



MID CONTINENT WELL LOGGING SERVICE, INC.

CONTINUOUS WELL LOGGING / COMPLETE HYDROCARBON ANALYSIS

2222 WESTPARK DR. STE. A
NORMAN, OK 73069
OFFICE (405) 360-7333
OPERATIONS (405) 590-3655
SALES (405) 203-9989

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

Well Name: Lori 3510 3-2H
Location: SECTION 11-T35S-R10W OF BARBER COUNTY, KS
License Number: 15-007-23969-0000
Spud Date: 11/25/2012
Surface Coordinates: 200' FNL & 2,130' FWL OF SEC 11, T35S-R10W
Region:
Drilling Completed: 12/9/2012

Bottom Hole REPORT FOR: Tammy Alcorn
Coordinates: LOGGER: Kris Carroll / Charles Minyard
Ground Elevation (ft): 1312' K.B. Elevation (ft): 1332'
Logged Interval (ft): 3500 To: 12255 Total Depth (ft): 12255
Formation: Mississippi
Type of Drilling Fluid: Water Basec, Gell

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Sandridge Energy, INC.
Address: 123 Robert S. Kerr Avenue, Ste. 2430
Oklahoma City, Oklahoma 73102-6406

GEOLOGIST

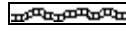
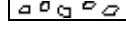
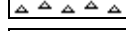
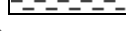
Name: Tammy Alcorn
Company: Sandridge Energy, INC.
Address: 123 Robert S. Kerr Avenue, Ste. 2430
Oklahoma City, Oklahoma 73102-6406

Cores

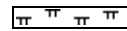
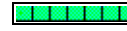
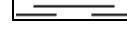
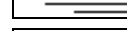
DSTs

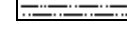
Comments

ROCK TYPES

 Sndylm
 Anhy
 Bent
 Brec
 Cht
 Clyst

 Coal
 Congl
 Dol
 Gyp
 Igne
 Lmst

 Meta
 Mrlst
 Salt
 Shale
 Shcol
 Shgy

 Ss
 Till
 Hotsh
 Sltst

ACCESSORIES

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

 Minxl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff

FOSSIL
 Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral

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

STRINGER
 Anhy
 Arg
 Bent
 Coal
 Dol

 Gyp
 Ls
 Mrst
 Ssstrg
 Sltstrg

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

OTHER SYMBOLS

POROSITY

- E Earthy
- F Fenest
- F Fracture
- X Inter
- Moldic
- Organic
- P Pinpoint
- V Vuggy
- New symbol

- New symbol
- Sndylm
- New symbol

- SORTING
- Well
 - Moderate
 - Poor

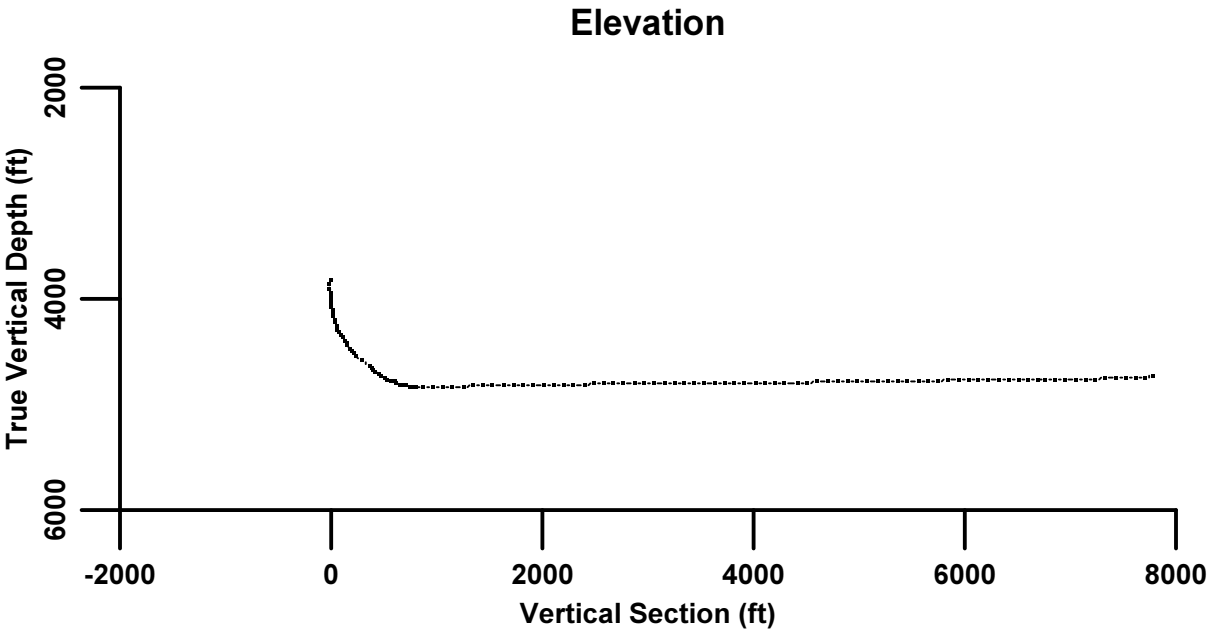
- ROUNDING
- R Rounded
 - Subrnd
 - Subang
 - Angular

- OIL SHOW
- Even
 - Spotted
 - Ques

- Dead

- INTERVAL
- Core
 - Dst

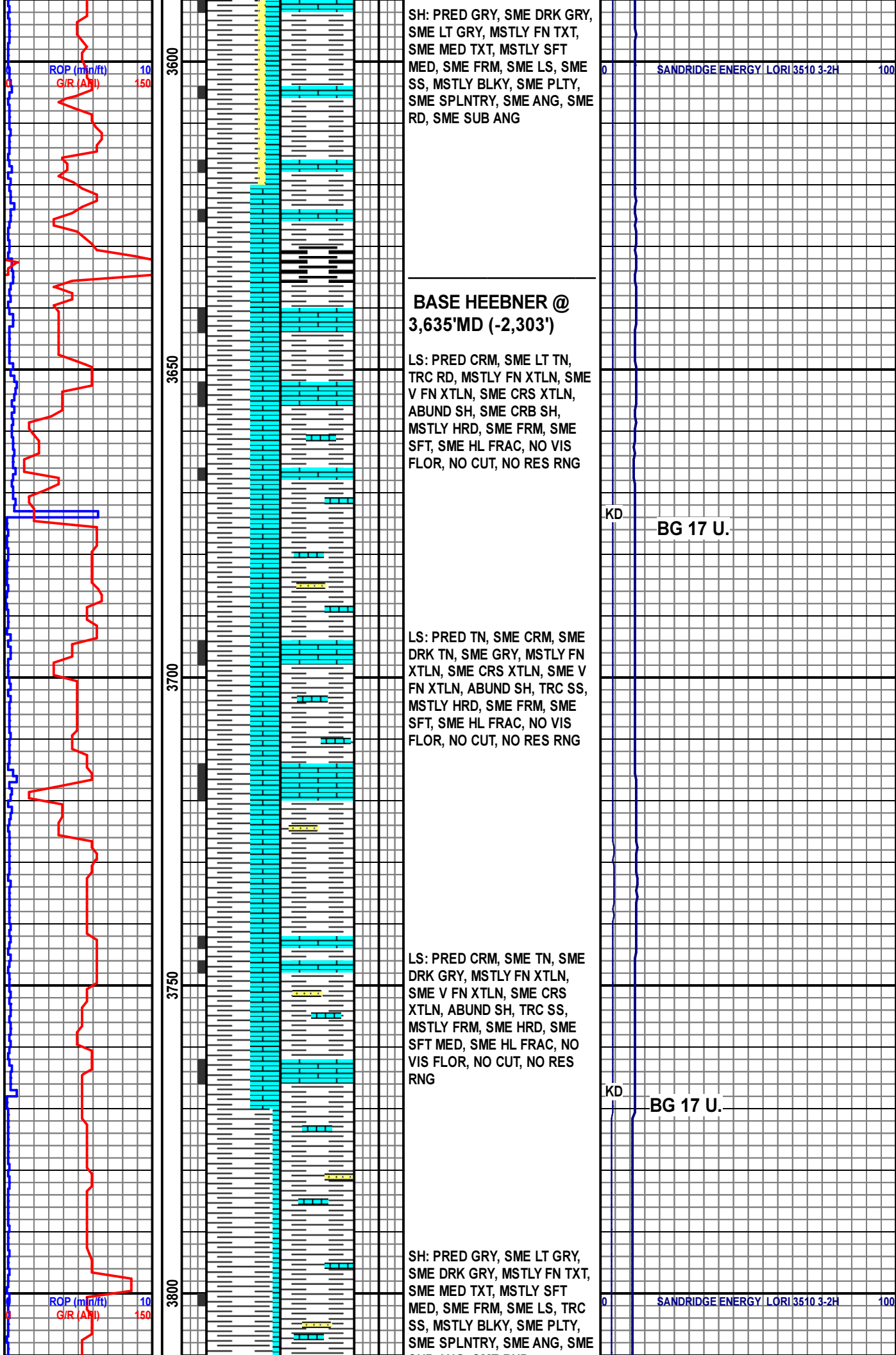
- EVENT
- Rft
 - Sidewall



		ROP (min/ft) — G/R (API) —		DEPTH FEET	PORO PERCENT	% Lithology	Lithology	FLUORESCENCE INDEX	LEACH INDEX	Geological Descriptions	TG (Units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units) TG, C1-C5
		ROP (min/ft) G/R (API)	10 150	34 3450 3500 3550						SANDRIDGE ENERGY, INC LORI 3510 3-2H; SEC: 11-T35S-R10W BARBER CO., KS SPUD DATE: 11/25/2012 GL: 1,312' KB: 1,332' BIT# 2: 8 3/4" HALLIBURTON FX55M; SER# 11951734; 5-12 JETS; BHA: MOTOR; UBHO SUB; NMDC-MWD; FLEX NMDC; X.O. 6"-XT-39; H.W.D.P. SH: PRED GRY, SME LT GRY, SME DRK GRY, MSTLY FN TXT, SME MED TXT, MSTLY SFT MED, SME FRM, TRC HRD, SME SS, OCC LS, MSTLY BLKY, SME PLTY, SME SPLNTRY, SME ANG, SME SUB ANG, SME RD	SANDRIDGE ENERGY LORI 3510 3-2H ATTENUATION: 30 IBALL: 0757 GAS TST G 49 U. KD

WOB: 14.4
RPM: 79
SPM: 167
PSI: 2893

WOB: 14.2
RPM: 80
SPM: 159
PSI: 2832



MD 3817 TVD 3816.88
INC 0.5 AZ 123.4
VS -8.89

11/29/2012

MD 3848 TVD 3847.88
INC 0.9 AZ 151.2
VS -9.18

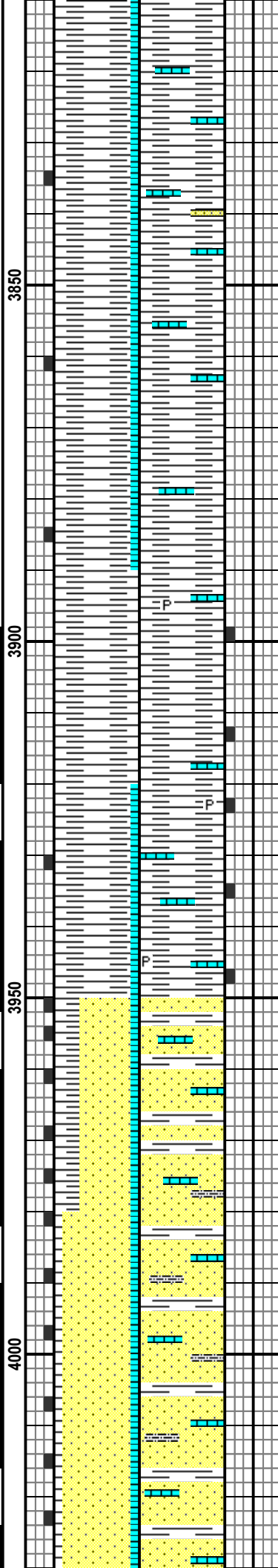
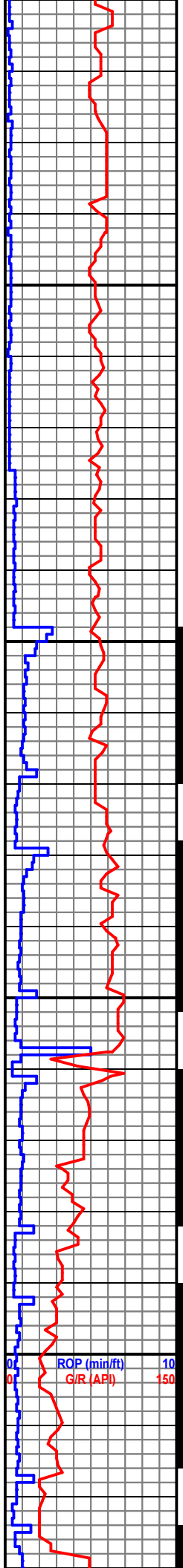
MD 3912 TVD 3911.88
INC 0.8 AZ 5.1
VS -9.17

MD 3943 TVD 3942.86
INC 2.2 AZ 352.6
VS -8.37

MD 3975 TVD 3974.82
INC 4 AZ 350.1
VS -6.66

WOB: 11.8
RPM: 0
SPM: 120
PSI: 1790

MD 4007 TVD 4006.69
INC 5.9 AZ 347.5
VS -3.95



SUB ANG, SME RND

SH: PRED GRY, SME DRK GRY,
SME LT GRY, MSTLY FN TXT,
SME MED TXT, MSTLY SFT
MED, SME FRM, TRC LS, TRC
SS, MSTLY BLKY, SME PLTY,
SME SPLNTRY, SME SUB ANG,
SME ANG, SME RND

TOH FOR NEW
MOTOR, BIT AND BOP
@ 3,962' MD
BIT# 3:
HALLIBURTON 8 3/4"
FXD55M; SER#:
11962007; 5-12S JETS

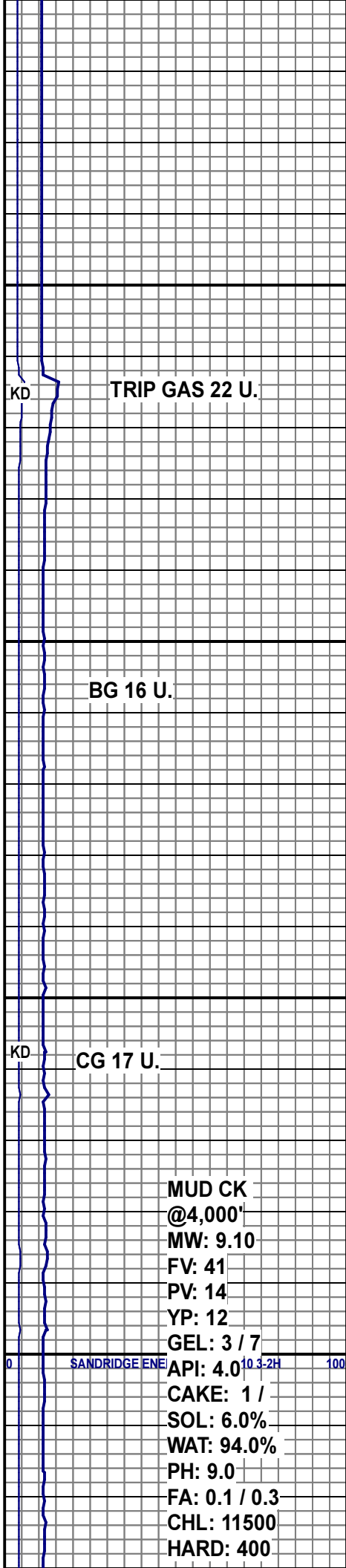
BHA: MOTOR; UBHO
SUB; NMDC-MWD;
FLEX NMDC; X.O.
6"-XT-39; PUSH PIPE
4" XT-39; H.W.D.P.

LANSING @ 3,917'MD
(-2605)

SH: MSTLY MED GY, PRED VFN
TXT, PRED PLTY, SME
AMORPH, MSTLY SUB ANG -
SUB RND FRAC; SME CALC,
PRED SFT; LS: PRED MED
BRN, SME OFF WHT - CRM,
CRPXLN, BLKY, SME SPLTY,
FRM; TR LT YEL FLOR, NO
CUT, NO RES RING

SS: MSTLY OFF WHT - WHT,
SME CRM, PRED SILC, SME
CARB, TR CALC, WL SRTD, WL
RND, VFN, FRI; SH: PRED LT
GY, MSTLY VFN TXT, SME
SNDY, PRED AMORPH, SFT;
LS: MSTLY CRM - MED BRN,
BLKY, CRPXLN, FRM, BRTL; TR
LT YEL FLOR, NO CUT, NO RES
RING

SS: MSTLY OFF WHT - WHT,
SME CRM, PRED SILC, SME
CARB, TR CALC, WL SRTD, WL
RND, VFN, FRI; SH: PRED LT
GY, TR BLK, MSTLY FN TXT,
SME VFN PRED AMORPH



TRIP GAS 22 U.

BG 16 U.

CG 17 U.

MUD CK
@4,000'
MW: 9.10
FV: 41
PV: 14
YP: 12
GEL: 3 / 7
API: 4.0
CAKE: 1 /
SOL: 6.0%
WAT: 94.0%
PH: 9.0
FA: 0.1 / 0.3
CHL: 11500
HARD: 400

MD 4039 TVD 4038.47
INC 7.8 AZ 343.6
VS -0.25

MD 4071 TVD 4070.09
INC 9.7 AZ 346.5
VS 4.46

MD 4102 TVD 4100.57
INC 11.3 AZ 348.3
VS 9.98

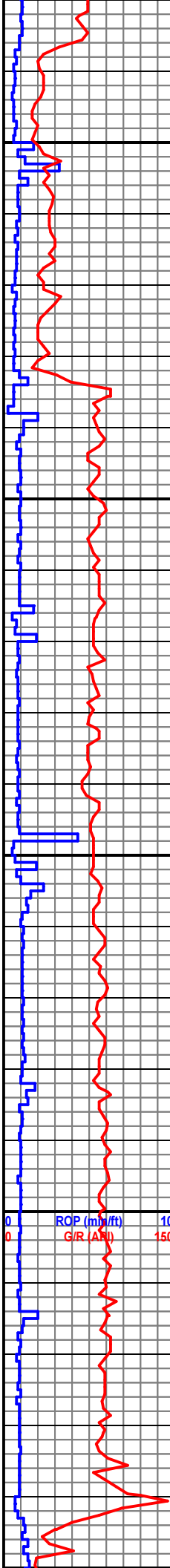
MD 4134 TVD 4131.86
INC 12.9 AZ 348.2
VS 16.55

MD 4166 TVD 4162.95
INC 14.4 AZ 347.6
VS 23.95

WOB: 11.3
RPM: 0
SPM: 126
PSI: 1915

MD 4197 TVD 4192.84
INC 16.4 AZ 348
VS 32

MD 4229 TVD 4223.37
INC 18.4 AZ 347.7
VS 41.37



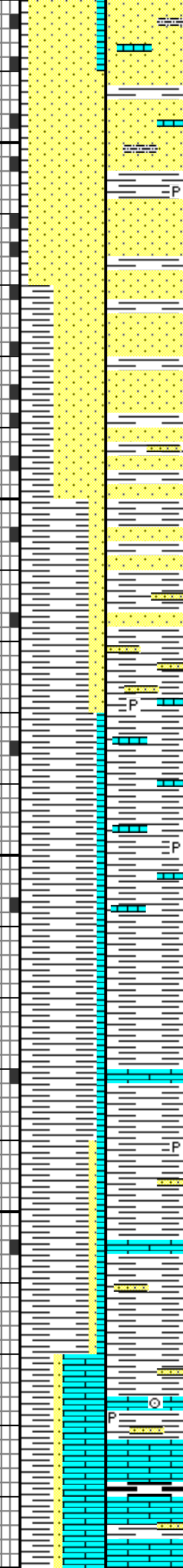
4050

4100

4150

4200

50



SME VFN, PRED AMORPH,
SME PLTY, PRED SFT, SME
FRM; TR LT YEL FLOR, NO VIS
CUT, NO RES RING

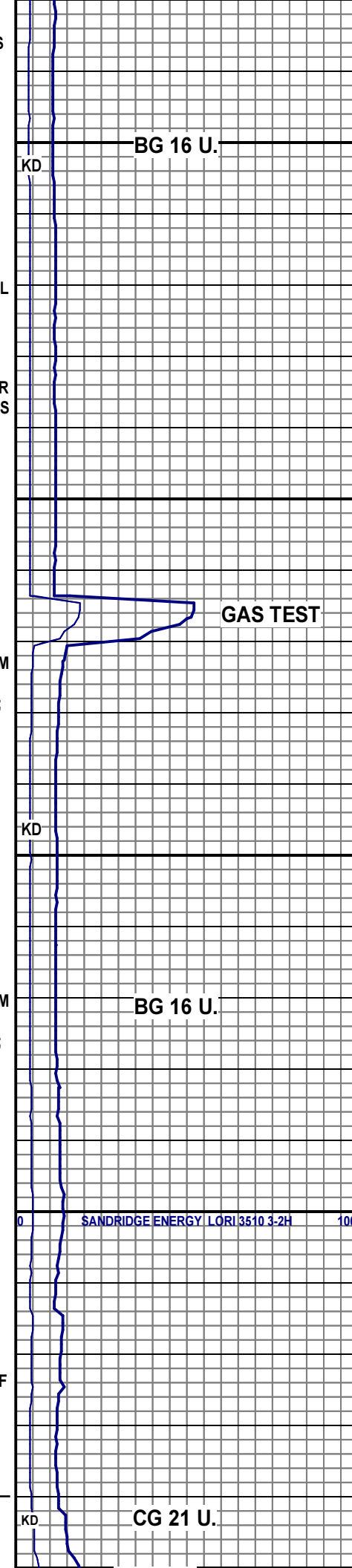
SS: MSTLY OFF WHT - WHT,
SME CRM, PRED SILC, SME
CARB, TR CALC, WL SRTD, WL
RND, VFN, FRI; SH: PRED LT
GY, MSTLY VFN TXT, SME
SNDY, PRED AMORPH, SFT;
LS: MSTLY CRM - MED BRN,
BLKY, CRPXLN, FRM, BRTL; TR
LT YEL FLOR, NO CUT, NO RES
RING

SH: PRED: MED GY, SME LT
GY, VFN TXT MSTLY CHKY,
SME PLTY, SFT; LS: PRED CRM
- LT TAN, MICROXLN, PRED
PLTY, SME BLKY, FRM, BRTL;
NO VIS FLOR, NO CUT, NO
RES RING

SH: PRED: MED GY, SME LT
GY, VFN TXT MSTLY CHKY,
SME PLTY, SFT; LS: PRED CRM
- LT TAN, MICROXLN, PRED
PLTY, SME BLKY, FRM, BRTL;
NO VIS FLOR, NO CUT, NO
RES RING

LS: PRED WHT - OFF WHT,
SME LT GY, SME CRM, MSTLY
CRPXLN, BLKY, FRM, BRTL;
SH: PRED MED GY, SME DRK
GRY, TR BLK, MSTLY CHNKY,
SME PLTY, SFT; SS: PRED OFF
WHT - WHT, FN, WL SRT, WL
RND, FRI; TR YEL FLOR, NO
VIS CUT, NO RES RING

COTTAGE GROVE @
4,240'MD 4,234' TVD
(-2922)



BG 16 U.

