

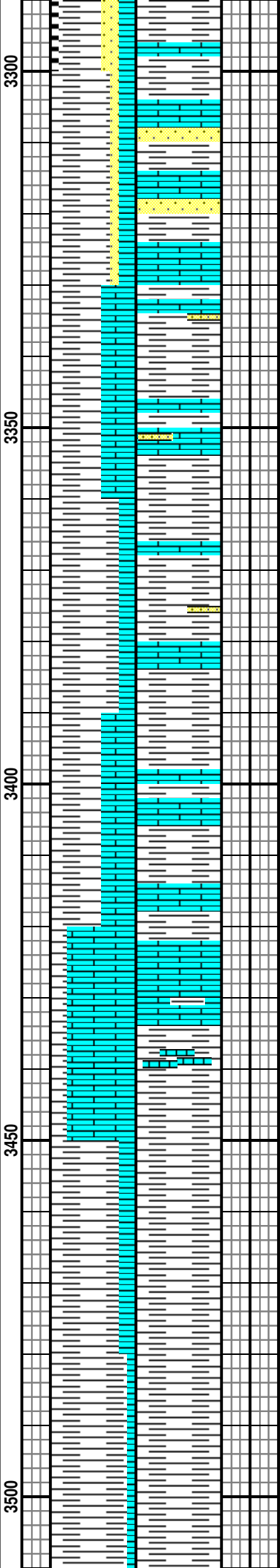
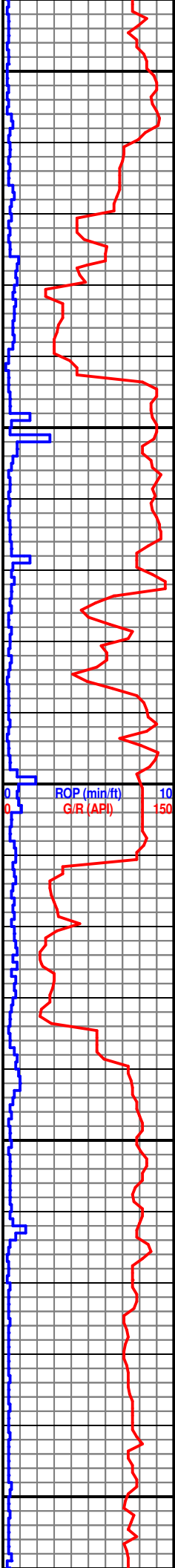
Survey Data	ROP		Depth	Porosity	% Lithology	Lithology	Fluorescence	Leach	Geological Descriptions	TG, C1-C5					
	ROP (min/ft)	G/R (API)								TG (Units)	C1 (units)	C2 (units)	C3 (units)	C4 (units)	C5 (units)
WOB-6.2 RPM-86 PP-1660 SPM-133 GPM-35 MD 3221 TVD 3220.55 INC 1.3 AZ 146.8 VS -36.11°	0	0	3100						SANDRIDGE ENERGY INC. Dalrymple Farms 3506 1-13H SEC. 13-T35S-R6W Harper CO. KS GL: 1,220' KB: 1,240' DRILLING W/ BIT #2: 8.75" VAREL PDC; JETS: 5X14'S STARTED LOGGING ON 01/14/2013	0	DALRYMPLE FARMS 3506 1-13h				100
	GAMMA&ROP									GAS					
	0	0	3150						LS: LT TN-TN, SME MOTT TN, OCC LT GRY, PLTY, OCC BLKY, SUBANG-ANG, SME SUBRND, MOD FRM, OCC FRM, FN-MED XLN, OCC CRSE XLN, HL FRAC POR, SME FRAC POR, OCC PP VUG POR, SH:GRY-DRK GRY, OCC MED GRY, NO VIS FLOR, NO CUT, NO RES RNG	KD					
		3200							LS: TN- LT TN, SME MOTT TN, OCC LT GRY, PLTY, OCC BLKY, SUBANG-ANG, SME SUBRND, MOD FRM, OCC FRM, FN-MED XLN, OCC CRSE XLN, HL FRAC POR, SME FRAC POR, OCC PP VUG POR, NO VIS FLOR, NO CUT, NO RES RNG	0	DALRYMPLE FARMS 3506 1-13h				100
		3250							SH: ABUN LT GRY-GRY-OCC DRK GRY, PRED V FN-FN SMTH, SME WXY TEXT, OCC SLTY, BLKY, SME PLTY, MOD FRM-SFT, NO VIS FLOR, NO CUT, NO RES RING	KD	CG 32 U.				
BASE HEEBNER @ 3,275' MD (-2,035')															

MD 3316 TVD 3315.53
INC 1.1 AZ 155.9
VS -37.89°

WOB-4.7
RPM-73
PP-1990
SPM-147
GPM-38

MD 3411 TVD 3410.51
INC 1.3 AZ 151.1
VS -39.71°

MD 3505 TVD 3504.49
INC 1.3 AZ 146

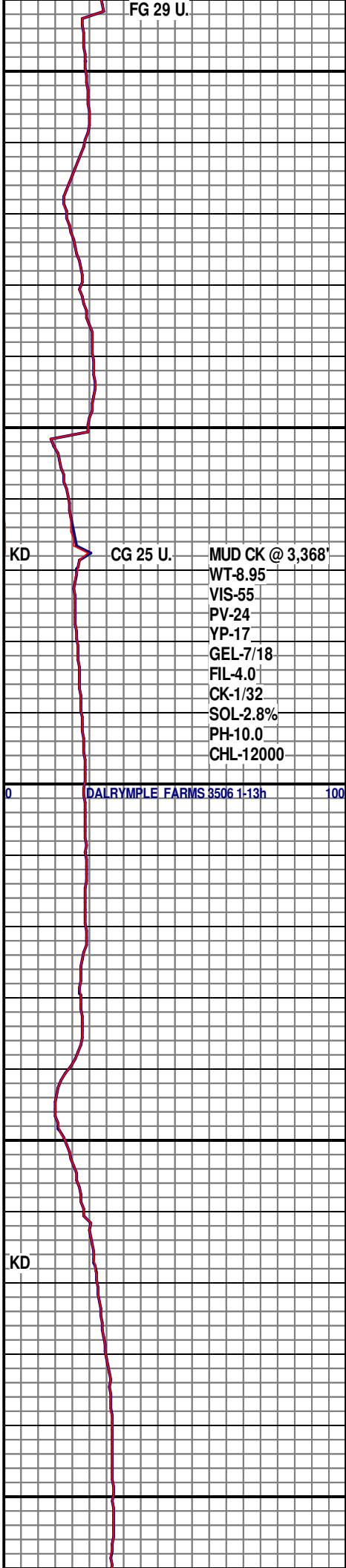


SH: MSTLY GRY-DRK GRY,
PRED V FN-FN SMTH, SME
WXY TEXT, OCC SLTY, BLKY,
SME PLTY, MOD FRM-SFT, NO
VIS FLOR, NO CUT, NO RES
RING

SH: PRED GRY,SME LT GRY-
DRK GRY, PRED V FN-FN
SMTH, SME WXY TEXT, OCC
SLTY, BLKY, SME PLTY, MOD
FRM-SFT, NO VIS FLOR, NO
CUT, NO RES RING

LS: PRED CRM-LT TAN, SME
MOTT-TAN, FN-MED FN,
HRD-BRTL, ANG, BLKY, SME
CHNKY, SME HL FRAC POR,
VUG POR, NO FLOR, NO CUT,
NO RES RING

SH: MSTLY GRY-DRK GRY,
PRED V FN-FN SMTH, SME
WXY TEXT, OCC SLTY, BLKY,
SME PLTY, MOD FRM-SFT, NO
VIS FLOR, NO CUT, NO RES
RING

