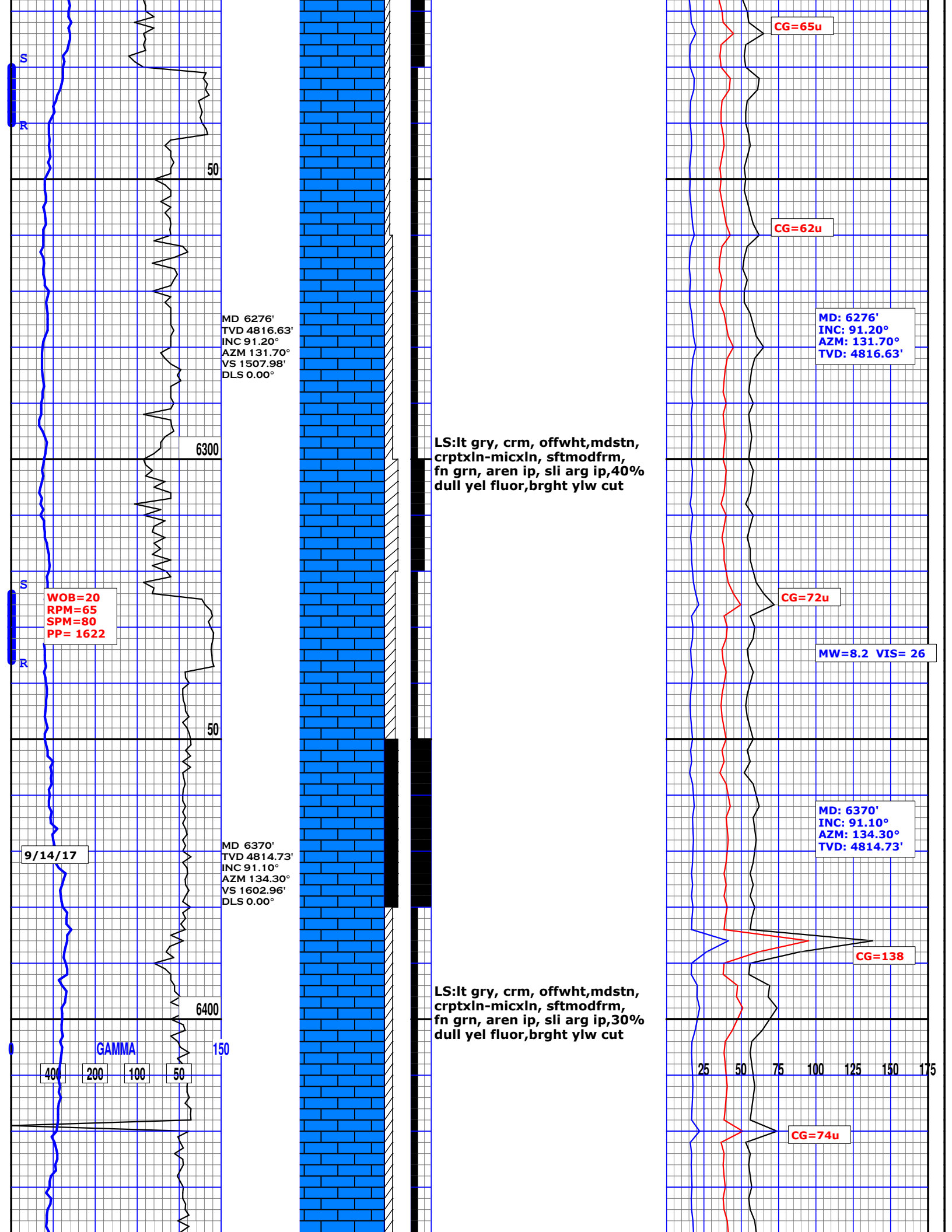

Gas Trap Test=788u
MW=8.1 VIS= 30
CG=121u
MD: 5171'
INC: 74.7°
AZM: 148.0°
TVD: 4769.68'
CG=145u
CG=142u
CG=70u
MD: 5266'
INC: 78.2°
AZM: 142.30°
TVD: 4792.17'
CG=86u
CG=144u
MD 5138'
TVD 4760.83'
INC 73.20°
AZM 149.50°
VS 0.00'
DLS 0.00°
MD 5170'
TVD 4769.68'
INC 74.70°
AZM 148.00°
VS 0.00'
DLS 0.00°
WOB=19
RPM=42
SPM=80
PP= 1185
5200
MD 5202'
TVD 4777.77'
INC 76.00°
AZM 146.50°
VS 0.00'
DLS 0.00°
GAMMA
400
200
100
50
150
MD 5234'
TVD 4785.38'
INC 76.50°
AZM 144.80°
VS 0.00'
DLS 0.00°
50
MD 5266'
TVD 4792.17'
INC 78.20°
AZM 142.30°
VS 500.95'
DLS 0.00°
5300
MD 5298'
TVD 4798.33'
INC 79.60°
AZM 140.90°
VS 532.10'
DLS 0.00°
MD 5328'
TVD 4803.63'
INC 80.70°
AZM 136.90°
VS 0.00'
DLS 0.00°
LS: offwht, tan, crm ,occ brn, vfn-fn xln,dense, argil,tit cmnt, 60% brt yel flor, explosive flash cut
LS: offwht, tan, crm ,occ brn, vfn-fn xln,dense, argil,tit cmnt, 30% brt yel flor, slow flash cut
25
50
75
100
125
150
175