GAS TEST

BG 16 U.

CG 21 U.

MD 4261 TVD 4253.55
INC 20.5 AZ 346.9
VS 51.78

MD 4292 TVD 4282.4
INC 22.4 AZ 346.7
VS 62.83

MD 4324 TVD 4311.67
INC 25.2 AZ 346.6
VS 75.41

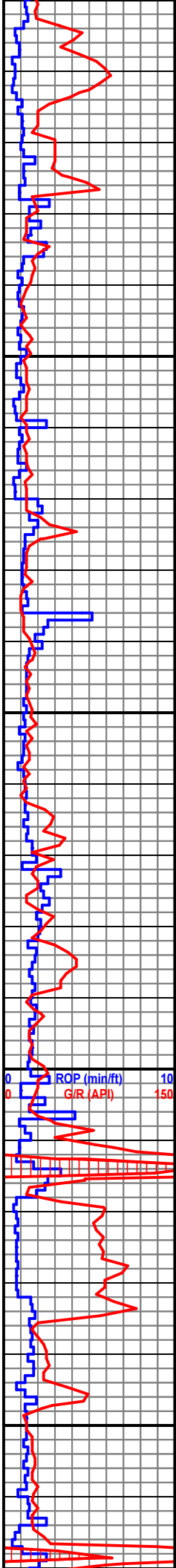
MD 4356 TVD 4340.28
INC 28 AZ 345.1
VS 89.32

MD 4384 TVD 4364.69
INC 30.7 AZ 344.6
VS 102.59

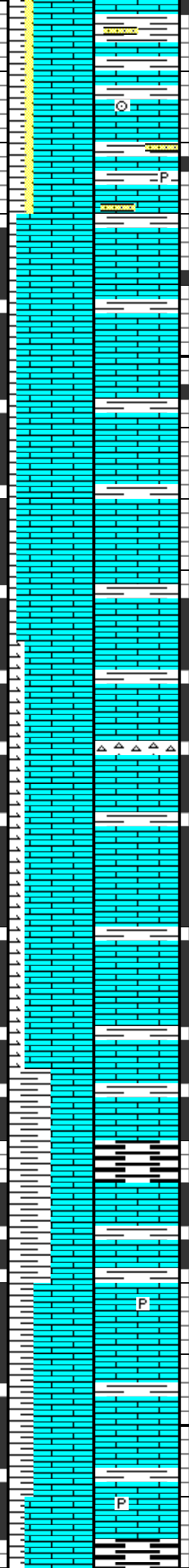
WOB: 16.8
RPM: 0
SPM: 123
PSI: 1843

MD 4419 TVD 4394.51
INC 32.4 AZ 344.1
VS 120.25

MD 4450 TVD 4420.32
INC 34.9 AZ 344.9
VS 136.83



42
4300
4350
4400
4450



LS: PRED OFF WHT, SME CRM,
TR LT TAN, MSTLY CRPXLN,
SME MICROXLN, PRED BLKY,
SME PLTY, FRM, SME BRTL;
SH: PRED MED GY, SME BLK,
MSTLY FN TXT, SME VFN,
PRED CHNKY, SME BLKY, SFT,
SME FRM; SS: MSTLY OFF
WHT, SME CARB, MSTLY FN,
WL RND, WL SRT, FRI; TR
YELSH FLOR, NO VIS CUT, NO
RES RING

LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, TRC CHRT, MSTLY
SFT MED, SME FRM, SME HRD,
SME HL FRAC, V POR YEL
FLOR, NO CUT, NO RES RNG

LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, MSTLY SFT MED,
SME FRM, SME HRD, SME HL
FRAC, POR YEL FLOR, NO
CUT, NO RES RNG

SH: PRED LT GRY, SME DRK
GRY, SME GRY, MSTLY FN TXT,
SME MED TXT, MSTLY SFT
MED, SME FRM, ABUND CRB
SH, SME LS, MSTLY BLKY,
SME PLTY, SME SPLINTRY,
SME ANG, SME SUB ANG, SME
RD

FG 28 U.
SVY G 22 U.

KD

TST G 45 U.

SANDRIDGE ENERGY LORI 3510 3-2H

KD

CG 32 U.

MD 4478 TVD 4442.94
INC 37.3 AZ 345.2
VS 152.79

MD 4513 TVD 4470.17
INC 40.5 AZ 345.8
VS 174.1

MD 4545 TVD 4494.01
INC 43.2 AZ 345.4
VS 194.81

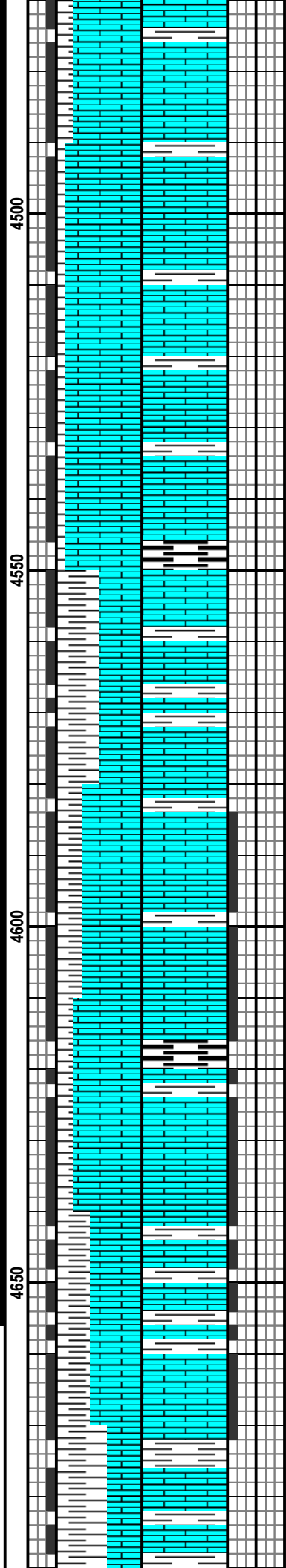
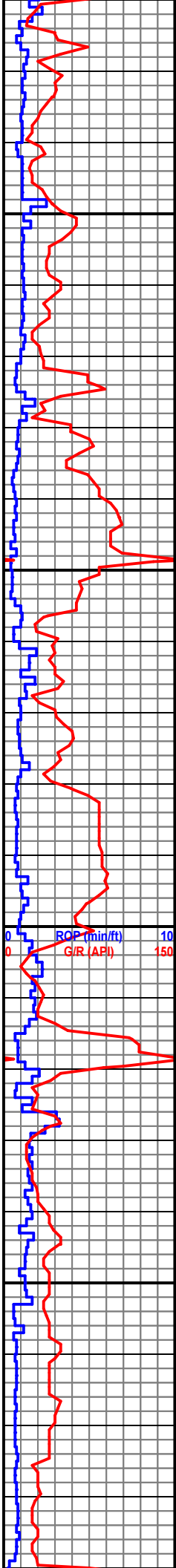
MD 4576 TVD 4516.14
INC 45.7 AZ 345.3
VS 215.85

WOB: 16.3
RPM: 0
SPM: 123
PSI: 1785

MD 4608 TVD 4537.94
INC 48.4 AZ 345.8
VS 238.56

11/30/2012

MD 4671 TVD 4578.39
INC 51.7 AZ 346
VS 285.47



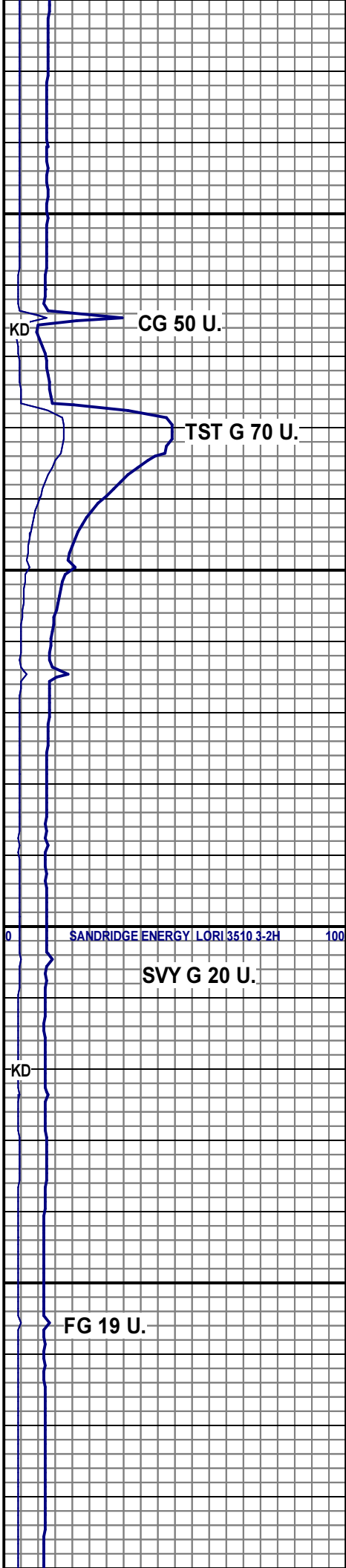
LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, TRC CRB SH, MSTLY
SFT MED, SME FRM, SME HRD,
SME HL FRAC, V POR YEL
FLOR, NO CUT, NO RES RNG

SH: PRED DRK GRY, SME LT
GRY, SME GRY, MSTLY FN TXT,
SME MED TXT, MSTLY SFT
MED, SME FRM, SME CRB SH,
SME LS, MSTLY BLKY, SME
PLTY, SME SPLINTRY, SME
ANG, SME SUB ANG, SME RD

LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, OCC CRB SH, MSTLY
SFT MED, SME FRM, SME HRD,
SME HL FRAC, POR YEL FLOR,
NO CUT, NO RES RNG

OSWEGO@ 4,618' MD
4,545' TVD

LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, TRC CRB SH, MSTLY
SFT MED, SME FRM, SME HRD,
SME HL FRAC, POR YEL FLOR,
NO CUT, NO RES RNG



CG 50 U.

TST G 70 U.

SVY G 20 U.

FG 19 U.

MD 4766 TVD 4638.11
INC 50.4 AZ 344.4
VS 357.01

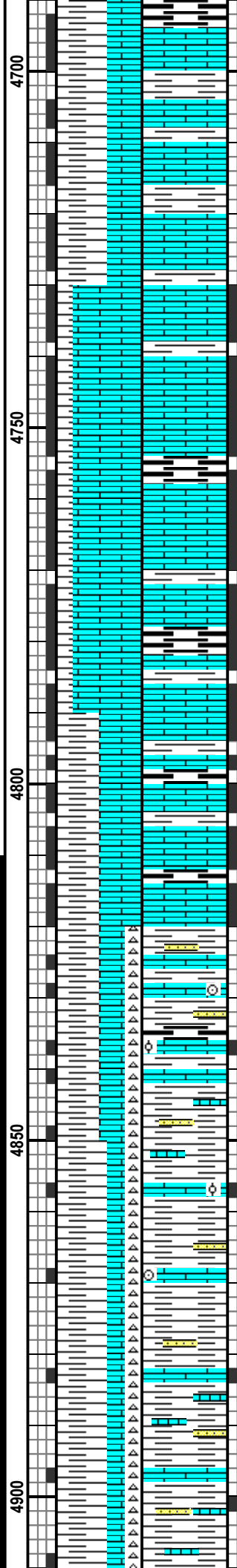
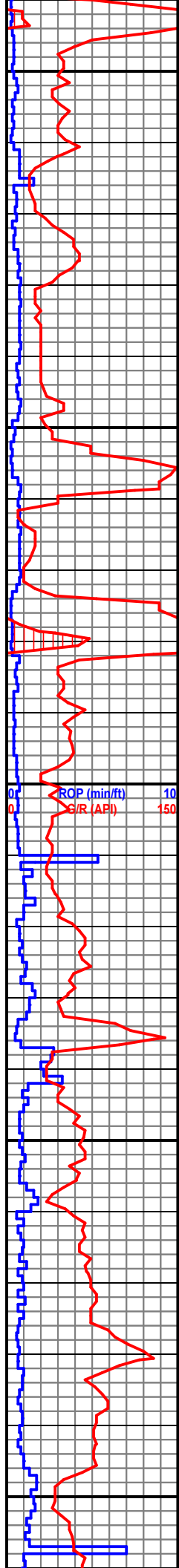
WOB: 26.3
RPM: 25
SPM: 123
PSI: 2039

MD 4798 TVD 4658.66
INC 49.7 AZ 343.7
VS 380.64

MD 4830 TVD 4678.97
INC 51.5 AZ 343.7
VS 404.41

MD 4859 TVD 4696.56
INC 53.8 AZ 344.4
VS 426.61

MD 4894 TVD 4716.38
INC 57.2 AZ 344.9
VS 454.47



SH: PRED LT GRY, SME DRK
GRY, SME GRY, MSTLY FN TXT,
SME MED TXT, MSTLY SFT
MED, SME FRM, ABUND CRB
SH, SME LS, MSTLY BLKY,
SME PLTY, SME SPLINTRY,
SME ANG, SME SUB ANG, SME
RD

LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, TRC CRB SH, MSTLY
SFT MED, SME FRM, SME HRD,
SME HL FRAC, POR YEL FLOR,
NO CUT, NO RES RNG

CHEROKEE@ 4,756'
MD 4,631' TVD (-3319)

VERDIGRIS @
4780'MD 4,647'TVD
(-3335)

LS: PRED CRM, SME OFF WHT,
SME TN, MSTLY FN XTLN, SME
V FN XTLN, SME CRS XTLN,
SME SH, ABUND CRB SH,
MSTLY SFT MED, SME FRM,
SME HRD, SME HL FRAC, POR
YEL FLOR, NO CUT, NO RES
RNG

SH: MSTLY LT GY, SME MED
GY, TR BLKY, PRED VFN TXT,
FLKY/PLTY, SME CHNKY, SFT;
LS: PRED OFF WHT, SME CRM,
SME LT TAN, CRPXLN, BLKY,
FRM, BRTL; SS: PRED WHT,
VFN, TR CALC, WL SRT, WL
RND, FRI; CHRT: WHT, VFN
XLN, BLKY, HRD; SCAT YEL
FLOR, NO VIS CUT, NO RES
RING

SH: MNLY LT GY, SME GRNSH,
SME LT TAN, SME BRN, FN
TXT, PRED CHNKY, SME FLKY,
SFT - MOD FRM; LS: PRED
OFF WHT, SME CRM, SME LT
TAN, CRPXLN, BLKY, FRM,
BRTL; SS: PRED WHT, VFN, TR
CALC, WL SRT, WL RND, FRI;
CHRT: WHT, VFN XLN, BLKY,
HRD; SCAT YEL FLOR, NO VIS
CUT, NO RES RING

KD

FG 21 U.

SANDRIDGE ENERGY LORI/3510 3-2H

KD

CG 54 U.

BG 23 U.

KD

MD 4926 TVD 4733.12
INC 59.7 AZ 345.3
VS 480.86

MD 4957 TVD 4748.2
INC 62.1 AZ 346.7
VS 507.19

MD 4989 TVD 4762.85
INC 63.4 AZ 348.8
VS 535.02

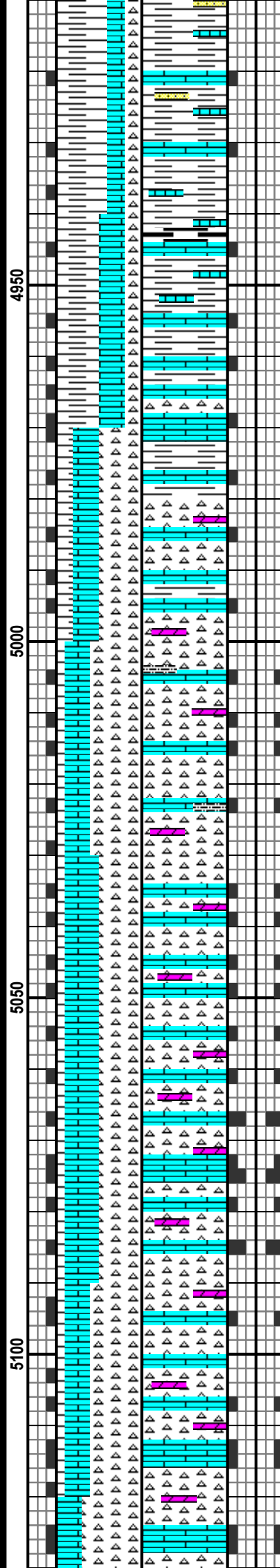
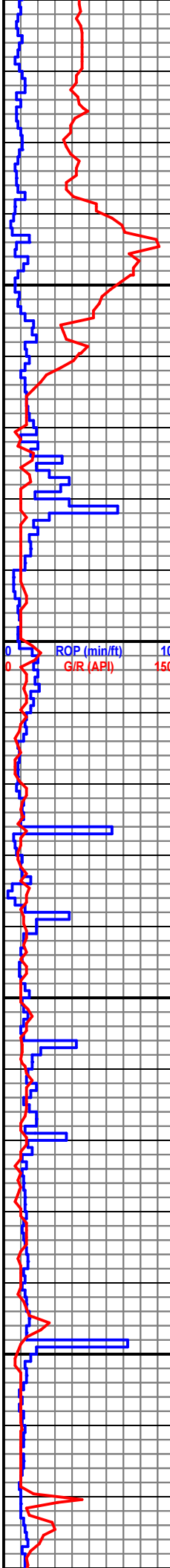
WOB: 23.4
RPM: 0
SPM: 141
PSI: 2314

MD 5021 TVD 4776.83
INC 64.8 AZ 351.1
VS 563.39

MD 5053 TVD 4789.9
INC 67 AZ 352.2
VS 592.32

MD 5084 TVD 4801.21
INC 70.2 AZ 353.6
VS 620.97

MD 5116 TVD 4811.23
INC 73.3 AZ 354.5
VS 651.22



CHRT: MSTLY TRNSL WHT,
ABUN CLR, MNLY MASS XLN,
SME VFN, PRED HRD - VRY
HRD; LS: MSTLY OFF WHT -
CRM, SME LT TAN, MSTLY
CRPXLN, PRED BLKY, FRM,
BRTL, SME PP POR, SME HL
FRAC POR; SH: MSTLY LT GY,
SME BLK, PRED FN - VFN TXT,
MSTLY FLKY/PLTY, SME
CHNKY, PRED SFT, SME FRM;
SME GRNSH YEL FLOR, NO
VIS CUT, NO RES RING

**MISSISSIPPI @
4,963'MD 4,751'TVD
(-3439)**

CHRT: PRED TRNSL WHT - OFF
WHT, SME CLR, SME OPQ
WHT - CRM, MSTLY VFN XLN,
SME MASS, PRED BLKY, SUB
ANG, HRD - VRY HRD, SME
BRTL, SME DOL/CALC SPIC
INCL; LS: PRED OFF WHT -
WHT, SME CRM, SME LT GY,
PRED CRPXLN, BLKY, SUB
ANG - SUB RND, FRM - BRTL,
SME HL FRAC POR, SME PP
POR; SH: PRED MED GY, SME
BLK, PRED FLKY/PLTY, SME
CHNKY, SFT - FRM, SME BRTL;
ABUN YELSH GRN FLOR, SLW
MLKY CUT, THN WHT RES
RING

CHRT: MSTLY TRNSL WHT -
OFF WHT, SME OPQ WHT -
WHT, SME CRM, SME CLR,
MSTLY VFN TXT, HRD - VRY
HRD, SME BRTL, SME FRAC,
ABUN DOL/CALC SPIC INCL;
LS: PRED OFF WHT - WHT,
SME CRM, SME LT GY, PRED
CRPXLN, BLKY, SUB ANG -
RUB RND, FRM - BRTL, SME HL
FRAC POR, SME PP POR; SH:
MSTLY DRK GY - BLK,
FLKY/PLTY, FRM, BRTL, ABUN
YLSH GRN FLOR; FAST MLKY
CUT, GRNSH WHT RES RING

CHRT: MSTLY OPQ CRM, SME
TRNSL OFF WHT - WHT, SME
LT TAN, SCAT CLR, VFN -
MASS XLN, BLKY, BRTL, ABUN
DOL/CALC INCL; LS: PRED
OFF WHT, SME LT TAN, PRED
PLTY, FRM, BRTL, SME HL
FRAC POR, SME GRNSH FLOR,
SLW MLKY CUT, NO VIS RES
RING

BG 20 U.