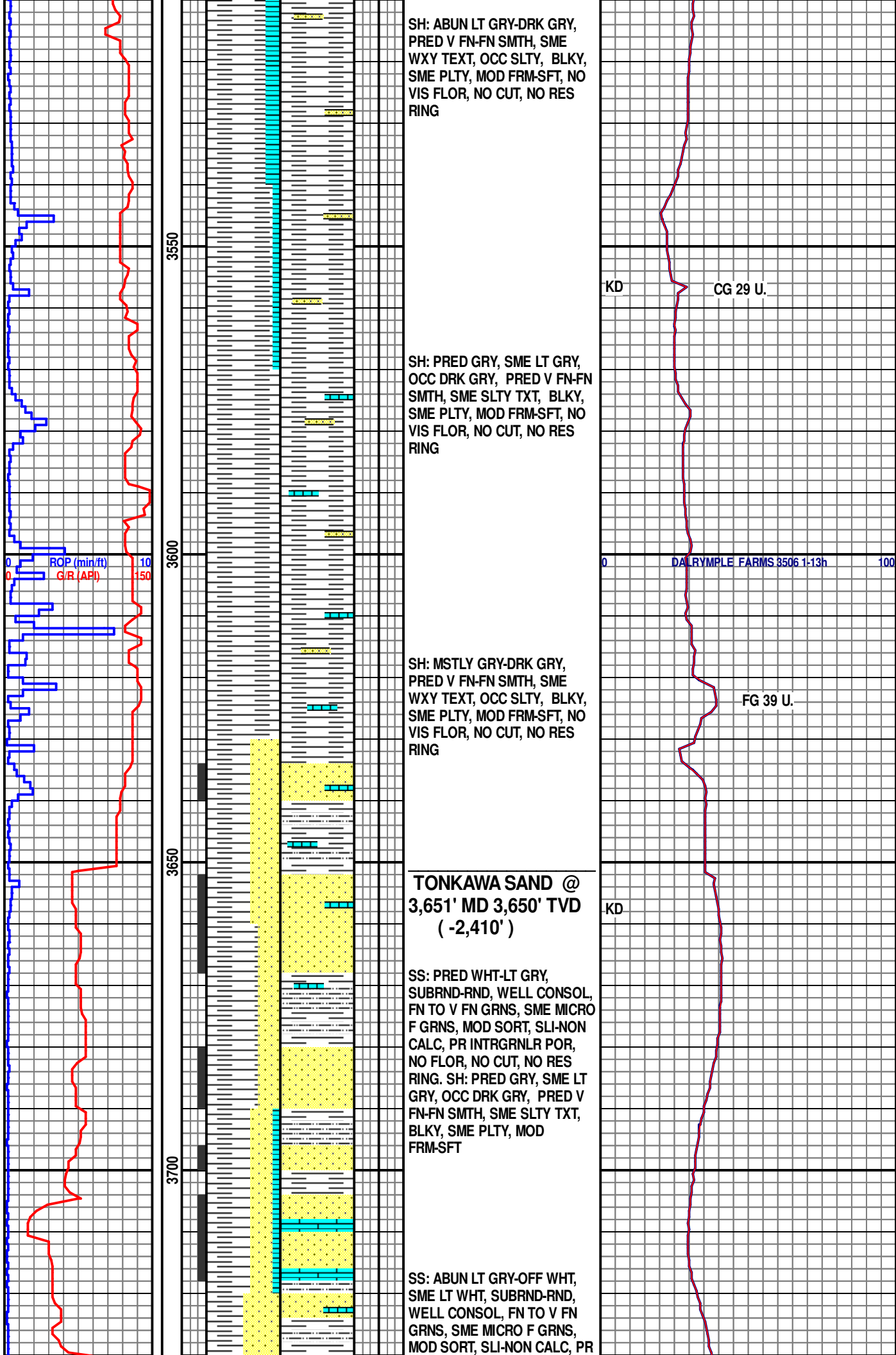


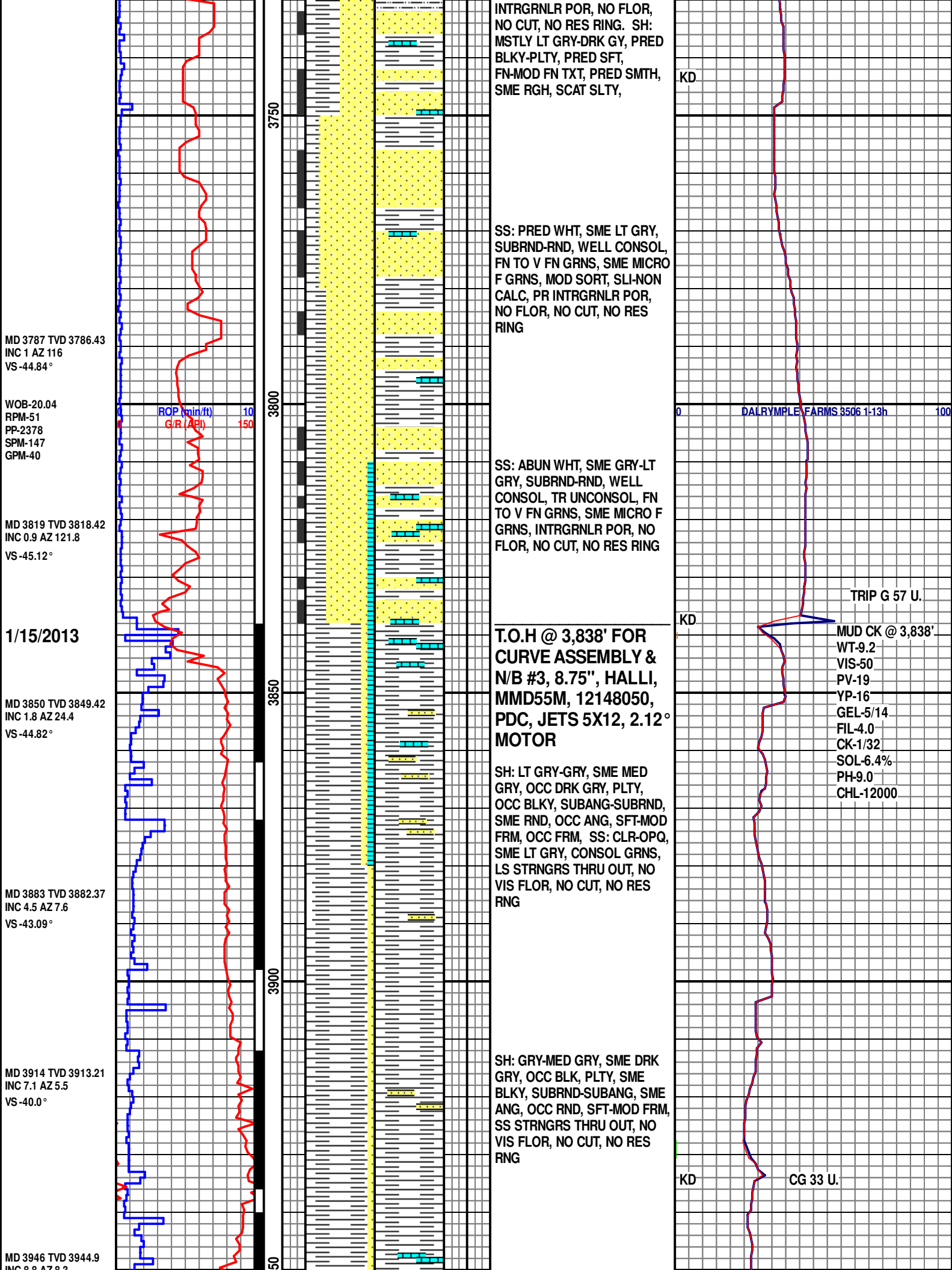
VS-41.57°

WOB-4.1
RPM-79
PP-1942
SPM-143
GPM-36

MD 3600 TVD 3599.46
INC 1.3 AZ 132.2
VS-43.26°

MD 3695 TVD 3694.44
INC 1 AZ 102.8
VS-44.24°





INC 6.6 AZ 8.3
VS -35.64°

1/16/2012

MD 3977 TVD 3975.46
INC 10.4 AZ 8.8

VS -30.57°

WOB-20.9
RPM-23
PP-2135
SPM-124
GPM-33

MD 4009 TVD 4006.83
INC 12.3 AZ 6.8

VS -24.38°

MD 4041 TVD 4037.98
INC 14.3 AZ 2.9

VS -17.08°

MD 4072 TVD 4067.82
INC 17.1 AZ 358.5

VS -8.71°

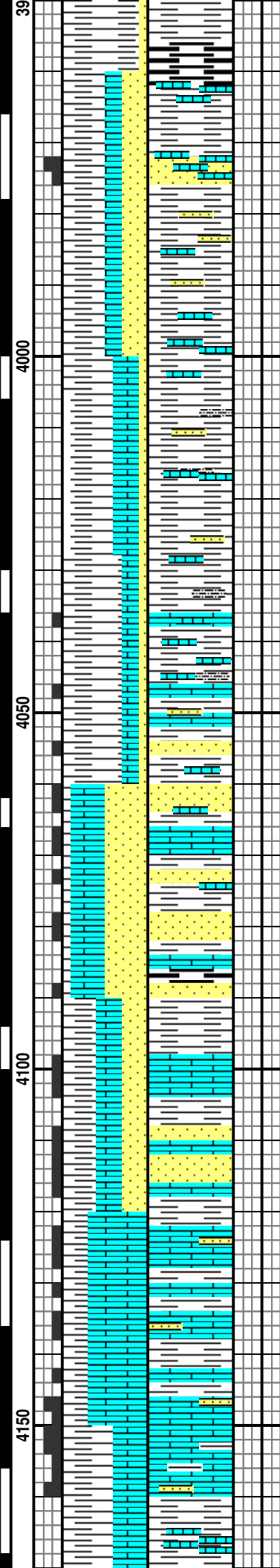
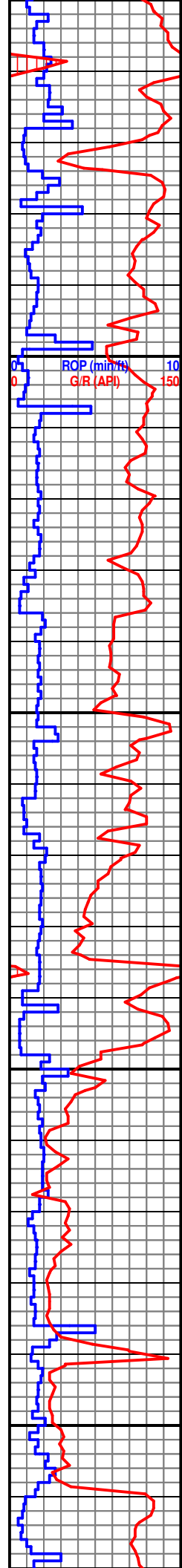
MD 4104 TVD 4098.15
INC 20 AZ 357.9

VS 1.46°

MD 4136 TVD 4128
INC 22.2 AZ 358.7

VS 12.98°

MD 4167 TVD 4156.48



COTTAGE GROVE @ 3,959' MD 3,958' TVD (- 2,718')

SS: LT GRY-GRY, CONSOL
GRNS, BLKY,
SUBRND-SUBANG, FRM-V FRM,
PR-FR INTRGRNLR POR, SH:
MED GRY- DRK GRY, SCTRD
BLK, OCC LT GRY- GRY, PLTY,
SUBANG-ANG, OCC SUBRND,
SFT-MOD FRM, OCC FRM, LS
STRNGRS THRU OUT, NO VIS
FLOR, NO CUT, NO RES RNG

SH: LT GRY-GRY SME MED
GRY-DRK GRY, PLTY, OCC
BLKY, SUBRND-SUBANG, SME
ANG, OCC RND, SFT-MOD FRM,
SILC I.P., LS: LT TN-TN, SME LT
GRY, OFF WHT, TR OF SS
STRNGRS THRU OUT, NO VIS
FLOR, NO CUT, NO RES RNG

SS: LT GRY-GRY, SME OFF
WHT-LT TN, BLKY,
SUBRND-RND, SME SUBANG,
FRM-V FRM, OCC MOD FRM,
CONSOL GRNS, PR
INTRGRNLR POR, FR SRT,
FN-MED GRNS, LS: LT TN-TN,
PLTY, HL FRAC POR, SME
FRAC POR, OCC PP VUG POR,
SH: GRY-MED GRY, OCC BLK,
NO VIS FLOR, NO CUT, NO
RES RN

LS: PRED LT CRM-LT TAN, SME
MOTT-TAN, FN-MED FN,
HRD-BRTL, ANG, BLKY, SME
CHNKY, SME HL FRAC POR,
OCC VUG POR, NO FLOR, NO
CUT, NO RES RING

SH: MSTLY GRY-DRK GRY,
PRED V FN-FN SMTH. SME

FG 37 U.

FG 34 U.

DALRYMPLE FARMS 3506 1-13h

KD

SG 48 U.