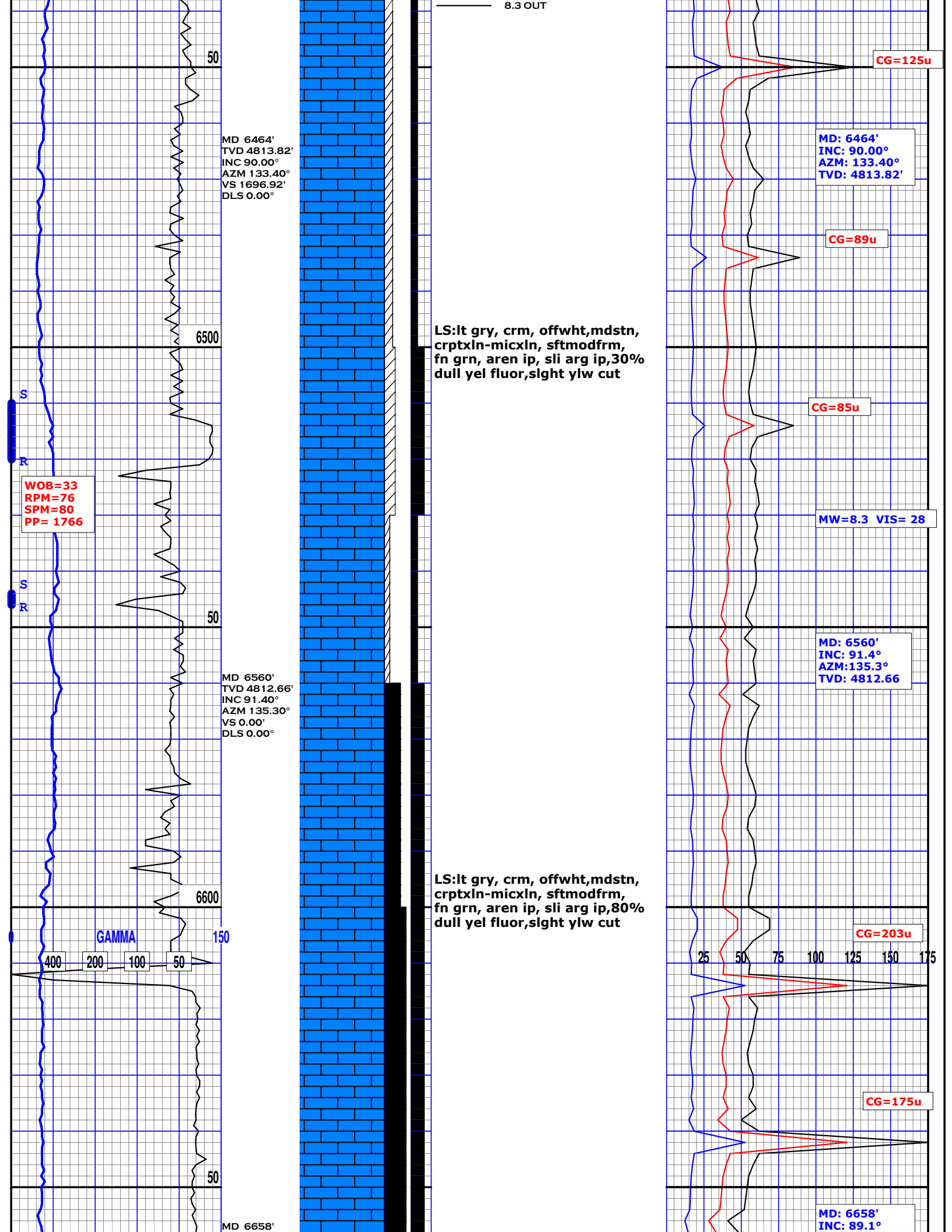

9/12/17
S
R
NB#4 6 1/8"
HTC PDC TD406X
W/ 3x16 Jets
TFA .663
WOB=14
RPM=43
SPM=80
PP= 1252
WOB=15
RPM=42
SPM=80
PP= 1520
GAMMA
400
200
100
50
150
50
5400
5500
MD 5360'
TVD 4808.36'
INC 82.30°
AZM 135.30°
VS 0.00'
DLS 0.00°
MD 5392'
TVD 4812.41'
INC 82.70°
AZM 134.90°
VS 0.00'
DLS 0.00°
MD 5422'
TVD 4815.70'
INC 85.10°
AZM 134.40°
VS 655.71'
DLS 0.00°
MD 5454'
TVD 4817.71'
INC 87.70°
AZM 134.20°
VS 687.65'
DLS 0.00°
MD 5486'
TVD 4818.77'
INC 88.50°
AZM 134.20°
VS 719.63'
DLS 0.00°
MD 5518'
TVD 4819.30'
INC 89.60°
AZM 134.10°
VS 751.63'
DLS 0.00°
MD 5550'
TVD 4819.55'
INC 89.50°
AZM 134.10°
VS 783.63'
LS:crm, offwht,mdstn,
crptxln-micxln, sftmodfrm,
fn grn, aren ip, sliarg ip,50%
Brt yel fluor,ring cut
LS: offwht, tan, crm ,occ brn,
vfn-fn xln,dense, argil,tit
cmnt, 30% brt yel flor,
slow flash cut
CG=142u
Trip Gas=201u
MD: 5360'
INC: 82.3°
AZM: 135.0°
TVD: 4808.36'
MW=8.2 VIS= 28
25
50
75
100
125
150
175
CG=65u
CG=535u
CG=62u
MD: 5486'
INC: 88.50°
AZM: 134.20°
TVD: 4818.77'
CG=62u
MW=8.3 VIS= 28
CG=64u
MD: 5550'
INC: 89.50°
AZM: 134.10°
TVD: 4819.55'