FG/CG 37 U.

FG 35 U.

DTG 43 U.

CG 29 U.

MUD CK
@5,060'
MW: 9.30
FV: 43
PV: 1
YP: 17
GEL: 4 / 14
API: 4.4
CAKE: 1 /
SOL: 7.0%
WAT: 93.0%
PH: 10.0
FA: 0.2 / 0.8
CHL: 9500
HARD: 120

MD 5148 TVD 4819.64
INC 76.2 AZ 355.5
VS 681.98

MD 5180 TVD 4826.57
INC 78.8 AZ 355.1
VS 713.13

WOB: 45.3
RPM: 0
SPM: 142
PSI: 2317

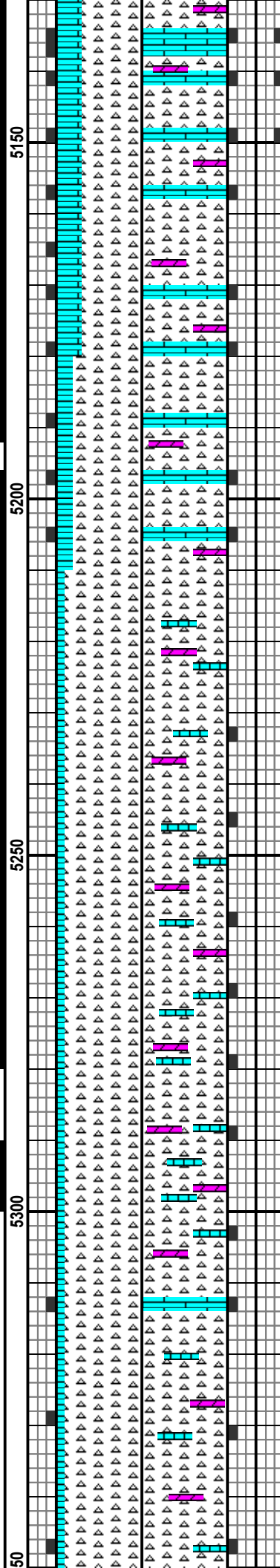
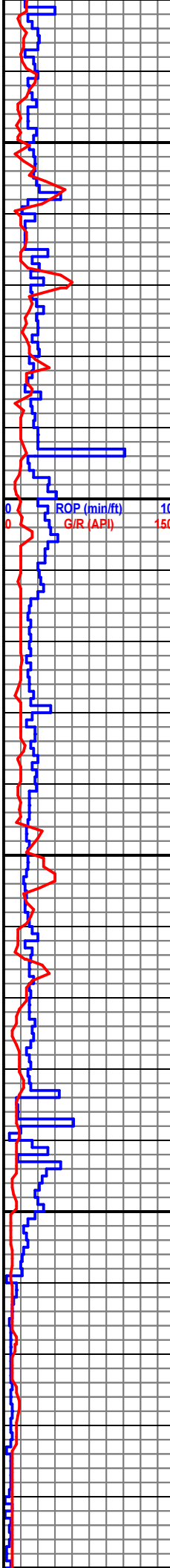
MD 5212 TVD 4831.96
INC 81.8 AZ 354.9
VS 744.57

MD 5242 TVD 4835.33
INC 85.3 AZ 354.7
VS 774.27

MD 5260 TVD 4836.51
INC 87.2 AZ 354.2
VS 792.15

12/01/2012

MD 5334 TVD 4837.42
INC 90.8 AZ 353.4
VS 868.89



CHRT: MSTLY OPQ CRM, SME
OPQ / TRNSL OFF WHT - WHT,
SCAT CLR, MSTLY VFN TXT,
SME MASS, BLKY, PRED SUB
ANG, HRD - VRY HRD, ABUN
DOL/CACL INCL; LS: MSTLY
OFF WHT - WHT, SME CRM,
SME LT TAN, PRED BLKY, SME
PLTY, BRTL, SME HL FRAC
POR; TR LT GRNSH FLOR, NO
VIS CUT, NO VIS RES RING

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, SME
CLR, MSTLY VFN TXT, SME
MASS, MSTLY BLKY, SUB ANG
, HRD, ABUN CALC/DOL INCL;
LS: PRED OFF WHT, SME LT
GY, MSTLY CRPXLN, BLKY,
SUB ANG - SUB RND, SME HL
FRAC POR, FRM; TR GRNSH
FLOR, NO VIS FLOR, NO RES
RING

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, SME
CLR, MSTLY V FN TXT, SME
MASS, MSTLY BLKY, MSTLY
SUB ANG, SME ANG, MSTLY
HRD, ABUN CALC/DOL INCL,
SME LS, POR YEL FLOR, NO
CUT, NO RES RNG

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, SME
CLR, MSTLY V FN TXT, SME
MASS, MSTLY BLKY, MSTLY
SUB ANG, SME ANG, MSTLY
HRD, ABUN CALC/DOL INCL,
SME LS, POR YEL FLOR, NO
CUT, NO RES RNG

TOH @ 5,305' FOR
INTERMEDIATE
CASING
BIT# 4: 6.125"
HALLIBURTON
MM64D; SER# 761770;
JETS: 4-12S, 2-14;

BHA: 4.75" MOTOR;
4.75" UBHO SUB;
4.75" NMDC SLICK;
4.75" FLEX COLL AP;

SVY G 24 U.

CG 26 U.

SANDRIDGE ENERGY LORI 3510 3-2H

TST G 50 U.

SVY G 35 U.

CG 34 U.

TG 69 U.

DTG 48 U.

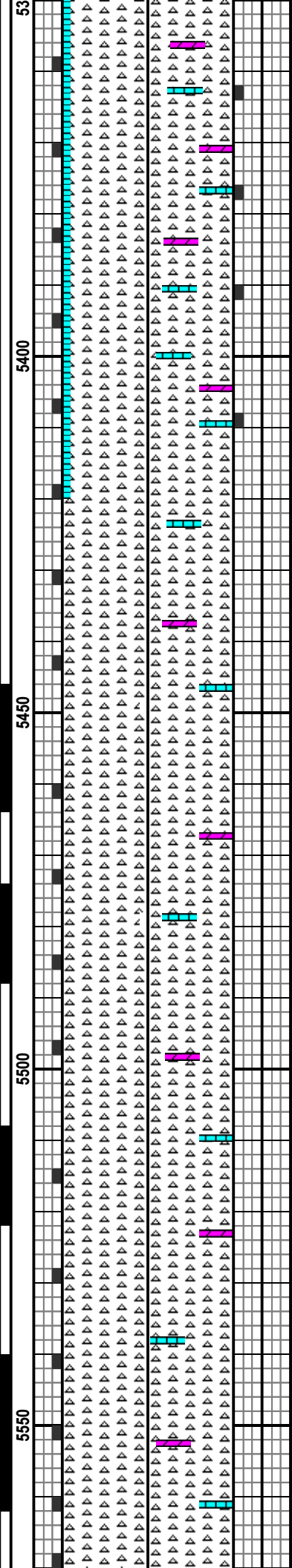
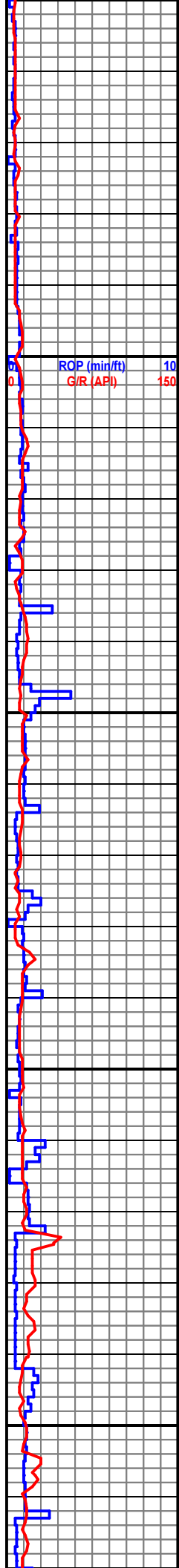
MUD CK
@5,850'
MW: 8.35
FV: 26
PV: 1
YP: 1
GEL: 1 / 1
API:
CAKE: /
SOL: 0.5%
WAT: 99.5%
PH: 8.0
FA: 0.05 / 0.3
CHI: 1000

WOB: 16.7
RPM: 59
SPM: 89
PSI: 1578

MD 5429 TVD 4835.6
INC 91.4 AZ 352.7
VS 963.42

12/02/2012

MD 5524 TVD 4834.02
INC 90.5 AZ 357.3
VS 1058.18



4.75 FLEX COLLAR,
X-OVER; 4" XT-39 DP;
45JTS 4" HWDP
RPG: 0.63
MOTOR BEND: 1.50

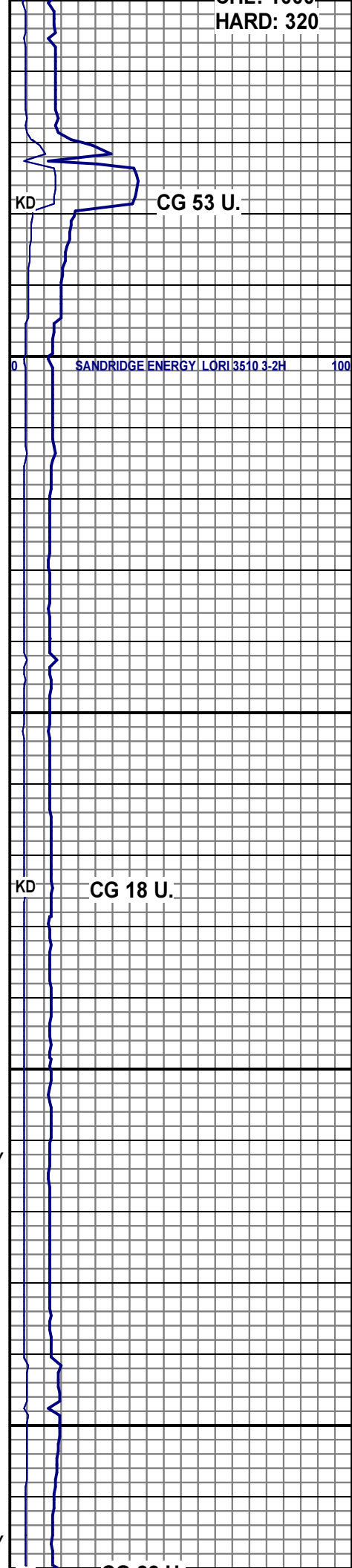
CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, SME
CLR, MSTLY V FN TXT, SME
MASS, MSTLY BLKY, MSTLY
SUB ANG, SME ANG, MSTLY
HRD, ABUN CALC/DOL INCL,
SME LS, POR YEL FLOR, NO
CUT, NO RES RNG

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, SME
CLR, MSTLY V FN TXT, SME
MASS, MSTLY BLKY, MSTLY
SUB ANG, SME ANG, MSTLY
HRD, ABUN CALC/DOL INCL,
SME LS, POR YEL FLOR, NO
CUT, NO RES RNG

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, SME
CLR, MSTLY V FN TXT, SME
MASS, MSTLY BLKY, MSTLY
SUB ANG, SME ANG, MSTLY
HRD, ABUN CALC/DOL INCL,
POR YEL FLOR, NO CUT, NO
RES RNG

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, MSTLY
V FN TXT, SME MASS, MSTLY
BLKY, MSTLY SUB ANG, SME
ANG, MSTLY HRD, ABUN
CALC/DOL INCL, POR YEL
FLOR, NO CUT, NO RES RNG

CHRT: PRED OPQ CRM, SME
OFF WHT, SCAT TRNSL, MSTLY
V FN TXT, SME MASS, MSTLY



ONE: 1000
HARD: 320

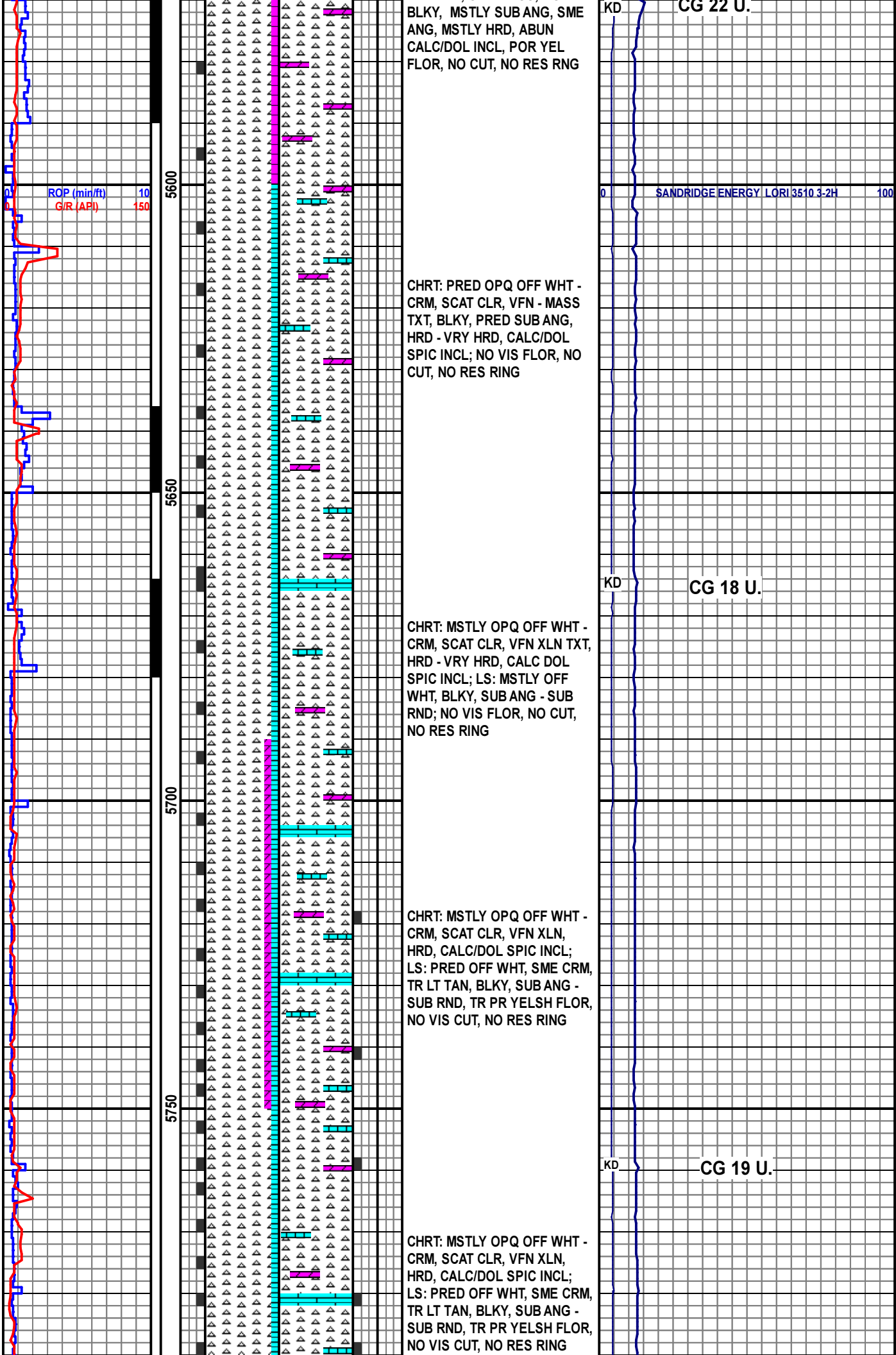
CG 53 U.

SANDRIDGE ENERGY LORI 3510 3-2H

CG 18 U.

MD 5620 TVD 4831.76
INC 92.2 AZ 0.1
VS 1154.14

MD 5714 TVD 4828.15
INC 92.2 AZ 1.8
VS 1247.99



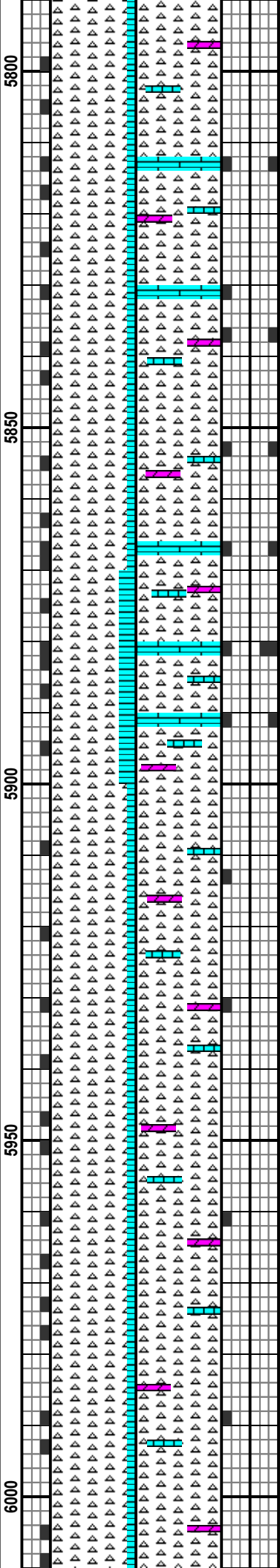
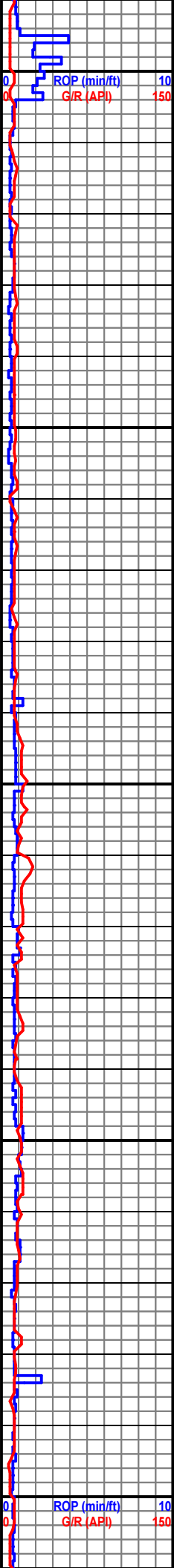
WOB: 16.3
RPM: 0
SPM: 90
PSI:1466

MD 5810 TVD 4825.72
INC 90.7 AZ 1.3
VS 1343.84

MD 5904 TVD 4824
INC 91.4 AZ 0.9
VS 1437.73

WOB: 22.2
RPM: 54
SPM: 89
PSI: 1541

MD 6000 TVD 4821.07
INC 92.1 AZ 0.9
VS 1533.62

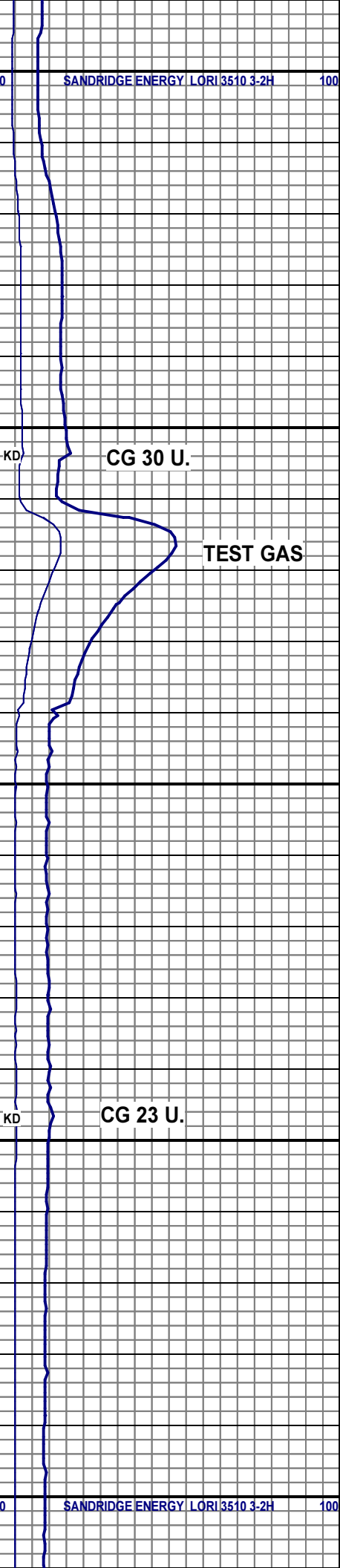


CHRT: MSTLY WHT - OFF WHT, SME CRM INCL, VFN XLN, CALC DOL SPIC INCL, HRD, TR BRTL; LS: PRED OFF WHT - CRM, BLKY, SUB ANG - SUB RND, TR HL FRAC POR, TR FR GRNSH YEL FLOR, SLW PR GRNSH MLKY CUT, NO RES RING

CHRT: MSTLY WHT - OFF WHT, SME CRM INCL, VFN XLN, CALC DOL SPIC INCL, HRD, TR BRTL; LS: PRED OFF WHT - CRM, BLKY, SUB ANG - SUB RND, TR HL FRAC POR, TR BRT GRNSH YEL FLOR, SLW FR GRNSH MLKY CUT, THN GRNSH RES RING

CHRT: MOSTLY WHT - OFF WHT, SME CRM, VFN XLN, SUB ANG - SUB RND, CALC/DOL SPIC INCL, HRD, TR BRTL; LS: MSTLY OFF WHT, CRPXLN, BLKY, SME PLTY, TR HL FRAC POR; TR GRNSH FLOR, NO VIS CUT, NO RES RING

CHRT: MSTLY WHT, SCAT OFF WHT, TR CRM, VFN XLN, PRED SUB ANG, ABUN DOL/CALC INCL; LS: MSTLY OFF WHT - WHT, CRPXLN, SUB RND, BLKY/PLTY, FRM; TR GRNSH FLOR, NO VIS CUT, NO RES RING

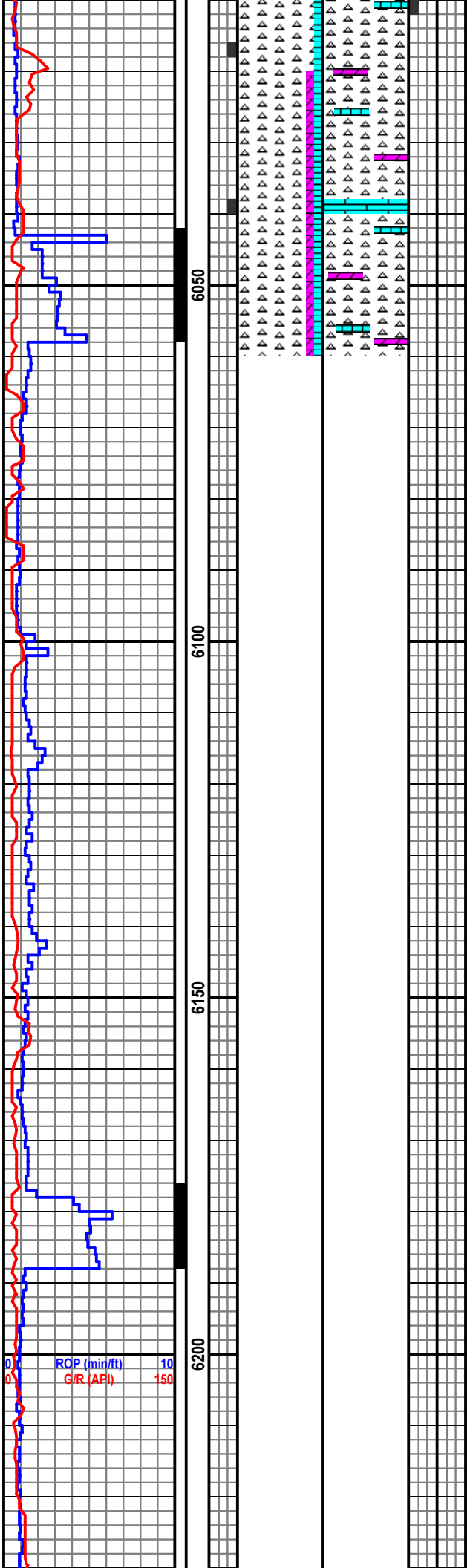


CG 30 U.
TEST GAS

CG 23 U.