KD

MUD CK @ 4,156'

WT-8.6
VIS-54
PV-24
YP-28
GEL-8/22
FIL-3.2
CK-1/32

INC 24.3 AZ 359.5
VS 25.21°

WOB-15.8
RPM-0
PP-2041
SPM-143
GPM-36

MD 4199 TVD 4185.43
INC 26.2 AZ 1.3
VS 38.84°

MD 4230 TVD 4212.95
INC 28.6 AZ 1.1
VS 53.07°

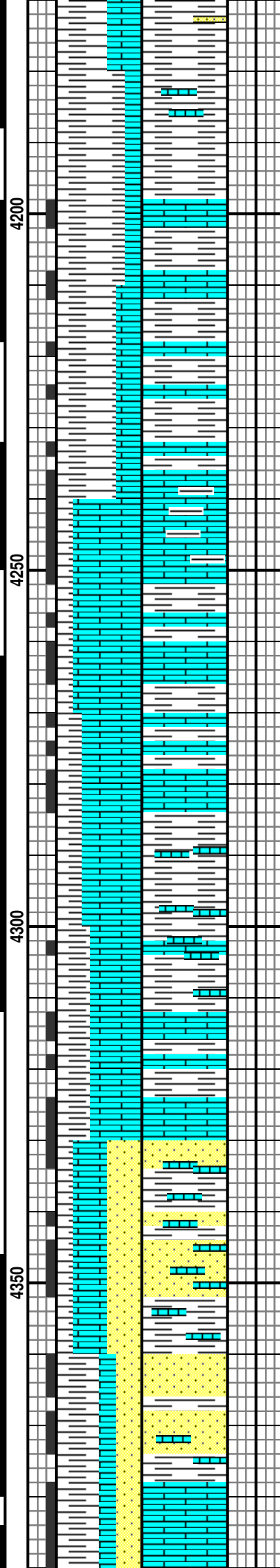
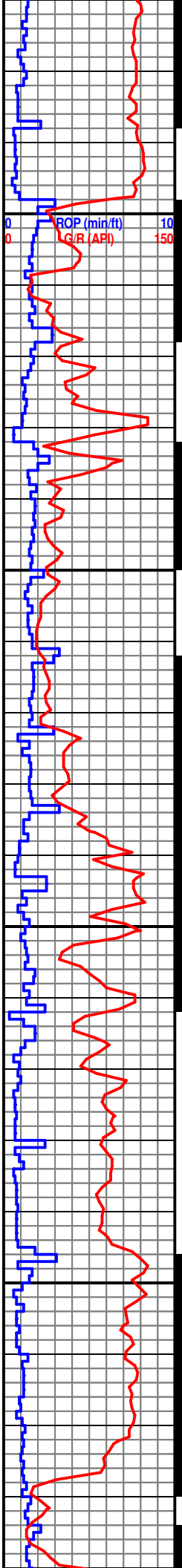
MD 4262 TVD 4240.66
INC 31.4 AZ 0.7
VS 69.03°

MD 4293 TVD 4266.73
INC 34.1 AZ 1.2
VS 85.77°

MD 4325 TVD 4293.05
INC 35.2 AZ 1
VS 103.92°

MD 4356 TVD 4318.19
INC 36.4 AZ 359.7
VS 122.03°

MD 4388 TVD 4343.53



WXY TEXT, OCC SLTY, BLKY,
SME PLTY, MOD FRM-SFT, NO
VIS FLOR, NO CUT, NO RES
RING

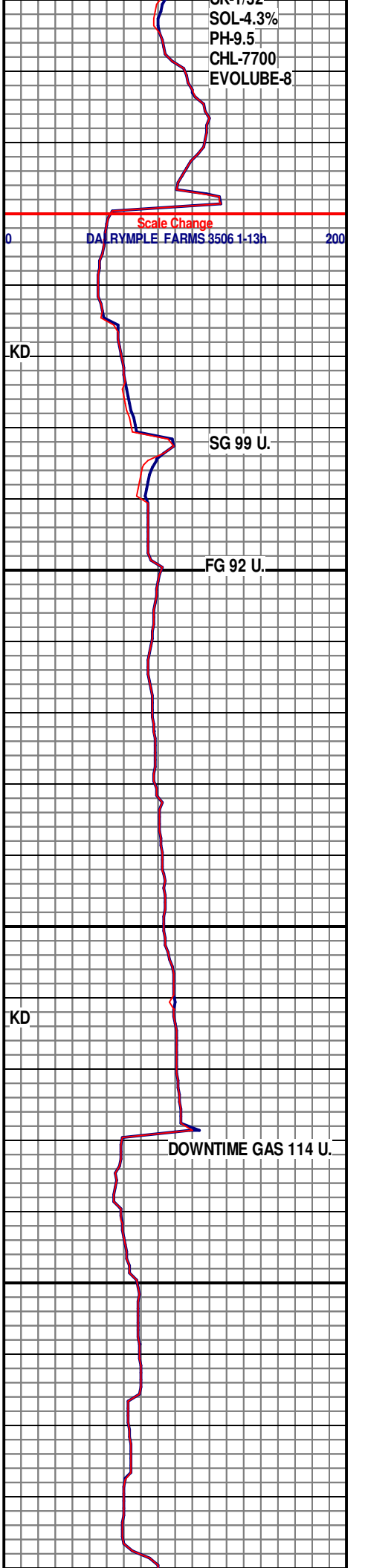
SH: LT GRY-GRY SME MED
GRY-DRK GRY, PLTY, OCC
BLKY, SUBRND-SUBANG, SME
ANG, OCC RND, SFT-MOD FRM,
SILC I.P., LS: LT TN-TN, SME LT
GRY, OFF WHT, NO VIS FLOR,
NO CUT, NO RES RING

LS: PRED MOTT-BRN, SME LT
CRM, FN-MED FN, HRD-FRM,
ANG-SUB ANG, BLKY, SME
CHNKY, SME HL FRAC POR,
OCC VUG POR, NO FLOR, NO
CUT, NO RES RING

LS: ABUN CRM-LT CREAM,
SME MOTT-TAN, FN-MED FN,
HRD-FRM, ANG-SUB ANG,
BLKY, SME CHNKY, OCC HL
FRAC POR, OCC VUG POR, NO
FLOR, NO CUT, NO RES RING

SS: LT GRY-GRY, BLKY,
SUBRND-RND, MOD FRM-FRM,
CONSOL GRNS, FR SRT,
MICRO FN-V FN GRNS, LS: LT
TN-LT GRY, OCC CRM, PP VUG
POR, SME HL FRAC POR, SH:
GRY-MED GRY, NO VIS FLOR,
NO CUT, NO RES RING

OSWEGO LIME @
4,380' MD, 4,338' TVD
(-3 098')



KD

FG 92 U.

KD

DOWNTIME GAS 114 U.

CR-1732
SOL-4.3%
PH-9.5
CHL-7700
EVOLUBE-8

MD 4300 TVD 4343.33
INC 38.9 AZ 358.1

VS 141.56°

WOB-28.6
RPM-0
PP-2151
SPM-128
GPM-34

MD 4419 TVD 4367.03
INC 42.5 AZ 356.7

VS 161.77°

MD 4451 TVD 4390.04
INC 45.5 AZ 355.3

VS 183.54°

MD 4482 TVD 4411.4
INC 47.4 AZ 355

VS 206.44°

MD 4514 TVD 4432.86
INC 48.4 AZ 354.4

VS 230.16°

1/17/2013

MD 4545 TVD 4453.21
INC 49.5 AZ 354.3

VS 253.51°

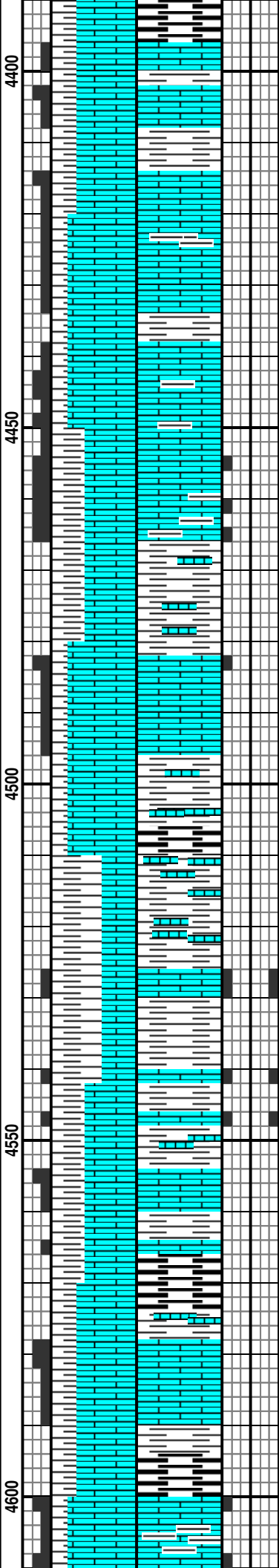
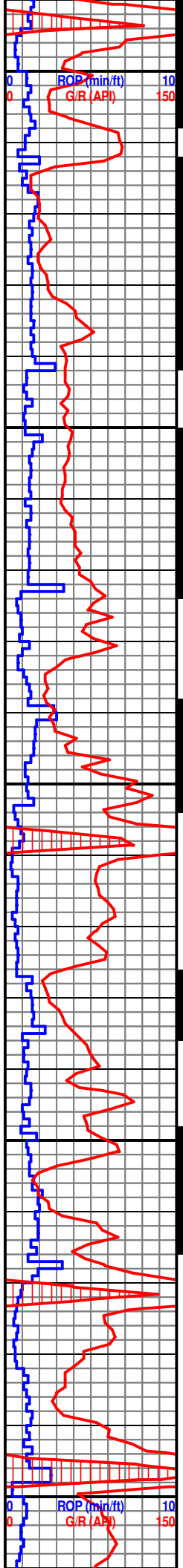
STARTING TANGENT @
4,565'

MD 4577 TVD 4473.7
INC 50.9 AZ 353.6

VS 278.06°

WOB-27.1
RPM-16
PP-1929
SPM-114
GPM-30

MD 4608 TVD 4493.27



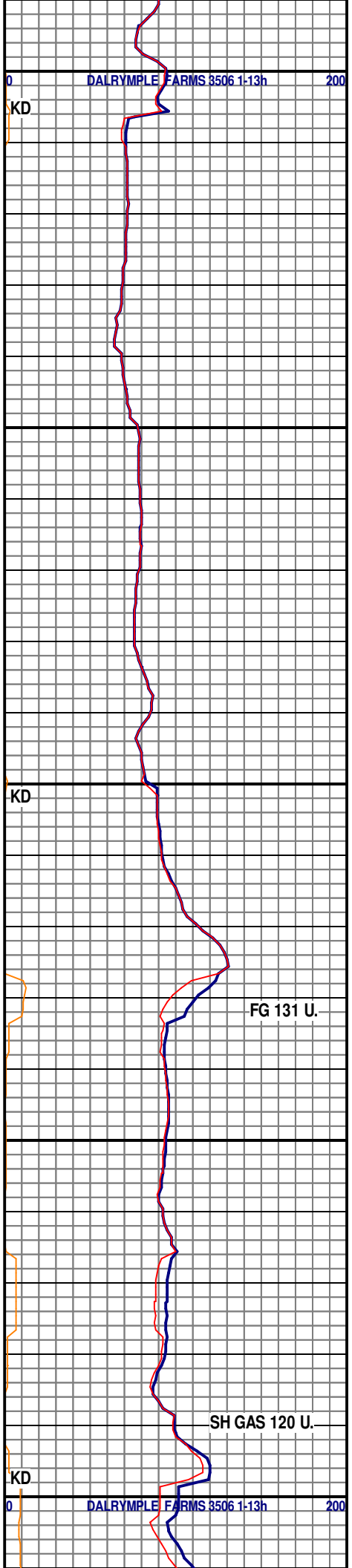
LS: LT TN-MOTT TN, SME DRK
TN, OCC CRM-OFF WHT, BLKY,
OCC PLTY, SUBRND-SUBANG,
SME RND, FRM-V FRM, OCC
MOD FRM, V FN-FN XLN, OCC
MED XLN, HL FRAC POR, OCC
FRAC POR, SH: LT GRY-GRY,
NO VIS FLOR, NO CUT, NO
RES RNG

LS: LT TN-MOTT TN, SME LT
GRY-MOTT GRY, PLTY, OCC
BLKY, SUBRND-SUBANG, SME
RND, V FN-FN XLN, HL FRAC
POR, SME FRAC POR, SH: LT
GRY-GRY, OCC MED GRY, TR
OF V DLL YEL GLD FLOR, NO
CUT, NO RES RNG

SH: BLK, OCC MED GRY-DRK
GRY, PLTY, OCC BLKY,
SUBANG-SUBRND, SME ANG,
SFT-MOD FRM, LS: LT TN-TN,
OCC MOTT TN-CRM, PP VUG
POR, OCC HL FRAC POR, V
SLI TR OF DLL YEL GLD FLOR,
SLO MLKY BLU GRN CUT, NO
RES RNG

LS: LT TN-TN, SME MOTT TN, PLTY,
SUBANG-SUBRND, SME RND, OCC
ANG, MOD FRM-FRM, OCC V FRM, V
FN-FN XLN, HL FRAC POR, SME FRAC
POR, SH: BLK, OCC DRK GRY, NO VIS
FLOR, NO CUT, NO RES RNG

CHEROKEE @
4,572' MD, 4,471' TVD
(-3,231')



FG 131 U.