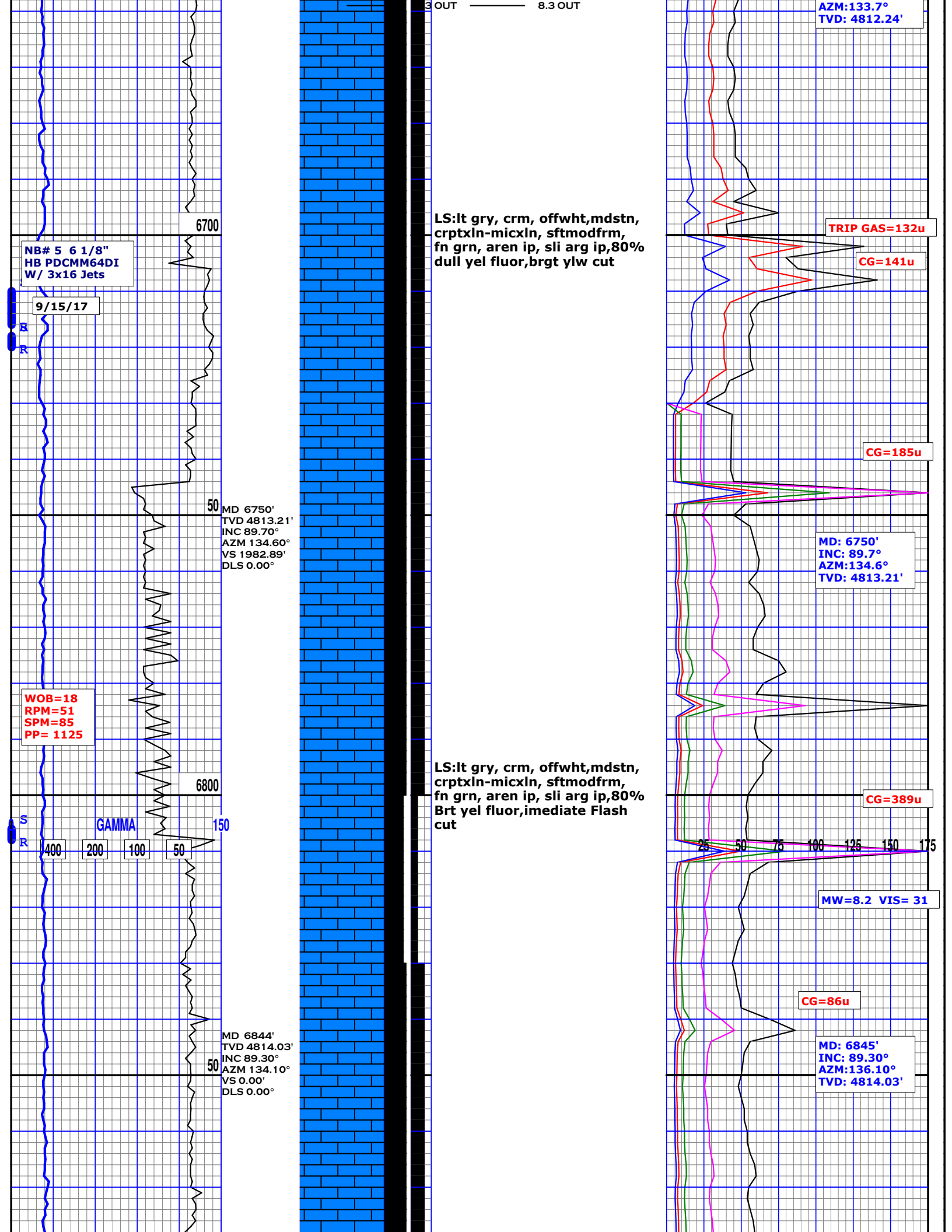

9/13/17
MD 5582'
TVD 4819.85'
INC 89.40°
AZM 133.80°
VS 814.62'
DLS 0.00°
5600
0
GAMMA
150
400
200
100
50
MD 5614'
TVD 4820.21'
INC 89.20°
AZM 133.60°
VS 846.62'
DLS 0.00°
S
R
MD 5646'
TVD 4820.41'
INC 90.20°
AZM 133.90°
VS 0.00'
DLS 0.00°
50
MD 5678'
TVD 4820.44'
INC 89.70°
AZM 133.50°
VS 0.00'
DLS 0.00°
5700
MD 5708'
TVD 4820.82'
INC 88.90°
AZM 133.10°
VS 0.00'
DLS 0.00°
WOB=28
RPM=40
SPM=81
PP= 1705
50
S
R
LS: lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sliarg ip,20% dull yel fluor,tr cut
LS:lt gry, crm, off wht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sliarg ip,20% dull yel fluor,tr cut
8.3 OUT
CG=68u
CG=52u
25
50
75
100
125
150
175
CG=68u
MD: 5646'
INC: 90.41°
AZM: 133.90°
TVD: 4820.41'
CG=69u
CG=62u