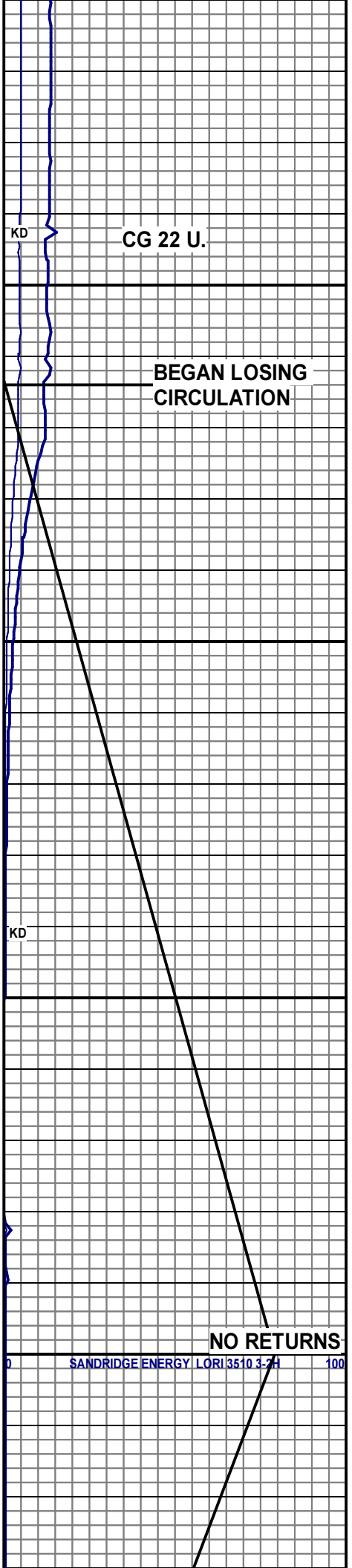
MD 6095 TVD 4819.74
INC 89.5 AZ 0.3
VS 1628.55

MD 6191 TVD 4820.91
INC 89.5 AZ 0.3
WOB: 27.8
RPM: 61
SPM: 90
PSI: 1496



CHRT: MSTLY WHT, SCAT OFF
WHT, TR CRM, TR CLR, VFN
XLN, MSTLY SUB ANG,
DOL/CALC INCL, HRD - VRY
HRD, SME BRTL; LS: MSTLY
OFF WHT - WHT, CRPXLN, SUB
RND - SUB ANG, BLKY/PLTY,
FRM; DOL: TR; NO VIS FLOR,
NO VIS CUT, NO RES RING

LOST CIRCULATION



KD CG 22 U.

BEGAN LOSING
CIRCULATION

KD

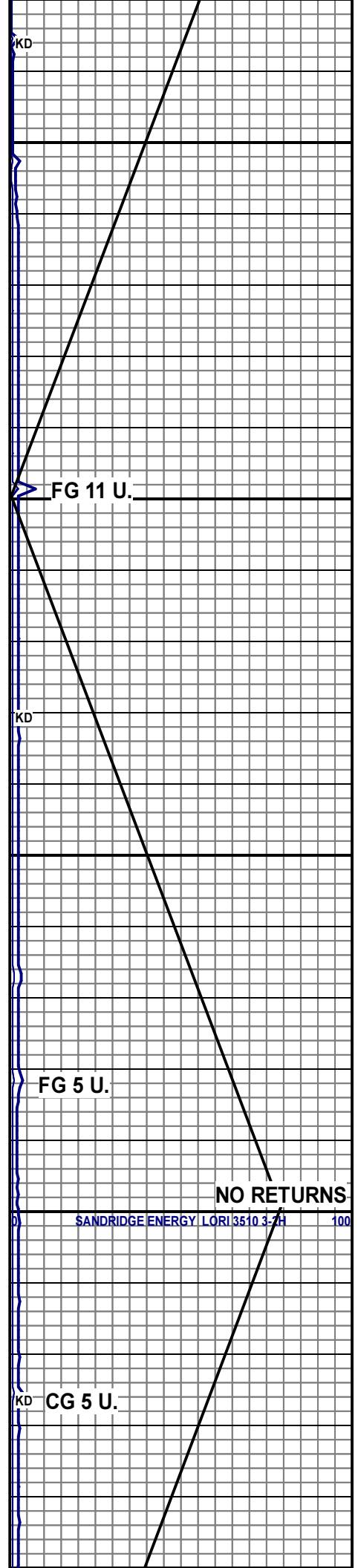
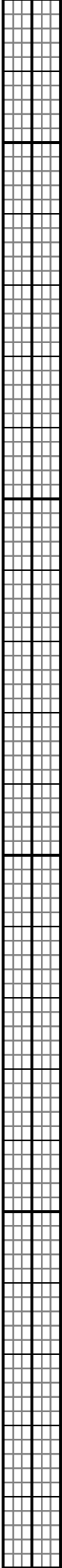
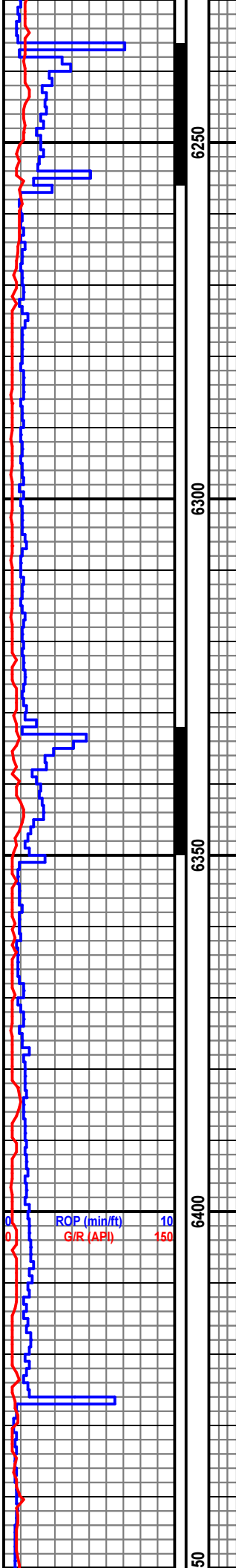
NO RETURNS

SANDRIDGE ENERGY LORI 3510 3-7H 100

MD 6287 TVD 4821.58
INC 90.1 AZ 0.9
VS 1820.43

MD 6382 TVD 4820.09
INC 91.7 AZ 1.3
VS 1915.32

WOB: 20
RPM: 54
SPM: 91
PSI: 1439

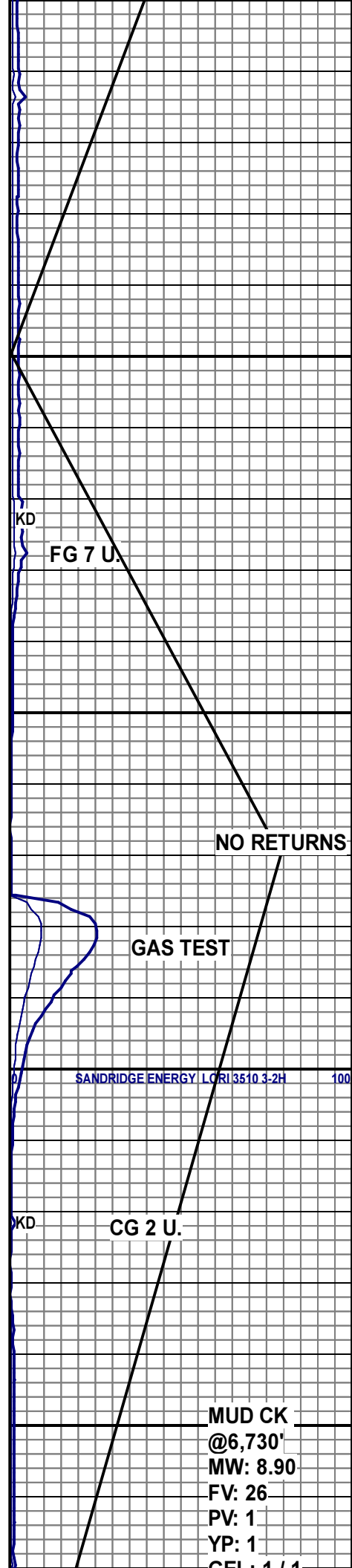
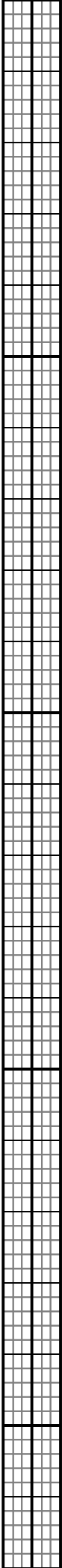
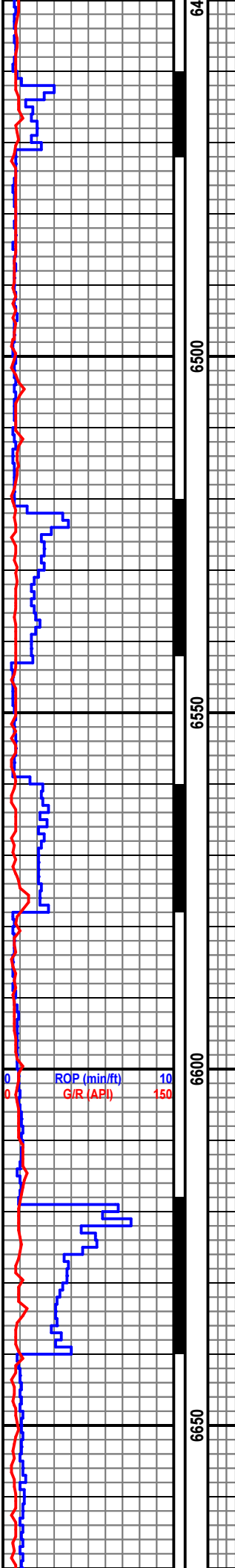


12/03/2012

MD 6477 TVD 4818.68
INC 90 AZ 359.3
VS 2010.26

MD 6574 TVD 4817.58
INC 91.3 AZ 359.6
VS 2107.25

WOB: 28.2
RPM: 64
SPM: 92
PSI: 1518

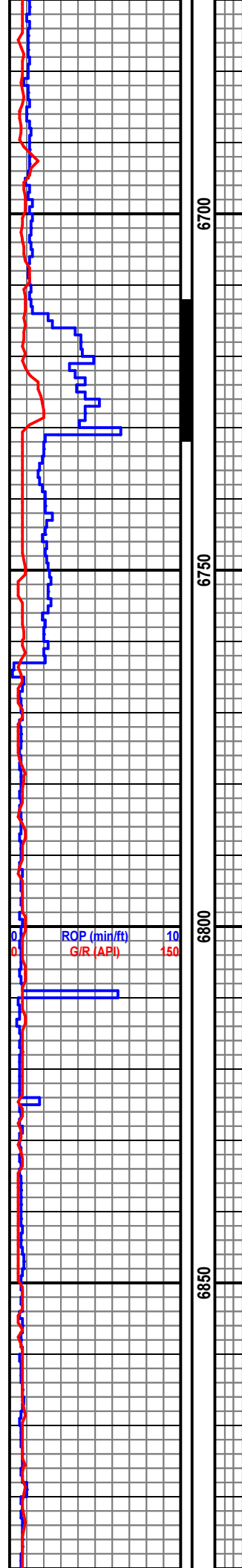


MD 6669 TVD 4815.76
INC 90.9 AZ 359.3
VS 2202.23

MD 6765 TVD 4813.58
INC 91.7 AZ 0.4
VS 2298.17

WOB: 21.8
RPM: 61
SPM: 91
PSI: 1500

MD 6860 TVD 4810.27
INC 92.3 AZ 1.2
VS 2393.04



6700
6750
6800
6850

TOH FOR NEW BIT
AND MOTOR @
6,763'MD

BIT# 5: 6.125"
HALLIBURTON
MM64D;
SER#: 761770;
JETS: 4-12S, 2-14;
BHA: 4.75" MOTOR;
4.75" UBHO SUB;
4.75" NMDC SLICK;
4.75" FLEX COLLAR;
X-OVER; 4" XT-39
DRILL PIPE;
RPG: 0.63
MOTOR BEND: 1.50

GEL: 17.1
API:
CAKE: /
SOL: 3.0%
WAT: 97.0%
PH: 7.0
FA: /
CHL: 60000
HARD: 4000

KD CG 5 U.

NO RETURNS

SANDRIDGE ENERGY LORI 3510 3-2H 100

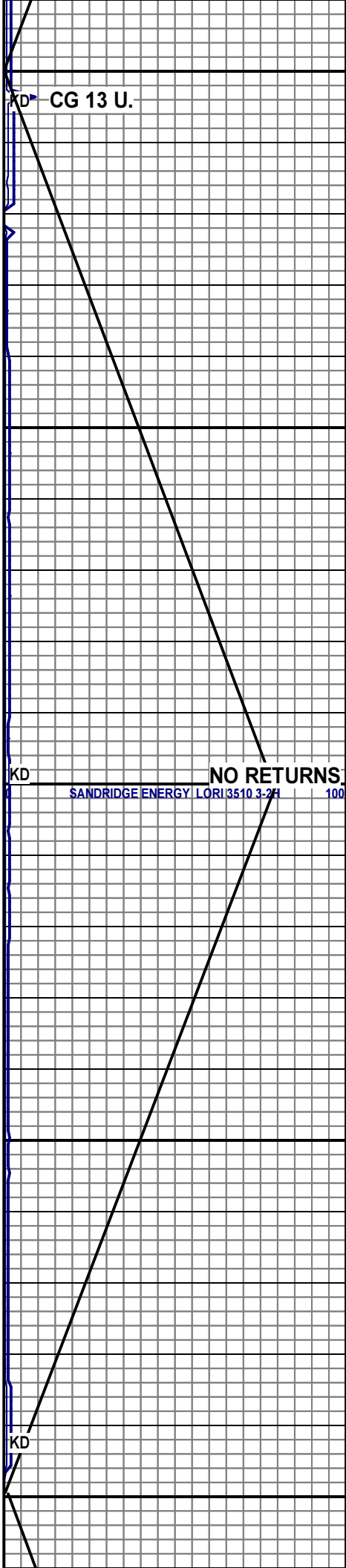
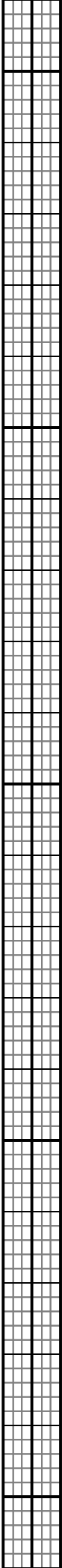
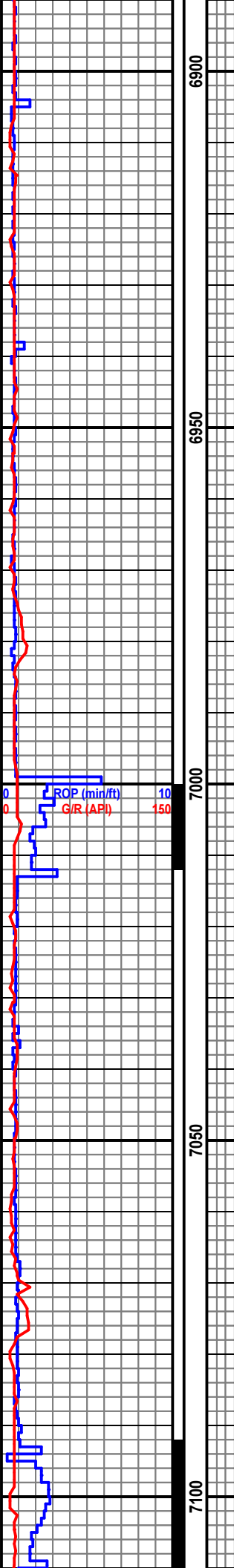
KD CG 3 U.