SH GAS 120 U.

MD 4660 TVD 4453.27
INC 50.8 AZ 353.5

VS 302.05°

MD 4640 TVD 4513.54
INC 50.6 AZ 352.9

VS 326.75°

MD 4671 TVD 4533.15
INC 50.9 AZ 351.9

VS 350.67°

MD 4703 TVD 4553.42
INC 50.5 AZ 351.4

VS 375.31°

MD 4734 TVD 4573.26
INC 49.9 AZ 350.8

VS 398.99°

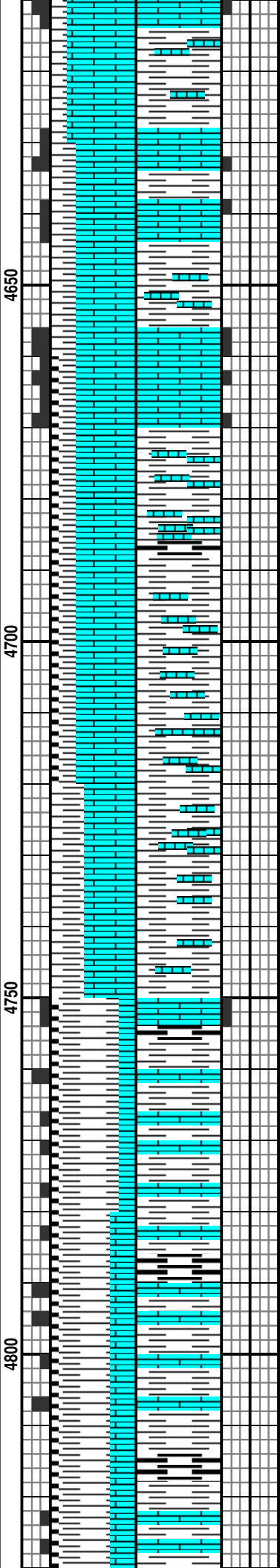
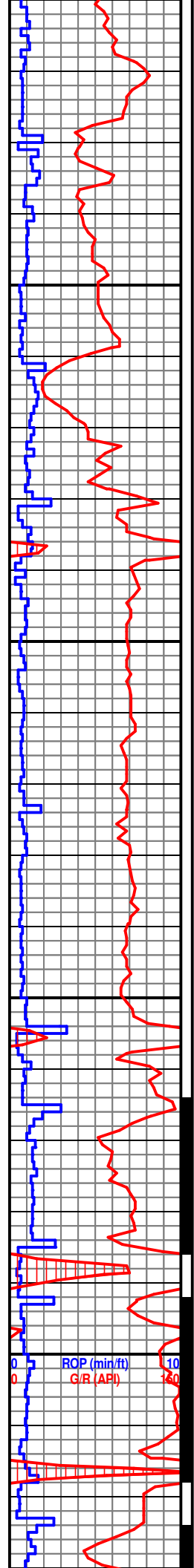
MD 4766 TVD 4593.75
INC 50.5 AZ 351.2

VS 423.43°

MD 4797 TVD 4612.94
INC 53 AZ 352.1

VS 447.66°

WOB-19.0
RPM-0
PP-2430
SPM-134
GPM-35



LS: LT TN-MOTT TN, SME LT GRY-MOTT GRY, BLKY, OCC PLTY, SUBANG-ANG, OCC SUBRND, MOD FRM-FRM, SME V FRM, V FN-FN XLN, HL FRAC POR, SME FRAC POR, SH: BLK, SME MED GRY-DRK GRY, OCC MED XLN, TR OF DLL YEL GLD FLOR, NO CUT, NO RES RNG

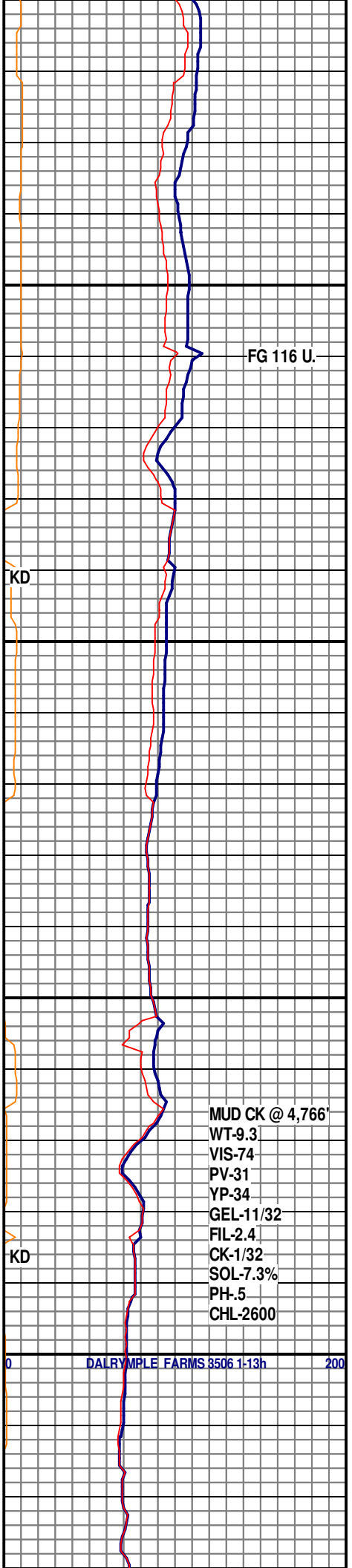
LS: LT TN-TN, SME MOTT TN, OCC LT GRY-MOTT GRY, PLTY, SUBRND-RND, SME SUBANG, FRM-V FRM, SME MOD FRM, FN-MED XLN, SME V FN XLN, HL FRAC POR, SME FRAC POR, SH: MED GRY-DRK GRY, SME BLK, TR OF DLL YEL GLD FLOR, NO CUT, NO RES RNG

**VERDIGRIS @
4,687' MD 4,543'TVD
(-3,303')**

LS: LT TN-TN, SME MED TN, OCC MOTT TN, PLTY, OCC BLKY, SUBRND-RND, SME SUBANG, FRM-V FRM, OCC MOD FRM, FN-MED XLN, OCC V FN XLN, PP VUG POR, SME HL FRAC POR, SH: BLK, SME GRY-DRK GRY, SCAT DLL YEL GLD FLOR, NO CUT, NO RES RNG

SH: MSTLY GRY-DRK GRY, PRED V FN-FN SMTH, SME WXY TEXT, OCC SLTY, BLKY, SME PLTY, MOD FRM-SFT, SLI TR DULL GLD FLOR, NO CUT, NO RES RING

SH: PRED MED GRY-DRK GRY, PLTY, OCC BLKY, SUBANG-SUBRND, SME ANG, SFT-MOD FRM, LS: LT TN-TN, OCC MOTT TN-CRM, PP VUG POR, OCC HL FRAC POR, V



FG 116 U.

KD

KD

MUD CK @ 4,766'
WT-9.3
VIS-74
PV-31
YP-34
GEL-11/32
FIL-2.4
CK-1/32
SOL-7.3%
PH-5
CHL-2600

MD 4829 TVD 4631.58
INC 55.7 AZ 353
VS 473.57'

MD 4860 TVD 4648.31
INC 59.4 AZ 353.3
VS 499.6'

MD 4892 TVD 4664.23
INC 61.3 AZ 353.4
VS 527.29'

MD 4923 TVD 4678.4
INC 64.3 AZ 353.8
VS 554.81'

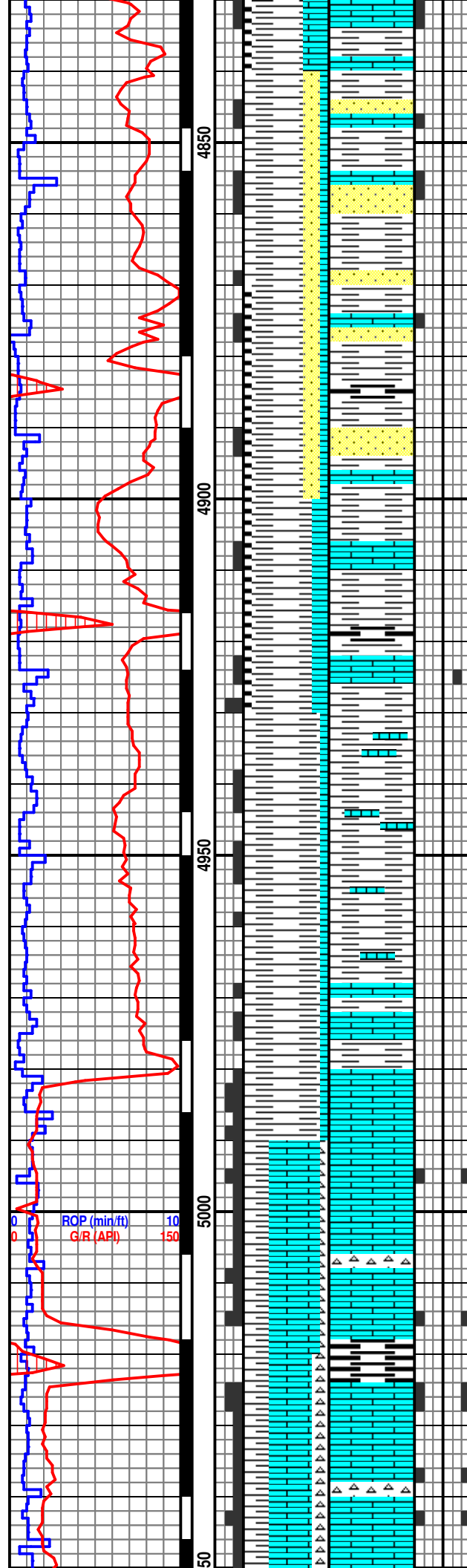
MD 4955 TVD 4691.52
INC 67.3 AZ 353.7
VS 583.94'

WOB-34.5
RPM-0
PP-2206
SPM-131
GPM-34

MD 4987 TVD 4703.35
INC 69.3 AZ 354.1
VS 613.62'

1/18/2013

MD 5018 TVD 4713.75
INC 71.5 AZ 355.1
VS 642.79'