MD: 5708'
INC: 88.90°
AZM: 133.10°
TVD: 4820.82
MW=8.3 VIS= 28
CG=75u

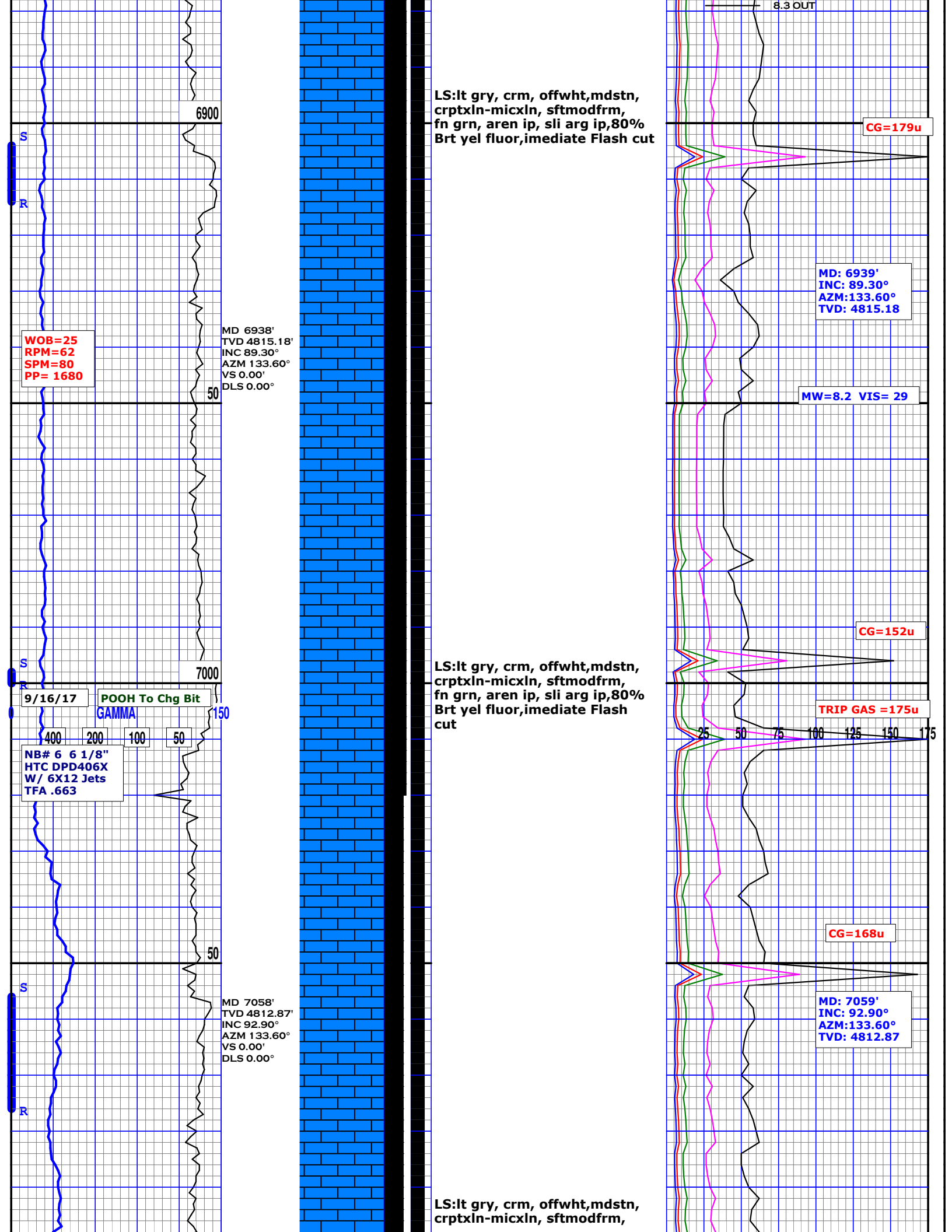

5800
GAMMA
0
150
400
200
100
50
MD 5804'
TVD 4820.40'
INC 91.60°
AZM 132.10°
VS 0.00'
DLS 0.00°
50
LS:lt gry, crm, off wht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sliarg ip,20% dull yel fluor,tr cut
CG=101u
25
50
75
100
125
150
175
MD: 5804'
INC: 91.60°
AZM: 132.10°
TVD: 4820.40
CG=105u
5900
MD 5898'
TVD 4817.53'
INC 91.90°
AZM 132.10°
VS 0.00'
DLS 0.00°
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,80% dull yel fluor,tr cut
MD: 5898'
INC: 91.90°
AZM: 132.10°
TVD: 4817.53'
MW=8.3 VIS= 28
S
50
WOB=18
RPM=40
SPM=82
PP= 1679
R
CG=200u
CG=105u
MD 5992'
TVD 4815.73'
INC 90.30°
AZM 132.00°
MD: 5992'
INC: 90.30°
AZM: 132.00°
TVD: 4815.73