MD 6954 TVD 4806.17
INC 92.7 AZ 0.5
VS 2486.89

WOB: 18.4
RPM: 0
SPM: 91
PSI: 1337

MD 7049 TVD 4802.6
INC 91.6 AZ 0.1
VS 2581.78

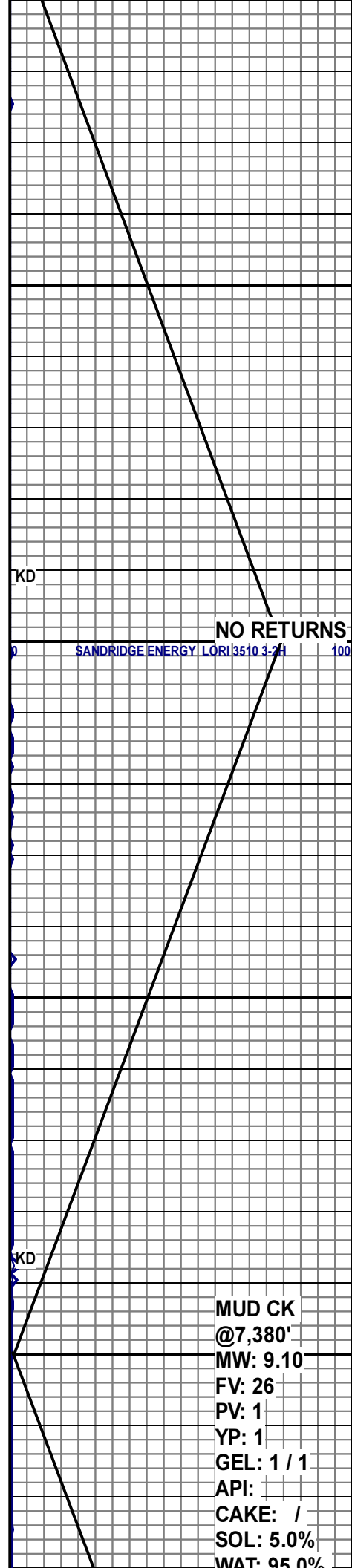
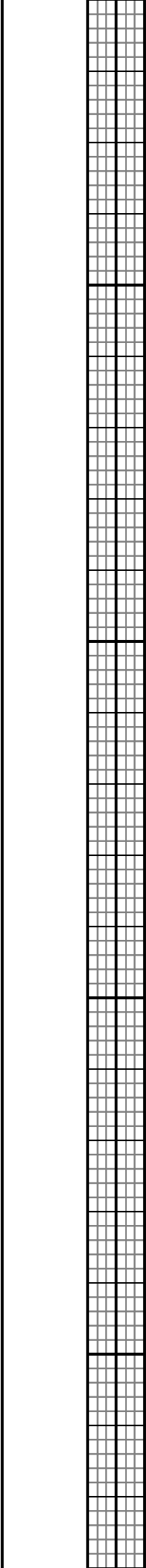
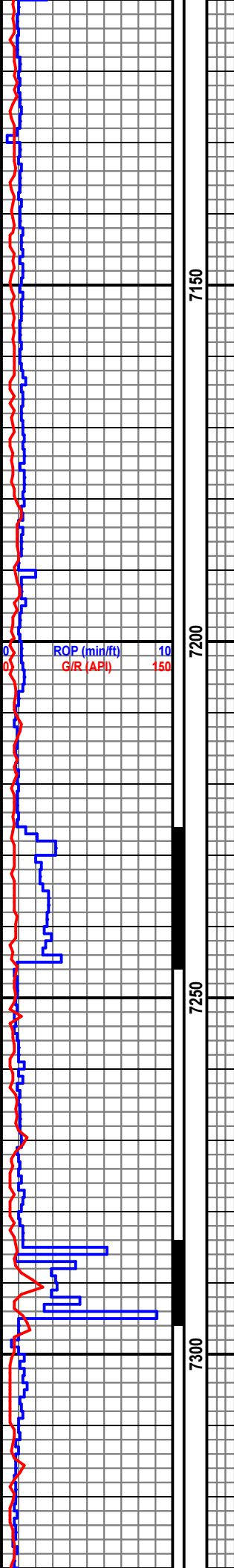
12/04/2012



MD 7144 TVD 4801.36
INC 89.9 AZ 359.7
VS 2676.75

WOB: 21.8
RPM: 61
SPM: 91
PSI: 1536

MD 7240 TVD 4802.78
INC 88.4 AZ 0
VS 2772.71

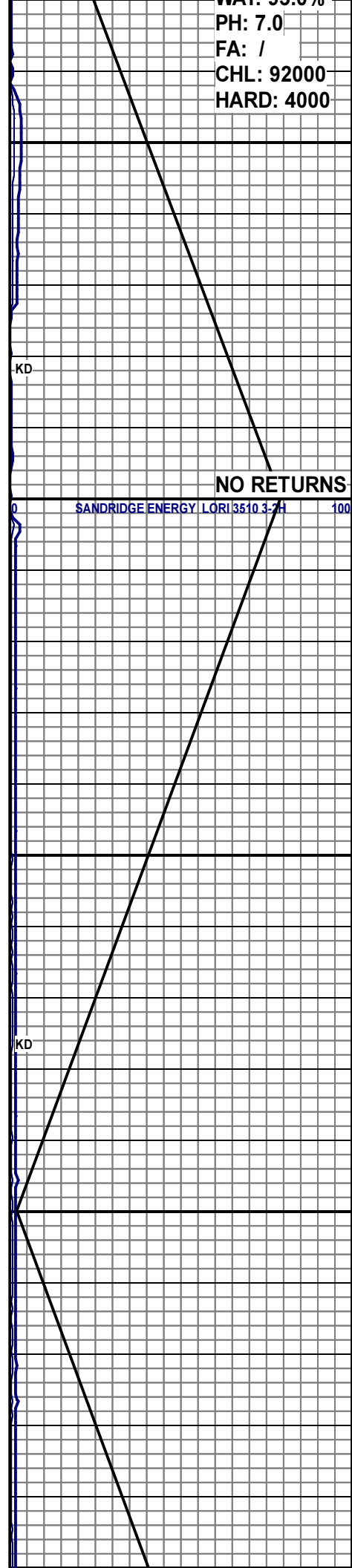
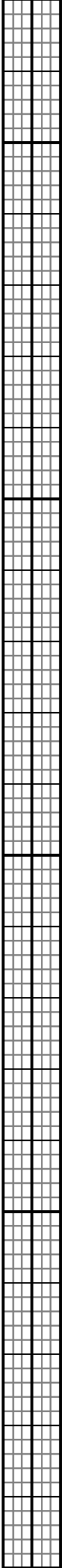
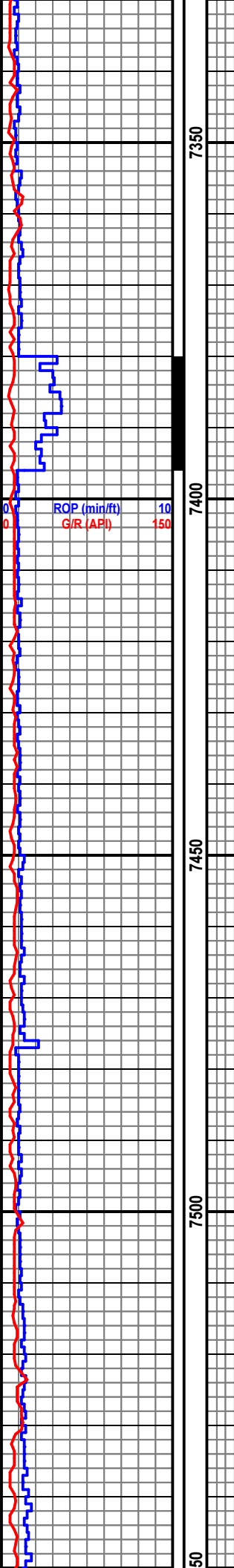


MD 7335 TVD 4804.19
INC 89.9 AZ 358.9
VS 2867.7

WOB: 18.5
RPM: 55
SPM: 84
PSI:1491

MD 7432 TVD 4804.78
INC 89.4 AZ 0.2
VS 2964.66

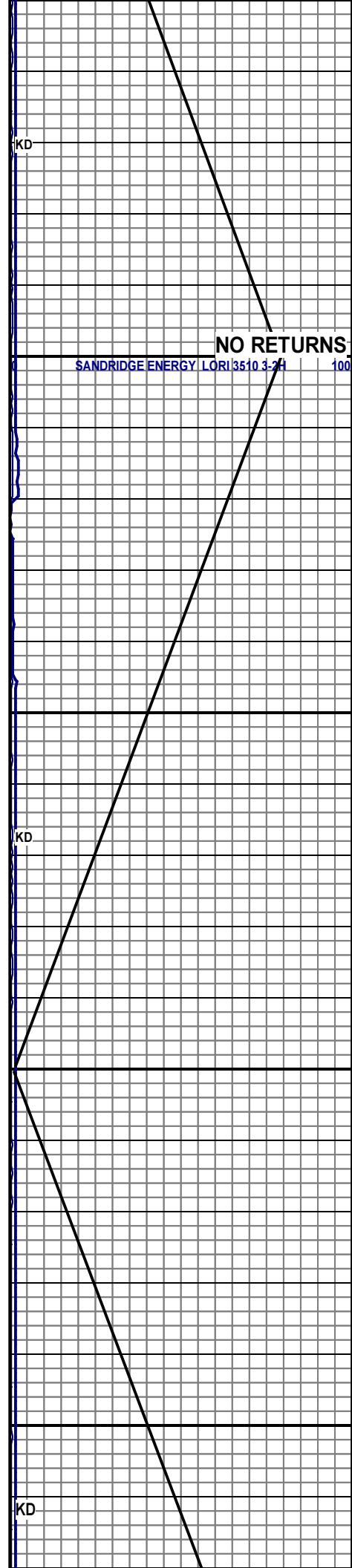
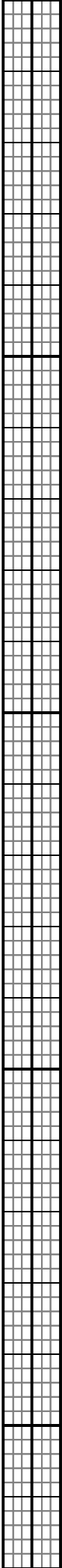
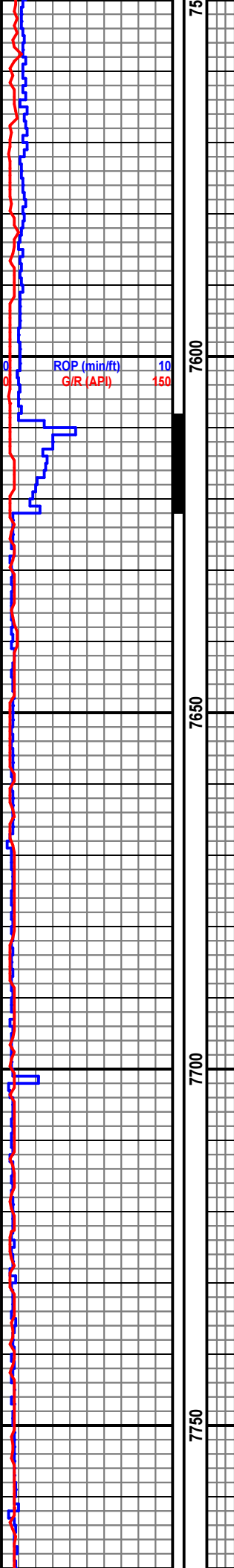
MD 7527 TVD 4805.2
INC 90.1 AZ 359.7
VS 3059.64



WOB: 23.8
RPM: 0
SPM: 90
PSI: 1516

MD 7622 TVD 4806.03
INC 88.9 AZ 0.5
VS 3154.6

MD 7717 TVD 4807.27
INC 89.6 AZ 0.2
VS 3249.57

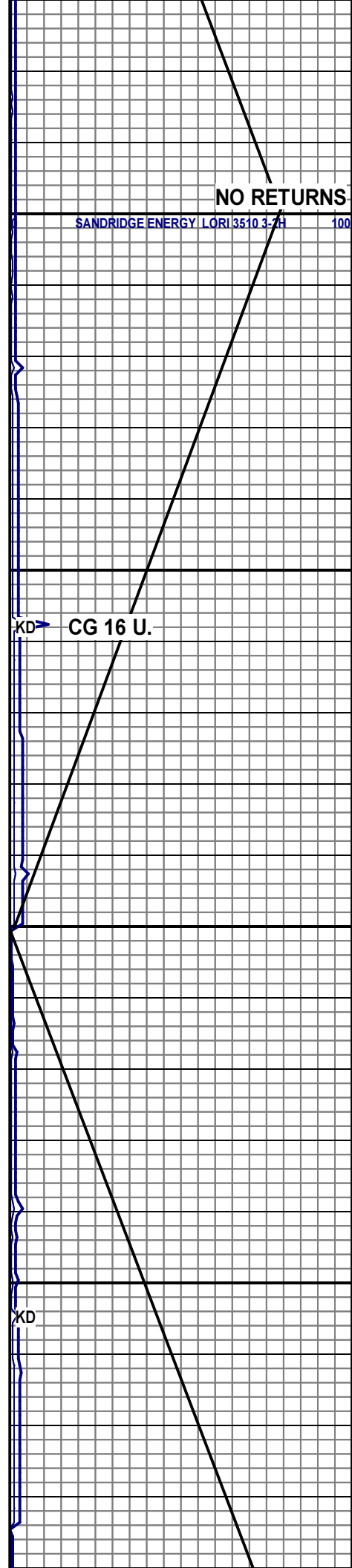
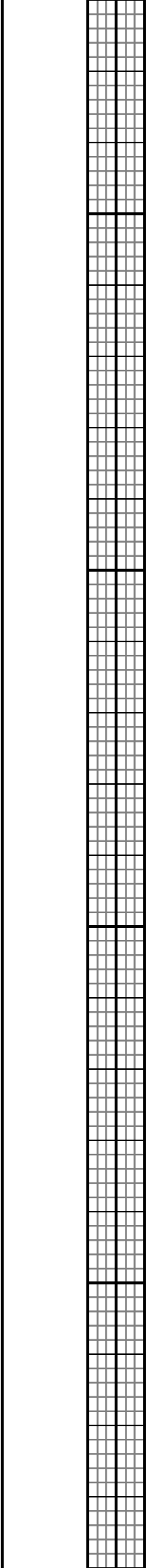
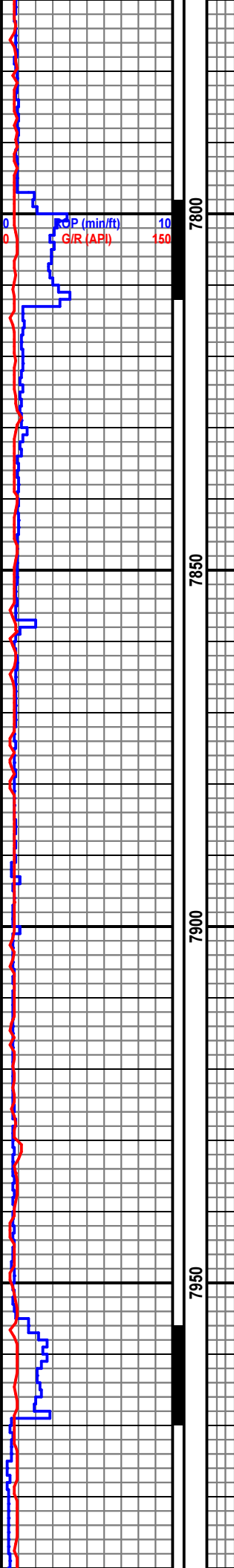


WOB: 30.7
RPM: 0
SPM: 88
PSI: 1387

MD 7813 TVD 4806.69
INC 91.1 AZ 0.4
VS 3345.5

MD 7908 TVD 4803.45
INC 92.8 AZ 0
VS 3440.42

WOB: 30.4



WOB: 20.4
RPM: 61
SPM: 85
PSI: 1637

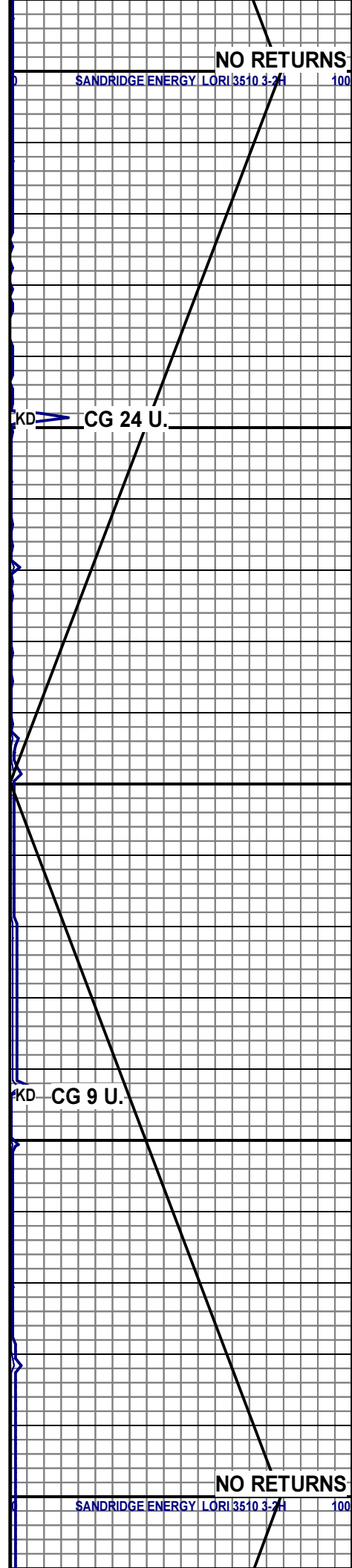
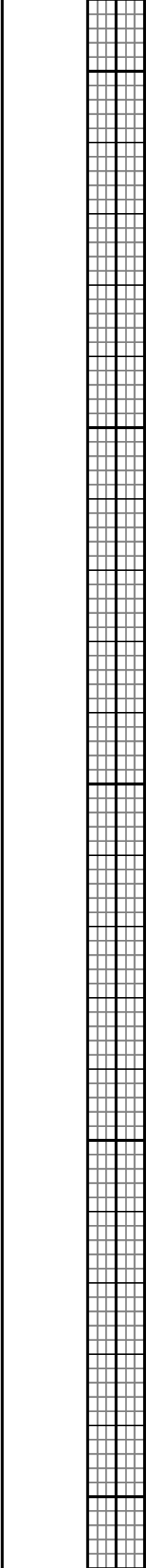
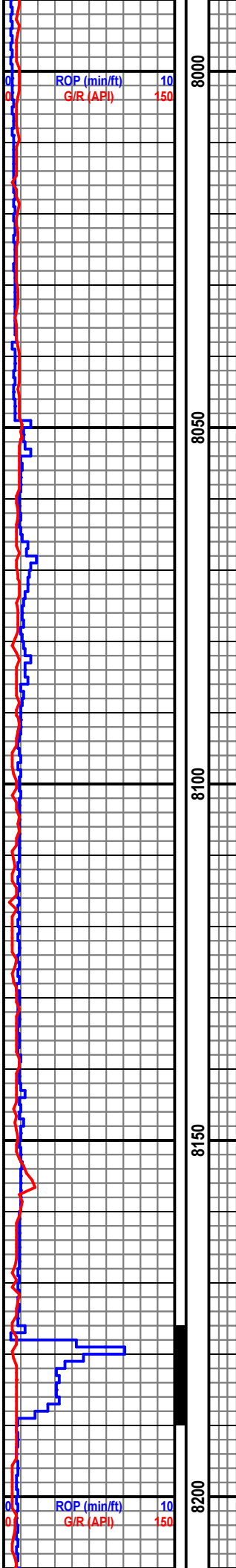
MD 8004 TVD 4800.27
INC 91.1 AZ 359.6
VS 3536.34

MD 8098 TVD 4798.55
INC 91.1 AZ 359.5
VS 3630.31

12/5/2012

MD 8194 TVD 4797.29
INC 90.4 AZ 359.3
VS 3726.28

WOB: 18.8
RPM: 58

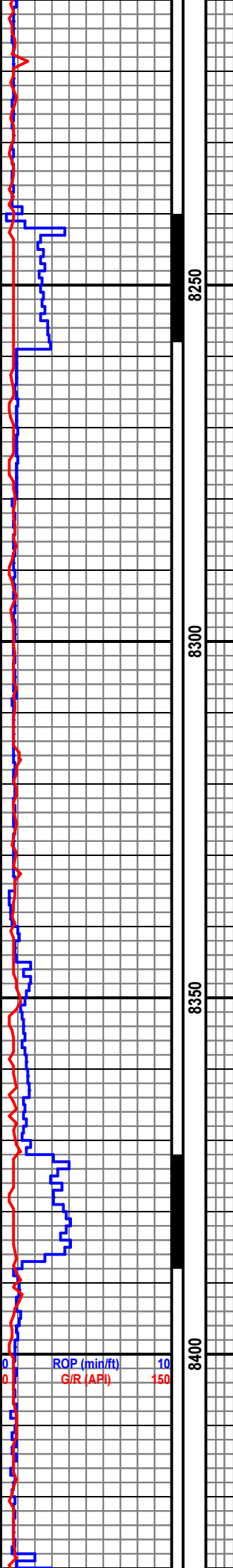


SPM: 83
PSI: 1403

MD 8289 TVD 4795.96
INC 91.2 AZ 0.4
VS 3821.26

MD 8384 TVD 4794.47
INC 90.6 AZ 1
VS 3916.19

WOB: 21.6
RPM: 60
SPM: 85
PSI: 1444



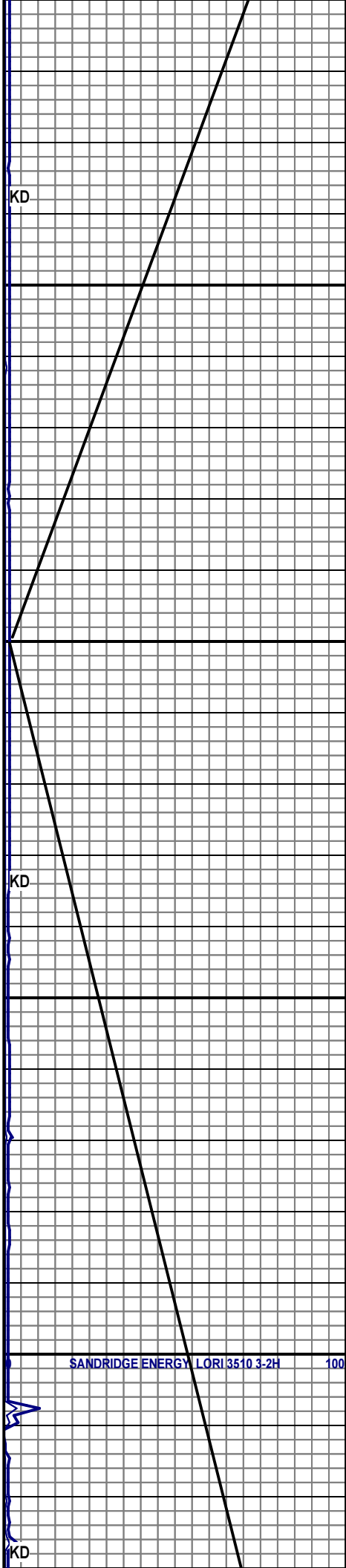
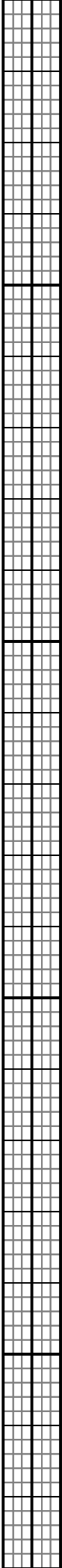
8250

