



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1146644

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Dorado E&P Partners, LLC
Well Name	Gaston 25-10-2 1H
Doc ID	1146644

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	Stg 1, 4 Clusters, 32 shots total	328,670 gal clean fluid, 2500 gal 15% HCl Acid, 122,500# 30/50	7950-8101.67
6	Stg 2, 4 Clusters, 32 shots total	342,564 gal clean fluid, 2500 gal 15% HCl Acid, 73500# 30/50	7660-7901.67
6	Stg 3, 4 Clusters, 32 shots total	405,258 gal clean fluid, 2500 gal 15% HCl Acid, 55230# 30/50, 46105# 20/40 CRC	7315-7586.67
6	Stg 4, 4 Clusters, 32 shots total	349,576 gal clean fluid, 2500 gal 15% HCl Acid, 122,500# 30/50, 24,000 # 20/40 CRC	6965-7236.67
6	Stg 5, 4 Clusters, 32 shots total	344,824 gal clean fluid, 2500 gal 15% HCl Acid, 122,125# 30/50, 24,000# 20/40 CRC	6615-6886.67
6	Stg 6, 4 Clusters, 32 shots total	343,354 gal clean fluid, 2500 gal 15% HCl Acid, 122,125# 30/50, 24,000# 20/40 CRC	6265-6536.67

Form	ACO1 - Well Completion
Operator	Dorado E&P Partners, LLC
Well Name	Gaston 25-10-2 1H
Doc ID	1146644

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	Stg 7, 4 Clusters, 32 shots total	329,382 gal clean fluid, 2500 gal 15% HCl Acid, 122,500# 30/50, 24,000# 20/40 CRC	5915-6186.67
6	Stg 8, 4 Clusters, 32 shots total	327,220 gal clean fluid, 2500 gal 15% HCl Acid, 122,500 # 30/50, 24,000# 20/40 CRC	5565-5836.67
6	Stg 9, 4 Clusters, 32 shots total	375,974 gal clean fluid, 2500 gal 15% HCl Acid, 122,500# 30/50, 24,000# 20/40 CRC	5215-5486.67
6	Stg 10, 4 Clusters, 32 shots total	315,148 gal clean fluid, 2500 gal 15% HCl Acid, 122,500# 30/50, 24,000# 20/40 CRC	4865-5136.67
6	Stg 11, 4 Clusters, 32 shots total	338,776 gal clean fluid, 2500 gal 15% HCl Acid, 122,500# 30/50, 24,000# 20/40 CRC	4515-4786.67
6	Stg 12, 5 Clusters, 32 shots total	342,788 gal clean fluid, 4032 gal 15% HCl Acid, 131,880# 30/50, 24,160# 20/40 CRC	4115-4436.33

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

August 29, 2013

Tina Miller  
Dorado E&P Partners, LLC  
1401 17TH ST., STE 1500  
DENVER, CO 80202

Re: ACO1  
API 15-155-21645-01-00  
Gaston 25-10-2 1H  
NW/4 Sec.02-25S-10W  
Reno 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,  
Tina Miller

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer Dorado F and Partners, LLC	Lease No.	Date 3-21-13
Lease Gaston 25-10-2	Well # 1 H	
Field Order # 8070	Station Pratt, Kansas	Casing 1 7/8 36lb
Type Job C.N.W. - Surface	Depth 421 Feet	County Reno
	Formation	State Kansas
		Legal Description 2-255-10W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 1 7/8 36lb/ft.	Tubing Size 1 1/2 17.5 lb/ft.	Shots/Ft	100sacks	A-con Blend cement	ent with 32	RATE	PRESS	ISIP
Depth 421 Feet	Depth	From	To	12.6 Lb/Gal.	Max	11.89 Gal./stk.	2.12	5 Min. 25 FT./stk.
Volume 32.5 Bbl.	Volume	From	To	100sacks common cement	Min	5.23 Gal./stk.	1.20	10 Min. 25 FT./stk.
Max Press 300 P.S.I.	Max Press	From	To	15.6 Lb/Gal.	Avg			15 Min.
Well Connection Plug Control	Annulus Vol. liner	From	To		HHP Used			Annulus Pressure
Plug Depth 379 Feet	Packer Depth	From	To	Flush 29.3 Bbl. Fresh Water	Gas Volume			Total Load

Customer Representative James Flud	Station Manager David Scott	Treater Clarence R. Messich
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Service Units	37,216	19,903	19,905	19,960	21,010				
Driver Names	Messich	Martel	Gibson						

Time (A.M.)	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					Trucks on location and hold safety meeting.
11:15					Dulte Drilling start to run Guide Shoe; Shoe Joint with Auto-Fill Baffle screwed into Collar and a total of 10 Joints new 36lb/ft. 9 5/8" casing. A Centralizer was installed on collars #12, 3 and #4.
12:40					Casing in well. Circulate for 5 minutes
12:50	200			5	Start Fresh water Pre-Flush.
	200		10	5	Start mixing 100sacks A-con Blend cement.
	200		47	5	Start mixing 100sacks common cement.
	0		68		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
1:11	100			5	Start Fresh Water Displacement.
1:20	300		29.3		Plug down.
					Open release. Insert held. Circ. cont to cellar.
					Wash up pump truck. Watch cellar for 15 minutes
2:30					Job complete.
					Thank You
					Clarence Mike Aaron

Customer	DORADO E & P	Lease No	PARTNERS, LLC	Date	4-4-13		
Lease	GASTON 25-10-2	Well #	IH				
Field Order #	7337	Station	PRATT, KS.	Casing	5 1/2	Depth	8335
Type Job	CNW - LOWSTRAINING	Formation	TD-8526	County	RENO	State	KS.
				Legal Description	2-25-10		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5 1/2							
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad-	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	LEONARD	Station Manager	SCOTTY	Treater	GORDLEY 4-19826
Service Units	19907-35887-283	78982-78983	77686-75768	73596	
Driver Names	KC KL STEVE	J.A.	ML		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1700					ON LOCATION 4-4-13 5 1/2 CASING STACK OUT WITH 47 JTS. LEFT TO RUN. BREATH PERC AND WORK CASING UP & DOWN CASING WILL GO ABOUT 1 JT PER HOUR
2100					RELEASE CREW - WC WHEN THEY NEED US.
1230					4-5-13 LEONARD CALL TO SAY CASING AT 8335' ABOUT 190' OFF BOTTOM AND WE WOULD CEMENT IT THERE.
1345					ON LOCATION 4-5-13 RIP UP TRUCKS SAFETY MEETING  NEXT PAGE

Customer	DORADO E & P MINING, LLC			Lease No.		Date	4-5-13	
Lease	GIBSTON 25-10-2			Well #	1/H			
Field Order #	Station	Casing	Depth	County	State			
1337	PRATT, KS	5 1/2	8335	KEND	KS			
Type Job	ONW - LOWC STRONG			Formation	TD-8526	Legal Description	2-25-10	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	155 SK H SEW LITE	RATE	PRESS
5 1/2				Pre-Pad	1240 SK H		
Depth	Depth	From	To	Pad		Min	ISIP
8335							5 Min.
Volume	Volume	From	To	Flush		Max	10 Min.
Max Press	Max Press	From	To	Frac		Avg	15 Min.
Well Connection	Annulus Vol.	From	To	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Gas Volume			Total Load

Customer Representative: LEONARD Station Manager: SCOTTY Treater: GORDLEY

Service Units								
Driver Names								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1500					PSI TEST Pump & LINE - 5000#
1505	400		18	6 1/2	Pump 18 bbl. MUD FLUSH
	400		5	6 1/2	Pump 5 bbl. H2O SPACER
	400		47	6 1/2	Pump 155 SKKS H SEW LITE CEMENT - 65/35 PPT. 6% GEL, .5% CFR, .25% DEFORMER, .1% WCA-1, AT 13 PPT, 1.73 CFT/SK, 9 gal H2O/SK
	400		294	6 1/2	Pump 1240 SKKS H CEMENT 10% SALT, .5% CFR, .25% DEFORMER, .5% LOW FLOW LOSS, .1% WCA-1, AT 15.6 PPT, 1.24 CFT/SK, 5.4 gal H2O/SK
					STOP - WASH Pump & LINE CLEAN WITH SUCR H2O DROP PLUG
1610	0		0	4	START DISPLACE PUC WITH 2% KCL H2O AND SUCR IN FIRST 10 bbl. DISPLACEMENT
	200		10	6	START KCL H2O DISP
	500		50	9	CAUGHT UP FT PSI
	1400		183	4	SLOW RATE
1630	2000		193		PUMP DOWN - RELEASE - HOLD
1635	3800			4	BURST DISK AT 3800



Customer: DODANO E.P. FRACTURES US Date: 4-5-13  
 Lease: (5-ASTON) 25-10-2 Well #: 1-H  
 Field Order: 1737 Station: GRAN KS Casing: 5 1/2 Depth: 8335 County: REWD State: KS  
 Type Job: CWW - LONG STRONG Formation: \_\_\_\_\_ Legal Description: 2-25-10

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<u>5 1/2</u>		From	To	Pre Pad	Max		5 Min.
<u>8335</u>	Depth	From	To	Pad	Min		10 Min.
	Volume	From	To	Frac	Avg		15 Min.
Max Press	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth	Packer Depth	From	To				

Customer Representative: LEONARD Station Manager: SCOTT Treater: CORDLEY

Service Units	Driver Names

Time	Casing Pressure	Tubing Pressure	Bbls Pumped	Rate	Service Log
<u>1140</u>					<u>Flow 10 bbl sulfuric acid H<sub>2</sub>O</u>
					<u>OUT OF SMOE AT</u>
					<u>6 BPM - 1000#</u>
					<u>WASH UP TRUCK</u>
					<u>BLACK UP TRUCK</u>
<u>1730</u>					<u>JOBS COMPLETE</u>
					<u>THANKS - KEVIN</u>

# **DORADO E&P PARTNERS**

**RENO COUNTY, KANSAS (NAD 27)**

**NW. 1/4 SECTION 2 T25S R10W**

**GASTON #25-10-2-1H**

**JOB # 2009-168**

**04 April, 2013**

**Survey: FINAL SURVEYS**





Project: RENO COUNTY, KANSAS (NAD 27)  
 Site: NW. 1/4 SECTION 2 T25S R10W  
 Well: GASTON #25-10-2-1H  
 Wellbore: JOB # 2009-168  
 Design: FINAL SURVEYS

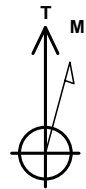


**ANNOTATIONS**

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Dep	Annotation
3354.4	3360.0	1.47	165.52	107.3	-8.1	-107.3	124.1	KOP
3854.0	4010.0	68.95	178.61	-244.5	-22.0	244.5	477.8	START OF TANGENT
3864.8	4041.0	71.05	178.07	-273.5	-21.2	273.5	506.9	END OF TANGENT
3893.9	4275.0	90.18	179.97	-504.5	-16.2	504.5	737.9	HZ LANDING POINT
3905.8	8526.0	89.47	180.70	-4753.4	14.4	4753.4	4988.6	EXTRAPOLATION TO TD

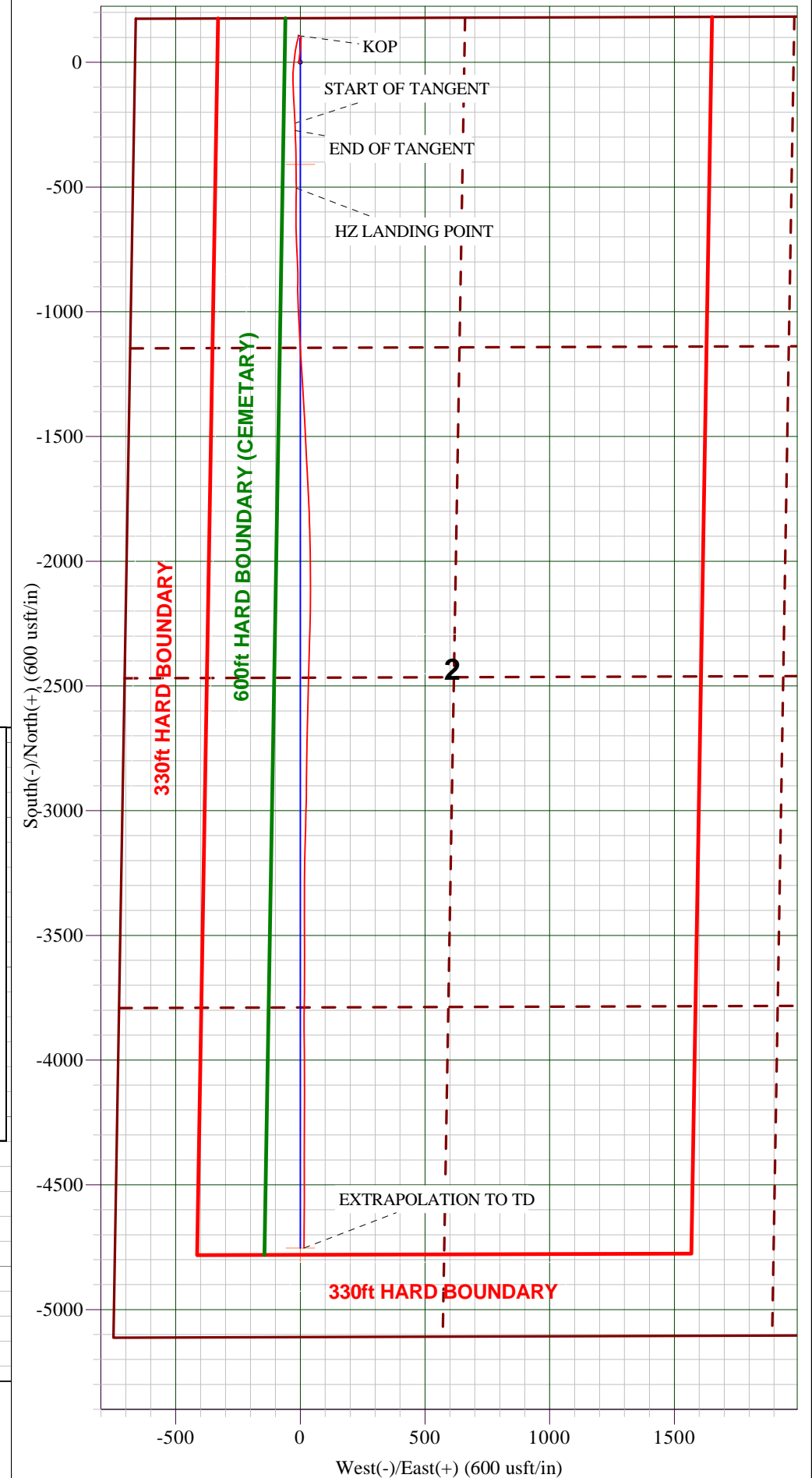
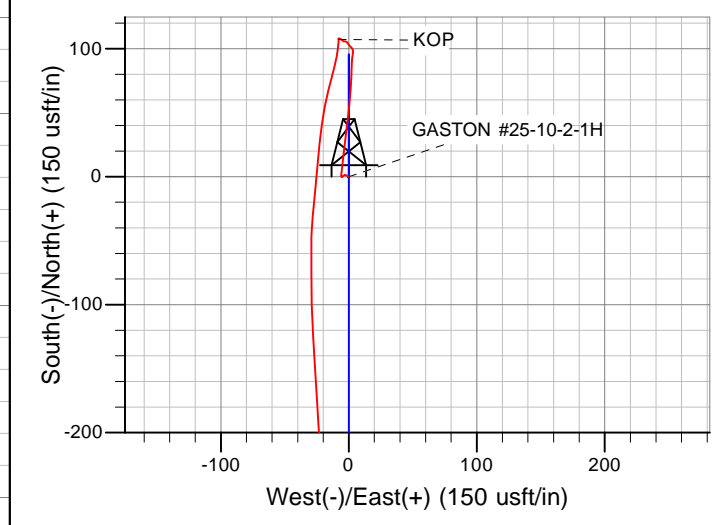
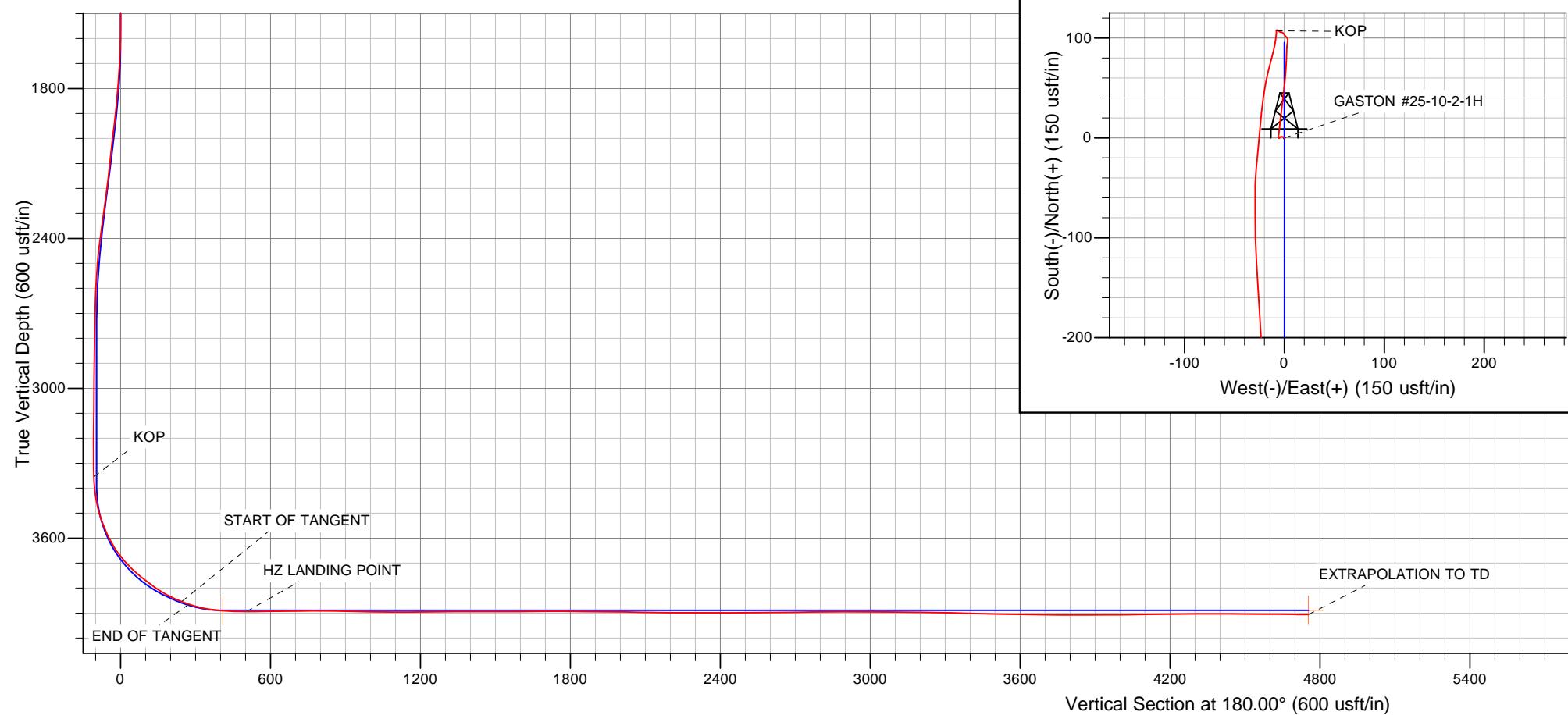
PROPOSED LOCAL COORDINATES:  
 SURF (SEC.2) 175' FNL 660' FWL