SLI TR OF DLE YEL-GLD
FLOR, NO CUT, NO RES RNG

SH: ABUN GRY-DRK GRY, OCC
BLCK, PRED V FN-FN SMTH,
SME SLTY TXT, PRED BLKY,
SME PLTY, MOD FRM-SFT, SLI
TR DULL GLD FLOR, NO CUT,
NO RES RNG

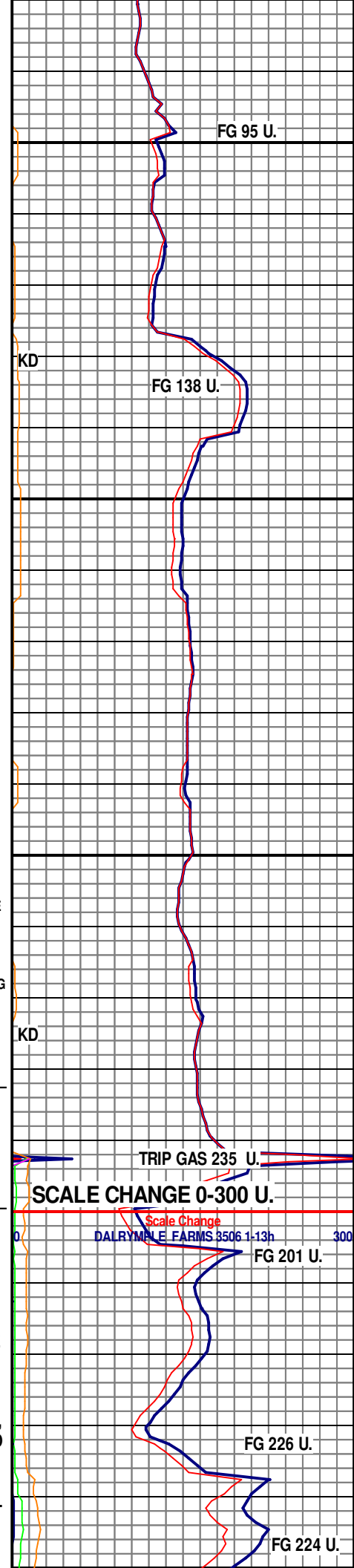
SH: PRED LT GRY-DRK GRY,
SME GRY, OCC BLK, PRED V
FN-FN, SMTH, SME SLTY-WXY
TXT, PRED BLKY, SME PLTY,
MOD FRM-SFT, SLI TR DULL
GLD FLOR, NO CUT, NO RES
RING

LS: LT TN-MOTT TN, SME TN, PLTY,
OCC BLKY, ANG-SUBANG, OCC
SUBRND, MOD FRM-FRM, FN-MED
XLN, SME V FN XLN, PP VUG POR, SME
HL FRAC POR, SH: MSTLY GRY-DRK
GRY, PRED V FN-FN SMTH, SME
WXY-SLTY, BLKY, SME PLTY, MOD
FRM-SFT, BRI YEL GRN FLOR, MLKY
BLU GRN CUT, THN YEL GRN RES RNG

MISSISSIPPI LIME @
4,982' MD 4,701' TVD
(-3,461')

TOH @ 4,993' TO
SERVICE TOP DRIVE

LS: LT TN-TN, SME CRM, OCC
LT GRY-MOTT TN, PLTY, OCC
BLKY, SUBANG-SUBRND, SME
ANG, MOD FRM-FRM, SME V
FRM, V FN-FN XLN, OCC MED
XLN, HL FRAC POR, SME PP
VUG POR, SME INTRXLN POR,
CHT: OFF WHT-WHT, SH: PRED
BLK, OCC LT GRN-LT GRY,
SCTRD BRI YEL GRN FLOR,
MLKY BLU GRN CUT, MED YEL
GRN RES RNG



FG 95 U.

FG 138 U.

TRIP GAS 235 U.

SCALE CHANGE 0-300 U.

Scale Change
DALRYMPLE FARMS 3506 1-13h

FG 201 U.

FG 226 U.

FG 224 U.

MD 5050 TVD 4723.13
INC 74.4 AZ 356.3
VS 673.36'

MD 5081 TVD 4730.79
INC 77 AZ 356.9
V-SEC 703.4

WOB-32.5
RPM-0
PP-2206
SPM-131
GPM-34

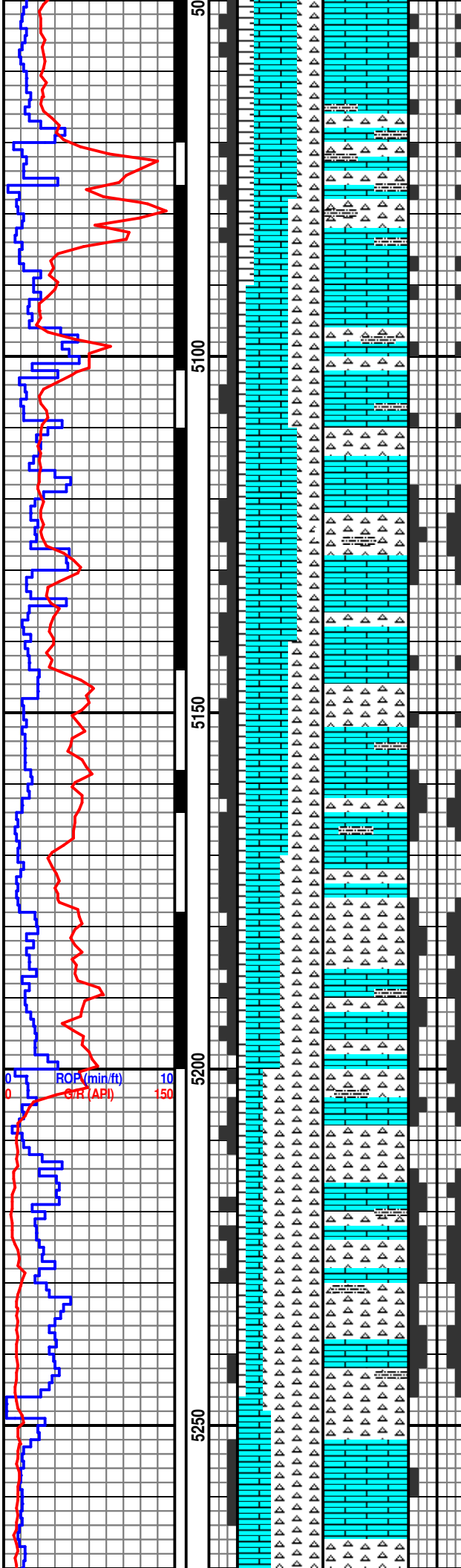
MD 5113 TVD 4737.06
INC 80.4 AZ 357
V-SEC 734.77

MD 5144 TVD 4741.32
INC 83.8 AZ 356.5
V-SEC 765.47

MD 5176 TVD 4744.05
INC 86.4 AZ 356.5
V-SEC 797.35

WOB-21.5
RPM-23
PP-2364
SPM-130
GPM-35

1/23/2013



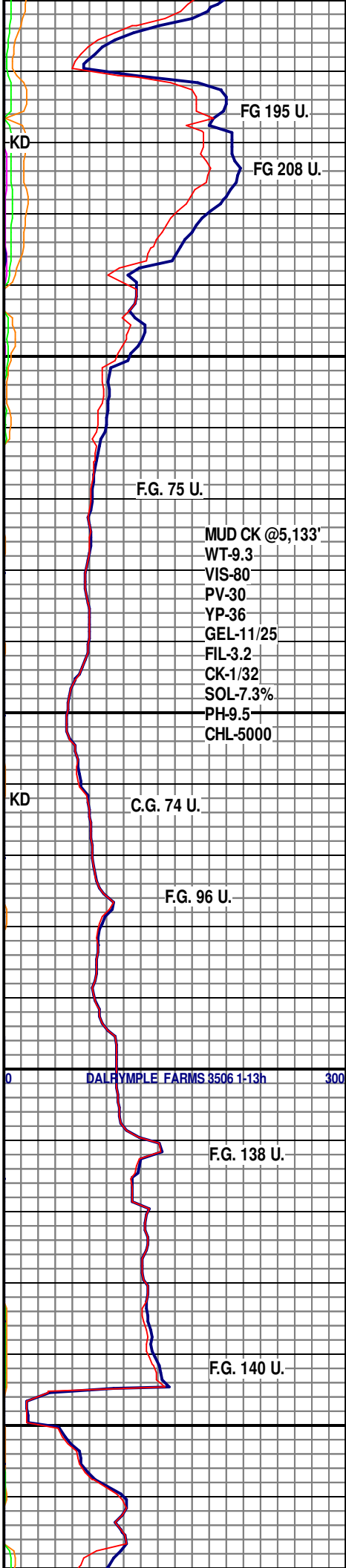
LS: LT TN-TN, SME MOTT TN,
PLTY, SUBRND-SUBANG, SME
ANG, FRM- V FRM, OCC MOD
FRM, OCC HRD, FN-MED XLN,
OCC V FN XLN, PP VUG POR,
SME INTRXLN POR, OCC HL
FRAC POR, CHT: OFF
WHT-OPQ, SCTRD BRI YEL
GRN FLOR, MLKY BLU WHT
CUT, FR YEL GRN RES RNG

LS: PRED LT TN TO CRM, SME
SCAT DRK TN, PRED AND TO
SUB ANG, TR OF SCAT PLTY,
PRED FRM TO MOD FRM, SME
SFT TO SCAT CHLKY, PRED FN
TO MED XLN, PR TO OCC FR
HL FRAC POR, CHRT: MSTLY
WHT TO OFF WHT, SLI TR OF
OPQ, PRED ANG TO SUB ANG,
PLTY, SCAT BRI YELL TO GLD
FLOUR, PRED MLKY BLU TO
WHT CUT, FR GRN TO YELL
RES RNG, SCAT SHALE STILL
PRESENT.

CHRT: PRED WHT TO OFF
WHT, TR OF SCAT OPQ, PRED
FRM TO V-FRM, SME SCAT
BRTLE, PRED ANG TO PLTY,
SME SUB ANG, LS: LT TN TO
SME SCAT DRK TN, CRM,
PRED ANG TO SUB ANG, SCAT
HL FRAC POR, SCAT YELL TO
GLD FLOUR, PRED FR TO OCC
FLSH BLU TO WHT CUT, FR
GRN YELL RES RNG, SLI TO
MOD ODOR, VIS FREE OIL ON
SHAKERS.

CHRT: MSTLY OPQ, SME WHT TO OFF
WHT, PRED V-FRM TO HRD, SME SCAR
MOD FRM, V-SLI TR OF SCAT BRTLE,
PRED ANG TO SUB ANG, SLI TR OF
SCAT PLTY, TR OF MC XLN, LS: PRED
TN TO LT TN, SME CRM TO DRK TN,
PRED ANG TO SUB ANG, FRM TO MOD
FRM, SCAT HL FRAC POR, SCAT YELL
TO GLD FLOUR, PRED FR BLU TO WHT
MLKY TO OCC FLSH CUT, FR GRN TO
YELL RES RNG, SLI TR OF FREE OIL ON
SHAKERS.