8300

8350

8400

ROP (min/ft) 10
G/R (API) 150



KD

KD

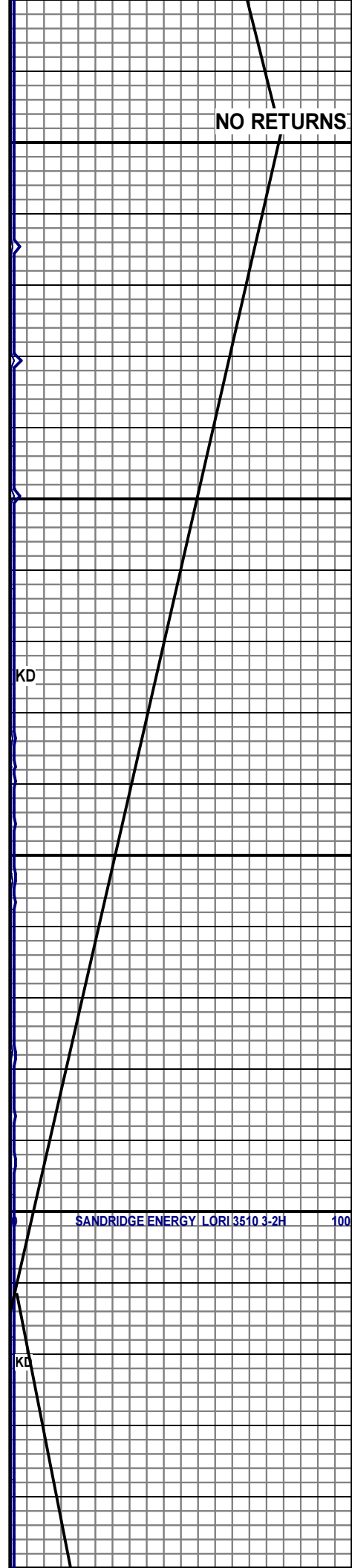
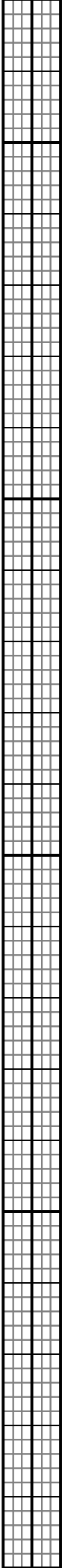
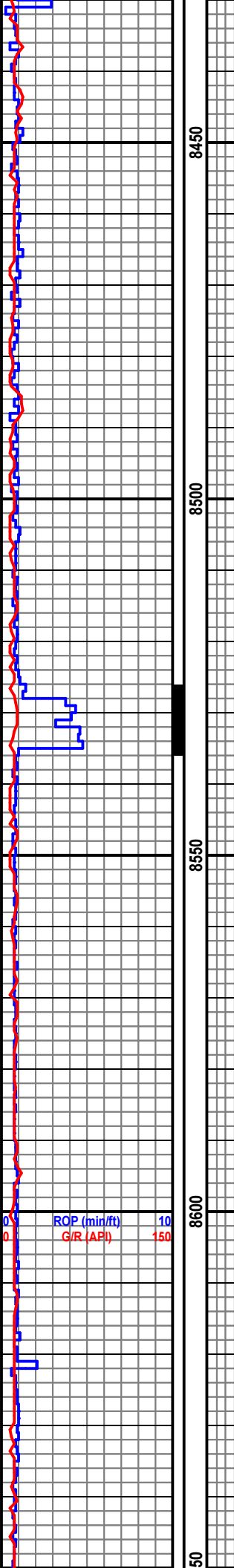
SANDRIDGE ENERGY LORI 3510 3-2H

KD

MD 8480 TVD 4794.3
INC 89.6 AZ 1.6
VS 4012.08

MD 8576 TVD 4794.14
INC 90.6 AZ 1.2
VS 4108

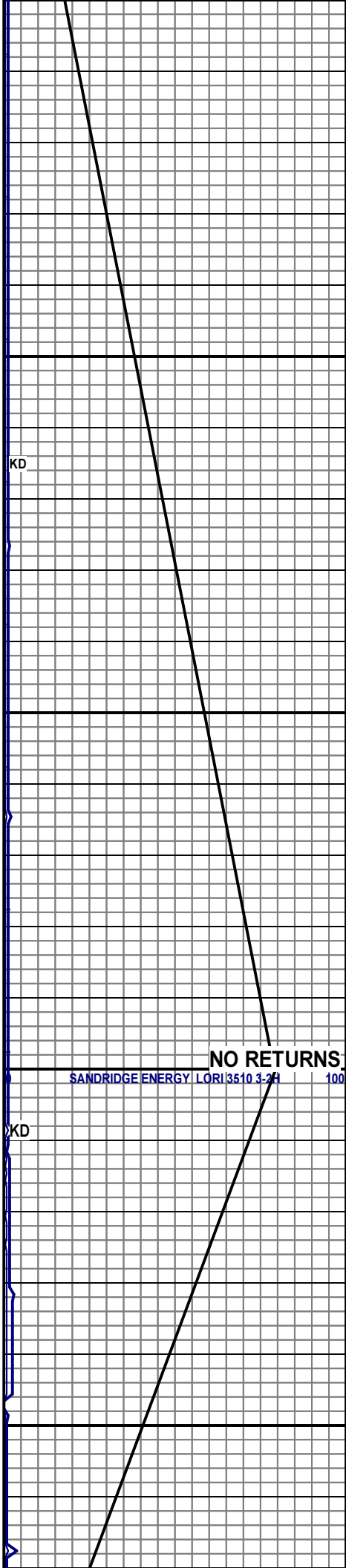
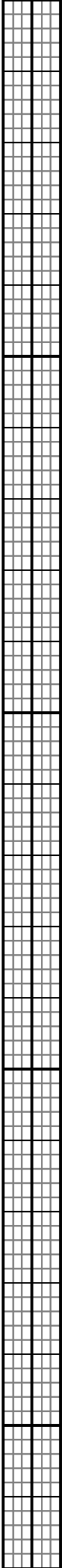
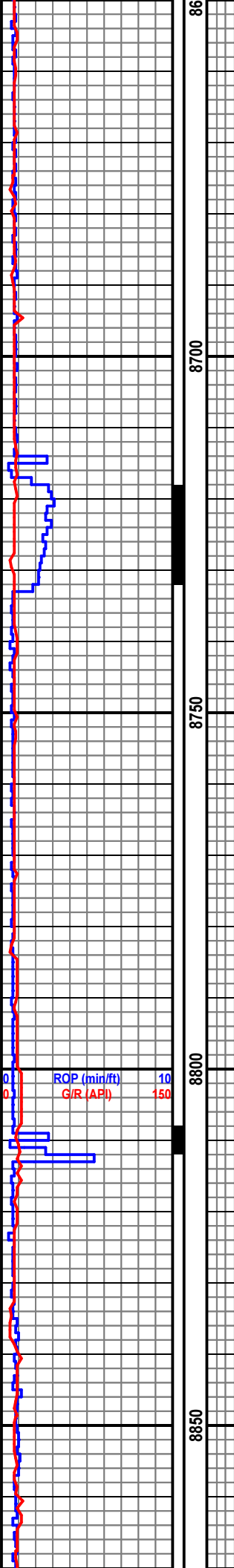
WOB: 23.8
RPM: 63
SPM: 85
PSI: 1510



MD 8670 TVD 4793.73
INC 89.9 AZ 359.6
VS 4201.95

MD 8766 TVD 4793.22
INC 90.7 AZ 0.6
VS 4297.89

WOB: 23.8
RPM: 50
SPM: 84
PSI: 1592



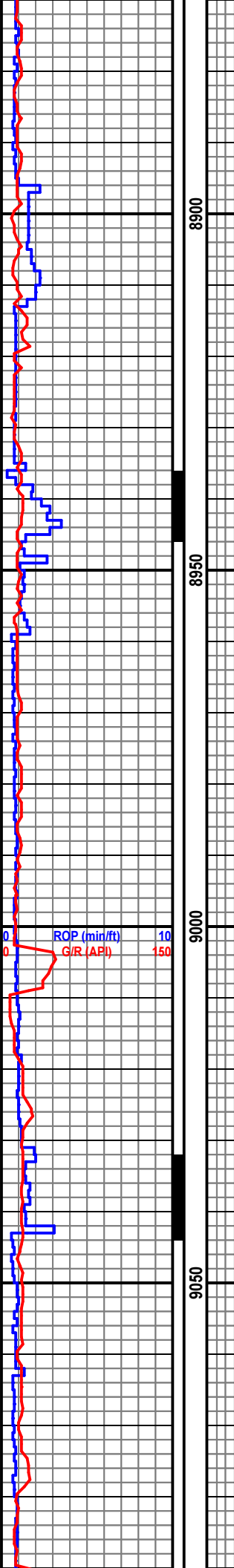
MD 8890 TVD 4791.93
INC 90.5 AZ 359.4
VS 4421.83

12/06/2012

MD 8983 TVD 4790.95
INC 90.7 AZ 0.4
VS 4514.83

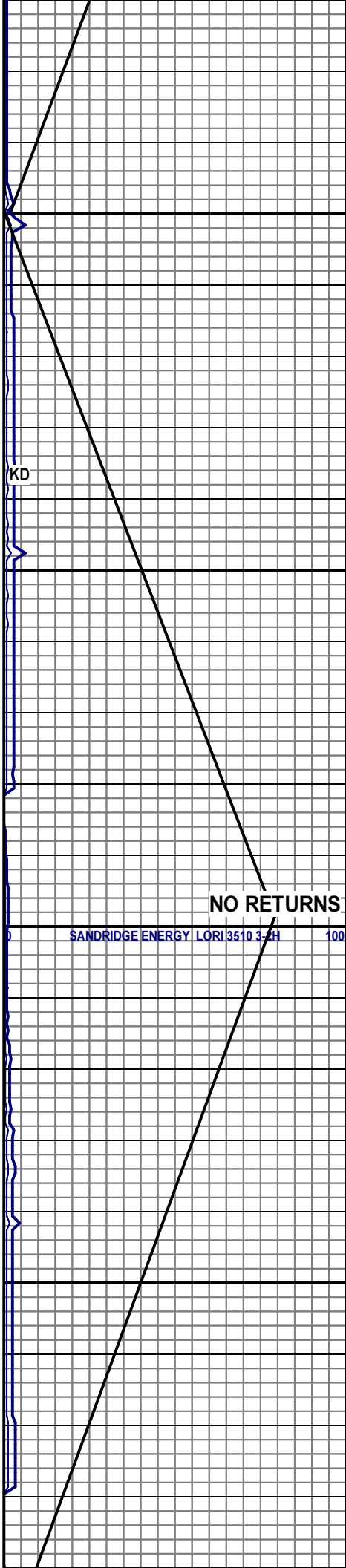
WOB: 14.5
RPM: 61
SPM: 84
PSI: 1667

MD 9077 TVD 4789.97
INC 90.5 AZ 1.8
VS 4608.71



TOH FOR NEW BIT
AND MOTOR @
8,900'MD

BIT# 6: 6.125"
HALLIBURTON
MM64D;
SER# 12087868;
JETS: 4-12, 2-14
BHA: 4.75" MOTOR;
FLOAT SUB; 4.75"
UBHO SUB; 4.75"
NMDC SLICK; 4.75"
FLEX COLLAR;
X-OVER; 4" XT-39
DRILL PIPE
RPG: 0.63



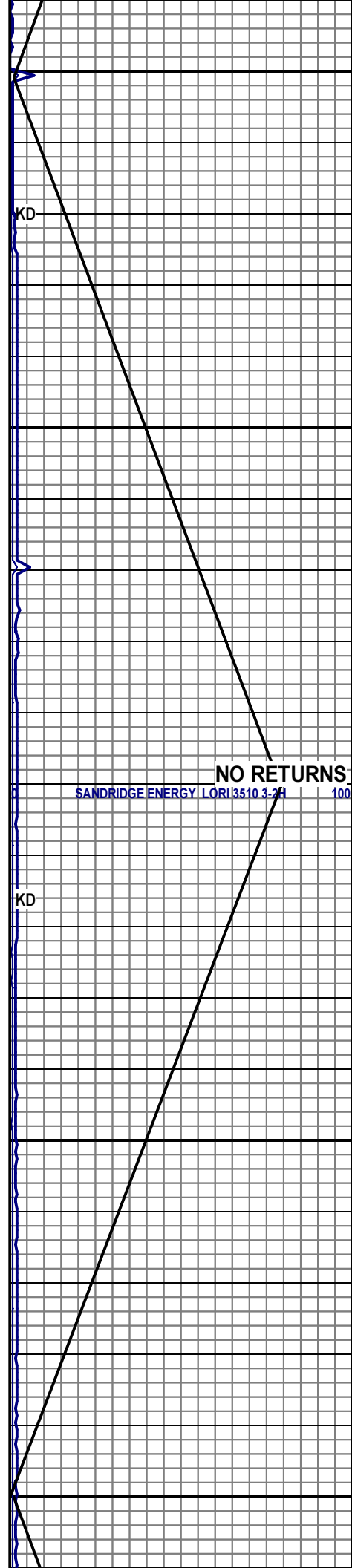
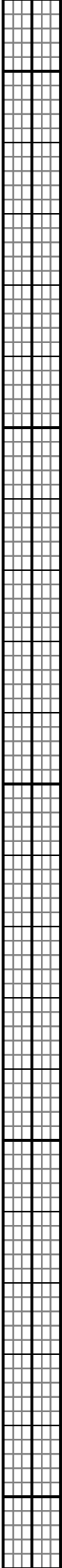
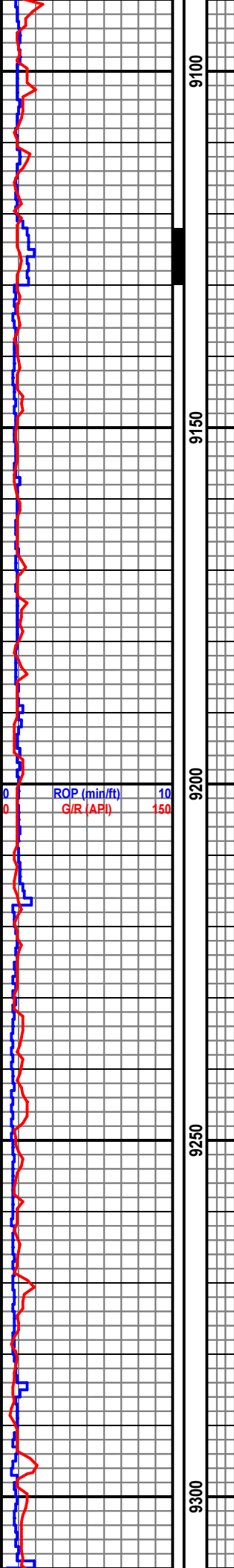
NO RETURNS

SANDRIDGE ENERGY LORI 3510 3-2H

MD 9171 TVD 4788.49
INC 91.3 AZ 1.8
VS 4702.58

WOB: 14.7
RPM: 64
SPM: 91
PSI: 1973

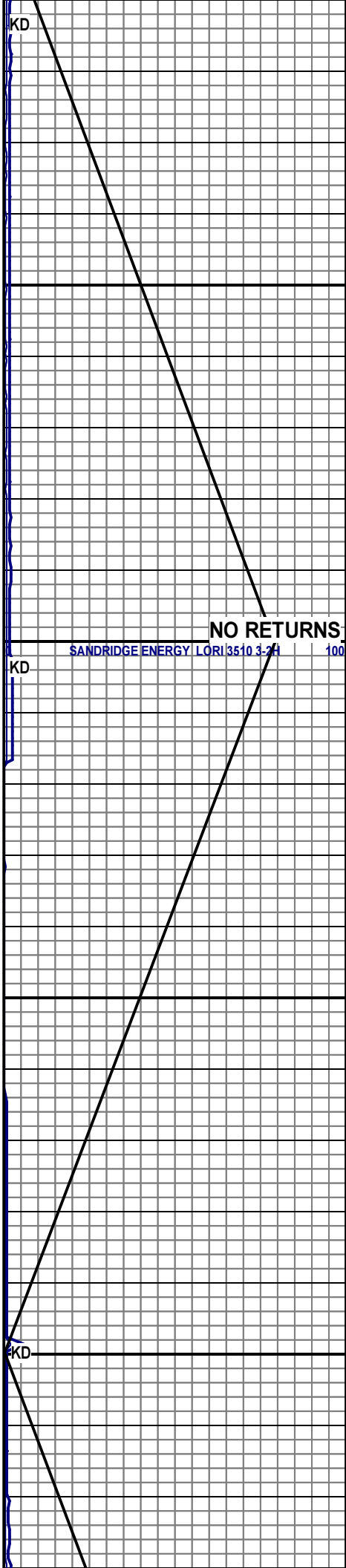
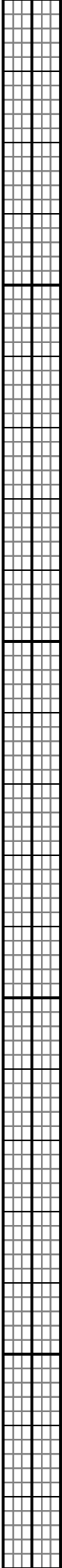
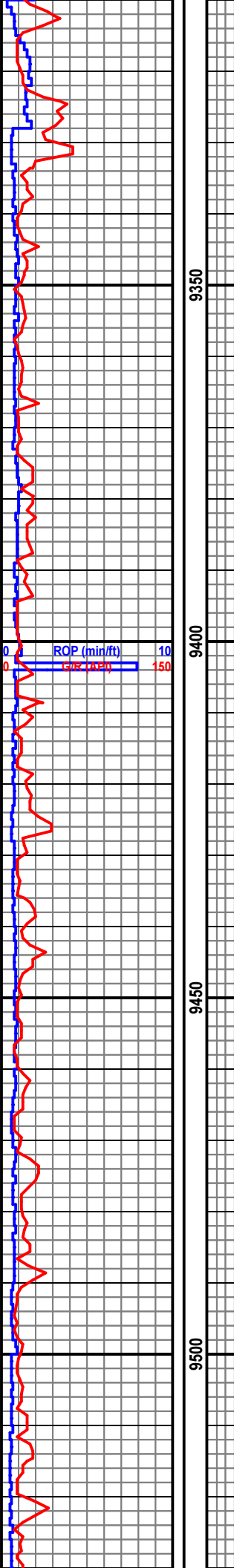
MD 9266 TVD 4787.17
INC 90.3 AZ 1.3
VS 4797.46



MD 9361 TVD 4785.76
INC 91.4 AZ 1.3
VS 4892.34

WOB: 15.5
RPM: 60
SPM: 87
PSI: 1984

MD 9456 TVD 4783.85
INC 90.9 AZ 1.1
VS 4987.18

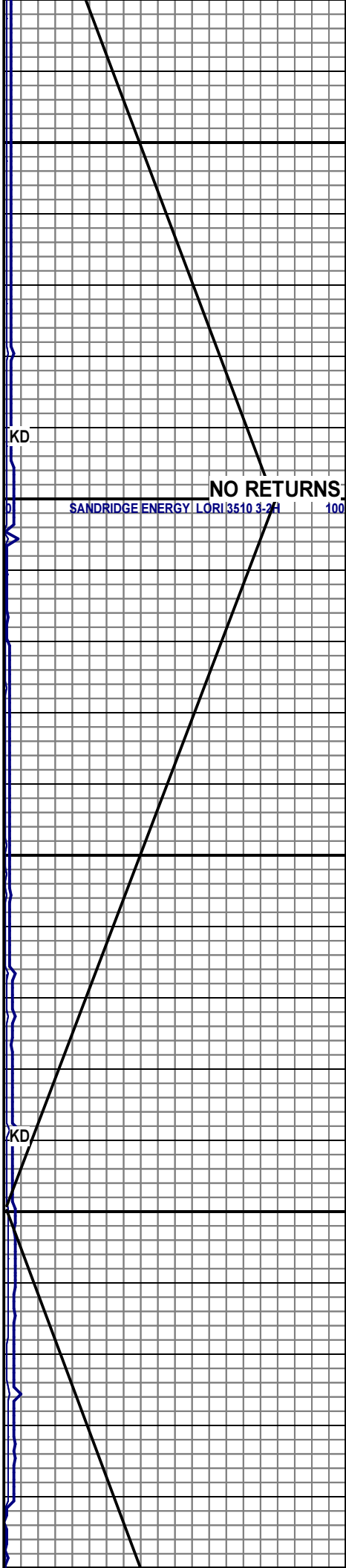
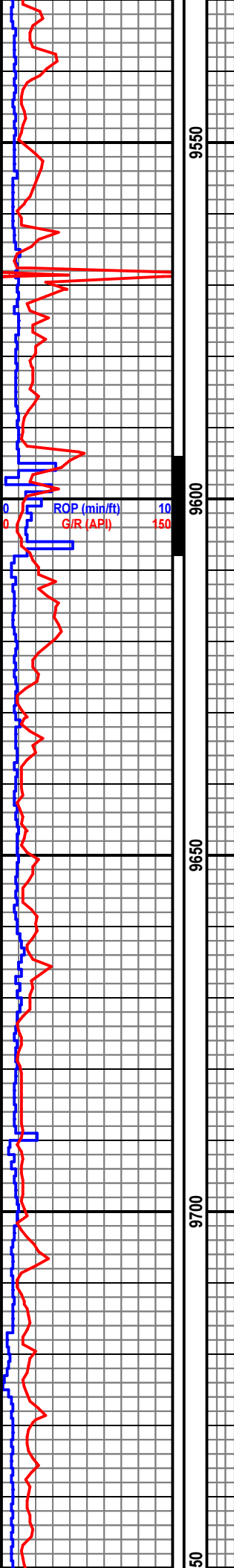