HARD BOUNDARIES:  
 BHL FALLS 30ft N of the 330ft HARD BOUNDARY



Azimuths to True North  
 Magnetic North: 4.74°

Magnetic Field  
 Strength: 52190.8snT  
 Dip Angle: 65.85°  
 Date: 04/03/2013  
 Model: IGRF2010



# Survey Report



<b>Company:</b>	DORADO E&P PARTNERS	<b>Local Co-ordinate Reference:</b>	Well GASTON #25-10-2-1H
<b>Project:</b>	RENO COUNTY, KANSAS (NAD 27)	<b>TVD Reference:</b>	KB-EST @ 1764.0usft
<b>Site:</b>	NW. 1/4 SECTION 2 T25S R10W	<b>MD Reference:</b>	KB-EST @ 1764.0usft
<b>Well:</b>	GASTON #25-10-2-1H	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB # 2009-168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	RENO COUNTY, KANSAS (NAD 27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Kansas South 1502		Using geodetic scale factor

<b>Site</b>	NW. 1/4 SECTION 2 T25S R10W		
<b>Site Position:</b>		<b>Northing:</b>	453,218.35 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,029,926.28 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16"
		<b>Latitude:</b>	37° 54' 40.810 N
		<b>Longitude:</b>	98° 23' 46.568 W
		<b>Grid Convergence:</b>	0.06 °

<b>Well</b>	GASTON #25-10-2-1H		
<b>Well Position</b>	<b>+N-S</b>	0.0 usft	<b>Northing:</b> 453,218.35 usft
	<b>+E-W</b>	0.0 usft	<b>Easting:</b> 2,029,926.28 usft
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b> usft
			<b>Latitude:</b> 37° 54' 40.810 N
			<b>Longitude:</b> 98° 23' 46.568 W
			<b>Ground Level:</b> 1,752.0 usft

<b>Wellbore</b>	JOB # 2009-168		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>
	IGRF2010	04/03/2013	4.74
			<b>Dip Angle (°)</b> 65.85
			<b>Field Strength (nT)</b> 52,191

<b>Design</b>	FINAL SURVEYS		
<b>Audit Notes:</b>			
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL
		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N-S (usft)</b>	<b>+E-W (usft)</b>
	0.0	0.0	0.0
			<b>Direction (°)</b> 180.00

<b>Survey Program</b>	<b>Date</b>	04/04/2013		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
425.0	8,526.0	FINAL SURVEYS (JOB # 2009-168)	MWD	MWD - Standard

<b>Survey</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea 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	1,764.0	0.0	0.0	0.0	0.00	0.00	0.00
425.0	0.00	0.00	425.0	1,339.0	0.0	0.0	0.0	0.00	0.00	0.00
434.0	0.18	304.71	434.0	1,330.0	0.0	0.0	0.0	2.00	2.00	0.00
617.0	0.26	292.41	617.0	1,147.0	0.3	-0.6	-0.3	0.05	0.04	-6.72
810.0	0.44	300.32	810.0	954.0	0.9	-1.7	-0.9	0.10	0.09	4.10
995.0	0.57	274.74	995.0	769.0	1.3	-3.2	-1.3	0.14	0.07	-13.83
1,181.0	0.66	212.78	1,181.0	583.0	0.5	-4.7	-0.5	0.34	0.05	-33.31
1,367.0	0.00	94.74	1,367.0	397.0	-0.4	-5.3	0.4	0.35	-0.35	0.00
1,550.0	0.44	302.25	1,550.0	214.0	0.0	-5.9	0.0	0.24	0.24	0.00
1,611.0	1.36	6.67	1,611.0	153.0	0.8	-6.0	-0.8	2.03	1.51	105.61
1,675.0	2.77	11.16	1,674.9	89.1	3.1	-5.6	-3.1	2.22	2.20	7.02
1,737.0	4.39	5.88	1,736.8	27.2	6.9	-5.1	-6.9	2.66	2.61	-8.52
1,800.0	3.82	3.69	1,799.6	-35.6	11.4	-4.7	-11.4	0.94	-0.90	-3.48

# Survey Report



<b>Company:</b>	DORADO E&P PARTNERS	<b>Local Co-ordinate Reference:</b>	Well GASTON #25-10-2-1H
<b>Project:</b>	RENO COUNTY, KANSAS (NAD 27)	<b>TVD Reference:</b>	KB-EST @ 1764.0usft
<b>Site:</b>	NW. 1/4 SECTION 2 T25S R10W	<b>MD Reference:</b>	KB-EST @ 1764.0usft
<b>Well:</b>	GASTON #25-10-2-1H	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB # 2009-168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

## Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,862.0	5.23	5.18	1,861.4	-97.4	16.3	-4.3	-16.3	2.28	2.27	2.40
1,924.0	7.16	8.17	1,923.1	-159.1	22.9	-3.5	-22.9	3.16	3.11	4.82
1,986.0	6.72	7.03	1,984.6	-220.6	30.3	-2.5	-30.3	0.74	-0.71	-1.84
2,048.0	6.33	6.06	2,046.2	-282.2	37.3	-1.7	-37.3	0.65	-0.63	-1.56
2,110.0	6.15	5.88	2,107.9	-343.9	44.0	-1.0	-44.0	0.29	-0.29	-0.29
2,171.0	6.68	7.90	2,168.5	-404.5	50.8	-0.2	-50.8	0.94	0.87	3.31
2,233.0	7.69	5.00	2,230.0	-466.0	58.5	0.7	-58.5	1.73	1.63	-4.68
2,295.0	8.09	2.89	2,291.4	-527.4	67.0	1.3	-67.0	0.80	0.65	-3.40
2,357.0	7.69	3.51	2,352.8	-588.8	75.5	1.7	-75.5	0.66	-0.65	1.00
2,418.0	7.16	2.10	2,413.3	-649.3	83.4	2.1	-83.4	0.92	-0.87	-2.31
2,480.0	5.27	3.07	2,474.9	-710.9	90.1	2.4	-90.1	3.05	-3.05	1.56
2,542.0	4.04	9.49	2,536.7	-772.7	95.1	2.9	-95.1	2.15	-1.98	10.35
2,604.0	2.33	3.60	2,598.6	-834.6	98.5	3.4	-98.5	2.80	-2.76	-9.50
2,666.0	2.37	305.41	2,660.6	-896.6	100.5	2.4	-100.5	3.69	0.06	-93.85
2,728.0	2.24	321.06	2,722.5	-958.5	102.2	0.6	-102.2	1.03	-0.21	25.24
2,790.0	1.93	331.17	2,784.5	-1,020.5	104.0	-0.7	-104.0	0.77	-0.50	16.31
2,852.0	0.97	299.35	2,846.5	-1,082.5	105.2	-1.6	-105.2	1.96	-1.55	-51.32
2,913.0	1.14	295.57	2,907.5	-1,143.5	105.7	-2.6	-105.7	0.30	0.28	-6.20
2,975.0	0.93	247.93	2,969.5	-1,205.5	105.8	-3.7	-105.8	1.38	-0.34	-76.84
3,037.0	1.49	309.90	3,031.4	-1,267.4	106.1	-4.7	-106.1	2.15	0.90	99.95
3,099.0	1.36	317.19	3,093.4	-1,329.4	107.2	-5.9	-107.2	0.36	-0.21	11.76
3,161.0	0.97	295.13	3,155.4	-1,391.4	107.9	-6.8	-107.9	0.95	-0.63	-35.58
3,222.0	1.01	255.58	3,216.4	-1,452.4	108.0	-7.8	-108.0	1.10	0.07	-64.84
3,284.0	0.09	174.37	3,278.4	-1,514.4	107.8	-8.3	-107.8	1.61	-1.48	-130.98
3,315.0	0.31	155.56	3,309.4	-1,545.4	107.7	-8.3	-107.7	0.73	0.71	-60.68
3,347.0	0.62	149.50	3,341.4	-1,577.4	107.5	-8.2	-107.5	0.98	0.97	-18.94
<b>KOP</b>										
<b>3,360.0</b>	<b>1.47</b>	<b>165.52</b>	<b>3,354.4</b>	<b>-1,590.4</b>	<b>107.3</b>	<b>-8.1</b>	<b>-107.3</b>	<b>6.82</b>	<b>6.50</b>	<b>123.21</b>
3,378.0	2.68	170.59	3,372.4	-1,608.4	106.6	-8.0	-106.6	6.82	6.75	28.18
3,409.0	6.24	188.61	3,403.3	-1,639.3	104.3	-8.1	-104.3	12.20	11.48	58.13
3,440.0	10.24	183.07	3,434.0	-1,670.0	99.8	-8.5	-99.8	13.14	12.90	-17.87
3,471.0	12.66	192.83	3,464.3	-1,700.3	93.8	-9.4	-93.8	9.97	7.81	31.48
3,502.0	15.51	193.97	3,494.4	-1,730.4	86.4	-11.2	-86.4	9.24	9.19	3.68
3,533.0	19.03	194.50	3,524.0	-1,760.0	77.5	-13.4	-77.5	11.37	11.35	1.71
3,564.0	22.02	193.44	3,553.0	-1,789.0	67.0	-16.1	-67.0	9.72	9.65	-3.42
3,595.0	25.09	191.68	3,581.5	-1,817.5	54.9	-18.7	-54.9	10.16	9.90	-5.68
3,626.0	27.86	187.64	3,609.2	-1,845.2	41.3	-21.0	-41.3	10.65	8.94	-13.03
3,657.0	32.04	185.71	3,636.1	-1,872.1	25.9	-22.8	-25.9	13.84	13.48	-6.23
3,688.0	36.34	185.00	3,661.7	-1,897.7	8.6	-24.4	-8.6	13.93	13.87	-2.29
3,719.0	40.12	185.97	3,686.0	-1,922.0	-10.5	-26.3	10.5	12.35	12.19	3.13
3,750.0	44.30	185.09	3,709.0	-1,945.0	-31.3	-28.3	31.3	13.62	13.48	-2.84
3,781.0	46.58	180.52	3,730.8	-1,966.8	-53.3	-29.3	53.3	12.82	7.35	-14.74
3,811.0	50.10	179.29	3,750.7	-1,986.7	-75.7	-29.3	75.7	12.13	11.73	-4.10
3,842.0	53.88	179.03	3,769.8	-2,005.8	-100.1	-28.9	100.1	12.21	12.19	-0.84
3,873.0	53.13	176.57	3,788.2	-2,024.2	-125.0	-28.0	125.0	6.82	-2.42	-7.94
3,904.0	56.43	176.30	3,806.1	-2,042.1	-150.3	-26.4	150.3	10.67	10.65	-0.87
3,935.0	60.29	176.48	3,822.3	-2,058.3	-176.6	-24.7	176.6	12.46	12.45	0.58
3,966.0	64.07	177.36	3,836.8	-2,072.8	-204.0	-23.3	204.0	12.45	12.19	2.84
3,997.0	68.47	178.76	3,849.3	-2,085.3	-232.4	-22.3	232.4	14.78	14.19	4.52
<b>START OF TANGENT</b>										
<b>4,010.0</b>	<b>68.95</b>	<b>178.61</b>	<b>3,854.0</b>	<b>-2,090.0</b>	<b>-244.5</b>	<b>-22.0</b>	<b>244.5</b>	<b>3.83</b>	<b>3.68</b>	<b>-1.13</b>
4,028.0	69.61	178.41	3,860.4	-2,096.4	-261.3	-21.6	261.3	3.83	3.68	-1.13



# Survey Report



<b>Company:</b>	DORADO E&P PARTNERS	<b>Local Co-ordinate Reference:</b>	Well GASTON #25-10-2-1H
<b>Project:</b>	RENO COUNTY, KANSAS (NAD 27)	<b>TVD Reference:</b>	KB-EST @ 1764.0usft
<b>Site:</b>	NW. 1/4 SECTION 2 T25S R10W	<b>MD Reference:</b>	KB-EST @ 1764.0usft
<b>Well:</b>	GASTON #25-10-2-1H	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB # 2009-168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,849.0	89.38	181.40	3,895.8	-2,131.8	-3,076.7	21.1	3,076.7	0.45	0.34	0.29
6,911.0	89.52	181.93	3,896.4	-2,132.4	-3,138.6	19.3	3,138.6	0.88	0.23	0.85
6,973.0	89.65	181.40	3,896.9	-2,132.9	-3,200.6	17.5	3,200.6	0.88	0.21	-0.85
7,035.0	88.46	180.17	3,897.9	-2,133.9	-3,262.6	16.6	3,262.6	2.76	-1.92	-1.98
7,097.0	88.77	180.43	3,899.4	-2,135.4	-3,324.6	16.3	3,324.6	0.65	0.50	0.42
7,159.0	88.33	179.82	3,900.9	-2,136.9	-3,386.5	16.2	3,386.5	1.21	-0.71	-0.98
7,220.0	88.73	179.64	3,902.5	-2,138.5	-3,447.5	16.5	3,447.5	0.72	0.66	-0.30
7,282.0	88.81	179.20	3,903.8	-2,139.8	-3,509.5	17.1	3,509.5	0.72	0.13	-0.71
7,344.0	89.21	180.52	3,904.9	-2,140.9	-3,571.5	17.2	3,571.5	2.22	0.65	2.13
7,406.0	89.25	180.25	3,905.7	-2,141.7	-3,633.5	16.8	3,633.5	0.44	0.06	-0.44
7,468.0	88.99	180.79	3,906.7	-2,142.7	-3,695.5	16.3	3,695.5	0.97	-0.42	0.87
7,529.0	89.47	180.61	3,907.5	-2,143.5	-3,756.5	15.5	3,756.5	0.84	0.79	-0.30
7,592.0	90.35	180.35	3,907.6	-2,143.6	-3,819.5	15.0	3,819.5	1.46	1.40	-0.41
7,653.0	90.35	179.03	3,907.2	-2,143.2	-3,880.5	15.3	3,880.5	2.16	0.00	-2.16
7,715.0	90.22	179.64	3,906.9	-2,142.9	-3,942.5	16.0	3,942.5	1.01	-0.21	0.98
7,777.0	90.31	179.55	3,906.6	-2,142.6	-4,004.5	16.5	4,004.5	0.21	0.15	-0.15
7,839.0	90.70	179.99	3,906.1	-2,142.1	-4,066.5	16.7	4,066.5	0.95	0.63	0.71
7,901.0	90.79	180.17	3,905.3	-2,141.3	-4,128.4	16.6	4,128.4	0.32	0.15	0.29
7,962.0	90.92	180.26	3,904.4	-2,140.4	-4,189.4	16.4	4,189.4	0.26	0.21	0.15
8,024.0	91.14	179.91	3,903.3	-2,139.3	-4,251.4	16.3	4,251.4	0.67	0.35	-0.56
8,086.0	89.65	179.91	3,902.8	-2,138.8	-4,313.4	16.4	4,313.4	2.40	-2.40	0.00
8,148.0	89.87	180.17	3,903.1	-2,139.1	-4,375.4	16.4	4,375.4	0.55	0.35	0.42
8,210.0	89.43	179.82	3,903.5	-2,139.5	-4,437.4	16.4	4,437.4	0.91	-0.71	-0.56
8,272.0	89.60	180.08	3,904.0	-2,140.0	-4,499.4	16.4	4,499.4	0.50	0.27	0.42
8,334.0	89.69	180.26	3,904.4	-2,140.4	-4,561.4	16.2	4,561.4	0.32	0.15	0.29
8,396.0	89.64	180.43	3,904.8	-2,140.8	-4,623.4	15.9	4,623.4	0.29	-0.08	0.27
8,458.0	89.52	180.70	3,905.2	-2,141.2	-4,685.4	15.3	4,685.4	0.48	-0.19	0.44
8,482.0	89.47	180.70	3,905.4	-2,141.4	-4,709.4	15.0	4,709.4	0.21	-0.21	0.00
<b>EXTRAPOLATION TO TD</b>										
<b>8,526.0</b>	<b>89.47</b>	<b>180.70</b>	<b>3,905.8</b>	<b>-2,141.8</b>	<b>-4,753.4</b>	<b>14.4</b>	<b>4,753.4</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