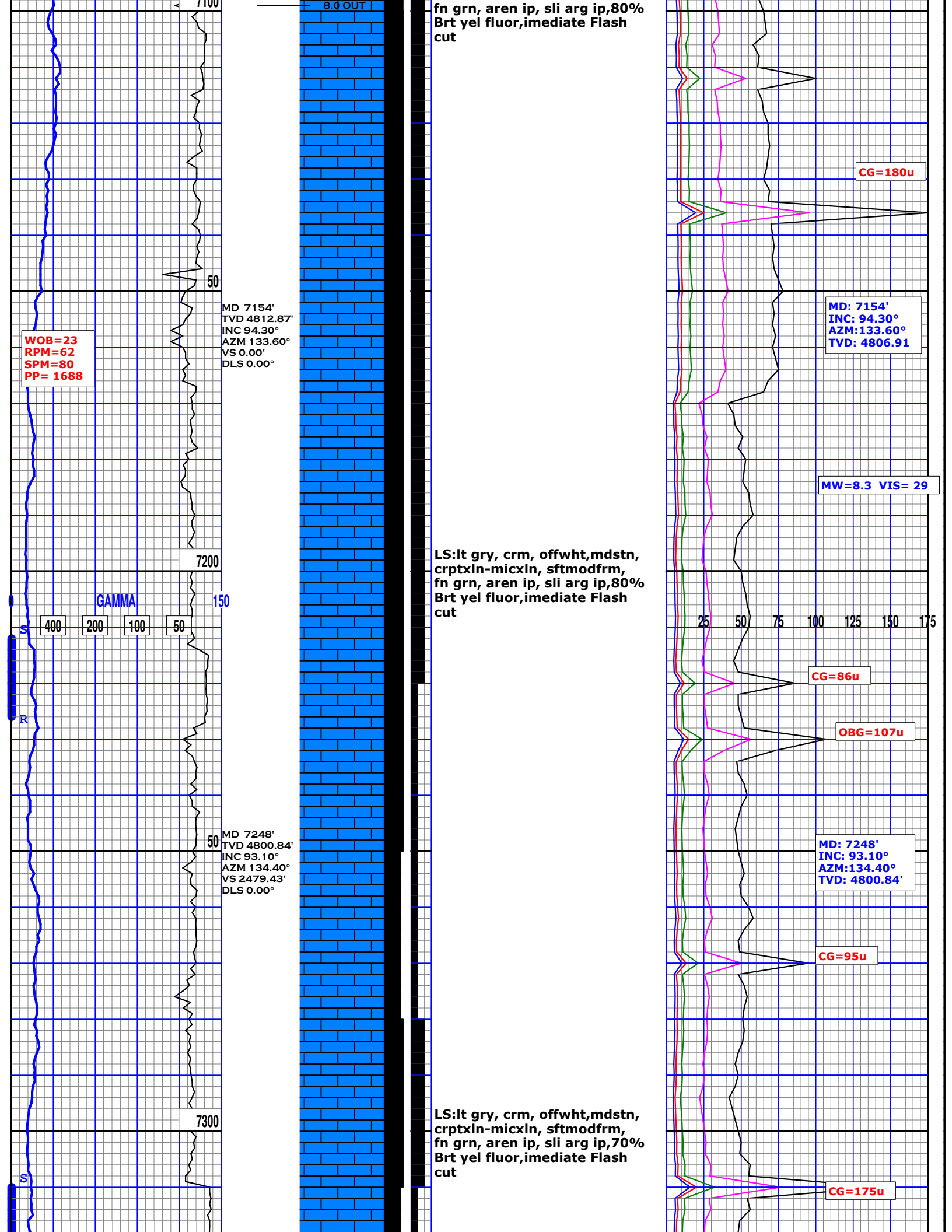

GAMMA
0
150
400
200
100
50
6000
50
6100
50
6200
GAMMA
0
150
400
200
100
50
MD 6088'
TVD 4815.90'
INC 89.50°
AZM 131.50°
VS 0.00'
DLS 0.00°
MD 6182'
TVD 4816.96'
INC 89.20°
AZM 130.70°
VS 1414.12'
DLS 0.00°
WOB=18
RPM=40
SPM=82
PP= 1679
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,75% dull yel fluor,tr cut
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,20% dull yel fluor,brght ylw cut
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,20% dull yel fluor,sli cut
25
50
75
100
125
150
175
MD: 6088'
INC: 89.5
AZM: 131.50
TVD: 4815.90
CG=140u
MW=8.3 VIS= 28
CG=58u
MD: 6182'
INC: 89.2°
AZM: 130.70°
TVD: 4816.96'
25
50
75
100
125
150
175