T.O.H ON 01/18/13 TO
RUN 7" CASING
N/B #5, 6.125", SMITH,
XR50YODPS,
12148050, JETS 3X16,
2.12° MOTOR



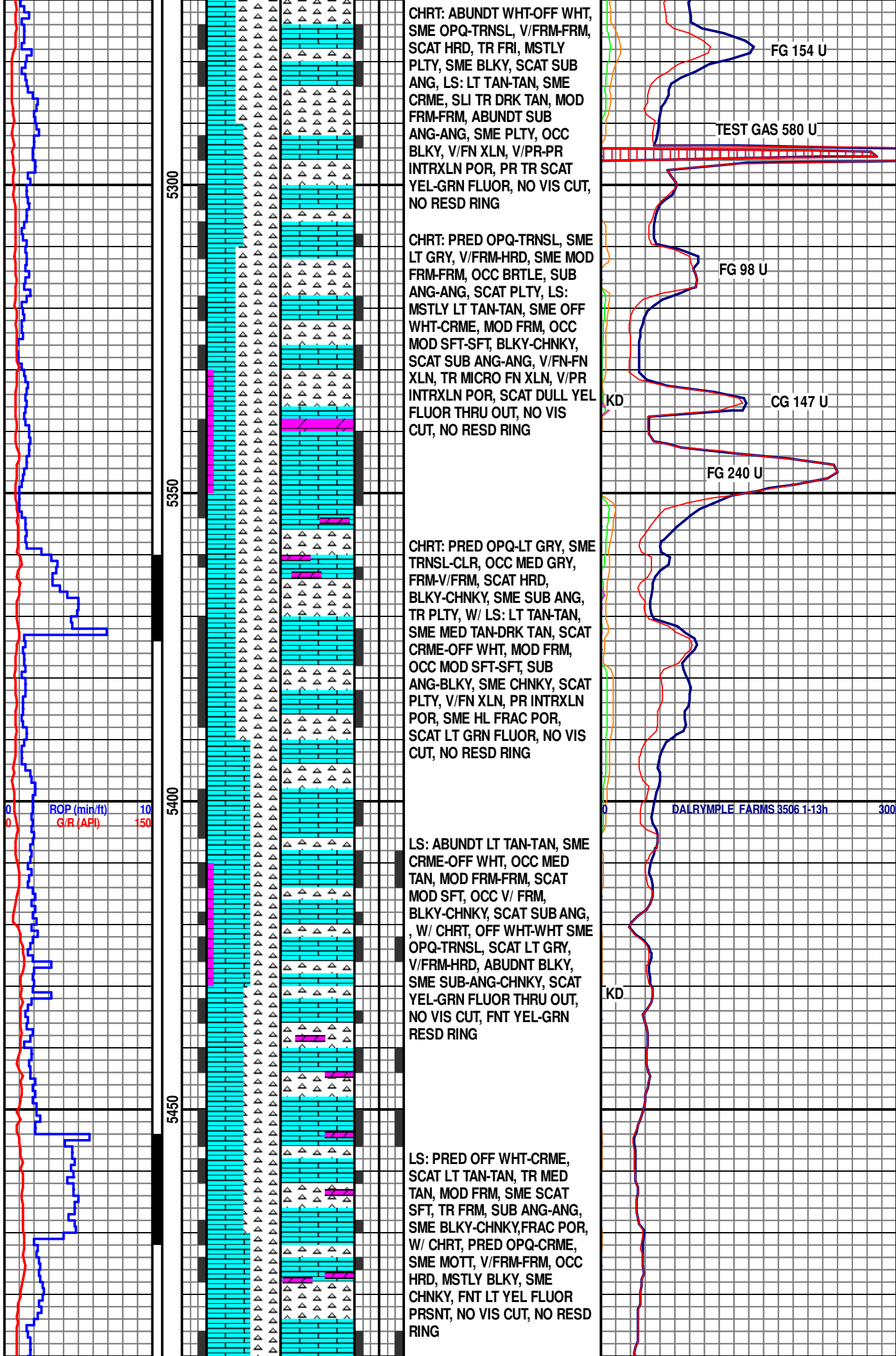
MD 5284 TVD 4747.82
INC 89.6 AZ 357.1
V-SEC 905.27

01/24/2013

MD 5378 TVD 4748.31
INC 89.8 AZ 357.3
V-SEC 999.27

WOB- 28.6
RPM- 55
PP- 1078
SPM- 70
GPM- 18

MD 5474 TVD 4747.72
INC 90.9 AZ 357
VS 1095.26'

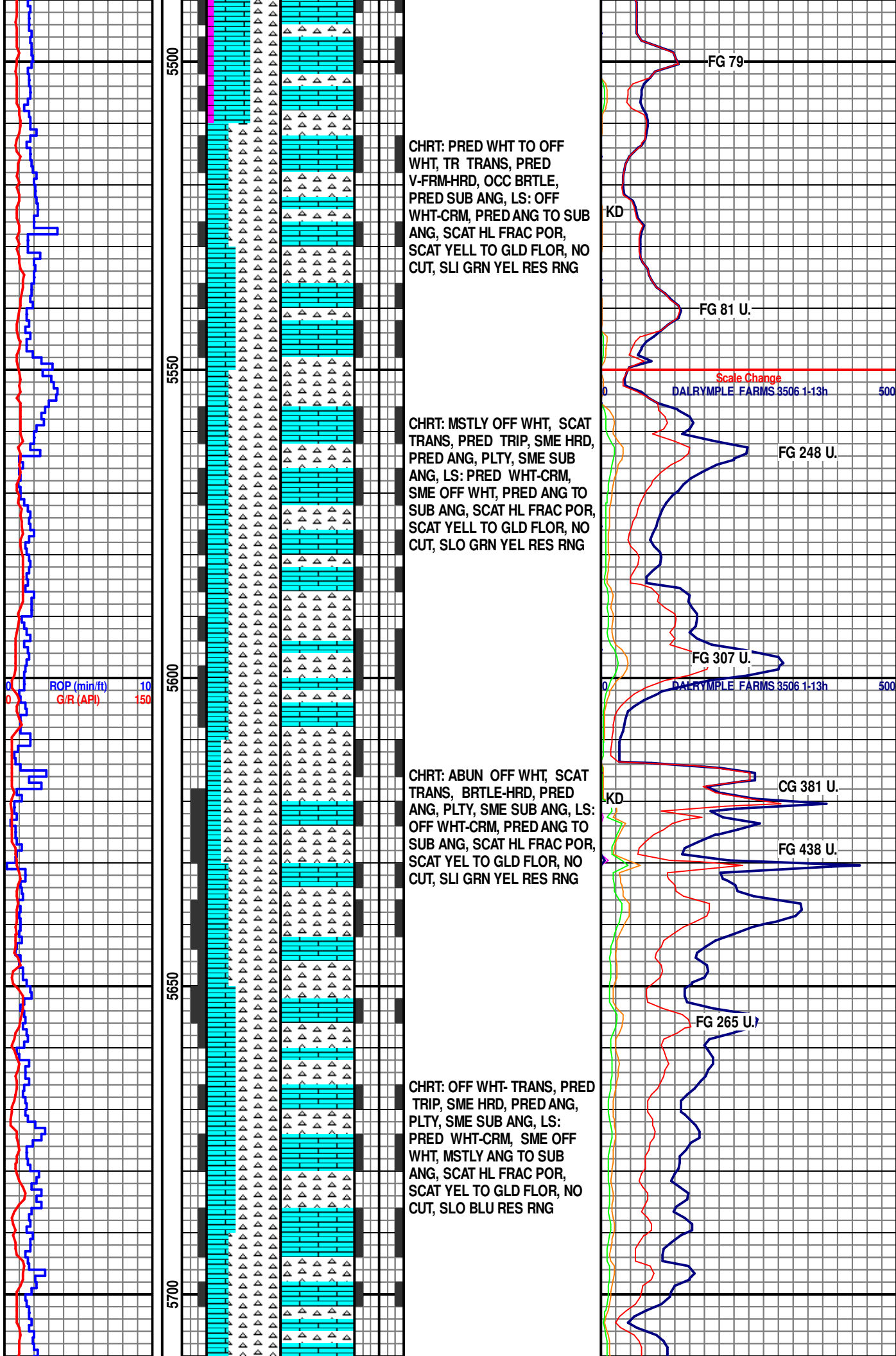


MD 5568 TVD 4745.34
INC 92 AZ 357.2
VS 1189.23'

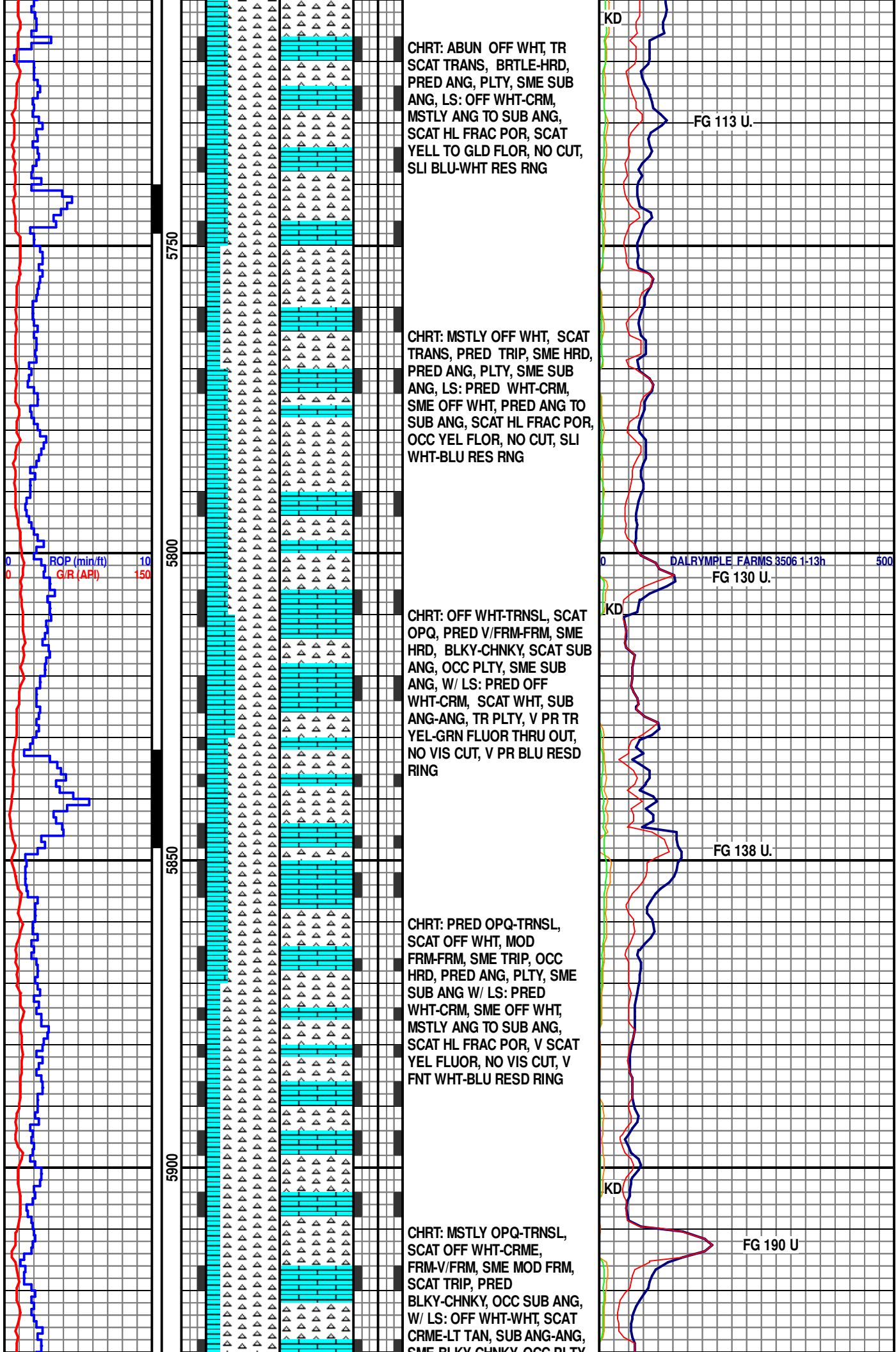
WOB-27.6
RPM-58
PP-1084
SPM-71
GPM-19

MUD CK @ 5,604'
WT-8.4
VIS-26
PV-1
YP-1
GEL-1/1
FIL-60.4
CK-1/32
SOL-.5
PH-
CHL-80

MD 5663 TVD 4741.53
INC 92.6 AZ 358.5
VS 1284.15'