# Survey Report



<b>Company:</b>	DORADO E&P PARTNERS	<b>Local Co-ordinate Reference:</b>	Well GASTON #25-10-2-1H
<b>Project:</b>	RENO COUNTY, KANSAS (NAD 27)	<b>TVD Reference:</b>	KB-EST @ 1764.0usft
<b>Site:</b>	NW. 1/4 SECTION 2 T25S R10W	<b>MD Reference:</b>	KB-EST @ 1764.0usft
<b>Well:</b>	GASTON #25-10-2-1H	<b>North Reference:</b>	True
<b>Wellbore:</b>	JOB # 2009-168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL SURVEYS	<b>Database:</b>	EDM 5000.1 Single User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
HZ LANDING PNT - C	0.00	0.00	3,889.0	-409.3	0.0	452,809.08	2,029,926.74	37° 54' 36.763 N	98° 23' 46.568 W
- survey misses target center by 17.2usft at 4179.8usft MD (3890.6 TVD, -409.4 N, -17.1 E)									
- Point									
BHL - GASTON #25-1	0.00	0.00	3,889.0	-4,753.6	0.0	448,465.04	2,029,931.57	37° 53' 53.815 N	98° 23' 46.568 W
- survey misses target center by 22.2usft at 8526.0usft MD (3905.8 TVD, -4753.4 N, 14.4 E)									
- Point									

Survey Annotations					
	Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
			+N/-S (usft)	+E/-W (usft)	
	3,360.0	3,354.4	107.3	-8.1	KOP
	4,010.0	3,854.0	-244.5	-22.0	START OF TANGENT
	4,041.0	3,864.8	-273.5	-21.2	END OF TANGENT
	4,275.0	3,893.9	-504.5	-16.2	HZ LANDING POINT
	8,526.0	3,905.8	-4,753.4	14.4	EXTRAPOLATION TO TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



**Scale: 5" / 100'**  
**Measured Depth Log**

**Well Name** Gaston 25-10-2 1H

**Location** N/2 N/2 NW NE, SECTION 2, T25S-R10W

**State** KS **County** RENO

**Country** United States **Rig Number** DUKE 20

**API Number** 15-155-21645

**Spud Date** 3/18/2013 **Drilling Completed** 4/3/2013

**Ground Elevation** 1,752 **K.B. Elevation** 1,764

**Logged Interval** 3,400 **To** 8,526 **Total Depth** 8,526

**Formation** Osage

**Operator**

**Company** Dorado E&P Partners, LLC

**Address** 1401 17th Street  
Suite #1500  
Denver, CO 80202

**Geologist**

**Name** Dave Wheeler

**Company** Dorado E&P Partners, LLC.

1401 17th Street  
Suite #1500  
Denver, CO 80202

**Other**

Mudloggers

Bobby Carl, Brian Bretton, Levi Birt

## Core Information

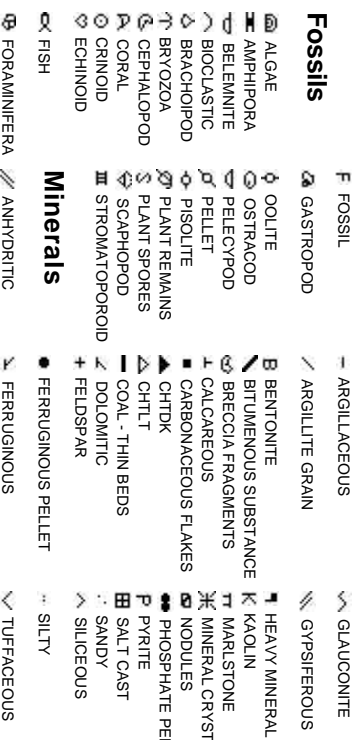
Contractor Hembras Hydrocarbons

## Other Symbols

## Rock Types



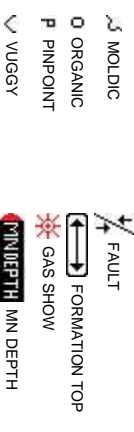
## Accessories



## Stringer



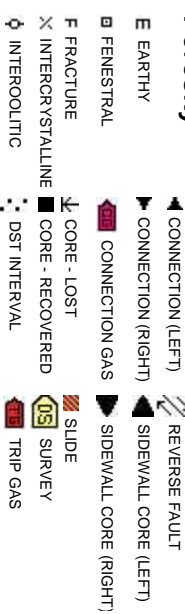
## Oil Show



## Porosity



## Engineering



## Textures

- LEFT E EARTHY

- RT F~~X~~ FINELYXLN

ES GRAINSTONE

L LITHOGRAPHIC

M~~X~~ MICROXLN

M~~S~~ MUDSTONE

P~~S~~ PACKSTONE

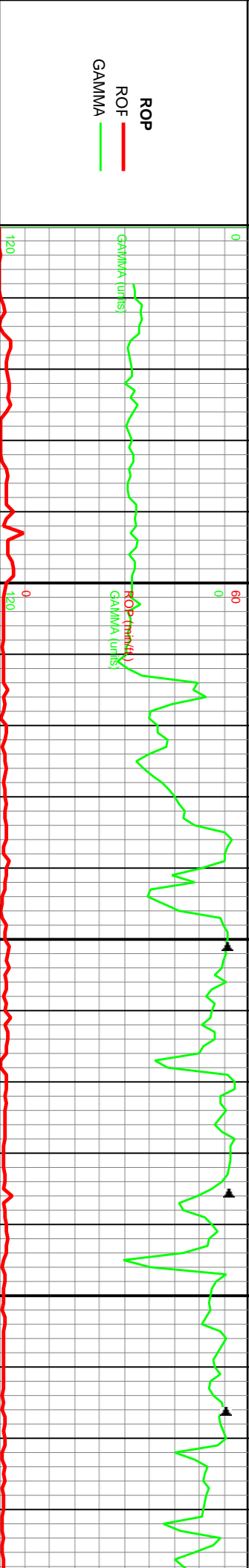
M~~S~~ WACKSTONE

### Sorting

M MODERATE

P POOR

W WELL

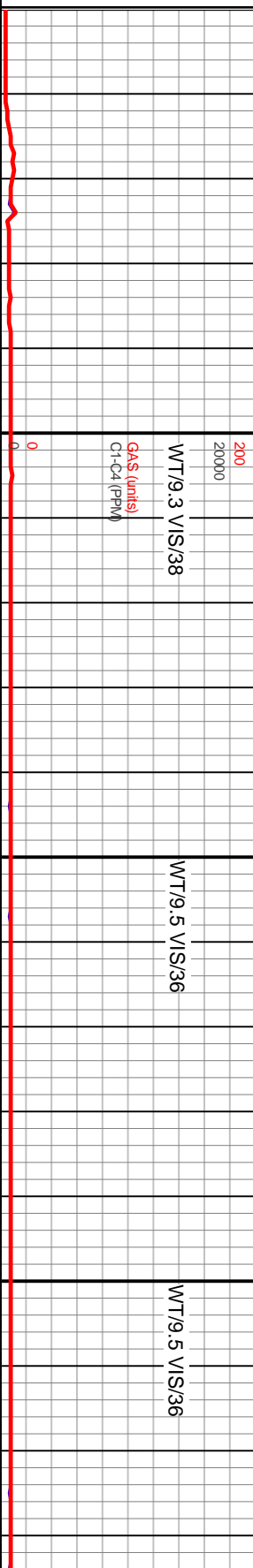


Slide/Rotate

Depth Labels: 3.360, 3.370, 3.380, 3.390, 3.400, 3.410, 3.420, 3.430, 3.440, 3.450, 3.460, 3.470, 3.480, 3.490, 3.500, 3.510, 3.520, 3.530

Total Gas & Chromatograph

- GAS
- C1
- C2
- C3
- C4



MD: 3,440'  
 TVD: 3,433.96'  
 Inclination: 10.24 °  
 Azimuth: 183.07 °

MD: 3,471'  
 TVD: 3,464.35'  
 Inclination: 12.66 °  
 Azimuth: 192.83 °

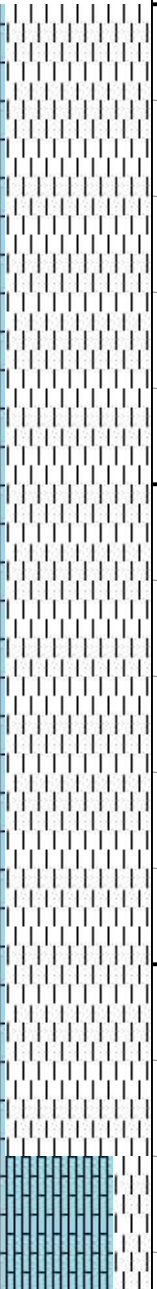
MD: 3,502'  
 TVD: 3,494.44'  
 Inclination: 15.21 °  
 Azimuth: 181.93 °

Well Bore  
 TVD



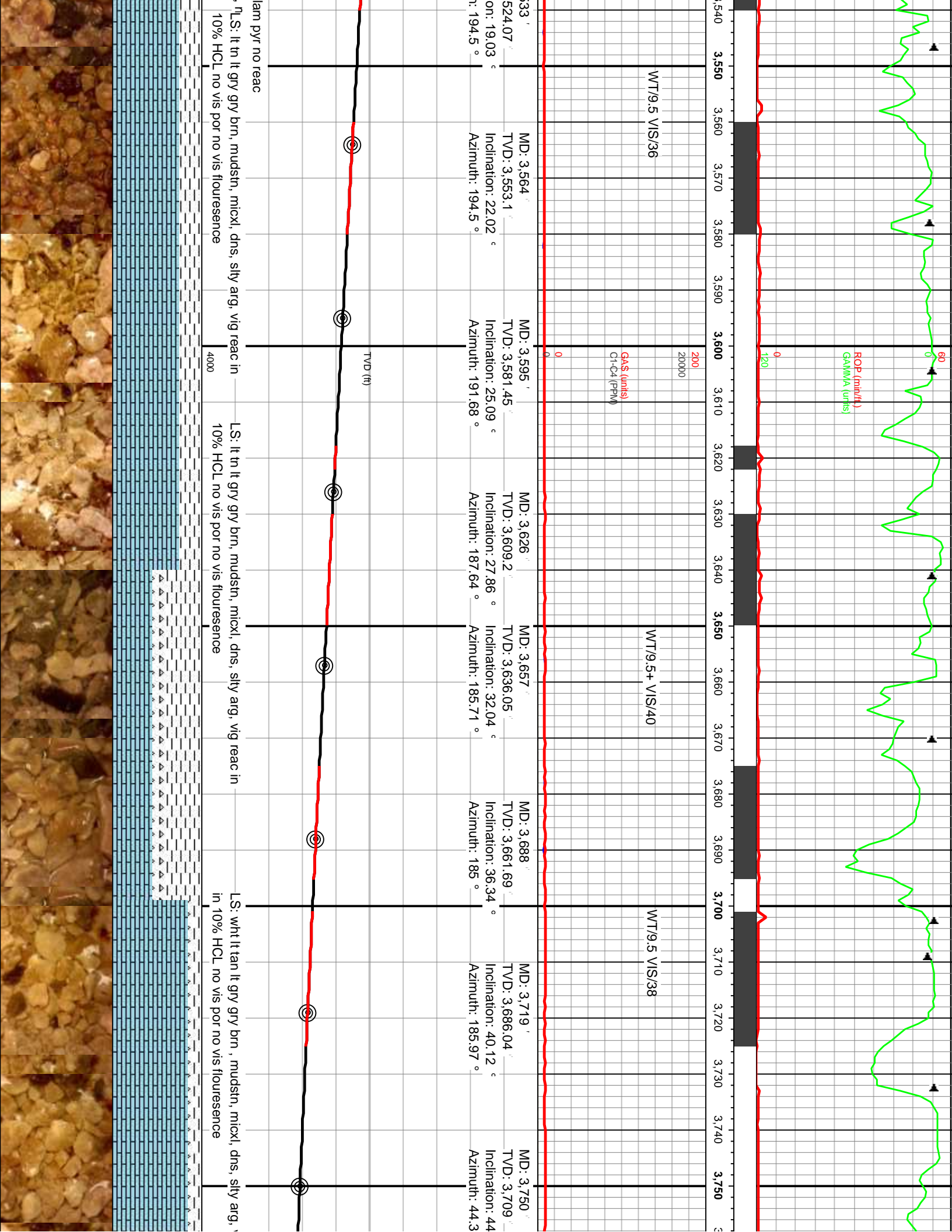
95% SH: lt gry gry dk gry, sft frm, pily, f lam, sil stly aren, tr in 10% HCL no vis por no vis flouresence: 5% LS: lt gry gry silty arg. vig reac in 10% HCL no vis por no vis flouresence

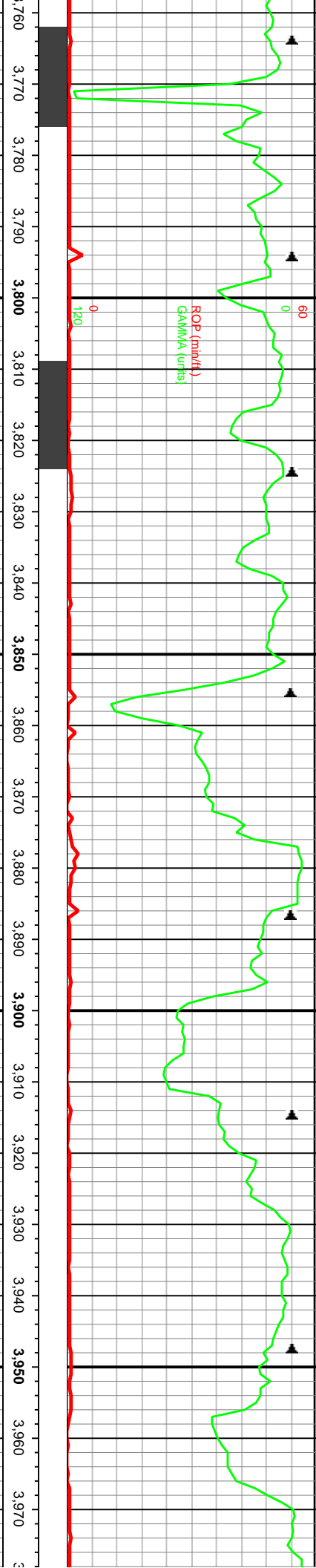
% Lith



Images







WT/9.5 VIS/38  
 GAS (units)  
 C1-C4 (PPM)

Note: Gas Test @ 3862' MD=121u

WT/9.6 VIS/35  
 NOTE: COND' PREMIX

WT/9.4 VIS/42

MD: 3,781'  
 TVD: 3,730.75'  
 Inclination: 46.58°  
 Azimuth: 180.52°

MD: 3,811'  
 TVD: 3,750.69'  
 Inclination: 50.1°  
 Azimuth: 179.29°

MD: 3,842'  
 TVD: 3,769.78'  
 Inclination: 53.88°  
 Azimuth: 179.03°

MD: 3,873'  
 TVD: 3,788.21'  
 Inclination: 53.13°  
 Azimuth: 176.57°

MD: 3,904'  
 TVD: 3,806.09'  
 Inclination: 56.43°  
 Azimuth: 176.3°

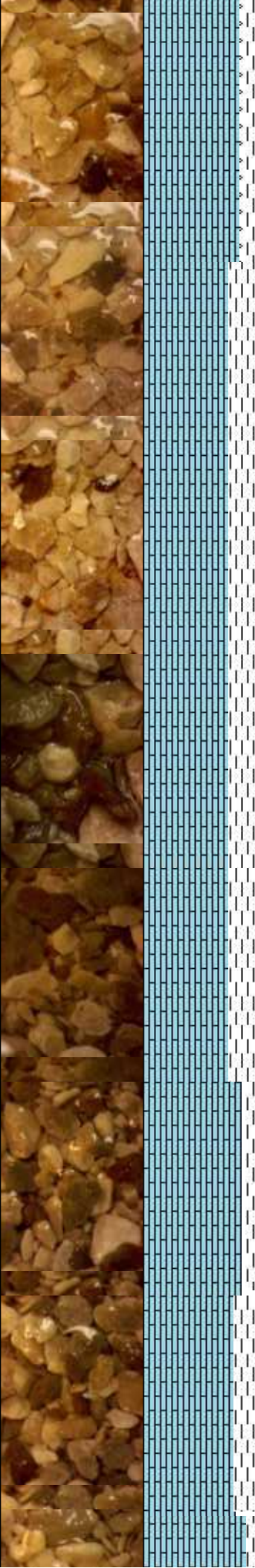
MD: 3,935'  
 TVD: 3,822.35'  
 Inclination: 60.29°  
 Azimuth: 176.48°