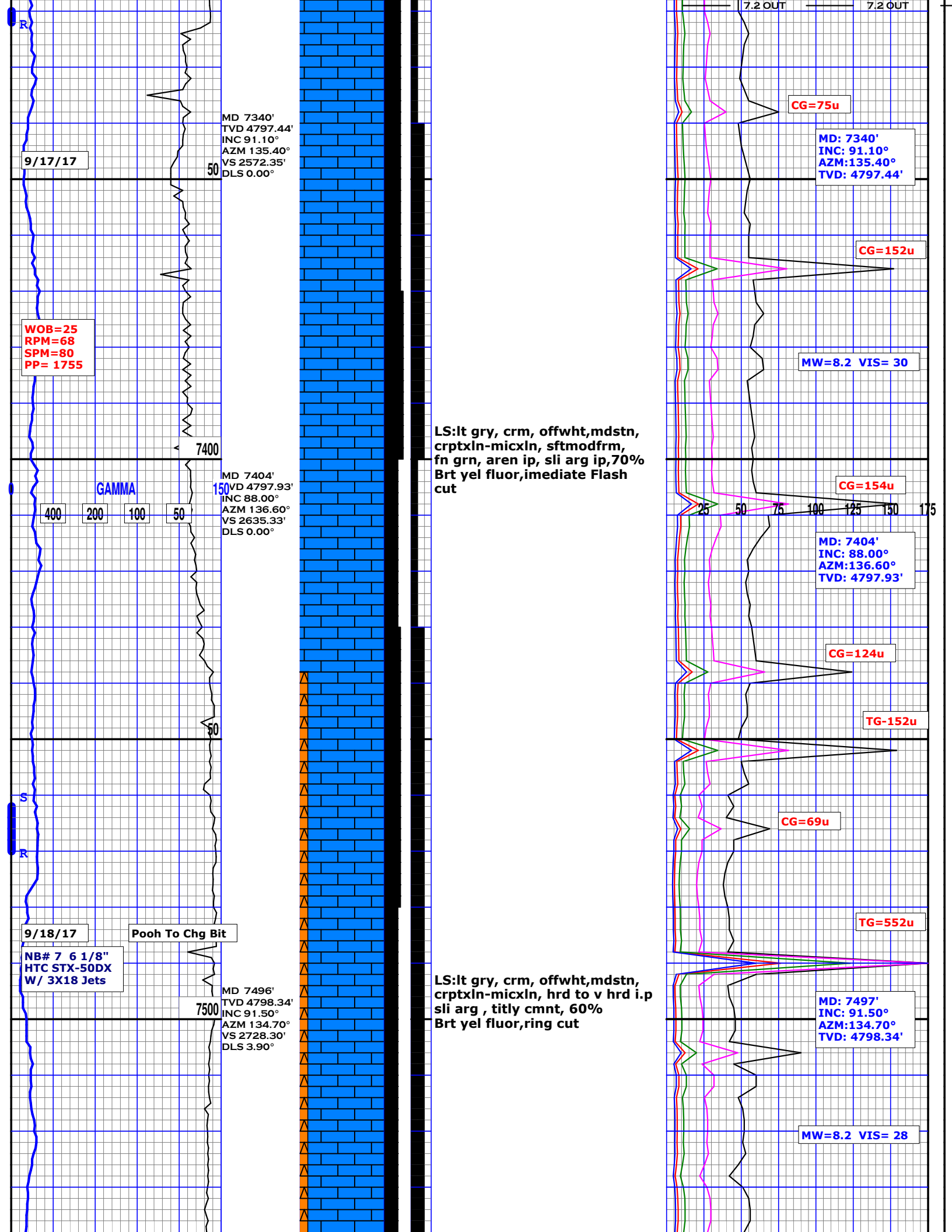

S
R
50
MD 6276'
TVD 4816.63'
INC 91.20°
AZM 131.70°
VS 1507.98'
DLS 0.00°
6300
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,40% dull yel fluor,brght ylw cut
S
WOB=20
RPM=65
SPM=80
PP= 1622
R
50
9/14/17
MD 6370'
TVD 4814.73'
INC 91.10°
AZM 134.30°
VS 1602.96'
DLS 0.00°
6400
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,30% dull yel fluor,brght ylw cut
0
GAMMA
150
400
200
100
50
CG=65u
CG=62u
MD: 6276'
INC: 91.20°
AZM: 131.70°
TVD: 4816.63'
CG=72u
MW=8.2 VIS= 26
MD: 6370'
INC: 91.10°
AZM: 134.30°
TVD: 4814.73'
CG=138
25
50
75
100
125
150
175
CG=74u