MD 5852 TVD 4735.25
INC 89.8 AZ 357.2
V SEC 1473



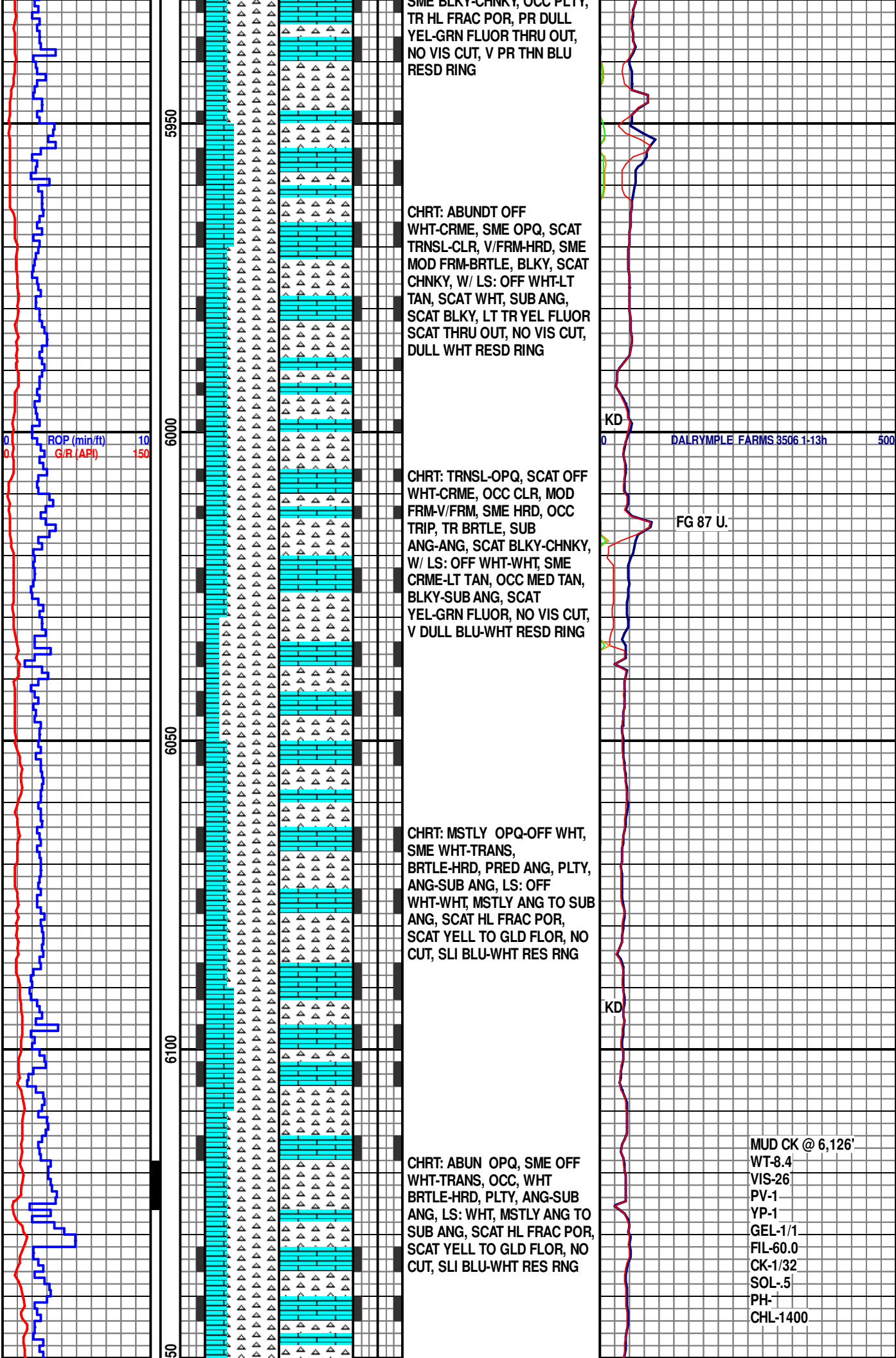
01/25/2013

MD 5948 TVD 4735.25
INC 90.2 AZ 357.5
VSEC 1569

WOB- 27.3
RPM- 55
PP- 1035
SPM- 70
GPM- 33

MD 6043 TVD 4733.68
INC 91.7 AZ 356.5
VS 1663.99'

MD 6138 TVD 4730.78
INC 91.8 AZ 356.5
VS 1758.93'

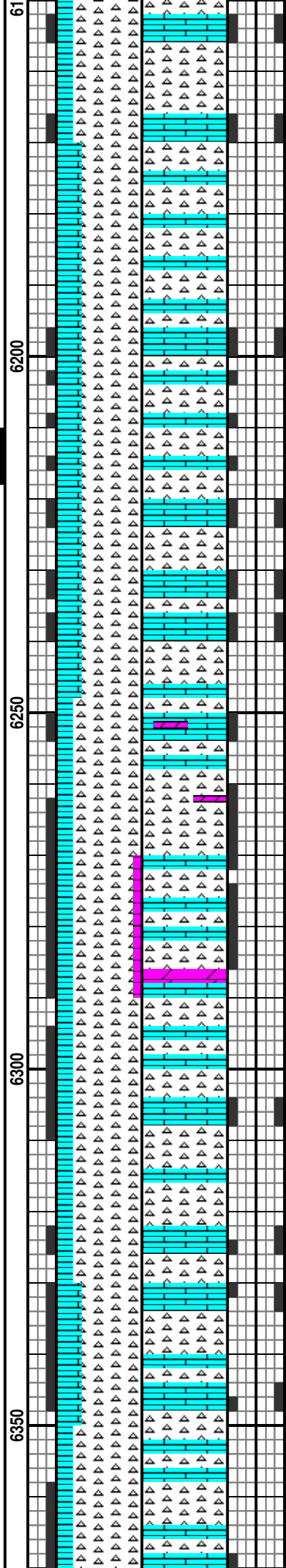
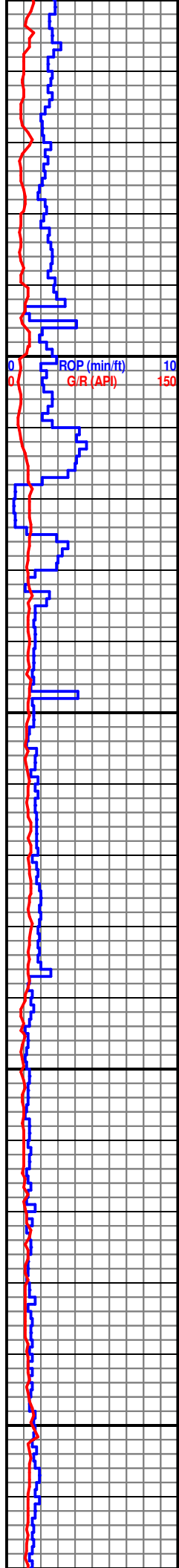


WOB-26.6
RPM-55
PP-1042
SPM-71
GPM-19

01/26/2013

MD 6232 TVD 4729.46
INC 89.8 AZ 356.6
VS 1852.91'

MD 6327 TVD 4729.22
INC 90.5 AZ 356.5
V SEC 1947.91



CHRT: PRED OPQ-TRANS, SME WHT-OFF WHT, BRTLE-HRD, PRED ANG-SUB ANG, PLTY, LS: WHT, ANG TO SUB ANG, SCAT HL FRAC POR, SCAT YELL TO GLD FLOR, NO CUT, SLI BLU-WHT RES RING

CHRT: OPQ-TRNSL, SCAT CLR, OCC WHT-OFF WHT, MSTLY FRM-V/FRM, OCC HRD, TR BRTLE, BLKY-CHNKY, OCC PLTY, W/ LS: OFF WHT-CRME, MOD FRM, SCAT MOD SFT-SFT, BLKY-SUB ANG, SME HL FRAC POR, PR YEL-GRN FLUOR, NO VIS CUT, V FNT THIN BLU-WHT RESD RING

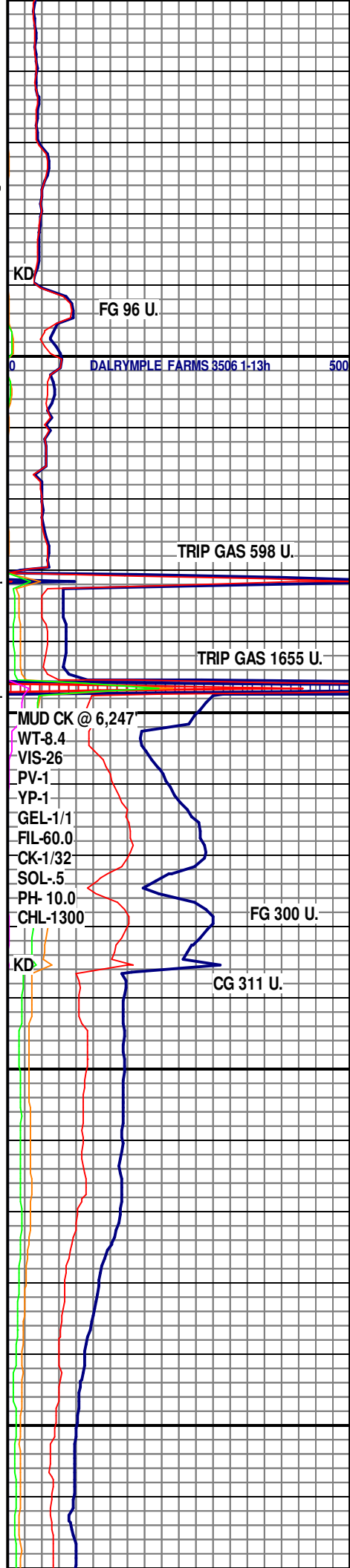
T.O.O.H @ 6,232 FOR N/B#6, 6.125, ODPS, XR50Y, PY2258,