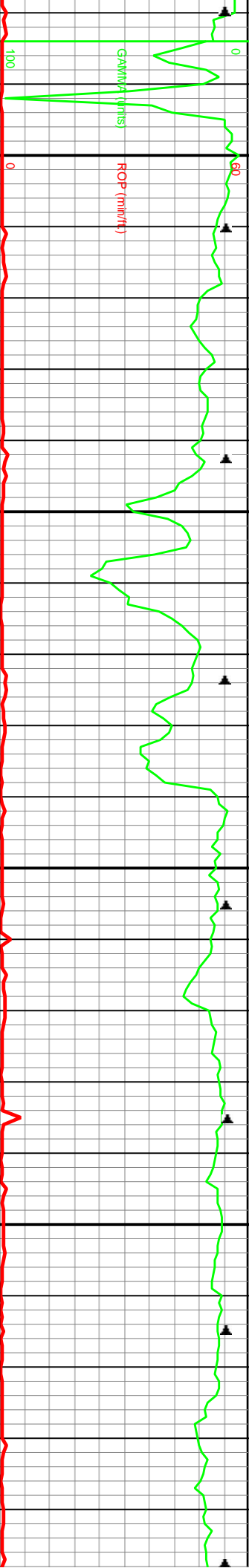
MD: 3,966'  
 TVD: 3,836.81'  
 Inclination: 64.07°  
 Azimuth: 177.36°

TVD (ft)

LS: wht creamy lt tan lt gry gry brn, mudstn, mixcl, dns, silty arg,  
 vlg reac in 10% HCL no vis por tr vis flourescence

LS: wh, crm, tn, lt gry, mudstn, mixcl, dns, arg,  
 vlg reac in 10% HCL, no vis por, no vis fluor





3,980 3,990 4,000 4,010 4,020 4,030 4,040 4,050 4,060 4,070 4,080 4,090 4,100 4,110 4,120 4,130 4,140 4,150 4,160 4,170 4,180 4,190 4

GAS (units)  
C1-C4 (ppm)

NOTE: Gas Test @ 4154' MD=113u

MD: 3,997'  
TVD: 3,849.29'  
Inclination: 68.47°  
Azimuth: 177.36°

MD: 4,028'  
TVD: 3,860.38'  
Inclination: 69.61°  
Azimuth: 178.41°

MD: 4,059'  
TVD: 3,870.3'  
Inclination: 73.04°  
Azimuth: 177.62°

MD: 4,090'  
TVD: 3,878.18'  
Inclination: 77.52°  
Azimuth: 177.47°

MD: 4,121'  
TVD: 3,884.11'  
Inclination: 80.42°  
Azimuth: 178.41°

MD: 4,152'  
TVD: 3,888.3'  
Inclination: 84.02°  
Azimuth: 178.85°

MD: 4,183'  
TVD: 3,890.82'  
Inclination: 86.66°  
Azimuth: 179.73°

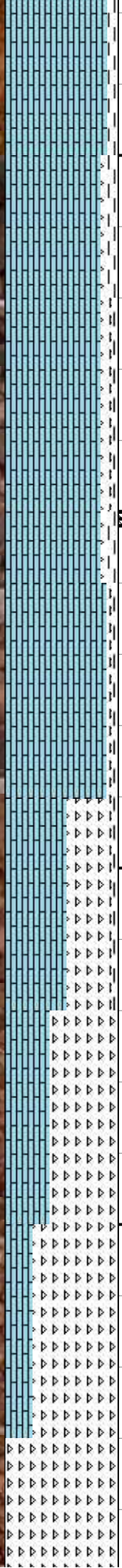
NOTE: TVD SCALE CHANGE @ 4,050'

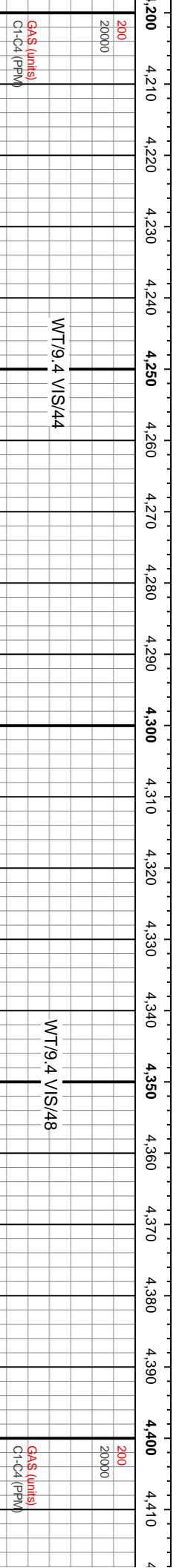
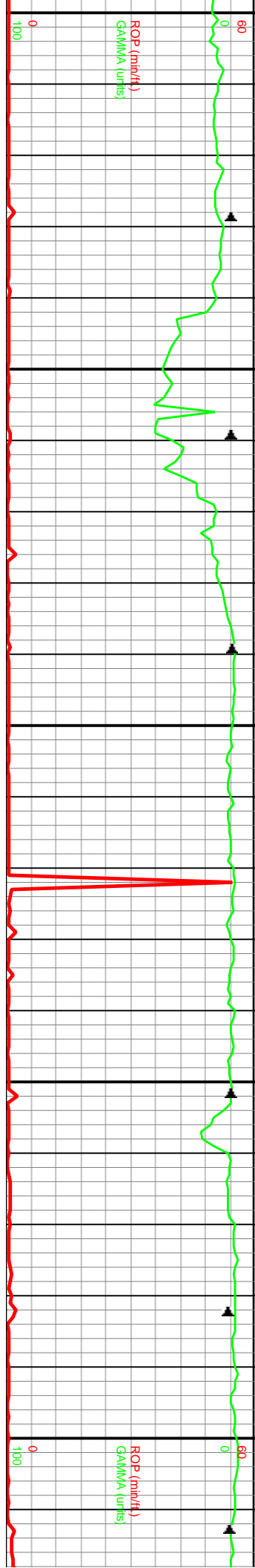
TVD (ft)

TVD (ft)

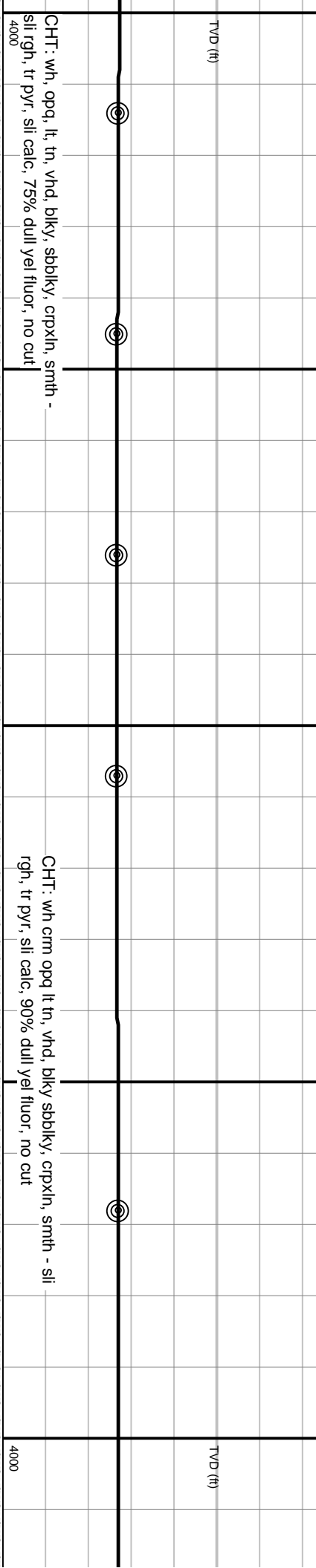
LS: wh, crm, tn, lt gty, mudstn, mickl, dns, arg, vig reac in 10% HCL, no vis por, no vis fluor

CHT: wh, opq, lt, tn, whd, sbblky, crpxln, smth - sli rgn, tr ls, tr pyr, sli calc, 80% dull yel fluor, no cut



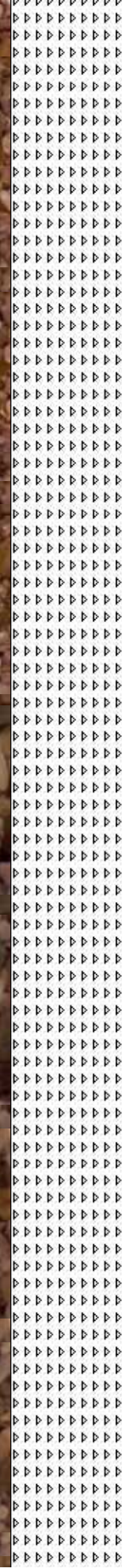


MD (ft)	TVD (ft)	Inclination (°)	Azimuth (°)
3600	4,214	87.93	179.29
MD: 4,214	TVD: 3,892.28	Inclination: 87.93	Azimuth: 179.29
3600	4,245	87.85	179.29
MD: 4,245	TVD: 3,893.43	Inclination: 87.85	Azimuth: 179.29
3600	4,276	90.26	179.99
MD: 4,276	TVD: 3,893.94	Inclination: 90.26	Azimuth: 179.99
3600	4,307	90.53	180.7
MD: 4,307	TVD: 3,893.72	Inclination: 90.53	Azimuth: 180.7
3600	4,368	90.75	180.78
MD: 4,368	TVD: 3,893.04	Inclination: 90.75	Azimuth: 180.78

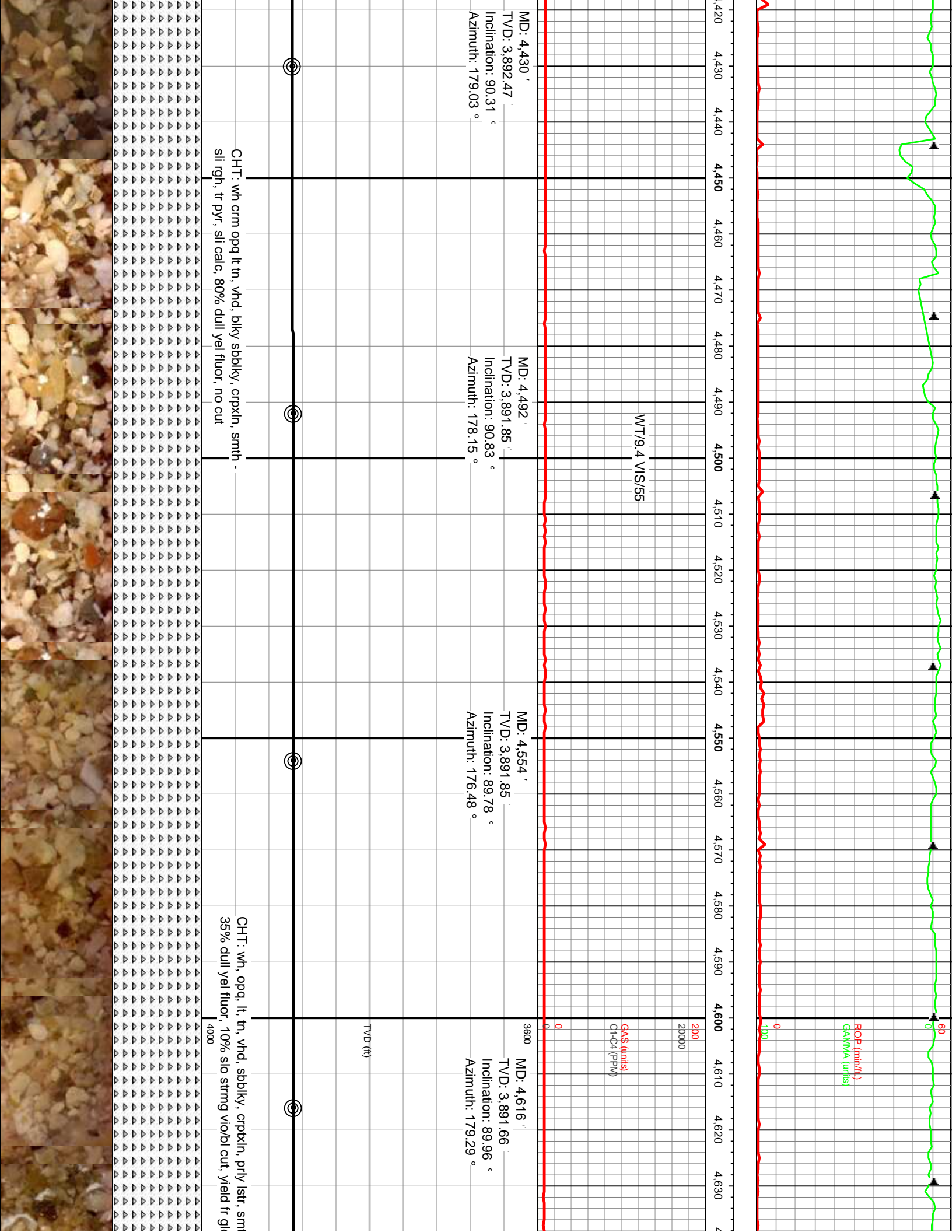


CHT: wh, opq, lt, tn, vhd, blk, sbblk, crpxl, smth - sli rgh, tr pyr, sli calc, 75% dull yel fluor, no cut

CHT: wh crm opq lt tn, vhd, blk, sbblk, crpxl, smth - sli rgh, tr pyr, sli calc, 90% dull yel fluor, no cut







MD: 4,430 '  
 TVD: 3,892.47 '  
 Inclination: 90.31 °  
 Azimuth: 179.03 °

MD: 4,492 '  
 TVD: 3,891.85 '  
 Inclination: 90.83 °  
 Azimuth: 178.15 °

MD: 4,554 '  
 TVD: 3,891.85 '  
 Inclination: 89.78 °  
 Azimuth: 176.48 °

MD: 4,616 '  
 TVD: 3,891.66 '  
 Inclination: 89.96 °  
 Azimuth: 179.29 °

WT/9.4 VIS/55

CHT: wh crm opq lt tn, vhd, blk y sbblky, crpxln, smth - sli rgh, tr pyr, sli calc, 80% dull yel fluor, no cut

CHT: wh, opq, lt, tn, vhd, sbblky, crpxln, prly lstr, smt 35% dull yel fluor, 10% sli strng vio/bl cut, yield fr gl

TVD (ft)

4000

Gas (units)  
 C1-C4 (PPM)

200

20000

ROP (min/ft)  
 GAMMA (units)