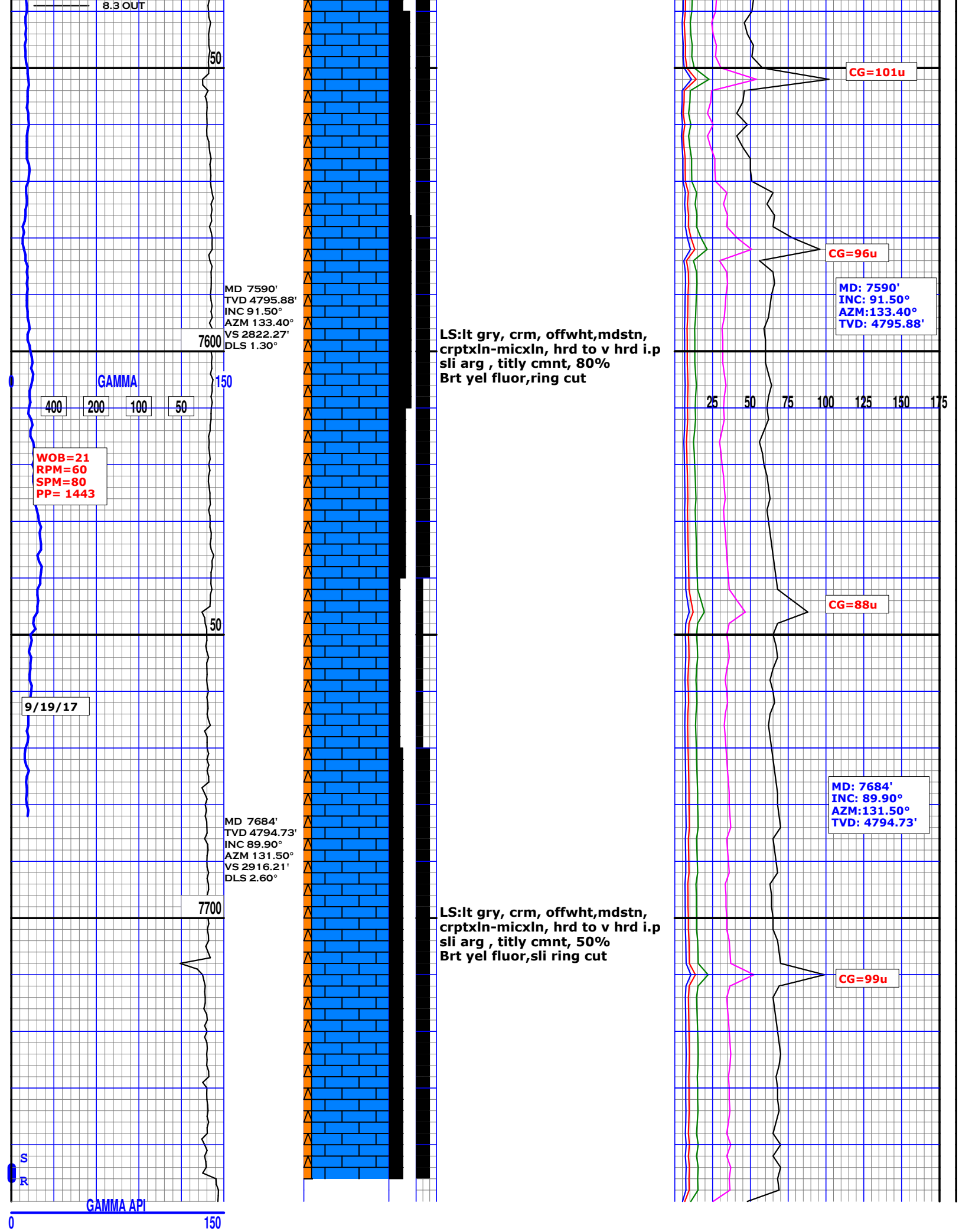

8.3 OUT
50
MD 6464'
TVD 4813.82'
INC 90.00°
AZM 133.40°
VS 1696.92'
DLS 0.00°
6500
S
R
WOB=33
RPM=76
SPM=80
PP= 1766
S
R
50
MD 6560'
TVD 4812.66'
INC 91.40°
AZM 135.30°
VS 0.00'
DLS 0.00°
6600
0
GAMMA
150
400
200
100
50
50
MD 6658'
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,30% dull yel fluor,slght ylw cut
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,80% dull yel fluor,slght ylw cut
CG=125u
MD: 6464'
INC: 90.00°
AZM: 133.40°
TVD: 4813.82'
CG=89u
CG=85u
MW=8.3 VIS= 28
MD: 6560'
INC: 91.4°
AZM:135.3°
TVD: 4812.66
CG=203u
25
50
75
100
125
150
175
CG=175u
MD: 6658'
INC: 89.1°


3 OUT
8.3 OUT
AZM:133.7°
TVD: 4812.24'
6700
NB# 5 6 1/8"
HB PDCMM64DI
W/ 3x16 Jets
9/15/17
E
R
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,80% dull yel fluor,brgt ylw cut
TRIP GAS=132u
CG=141u
CG=185u
50
MD 6750'
TVD 4813.21'
INC 89.70°
AZM 134.60°
VS 1982.89'
DLS 0.00°
MD: 6750'
INC: 89.7°
AZM:134.6°
TVD: 4813.21'
WOB=18
RPM=51
SPM=85
PP= 1125
6800
S
R
GAMMA
150
400
200
100
50
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,80% Brt yel fluor,imediate Flash cut
CG=389u
25
50
75
100
125
150
175
MW=8.2 VIS= 31
CG=86u
MD 6844'
TVD 4814.03'
INC 89.30°
AZM 134.10°
VS 0.00'
DLS 0.00°
50
MD: 6845'
INC: 89.30°
AZM:136.10°
TVD: 4814.03'