MD 9550 TVD 4782.7
INC 90.5 AZ 0.5
VS 5081.16

WOB: 4
RPM: 0
SPM: 91
PSI: 2111

MD 9644 TVD 4781.31
INC 91.2 AZ 359.6
VS 5175.12

MD 9740 TVD 4779.38
INC 91.1 AZ 0
VS 5271.06

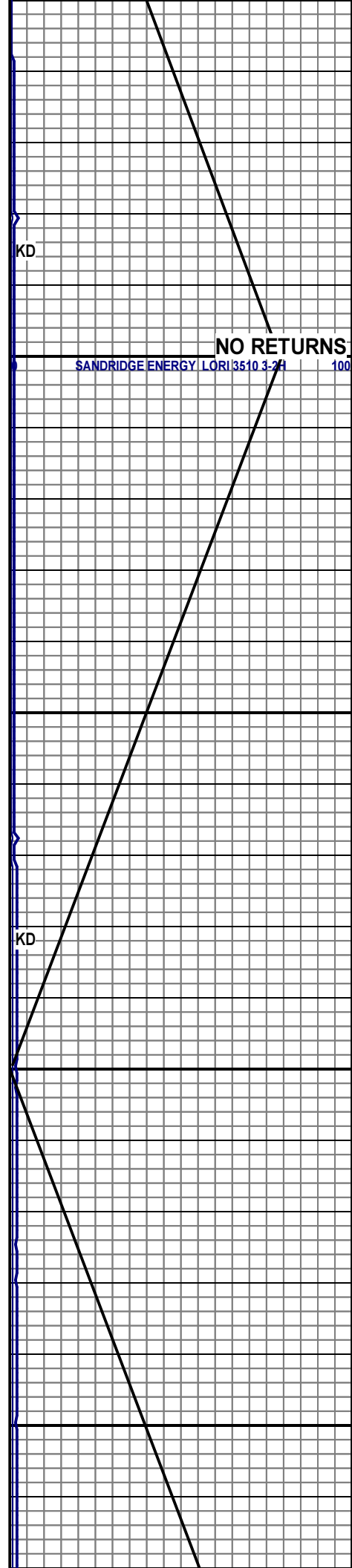
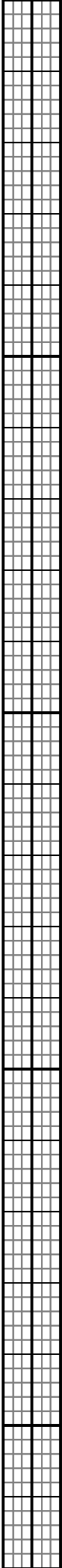
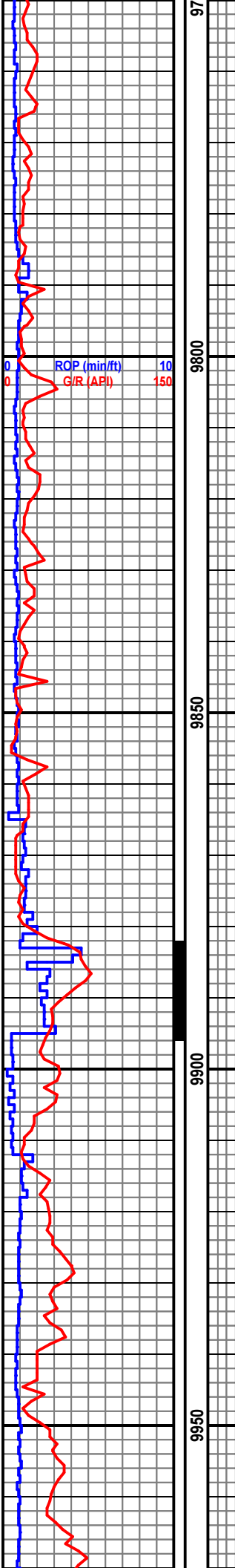


WOB: 15
RPM: 60
SPM: 91
PSI: 2142

12/07/2012

MD 9835 TVD 4778.38
INC 90.1 AZ 359.5
VS 5366.05

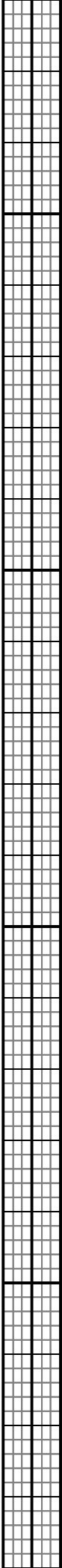
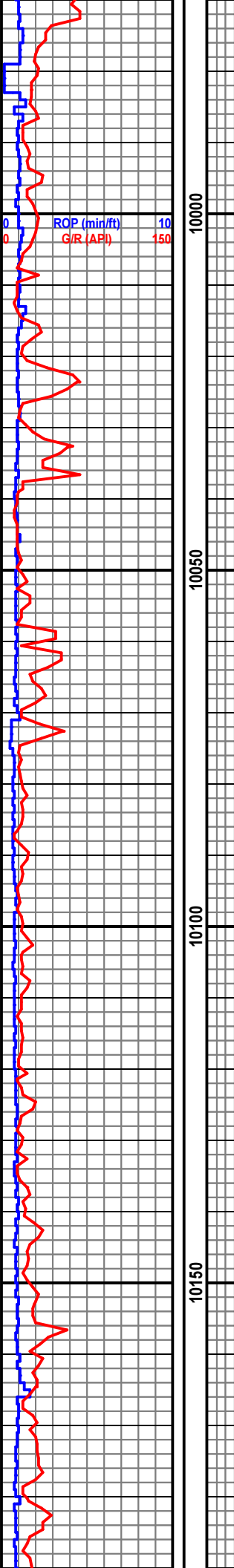
MD 9930 TVD 4777.22
INC 91.3 AZ 0.8
VS 5460.98



WOB: 13.1
RPM: 60
SPM: 91
PSI: 2209

MD 10025 TVD 4775.48
INC 90.8 AZ 359.9
VS 5555.97

MD 10119 TVD 4774.01
INC 91 AZ 359.7
VS 5649.89



KD

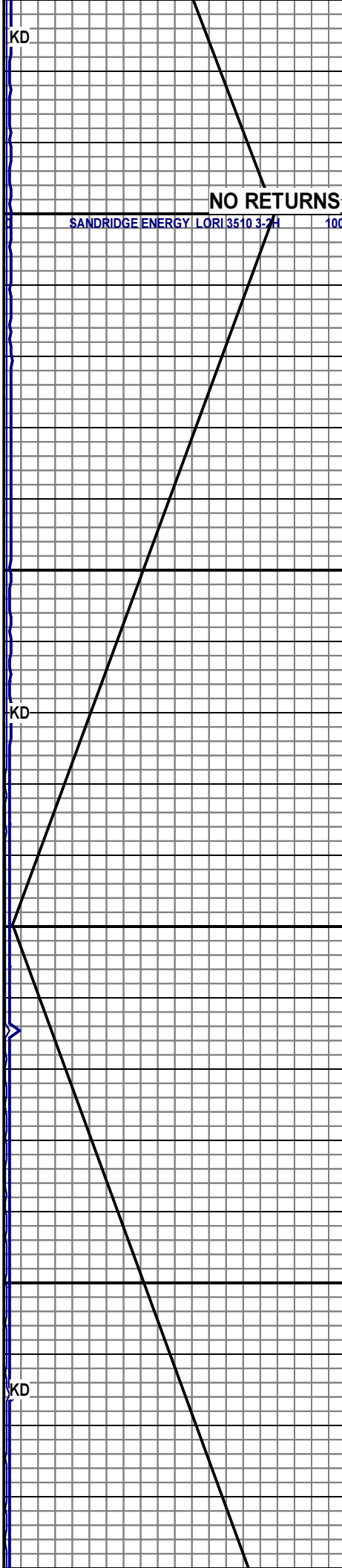
NO RETURNS

SANDRIDGE ENERGY LORI 3510 3-7H

100

KD

KD



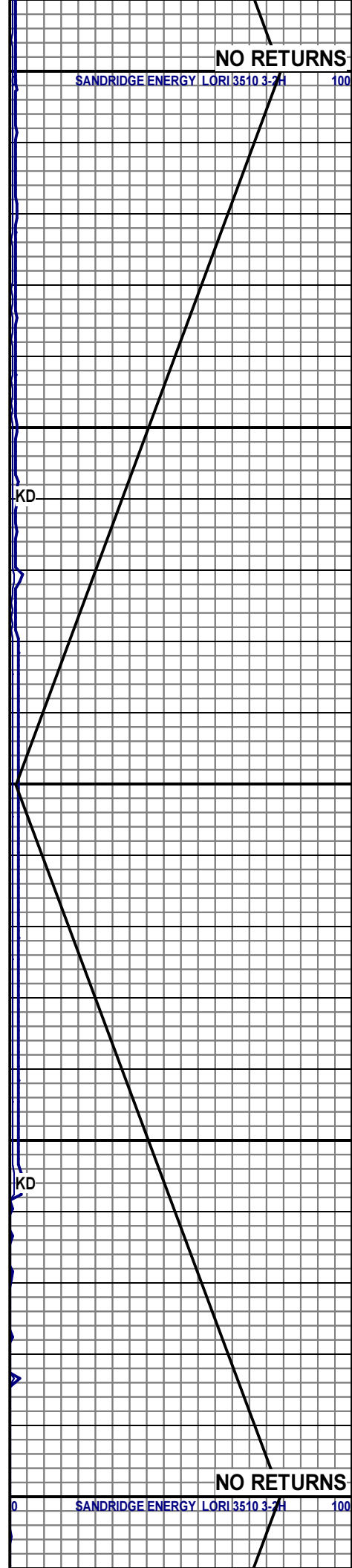
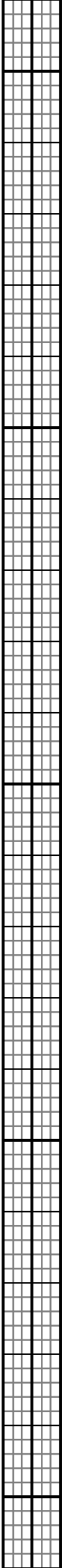
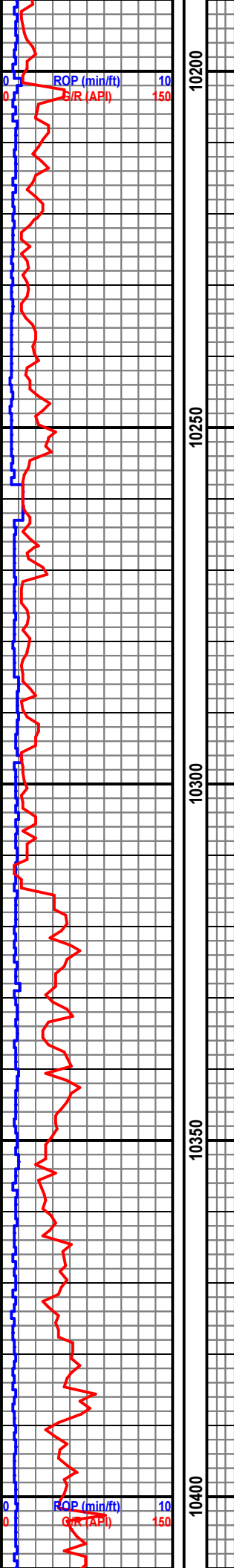
WOB: 16.1
RPM: 59
SPM: 91
PSI: 2175

MD 10214 TVD 4772.85
INC 90.4 AZ 359.2
VS 5744.92

MD 10311 TVD 4771.75
INC 90.9 AZ 359
VS 5841.91

WOB: 15.4
RPM: 59
SPM: 87
PSI: 1924

MD 10406 TVD 4770.92
INC 90.1 AZ 359.4
VS 5841.91

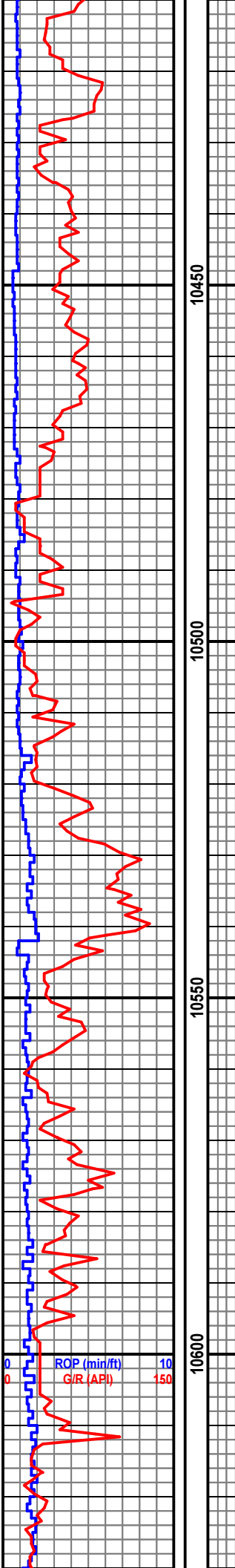


INC 90.1 AZ 356.4
VS 5936.89

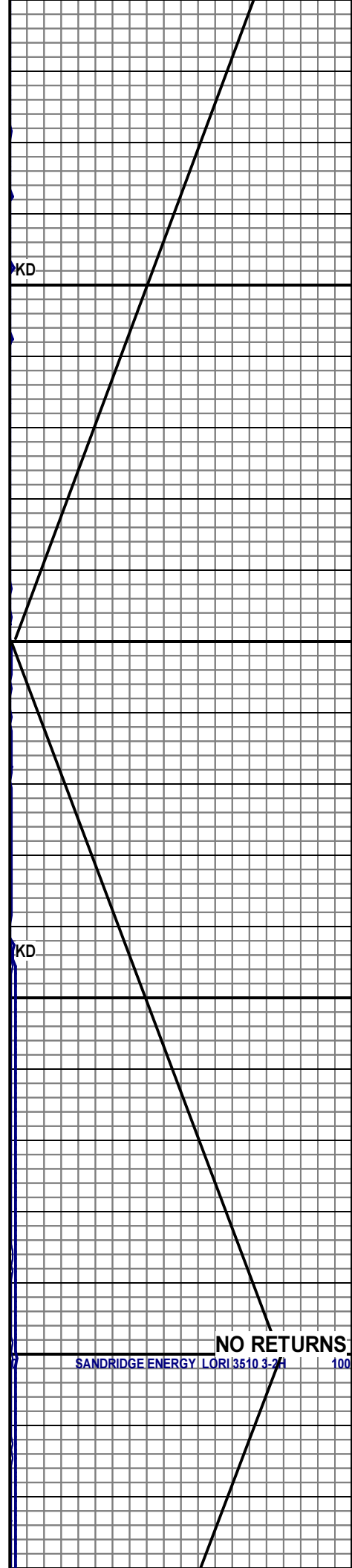
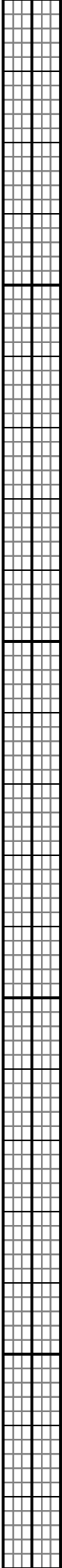
MD 10503 TVD 4769.65
INC 91.4 AZ 358.9
VS 6033.87

WOB: 15.3
RPM: 62
SPM: 90
PSI: 1953

MD 10598 TVD 4768.15
INC 90.4 AZ 358
VS 6128.8



ROP (min/ft) 10
G/R (API) 150



KD

KD

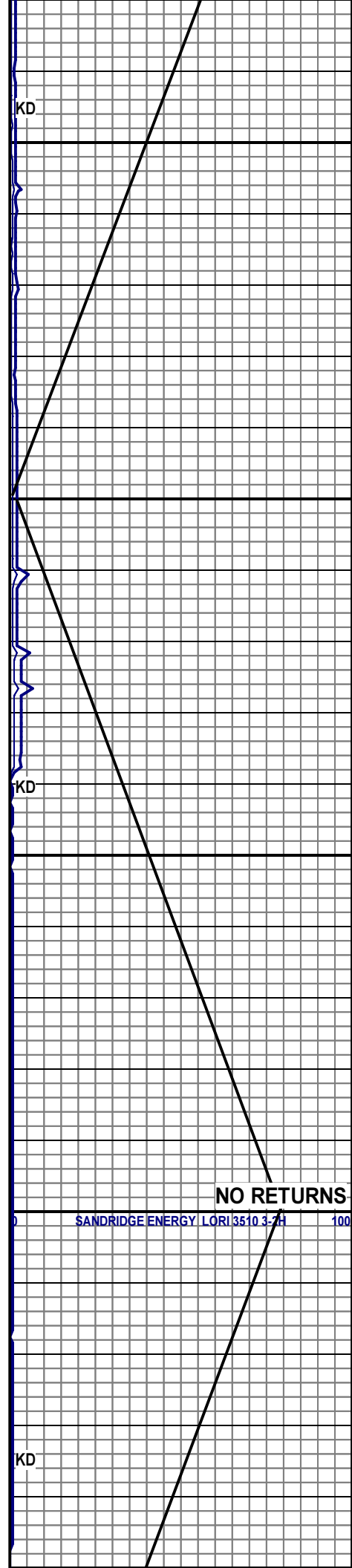
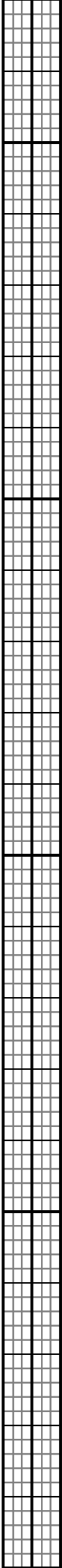
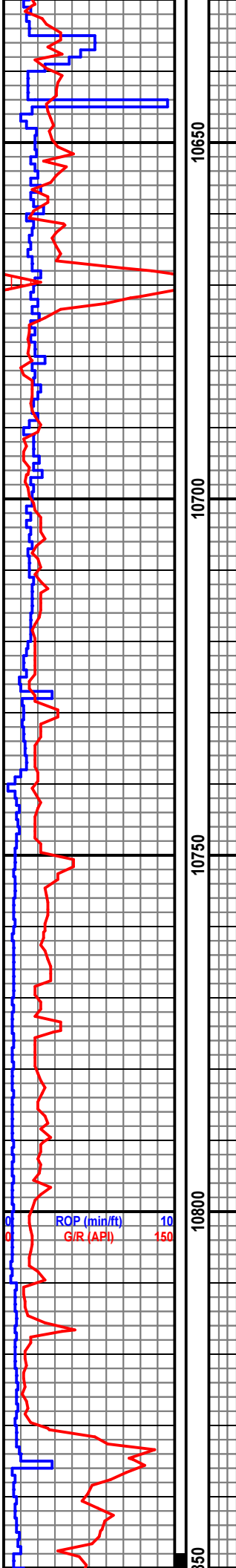
NO RETURNS

SANDRIDGE ENERGY LORI 3510 3-24 100

MD 10694 TVD 4766.4
INC 91.7 AZ 357.1
VS 6224.85

MD 10790 TVD 4763.38
INC 91.9 AZ 356.4
VS 6320.74

WOB: 18.7
RPM: 65
SPM: 89
PSI: 2047

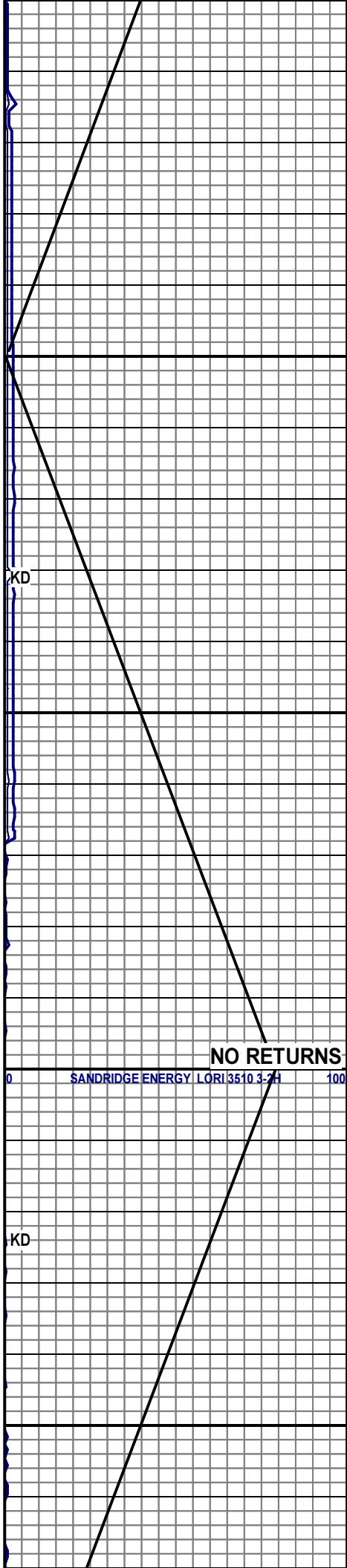
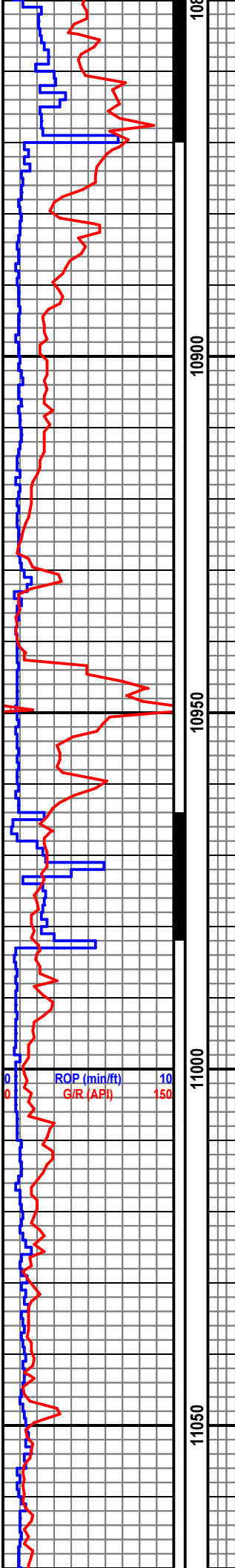