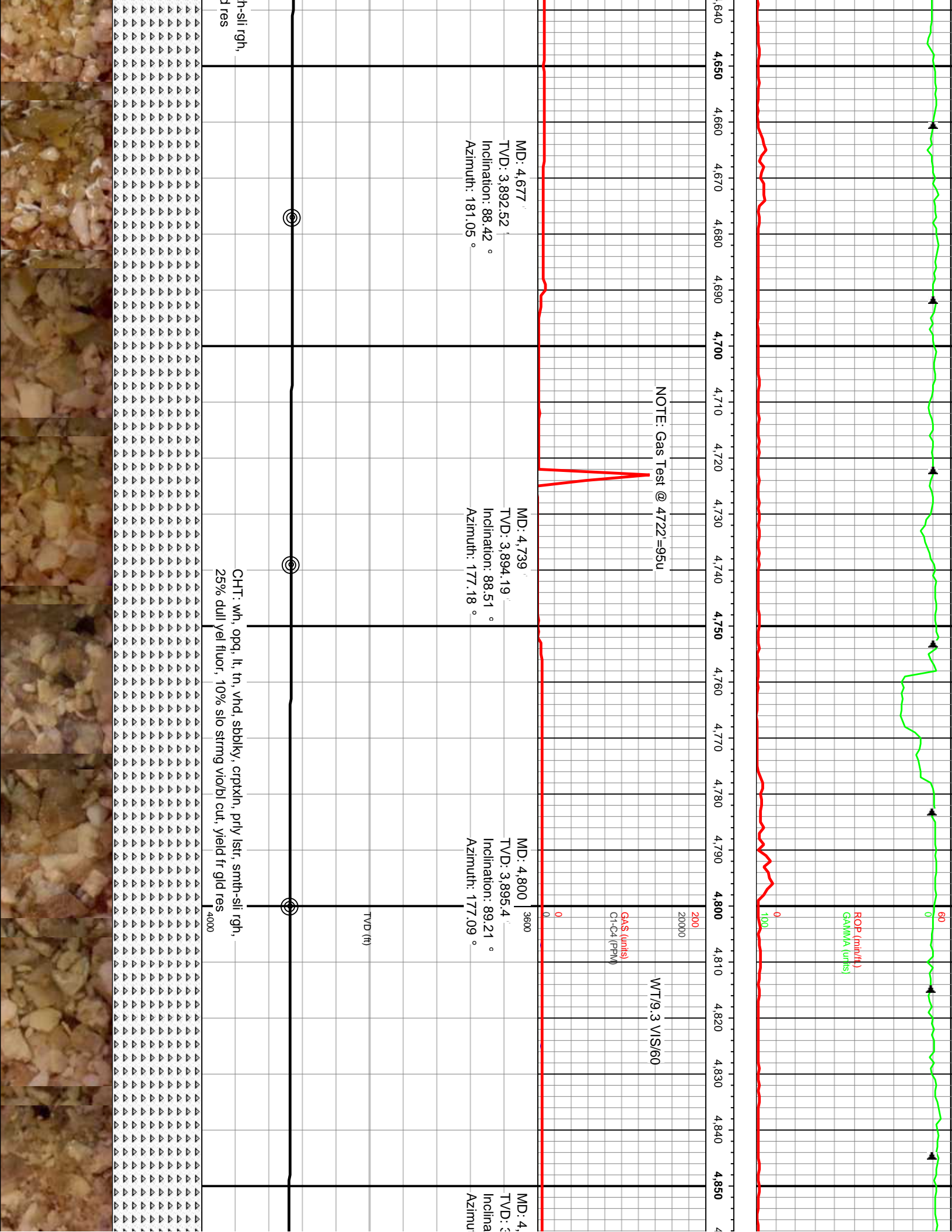
100

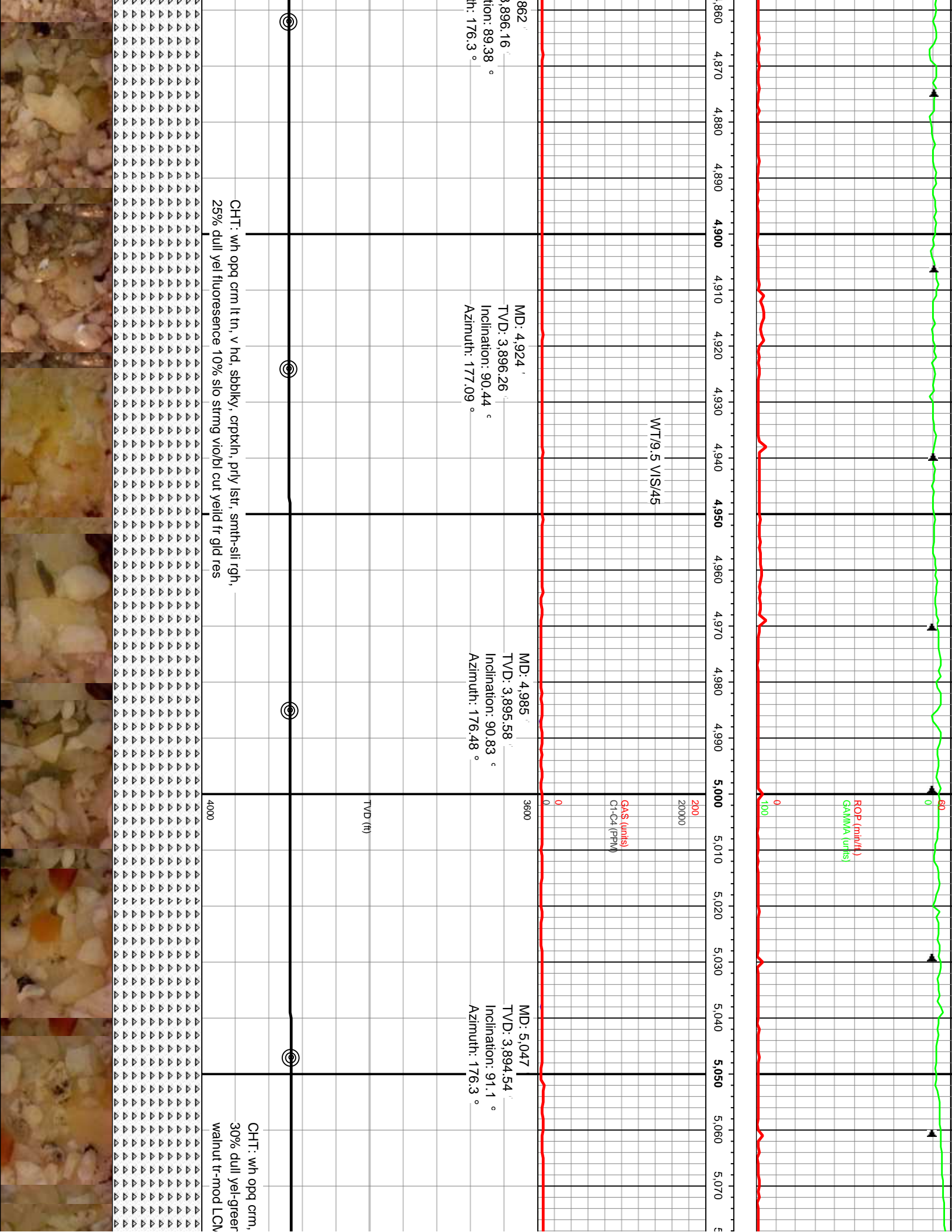
0

0

80

4,420 4,430 4,440 4,450 4,460 4,470 4,480 4,490 4,500 4,510 4,520 4,530 4,540 4,550 4,560 4,570 4,580 4,590 4,600 4,610 4,620 4,630





4,860 4,870 4,880 4,890 4,900 4,910 4,920 4,930 4,940 4,950 4,960 4,970 4,980 4,990 5,000 5,010 5,020 5,030 5,040 5,050 5,060 5,070

WT/9.5 VIS/45

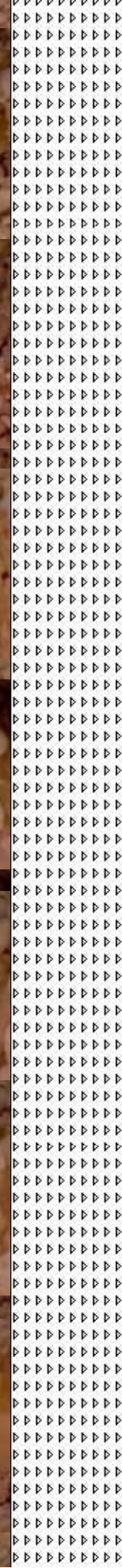
MD: 4,924' TVD: 3,896.26' Inclination: 90.44° Azimuth: 177.09°

MD: 4,985' TVD: 3,895.58' Inclination: 90.83° Azimuth: 176.48°

MD: 5,047' TVD: 3,894.54' Inclination: 91.1° Azimuth: 176.3°

CHT: wh opq crm lt tn, v hd, sbblky, crptkn, prly istr, smth-sli rgh,  
25% dull yel fluorescence 10% slo strmg vio/bl cut yelld fr gld res

CHT: wh opq crm,  
30% dull yel-green  
walnut fr-rod LCN



TVD (ft)

4000

GAS (units)  
C1-C4 (PPM)

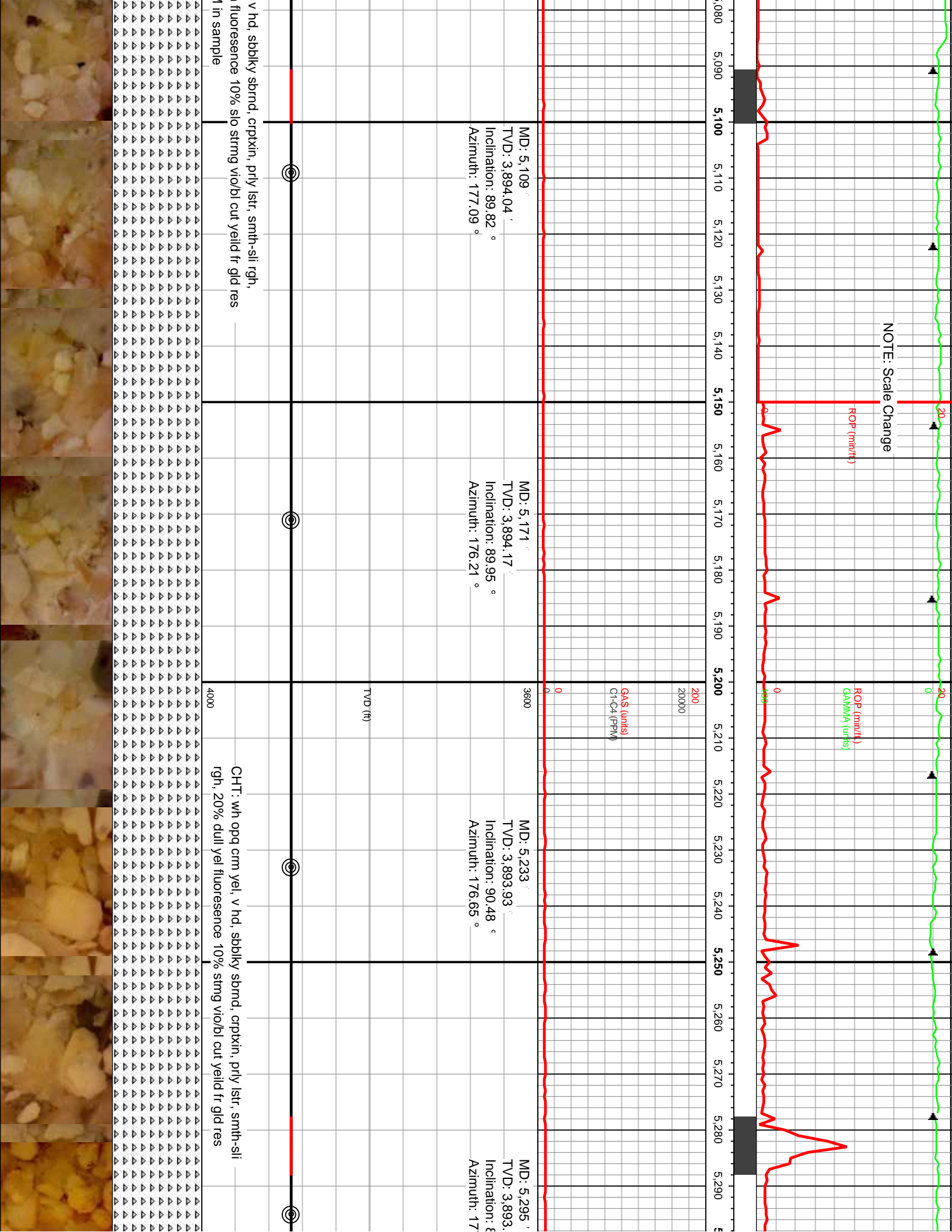
3600

200  
20000

ROP (in/hr/ft)  
GAMMA (units)

0  
100

50  
0



NOTE: Scale Change

ROP (m/min/ft)

ROP (min/hr/ft)  
GAMMA (units)

GAS (units)  
C1-C4 (PPM)

TVD (ft)

MD: 5,109 '  
TVD: 3,894.04 '  
Inclination: 89.82 °  
Azimuth: 177.09 °

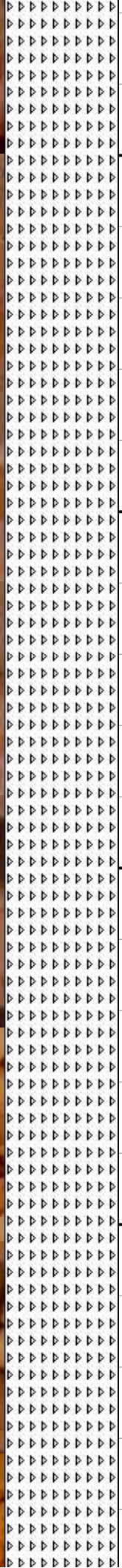
MD: 5,171 '  
TVD: 3,894.17 '  
Inclination: 89.95 °  
Azimuth: 176.21 °

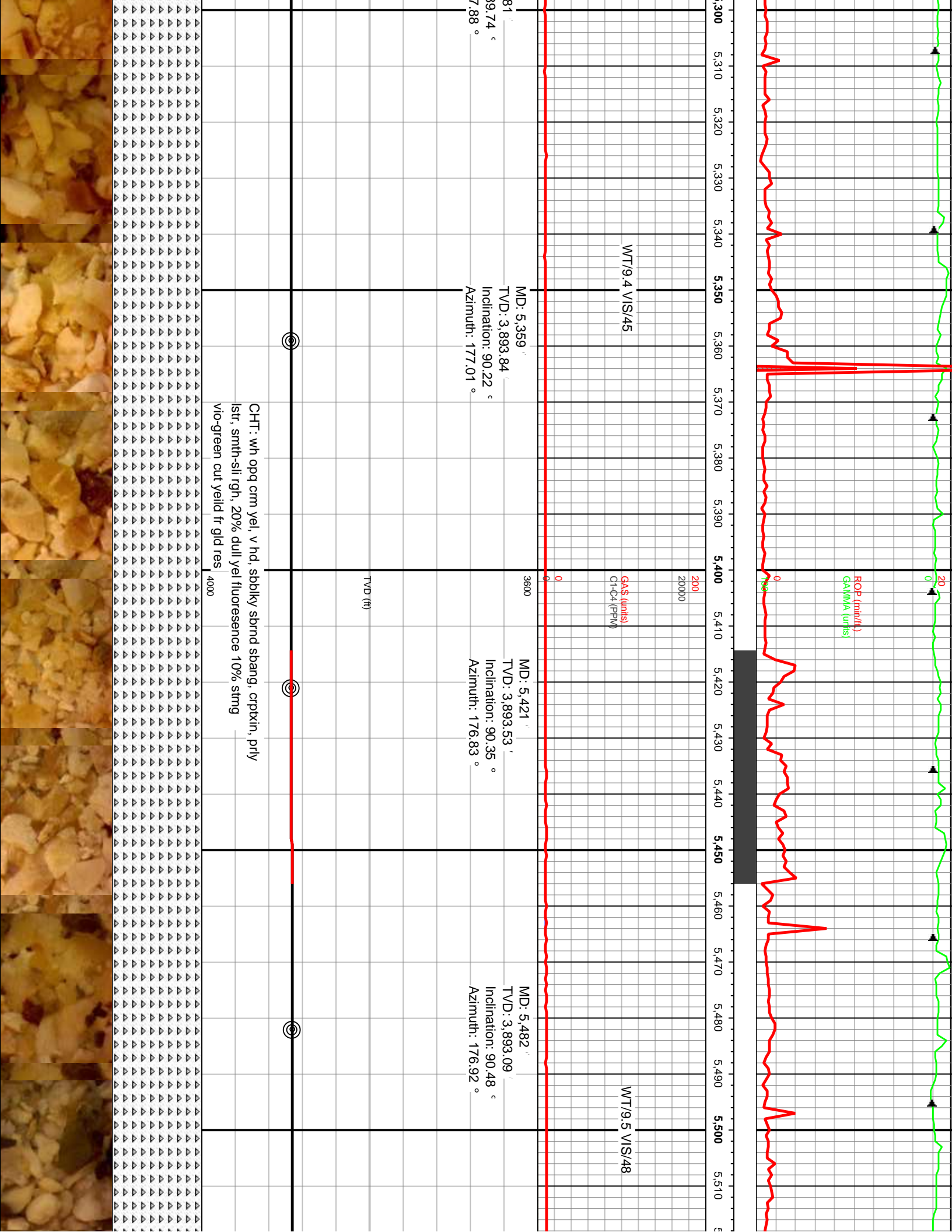
MD: 5,233 '  
TVD: 3,893.93 '  
Inclination: 90.48 °  
Azimuth: 176.65 °

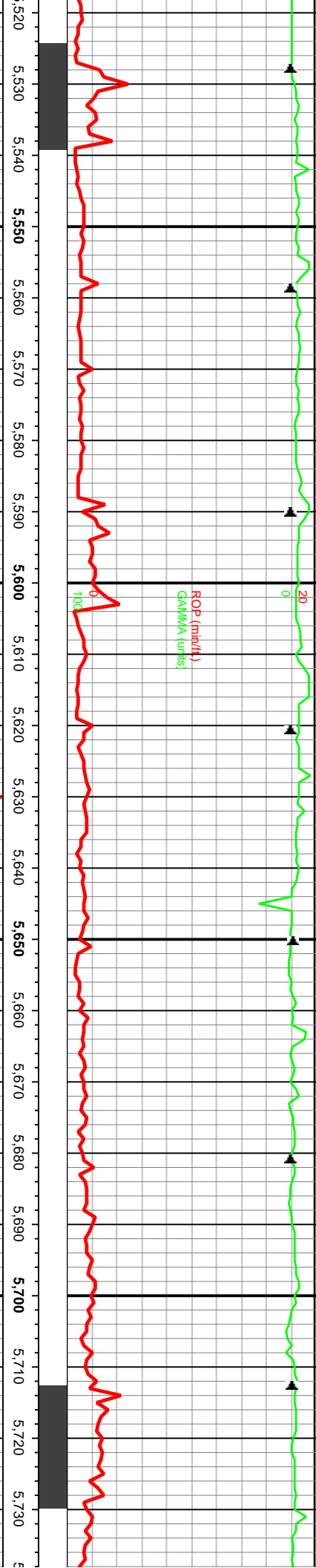
MD: 5,295 '  
TVD: 3,893.3 '  
Inclination: 89.82 °  
Azimuth: 177.09 °

v hd, sbblky sbmnd, crpxin, prly lstr, smth-sli rgh,  
fluorescence 10% slo strmg vio/bl cut yeild fr gld res  
1 in sample

CHT: wh opq cim yel, v hd, sbblky sbmnd, crpxin, prly lstr, smth-sli  
rgh, 20% dull yel fluorescence 10% smng vio/bl cut yeild fr gld res