8.3 OUT
6900
S
R
WOB=25
RPM=62
SPM=80
PP= 1680
MD 6938'
TVD 4815.18'
INC 89.30°
AZM 133.60°
VS 0.00'
DLS 0.00°
50
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,80% Brt yel fluor,imediate Flash cut
CG=179u
MD: 6939'
INC: 89.30°
AZM:133.60°
TVD: 4815.18
MW=8.2 VIS= 29
7000
9/16/17
POOH To Chg Bit
GAMMA
0
150
400
200
100
50
NB# 6 6 1/8"
HTC DPD406X
W/ 6X12 Jets
TFA .663
CG=152u
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,80% Brt yel fluor,imediate Flash cut
TRIP GAS =175u
25
50
75
100
125
150
175
CG=168u
50
MD 7058'
TVD 4812.87'
INC 92.90°
AZM 133.60°
VS 0.00'
DLS 0.00°
MD: 7059'
INC: 92.90°
AZM:133.60°
TVD: 4812.87
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm,


7100
8.0 OUT
fn grn, aren ip, sli arg ip,80%
Brt yel fluor,imediate Flash
cut
CG=180u
50
MD 7154'
TVD 4812.87'
INC 94.30°
AZM 133.60°
VS 0.00'
DLS 0.00°
MD: 7154'
INC: 94.30°
AZM:133.60°
TVD: 4806.91
WOB=23
RPM=62
SPM=80
PP= 1688
MW=8.3 VIS= 29
7200
LS:lt gry, crm, offwht,mdstn,
crptxln-micxln, sftmodfrm,
fn grn, aren ip, sli arg ip,80%
Brt yel fluor,imediate Flash
cut
0
GAMMA
150
S
400
200
100
50
25
50
75
100
125
150
175
CG=86u
R
OBG=107u
50
MD 7248'
TVD 4800.84'
INC 93.10°
AZM 134.40°
VS 2479.43'
DLS 0.00°
MD: 7248'
INC: 93.10°
AZM:134.40°
TVD: 4800.84'
CG=95u
7300
LS:lt gry, crm, offwht,mdstn,
crptxln-micxln, sftmodfrm,
fn grn, aren ip, sli arg ip,70%
Brt yel fluor,imediate Flash
cut
S
CG=175u


R
9/17/17
MD 7340'
TVD 4797.44'
INC 91.10°
AZM 135.40°
VS 2572.35'
DLS 0.00°
50
WOB=25
RPM=68
SPM=80
PP= 1755
7400
GAMMA
0
150
400
200
100
50
MD 7404'
TVD 4797.93'
INC 88.00°
AZM 136.60°
VS 2635.33'
DLS 0.00°
50
S
R
9/18/17
Pooh To Chg Bit
NB# 7 6 1/8"
HTC STX-50DX
W/ 3X18 Jets
7500
MD 7496'
TVD 4798.34'
INC 91.50°
AZM 134.70°
VS 2728.30'
DLS 3.90°
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, sftmodfrm, fn grn, aren ip, sli arg ip,70% Brt yel fluor,imediate Flash cut
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, hrd to v hrd i.p sli arg , titly cmnt, 60% Brt yel fluor,ring cut
7.2 OUT
7.2 OUT
CG=75u
MD: 7340'
INC: 91.10°
AZM:135.40°
TVD: 4797.44'
CG=152u
MW=8.2 VIS= 30
CG=154u
25
50
75
100
125
150
175
MD: 7404'
INC: 88.00°
AZM:136.60°
TVD: 4797.93'
CG=124u
TG-152u
CG=69u
TG=552u
MD: 7497'
INC: 91.50°
AZM:134.70°
TVD: 4798.34'
MW=8.2 VIS= 28


8.3 OUT
50
MD 7590'
TVD 4795.88'
INC 91.50°
AZM 133.40°
VS 2822.27'
DLS 1.30°
7600
0
GAMMA
150
400
200
100
50
WOB=21
RPM=60
SPM=80
PP= 1443
50
9/19/17
MD 7684'
TVD 4794.73'
INC 89.90°
AZM 131.50°
VS 2916.21'
DLS 2.60°
7700
S
R
GAMMA API
0
150
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, hrd to v hrd i.p sli arg , titly cmnt, 80% Brt yel fluor,ring cut
LS:lt gry, crm, offwht,mdstn, crptxln-micxln, hrd to v hrd i.p sli arg , titly cmnt, 50% Brt yel fluor,sli ring cut
CG=101u
CG=96u
MD: 7590'
INC: 91.50°
AZM:133.40°
TVD: 4795.88'
25
50
75
100
125
150
175
CG=88u
MD: 7684'
INC: 89.90°
AZM:131.50°
TVD: 4794.73'
CG=99u