12/08/2012

MD 10885 TVD 4761.64
INC 90.2 AZ 358.5
VS 6415.71

MD 10979 TVD 4761.39
INC 90.1 AZ 0.5
VS 6509.63

WOB: 16
RPM: 60
SPM: 88
PSI: 2009



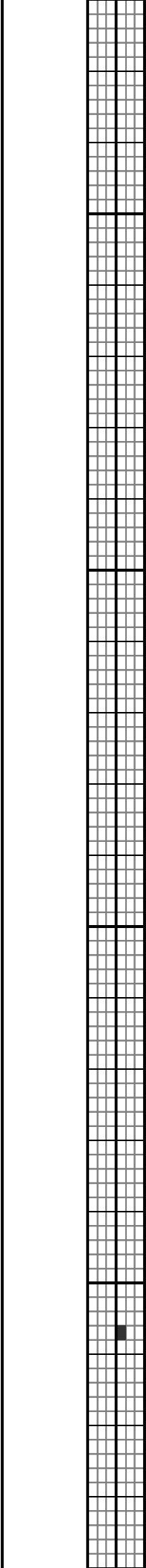
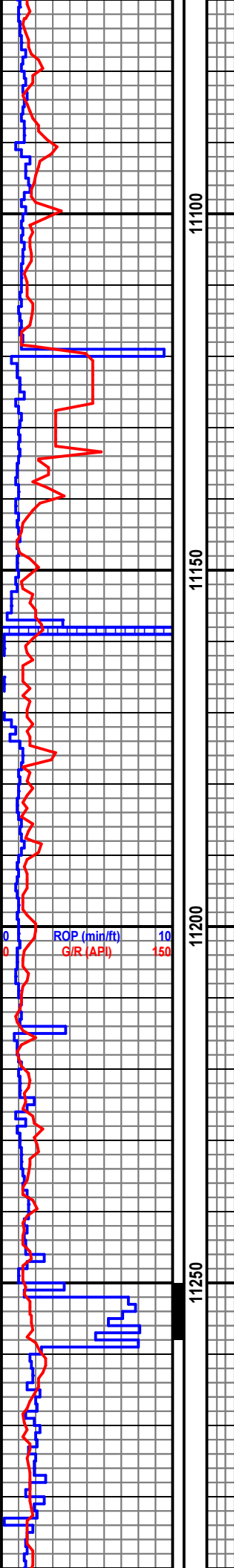
MD 11075 TVD 4761.14
INC 90.2 AZ 0.1
VS 6605.6

MD 11169 TVD 4761.06
INC 89.9 AZ 359.8
VS 6699.54

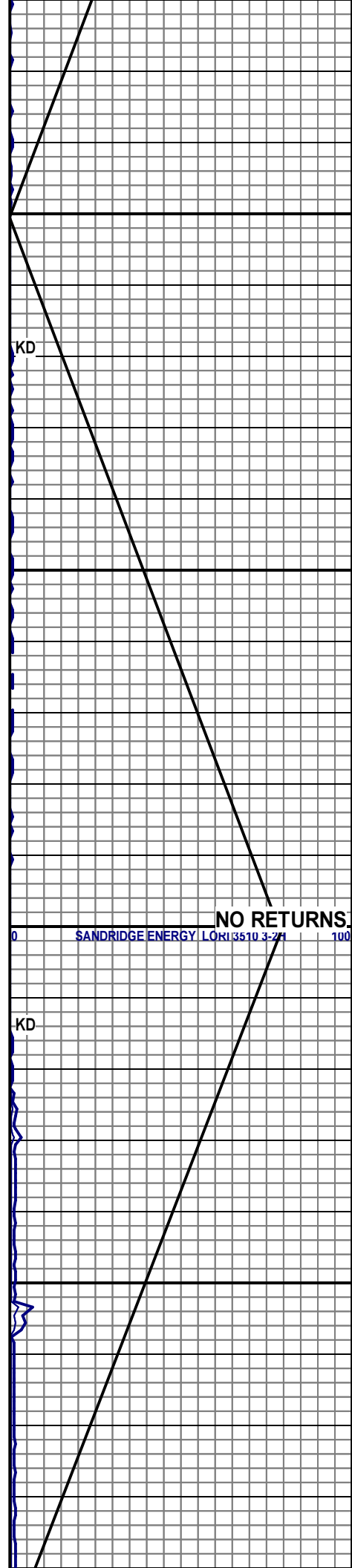
WOB: 18.2
RPM: 59
SPM: 88
PSI: 2093

MD 11234 TVD 4761.46
INC 89.4 AZ 359.6
VS 6764.54

12/09/2012



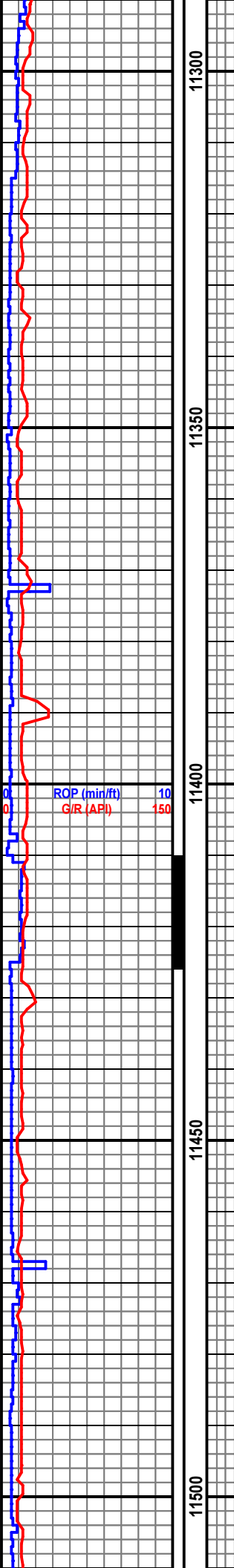
TOH @ 11,283'MD
FOR NEW BIT AND



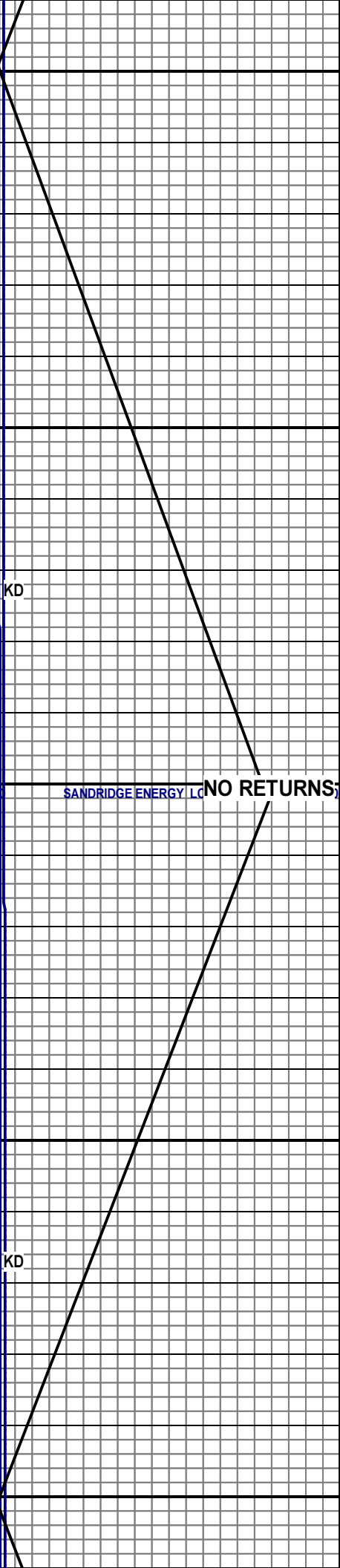
MD 11329 TVD 4761.87
INC 90.1 AZ 0
VS 6859.6

WOB: 13.2
RPM: 59
SPM: 90
PSI: 2121

MD 11424 TVD 4761.12
INC 90.8 AZ 0.8
VS 6954.53



FOR NEW BIT AND
MOTOR
BIT# 7: 6.125"
HALLIBURTON
MM64D;
SER# 12092259;
JETS: 4-12, 2-14
BHA: 4.75" MOTOR;
FLOAT SUB; 4.75"
UBHO SUB; 4.75"
NMDC SLICK; 4.75"
FLEX COLLAR;
X-OVER;
4" XT-39 DRILLPIPE;
AGITATOR;
4" XT-39 DRILLPIPE
RPG: 0.63
MOTOR BEND 1.5

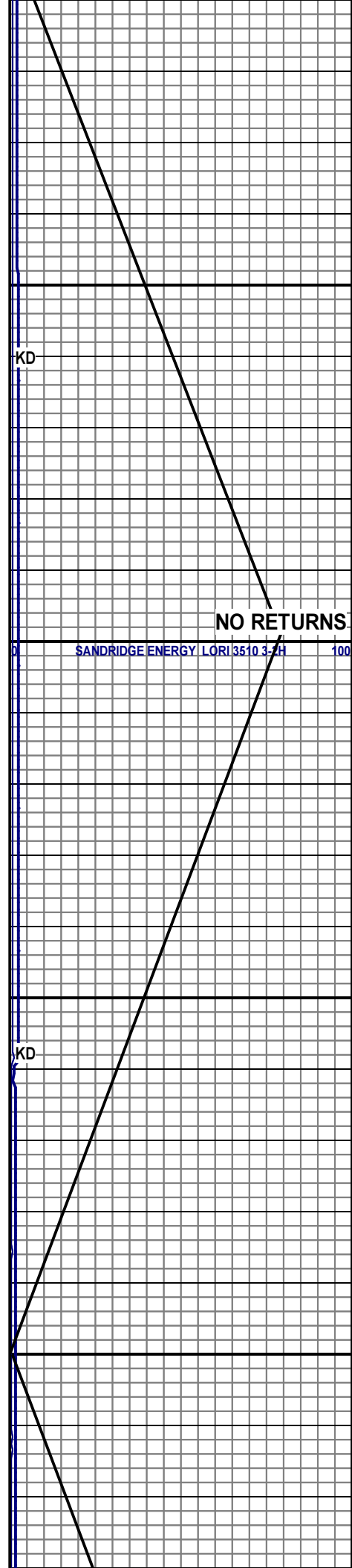
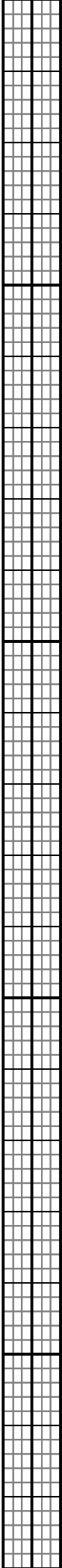
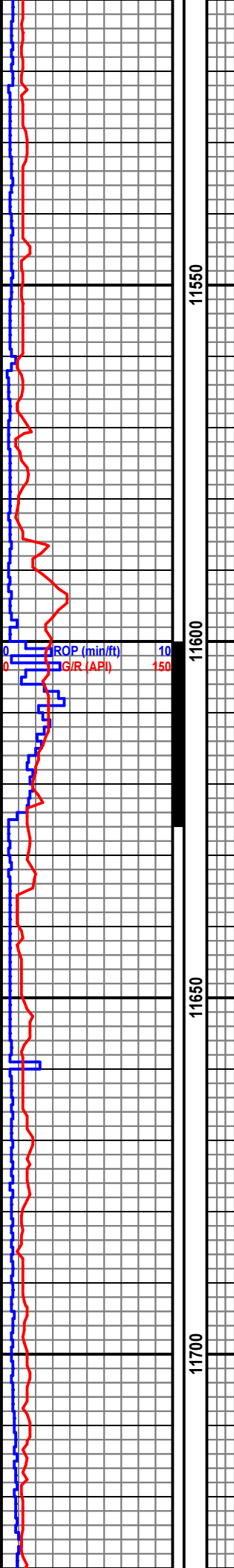


MD 11518 TVD 4759.4
INC 91.3 AZ 0.3
VS 7048.49

WOB: 16.3
RPM: 0
SPM: 89
PSI: 2040

MD 11614 TVD 4757.73
INC 90.7 AZ 0.7
VS 7144.42

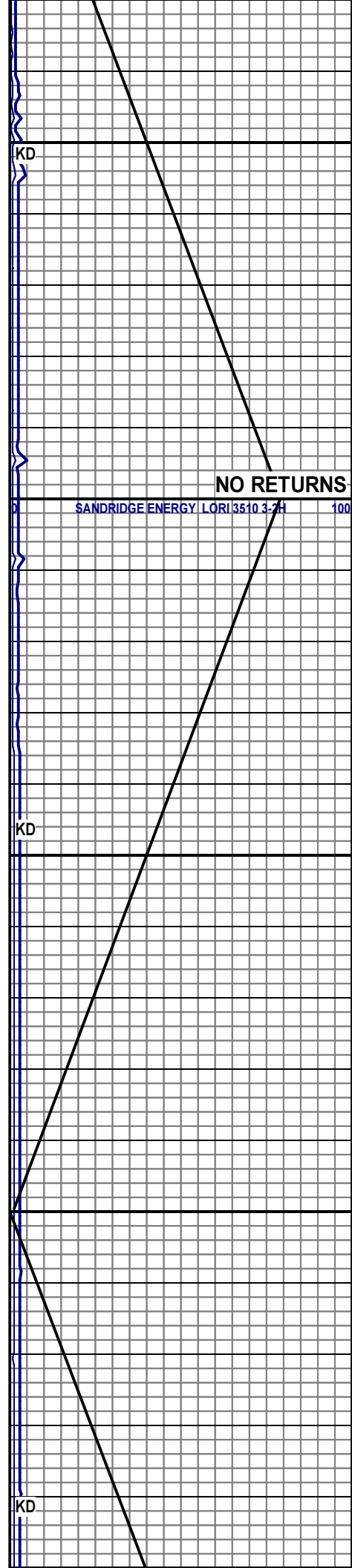
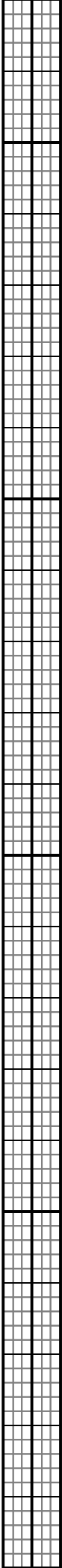
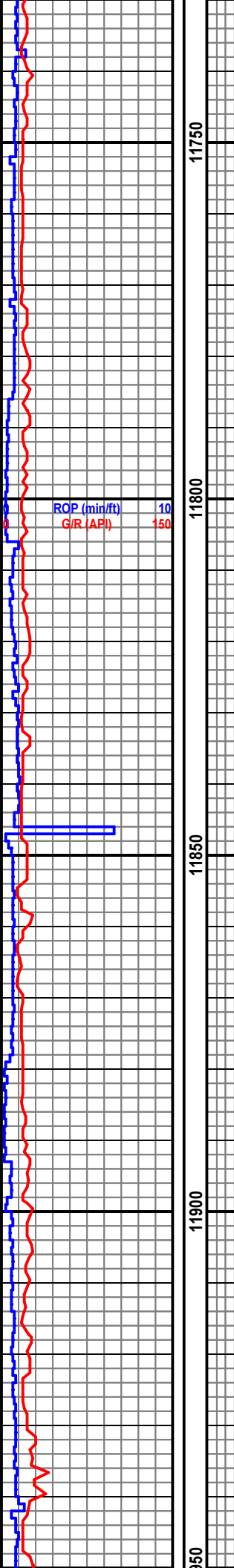
MD 11708 TVD 4756.17
INC 91.2 AZ 1.8
VS 7238.32



WOB: 16.5
RPM: 59
SPM: 90
PSI: 2163

MD 11804 TVD 4754.07
INC 91.3 AZ 1.7
VS 7334.13

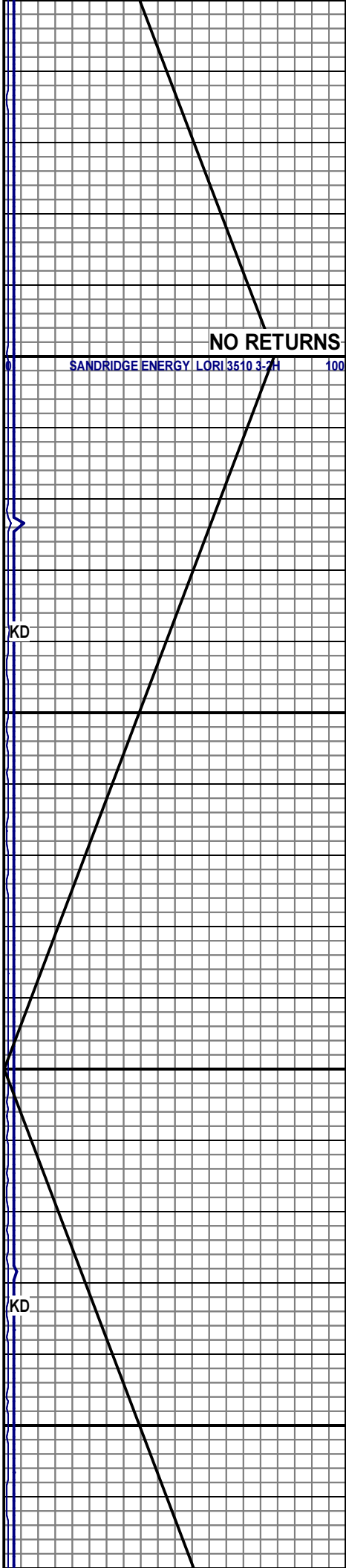
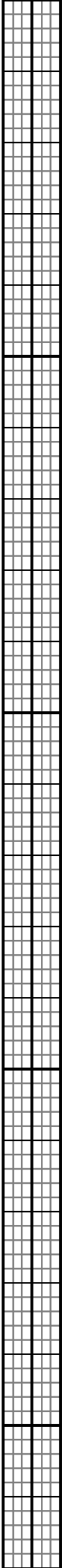
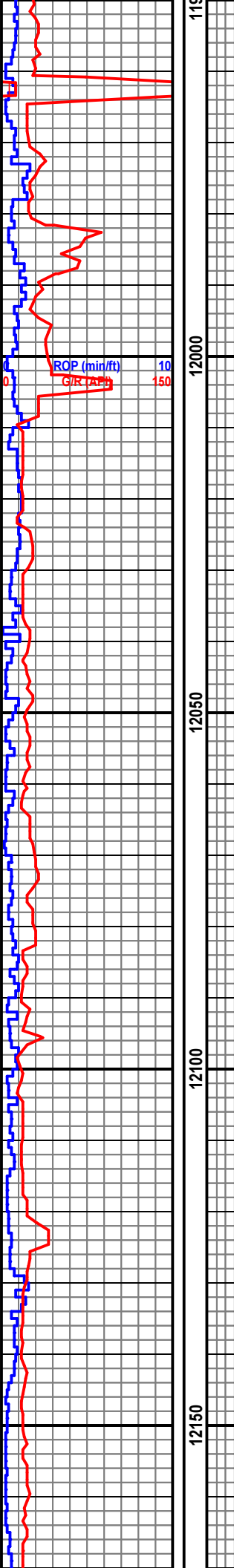
MD 11899 TVD 4751.67
INC 91.6 AZ 1.4
VS 7429



MD 11994 TVD 4748.77
INC 91.9 AZ 1.4
VS 7523.86

WOB: 18.1
RPM: 67
SPM: 89
PSI: 2231

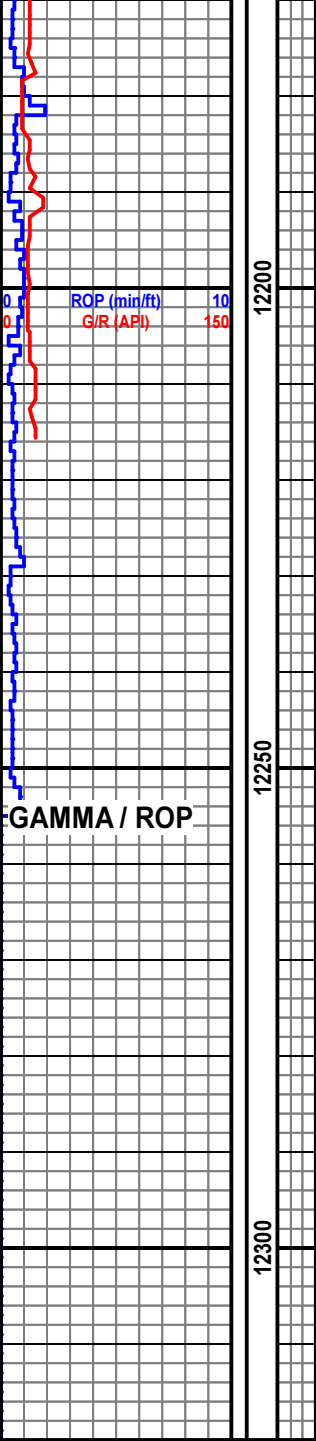
MD 12089 TVD 4745.37
INC 92.2 AZ 1
VS 7618.68



MD 12184 TVD 4740.4
INC 93.8 AZ 1.6
VS 7713.42

WOB: 17.3
RPM: 52
SPM: 89
PSI: 2203

MD 12255 TVD 4735.69
INC 93.8 AZ 1.6
VS 7784.22



T.D. @ 12,255' MD
4,736' TVD

SANDRIDGE ENERGY,
INC LORI 3510
3-2H; SEC:
11-T35S-R10W
BARBER CO., KS

GL: 1,312' KB: 1,332'