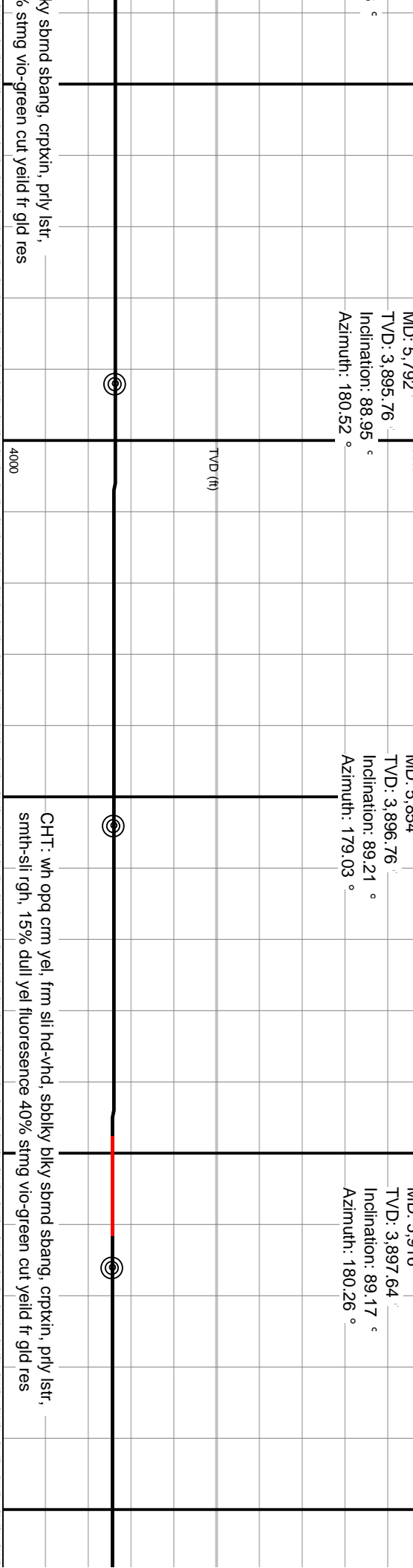
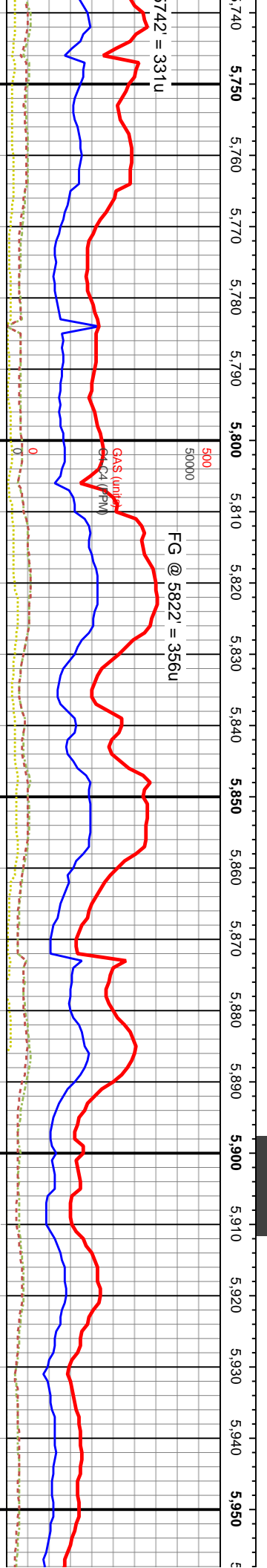
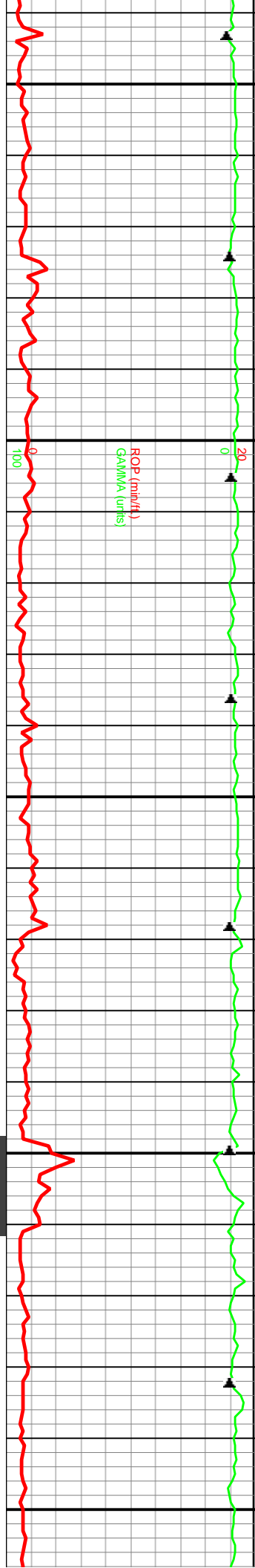


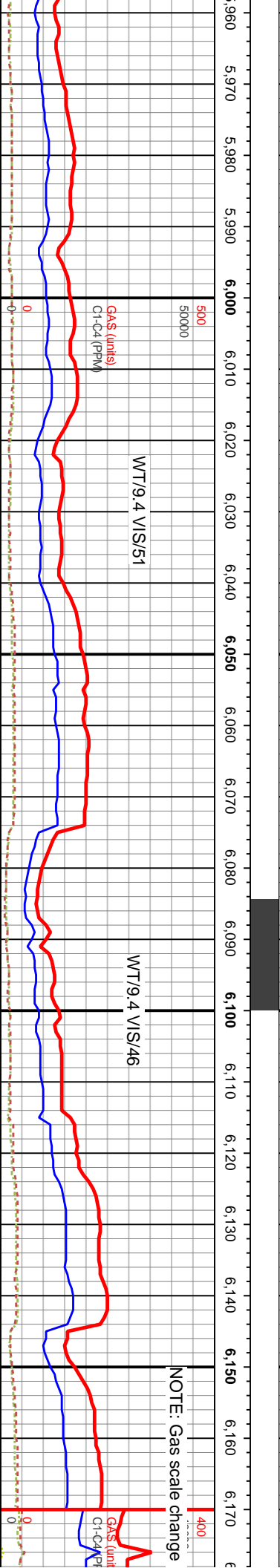
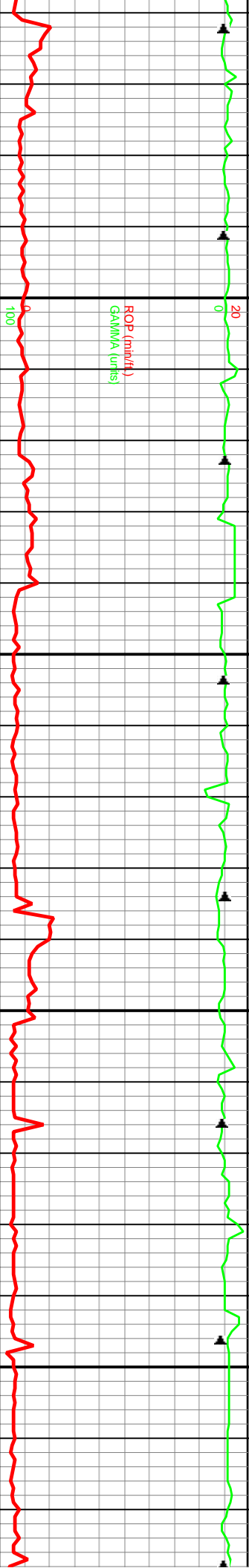


CHT: wh opq crm yel, frm sli hd britt, sbblyv sbmnd sbang, cprtkin,  
prly lst, smth-sli rgh, 30% dull yel fluorescence 40% strng  
vio-green cut yeld fr gld res

CHT: wh opq crm yel, frm sli hd britt, sbbly  
smth-sli rgh, 20% dull yel fluorescence 40%



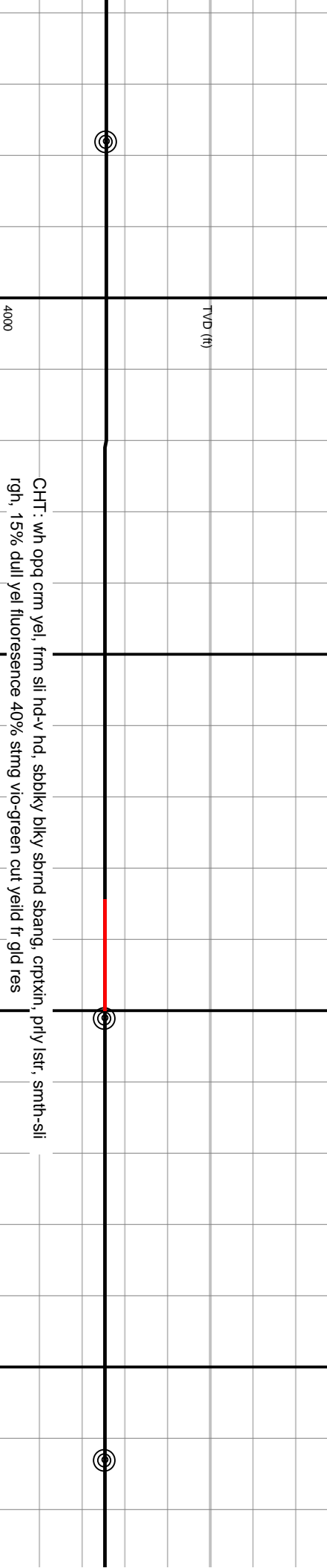




MD: 5,978'  
 TVD: 3,898.39'  
 Inclination: 89.43°  
 Azimuth: 180.87°

MD: 6,101'  
 TVD: 3,899.2'  
 Inclination: 90.22°  
 Azimuth: 181.49°

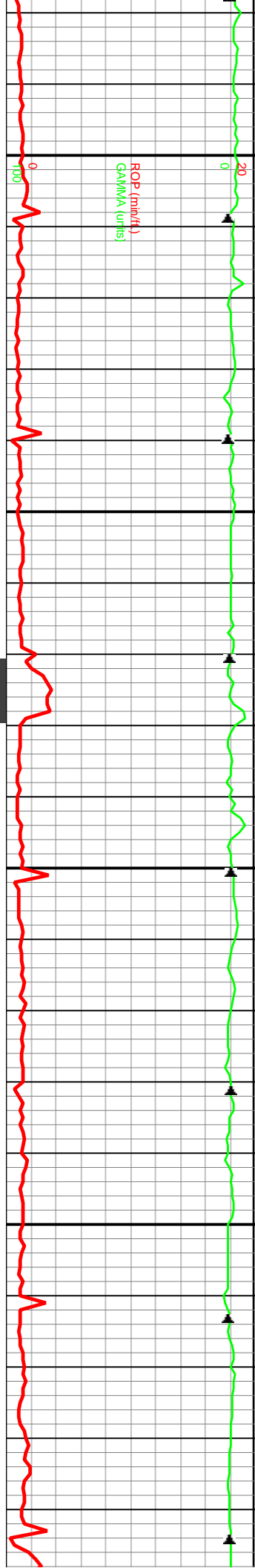
MD: 6,163'  
 TVD: 3,898.94'  
 Inclination: 90.26°  
 Azimuth: 181.14°



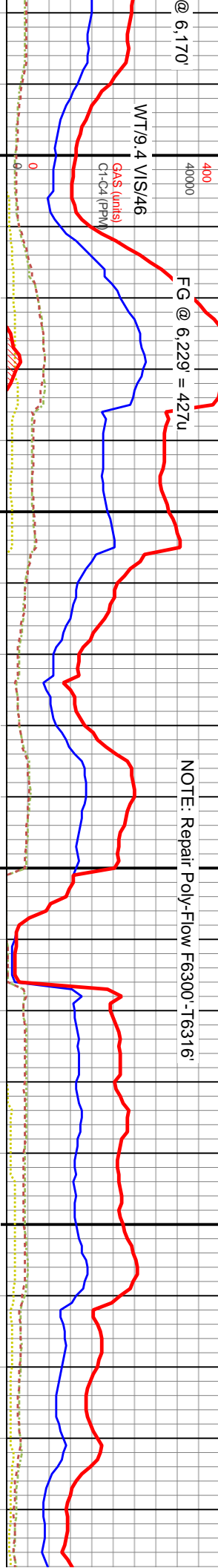
CHT: wh opq cm yel, frm sli hd-v hd, sbblky blkv sbnd sbang, crptxin, prly lstr, smth-sli  
 rgh, 15% dull yel fluorescence 40% strng vio-green cut yelld fr gld res



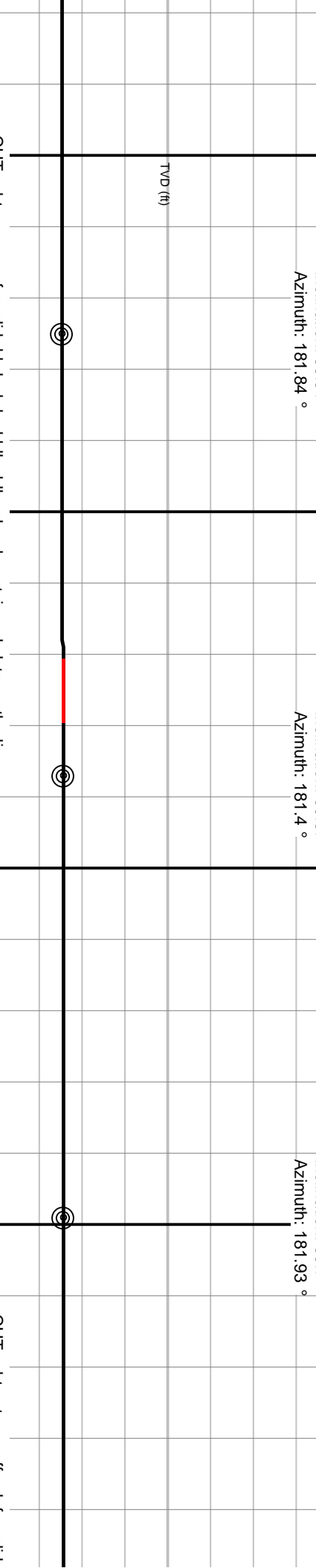




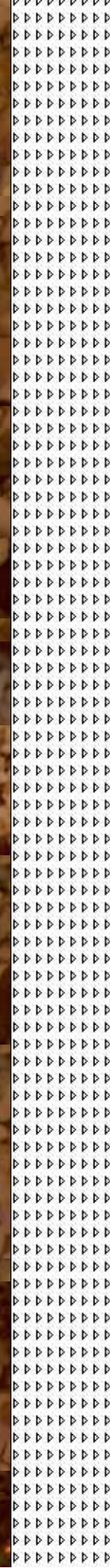
ROP (min/hr/ft)  
GAMMA (units)



WT/9.4 VIS/46  
GAS (units)  
C1-C4 (PPM)



TVD (ft)



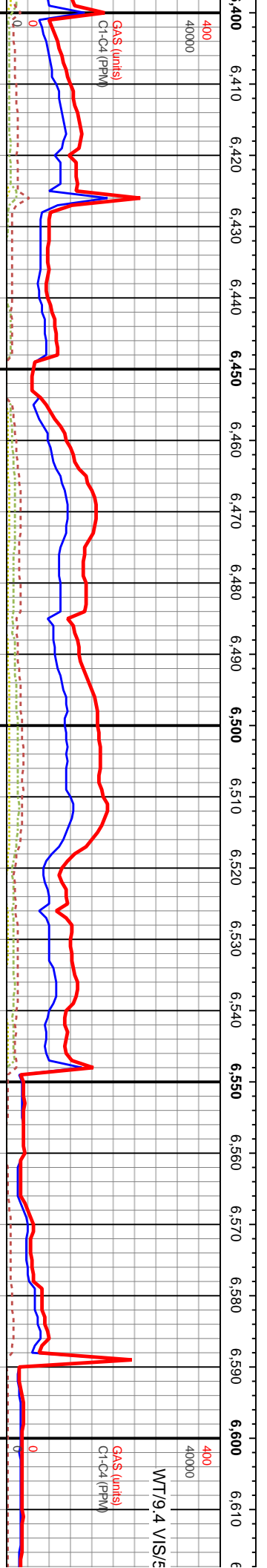
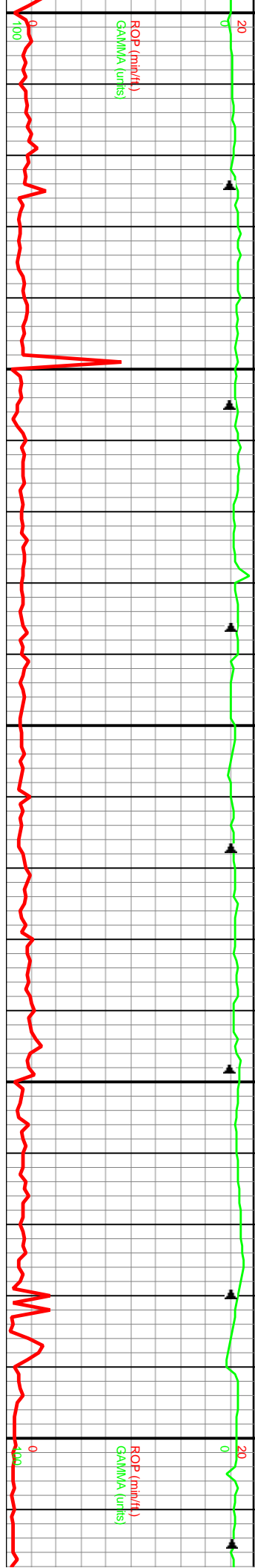
CHT: wht opq crm, frm sli hd v hd, sbbkly blkly sbprnd, crptxin, prly istr, smth-sli  
 rgh, 20% dull yel fluorecence 40% stmg vio-green cut yelld fr gld res

CHT: wht opt crm off yel, frm sli h  
 istr, smth-sli rgh, 20% dull yel fluc

FG @ 6,229' = 427u

NOTE: Repair Poly-Flow F6300-T6316'

@ 6,170'

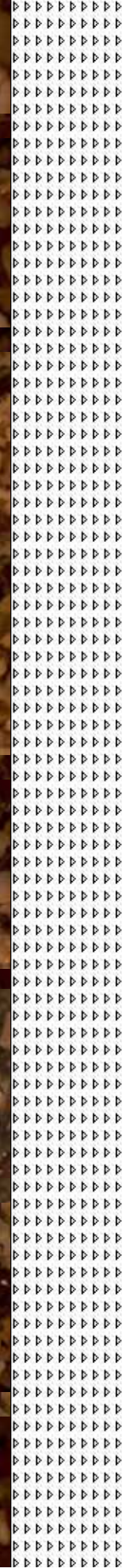
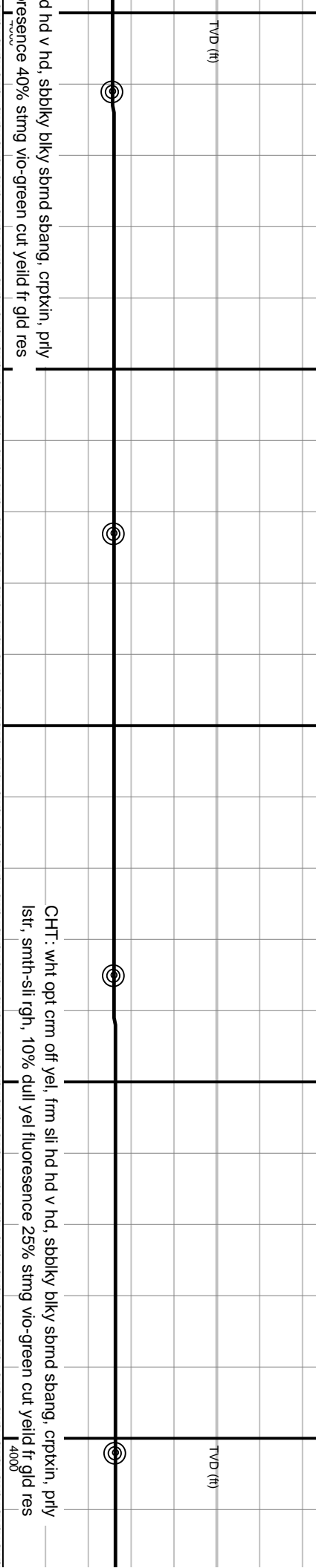


MD: 6,411  
TVD: 3,897.35  
Inclination: 90.31 °  
Azimuth: 180.78 °

MD: 6,473  
TVD: 3,896.88  
Inclination: 90.57 °  
Azimuth: 181.31 °

MD: 6,535  
TVD: 3,896.06  
Inclination: 90.83 °  
Azimuth: 180.52 °

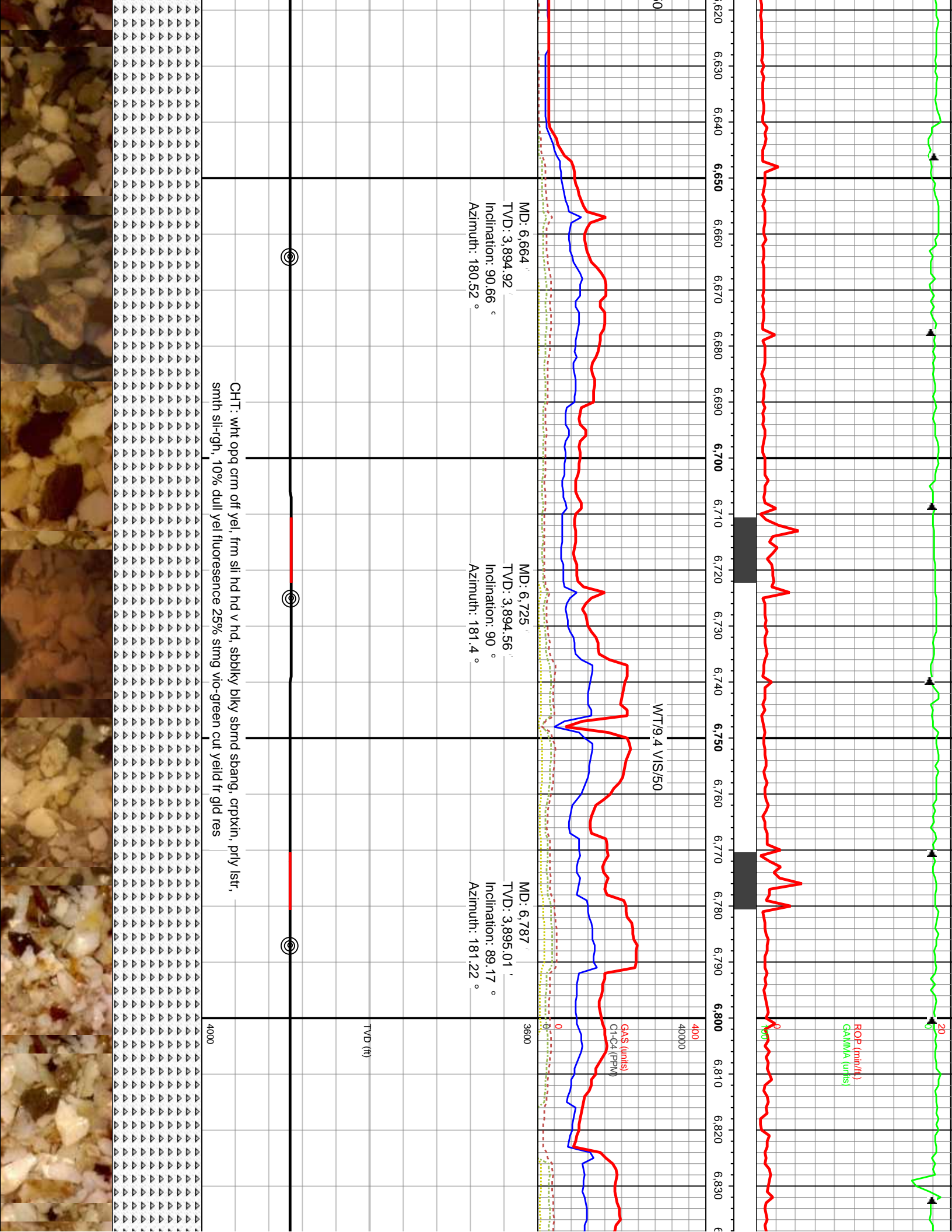
MD: 6,602  
TVD: 3,895.44  
Inclination: 90.31 °  
Azimuth: 180.7 °

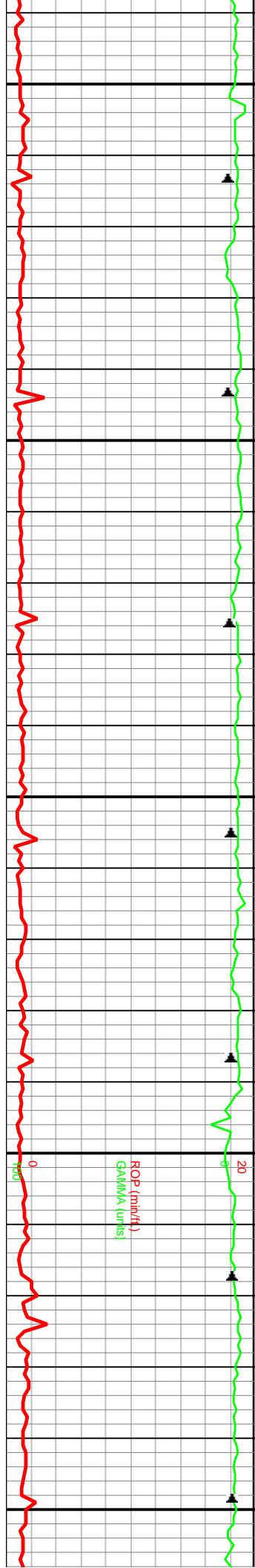


hd v hd, sbblky blk sbmd sbang, crptxin, prly  
resence 40% stmg vio-green cut yeild fr gld res

CHT: wht opt ctm off yel, frm sil hd hd v hd, sbblky blk sbmd sbang, crptxin, prly  
lstr, smth-sli rgh, 10% dull yel fluorescence 25% stmg vio-green cut yeild fr gld res

WT/9.4 VIS/E





840 6,850 6,860 6,870 6,880 6,890 6,900 6,910 6,920 6,930 6,940 6,950 6,960 6,970 6,980 6,990 7,000 7,010 7,020 7,030 7,040 7,050 7

WT/9.5 VIS/50

WT/9.5 VIS/55

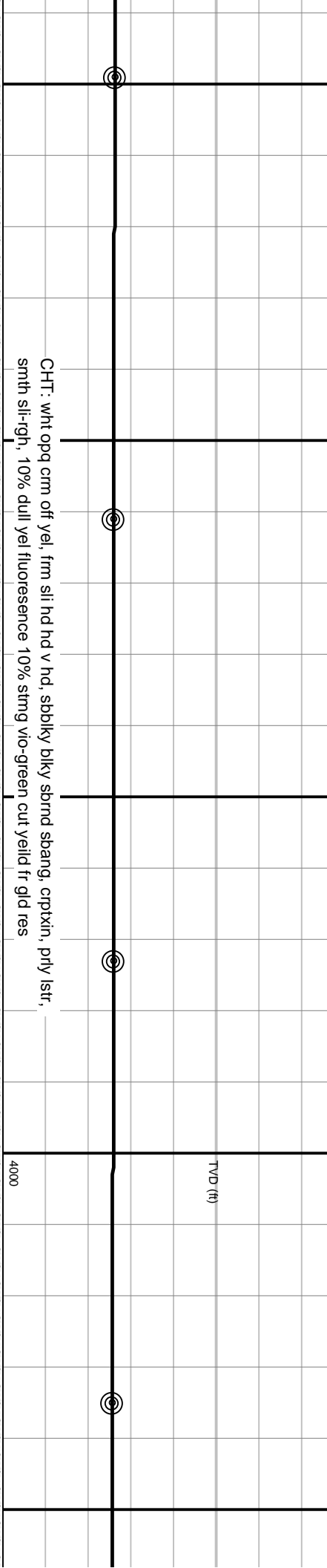
GAS (units)  
C1-C4 (PPM)

MD: 6,849' TVD: 3,895.8' Inclination: 89.38° Azimuth: 181.4°

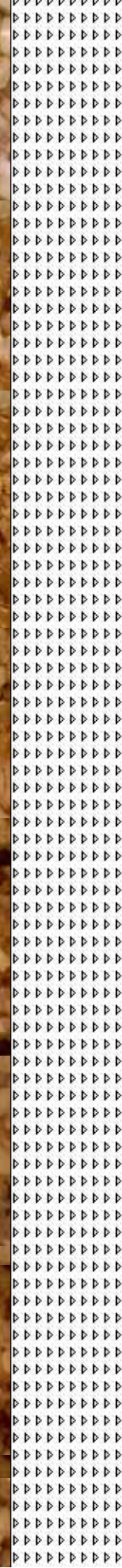
MD: 6,911' TVD: 3,896.39' Inclination: 89.52° Azimuth: 181.93°

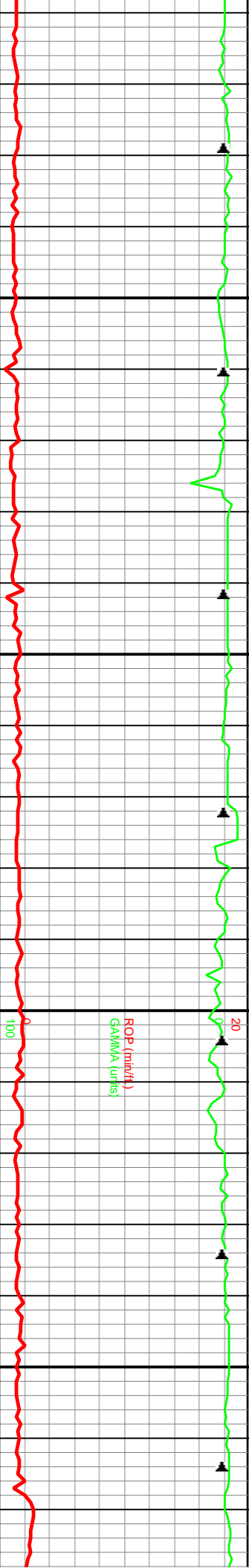
MD: 6,973' TVD: 3,896.84' Inclination: 89.65° Azimuth: 181.4°

MD: 7,035' TVD: 3,897.86' Inclination: 88.46° Azimuth: 180.17°



CHT: wht opq crm off yell, frm sli hd hd v hd, sbblky blkly sbnd sbang, crptxin, prly lstr, smth sli-rgn, 10% dull yell fluorescence 10% stmg vio-green cut yeild fr gld res





ROP (red/ft)  
GAMMA (units)

NOTE: Happy Easter!

WT/9.5 VIS/58

GA\$ (units)  
C1-C4 (ppm)

MD: 7,097'  
TVD: 3,899.36'  
Inclination: 88.77 °  
Azimuth: 180.43 °

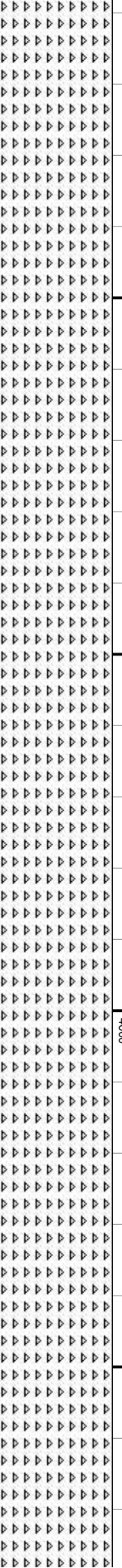
MD: 7,159'  
TVD: 3,900.93'  
Inclination: 88.33 °  
Azimuth: 179.82 °

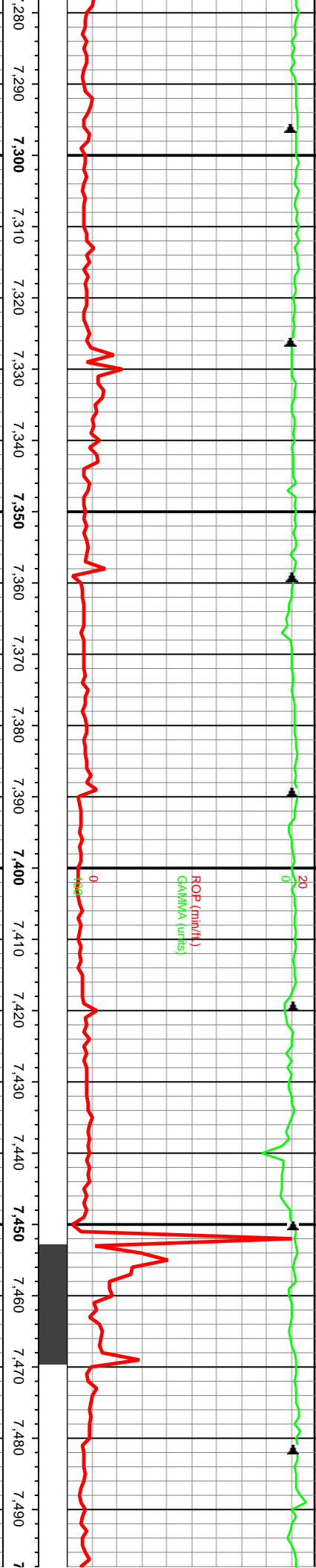
MD: 7,220'  
TVD: 3,902.5'  
Inclination: 88.73 °  
Azimuth: 179.64 °

MD: 7,270'  
TVD: 3,904.1'  
Inclination: 88.73 °  
Azimuth: 179.64 °

Note: Walnut Shale Added to Drilling Fluids -CHT: wht opq crm off yel, frm sli hd hd v hd, sbbkly blkly sbprnd  
sbang, crptxin, prly lstr, smth sli-rgh, 10% dull yel fluorescence 10% sting vio-green cut yelid fr glid res

CHT: wht opq crm off yel, frm sli hd hd v hd, sbbkly blkly sbprnd  
sbang, crptxin, prly lstr, smth sli-rgh, 10% dull yel fluorescence 10% sting vio-green cut yelid fr glid res





WT/9.4 VIS/60

NOTE: Rig Service @ 7357'

GAS (units)  
C1-C4 (PPM)

MD: 7,282' TVD: 3,903.87' Inclination: 88.81° Azimuth: 179.2°

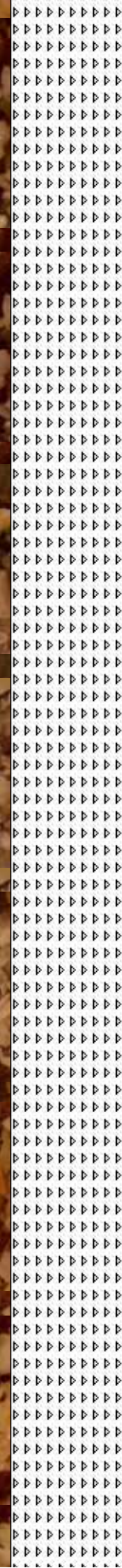
MD: 7,344' TVD: 3,904.9' Inclination: 89.21° Azimuth: 180.52°

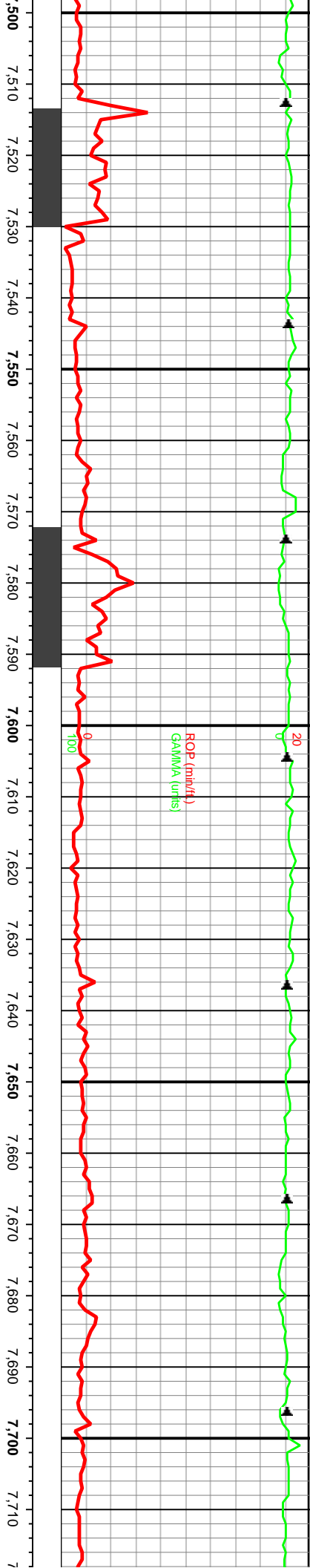
MD: 7,406' TVD: 3,905.73' Inclination: 89.25° Azimuth: 180.26°

MD: 7,468' TVD: 3,906.14' Inclination: 89.99° Azimuth: 180.76°

blky sbnd sbang, crpxin, prly  
stmg vio-green cut yeild fr gld res

CHT: wht opq crm off yel, frm sli hd hd v hd, sbblky blky sbnd  
lstr, smth sli-rgn, 10% dull yel fluorescence 10% stmg vio-green





NOTE: Repair Poly Flow

MD: 7,529  
 TVD: 3,907.5  
 Inclination: 89.47 °  
 Azimuth: 180.61 °

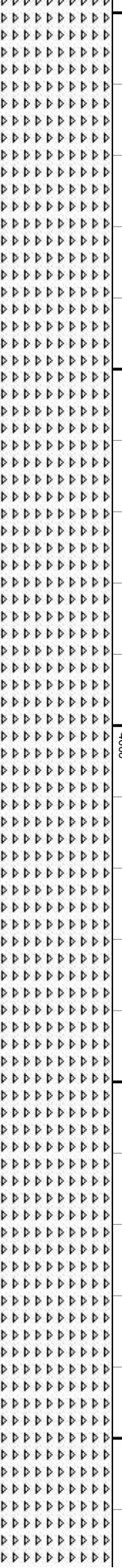
MD: 7,592  
 TVD: 3,907.6  
 Inclination: 90.35 °  
 Azimuth: 180.35 °

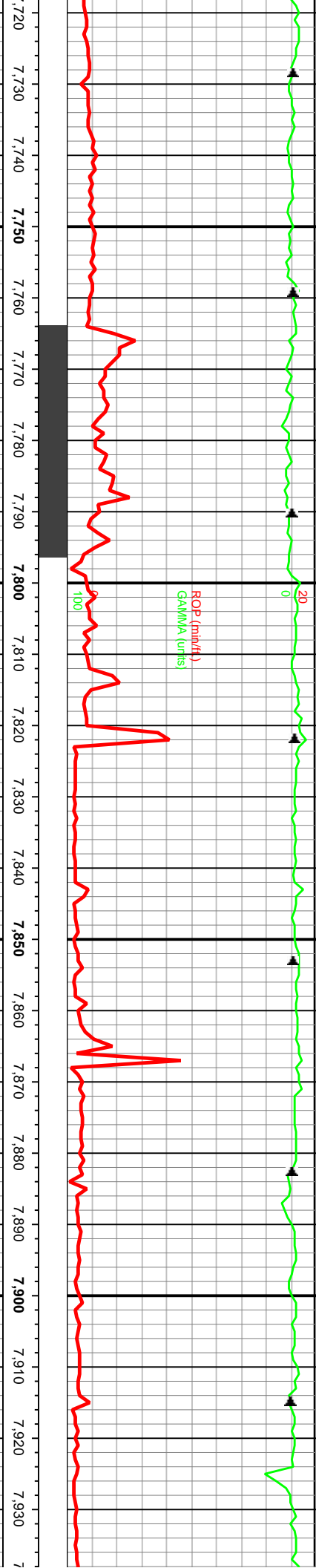
MD: 7,693  
 TVD: 3,907.23  
 Inclination: 90.35 °  
 Azimuth: 179.03 °

MD: 7,711  
 TVD: 3,907.23  
 Inclination: 90.35 °  
 Azimuth: 179.03 °

sbang, cpxin, prly  
 cut yeild fr gld res

CHT: wht opq crm off yel, frm sli hd hd v hd, sbblky blkly sprnd sbang,  
 cpxin, prly lstr, smth sli-gh, 10% dull yel fluorescence, no cut





WT/9.4 VIS/53

GAS (units)  
C1-C4 (PPM)

Gas Test @ 7887 = 273u

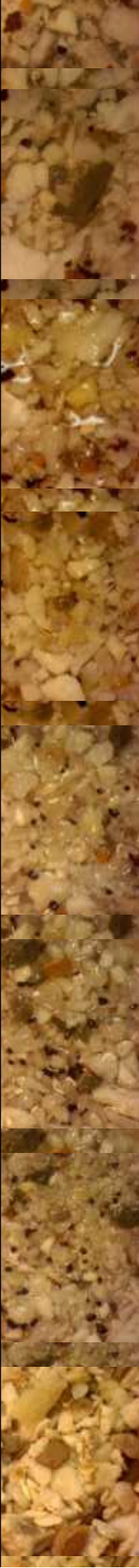
NOTE: Repair Poly Flow

NOTE: Repair F

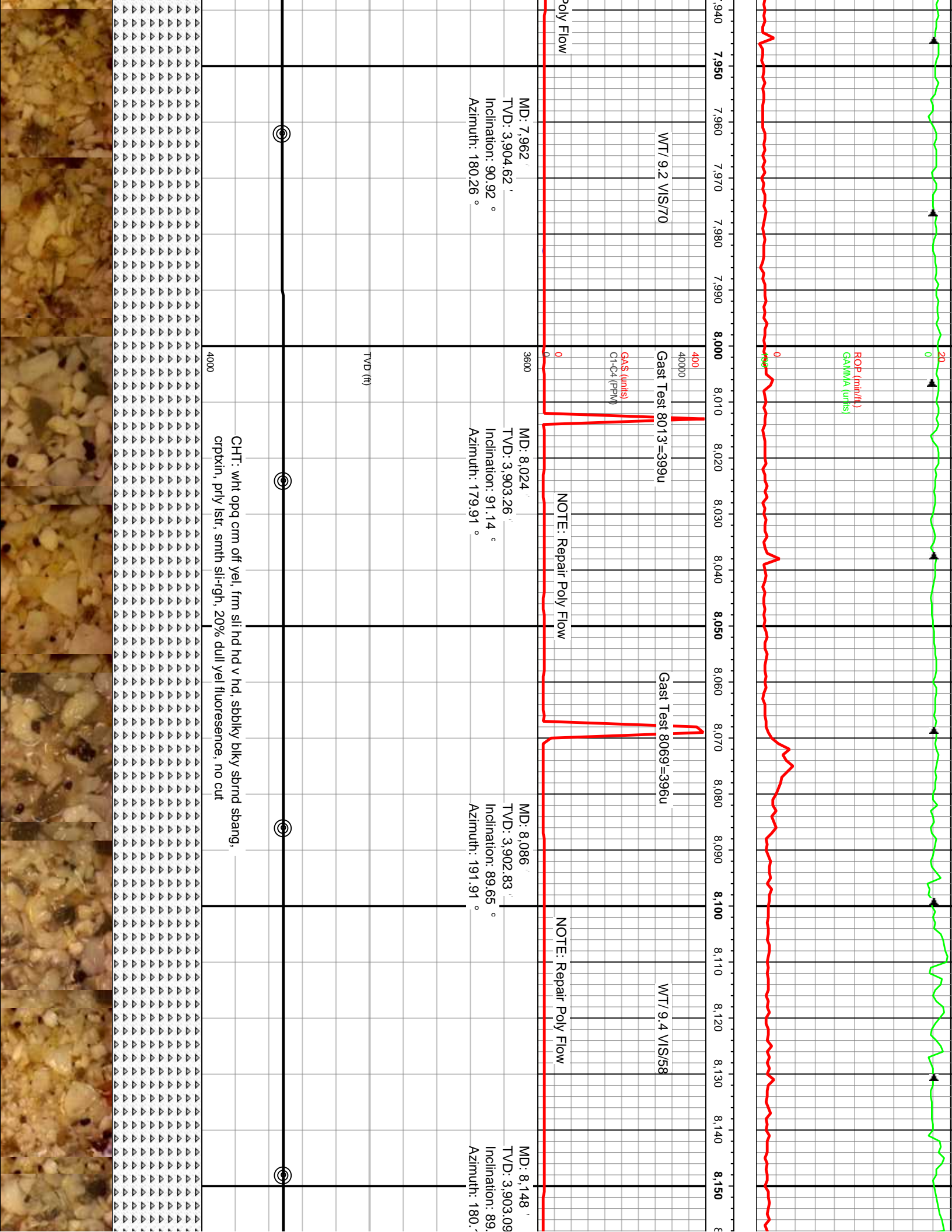
MD: 7,777'	MD: 7,839'	MD: 7,901'
TVD: 3,906.64'	TVD: 3,906.09'	TVD: 3,905.28'
Inclination: 90.31°	Inclination: 90.7°	Inclination: 90.79°
Azimuth: 179.55°	Azimuth: 179.99°	Azimuth: 180.17°

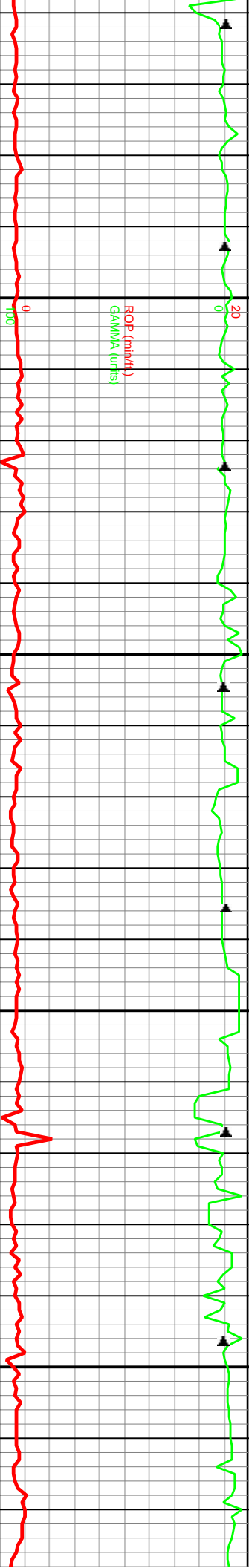
TVD (ft)

CHT: wht opq crm off yel, frm sli hd hd v hd, sbblky blkly sbnd spang,  
cprtkin, prly lstr, smth sil-gh, 10% dull yel flurescence, no cut









8,160 8,170 8,180 8,190 8,200 8,210 8,220 8,230 8,240 8,250 8,260 8,270 8,280 8,290 8,300 8,310 8,320 8,330 8,340 8,350 8,360 8,370 8,380

WT/9.4 VIS/56

400  
400000  
GAS (units)  
C1-C4 (PPM)

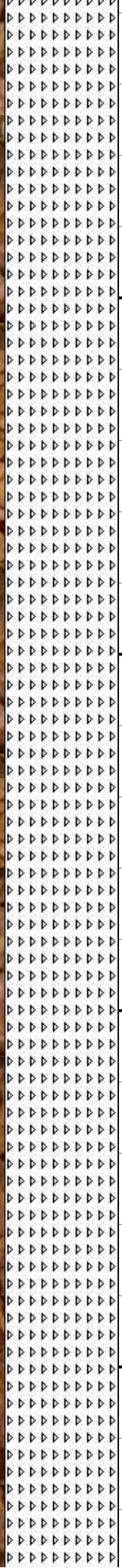
3600 MD: 8,210'  
TVD: 3,903.47'  
Inclination: 89.43 °  
Azimuth: 179.82 °

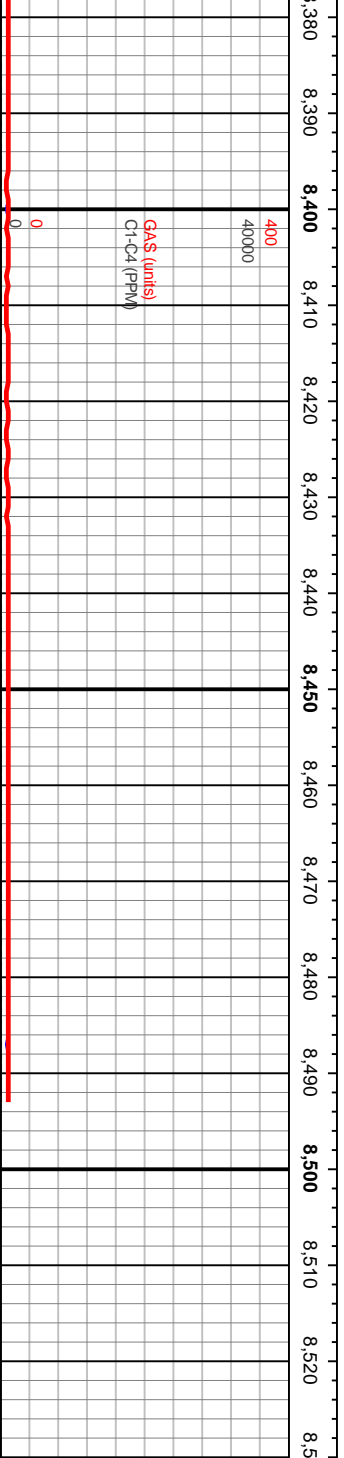
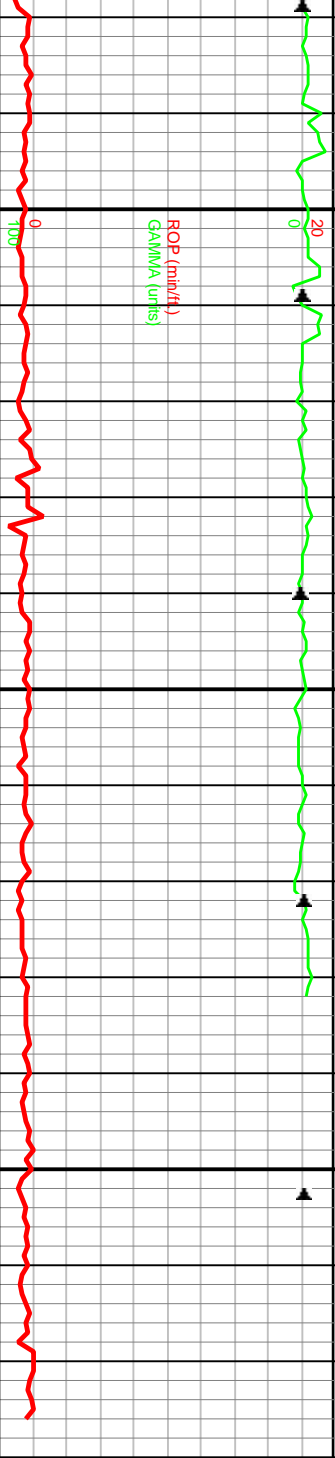
MD: 8,272'  
TVD: 3,903.99'  
Inclination: 89.6 °  
Azimuth: 180.08 °

MD: 8,334'  
TVD: 3,904.38'  
Inclination: 89.69 °  
Azimuth: 180.26 °

TVD (ft)

CHT: wht opq crm off yell, frm sli hd hd v hd, sbblky blkly sbprd sbang,  
cpkxin, pily lsfr, smth sli-rgh, 25% dull yell fluorescence, no cut





MD: 8,396  
 TVD: 3,904.74  
 Inclination: 89.64 °  
 Azimuth: 180.43 °

MD: 8,482  
 TVD: 3,905.41  
 Inclination: 89.47 °  
 Azimuth: 180.7 °

CHI: wht opq crm off yel, frm sil hd hd v hd, sbbiky bily sbnd sbang,  
 crpxin, prly lstr, smth sil-rgh, 25% dull yel fluorescence, no cut



27

26

25



Pooled Unit Boundary

34

35

36

4

MSSP Top Perf 4,115'

4,115

GASTON 25-10-2 1H

330' Setback Boundary

2

1

4

3

2

1

3

MSSP Btm Perf 8,102'

8,102

2

1

10

11








GASTON 25-10-2 1H

Reno County, Kansas

Surf: 175' fsl, 660' fwl Sec 2-T25S-R10W

Bot: 330' fsl, 660' fwl Sec 2-T25S-R10W

WELL SYMBOLS

-  Dry Hole, With Show of Gas
-  Dry Hole, With Show of Oil & Gas
-  Dry Hole, With Show of Oil
-  Oil Well
-  PERMIT

REMARKS

Dorado Permit Location/Gaston 25-10-2 1H  
Completion Map.map  
KB: 1,764'

By: SCJ

August 29, 2013

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

September 04, 2013

Tina Miller  
Dorado E&P Partners, LLC  
1401 17TH ST., STE 1500  
DENVER, CO 80202

Re: ACO-1  
API 15-155-21645-01-00  
Gaston 25-10-2 1H  
NW/4 Sec.02-25S-10W  
Reno County, Kansas

Dear Tina Miller:

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 3/21/2013 and the ACO-1 was received on August 29, 2013 (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