T.O.O.H @ 6,247' FOR NEW MOTOR

CHRT: MSTLY TRANS - WHT, SME OFF WHT, BRTLE-HRD, PRED ANG-SUB ANG, PRED PLTY, LS: WHT-OFF WHT, ANG TO SUB ANG, SME HL FRAC POR, SME PP VUG POR, OCC YELL TO GLD FLOR, NO CUT, NO RES RING

CHRT: PRED TRNSL-OPQ, SME OFF WHT-WHT, OCC CLR, MOD FRM-V/FRM, SCAT HRD, TR BRTLE, SUB ANG-BLKY, SME PLTY, W/ LS: OFF WHT-CRME, SCAT LT TAN-TAN, MOD FRM, SUB ANG-ANG, PR TR YEL-GRN FLUOR, SLOW MLKY WHT CUT, NO RESD RING

CHRT: TRSNL-CLR, SME OPQ-OFF WHT, V/FRM-HRD, SME BRTLE-MOD FRM, BLKY-CHNKY, OCC PLTY, W/

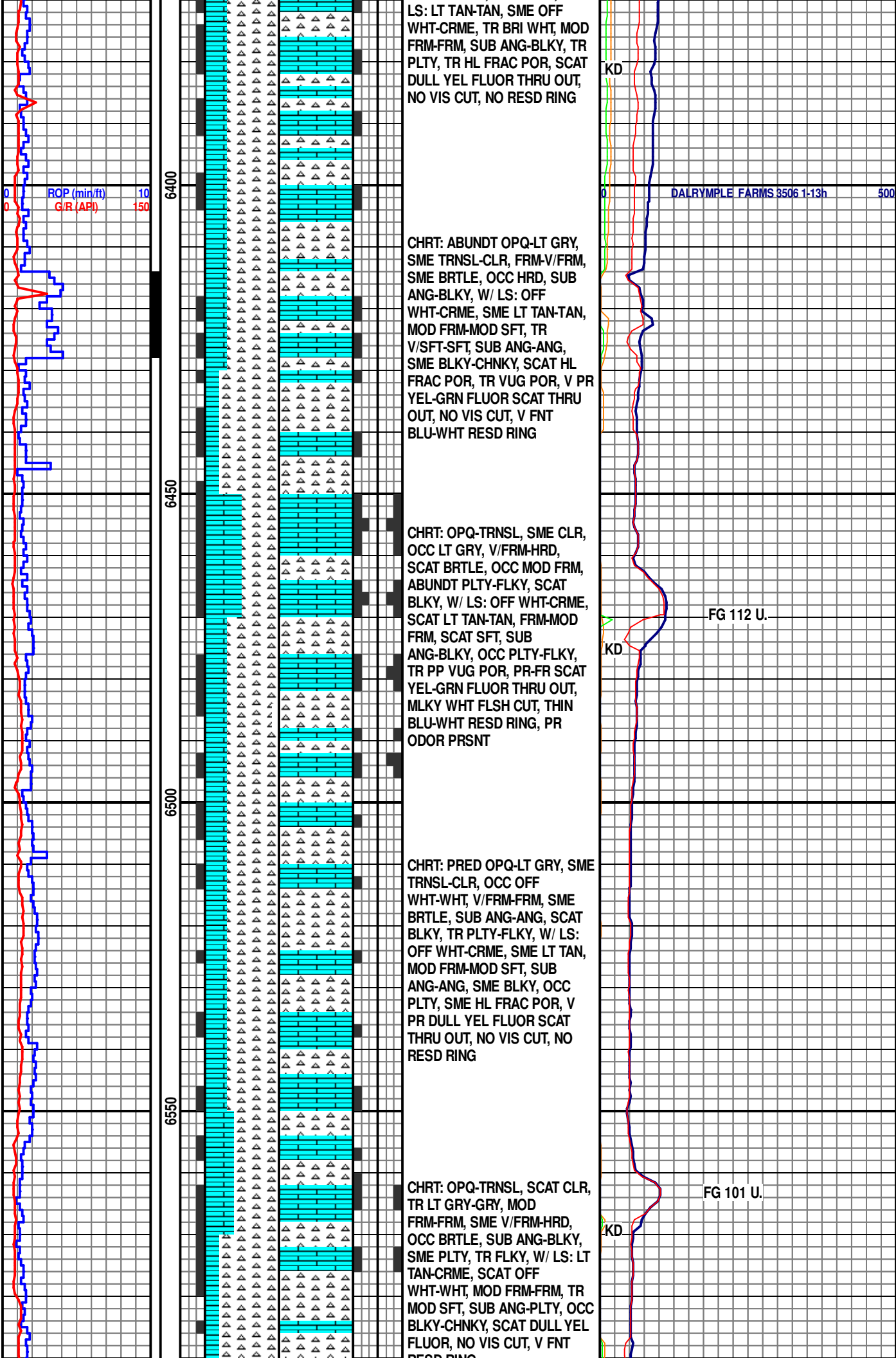


WOB- 28.7
RPM- 53
PP- 1033
SPM- 68
GPM- 18

MD 6422 TVD 4728.3
INC 90.6 AZ 356.3
V SEC 2042.89

01/27/2013

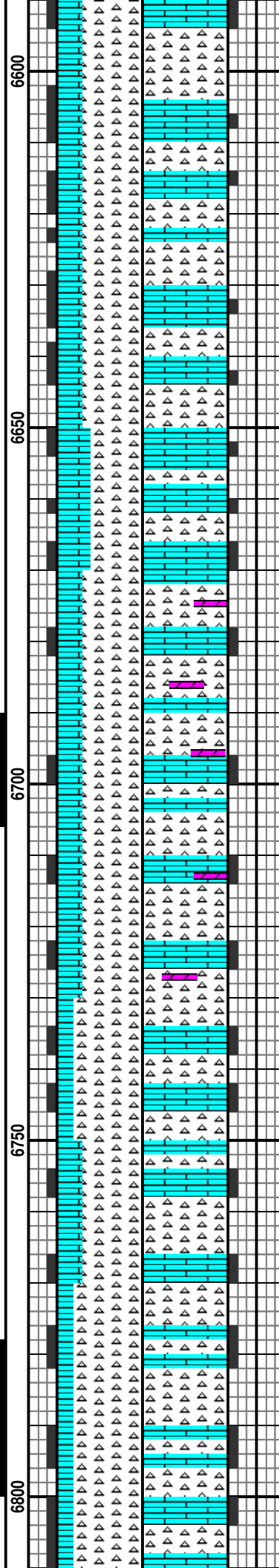
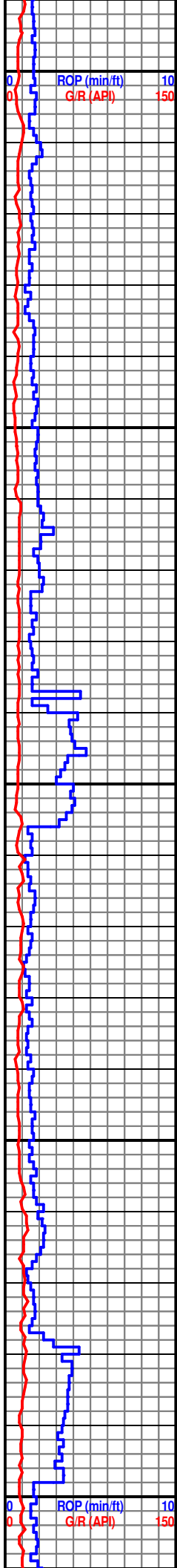
MD 6517 TVD 4728.22
INC 89.5 AZ 356.6
V SEC 2137.88



MD 6612 TVD 4729.96
INC 88.4 AZ 357.1
V SEC 2232.86

MD 6707 TVD 4732.37
INC 88.7 AZ 358.3
VS 2327.82'

MD 6802 TVD 4732.37
INC 91.3 AZ 357.9
VS 2422.81'

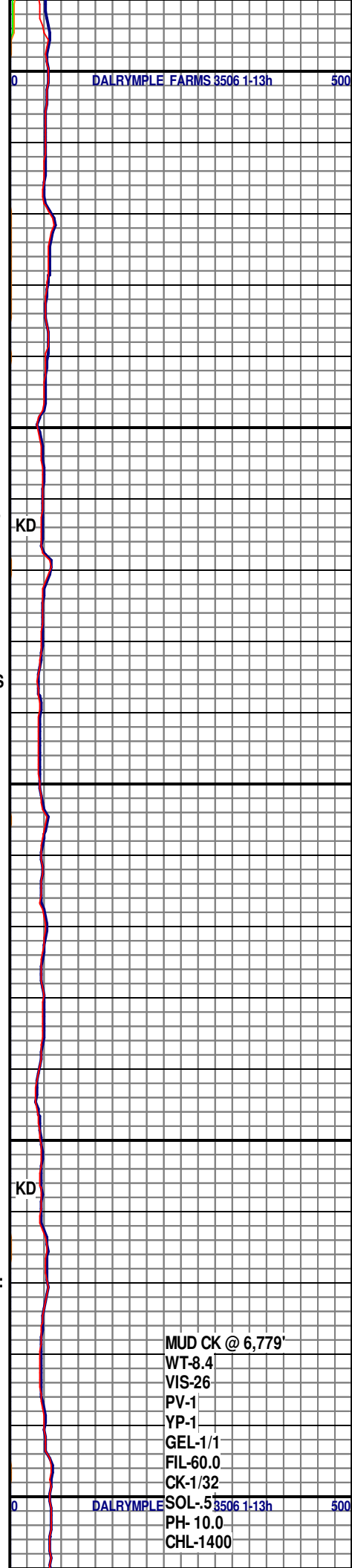


CHRT: LT GRY-OPQ, SME OFF
WHT-WHT, SCAT TRNSL,
V/FRM-FRM, SME MOD
FRM-SFT, BLKY-CHNKY, SCAT
SUB ANG, OCC PLTY, W/ LS:
OFF WHT-WHT, SME LT
TAN-TAN, SCAT CRME, MOD
FRM, OCC SFT, SUB
ANG-BLKY, SME PLTY, SCAT
HL FRAC POR, V PR YEL-GRN
FLUOR SCAT THRU OUT, NO
VIS CUT, NO RESD RING

CHRT: ABUNDT OPQ-TRNSL,
SCAT OFF WHT-CRME, OCC LT
GRY, MOD FRM-FRM, OCC
SFT-BRTLE, TR HRD,
BLKY-CHNKY, SME PLTY, W/
LS: LT TAN-TAN, SME MED
TAN, SCAT OFF WHT-CRME,
MOD FRM-MOD SFT, SUB
ANG-CHNKY, SCAT PLTY, V PR
SCAT YEL-GRN FLUOR, NO VIS
CUT, NO RESD RING

CHRT: MSTLY TRANS - WHT,
SME OFF WHT-OPQ,
BRTLE-HRD, PRED ANG-SUB
ANG, PRED PLTY, LS:
WHT-OFF WHT, ANG TO SUB
ANG, SME HL FRAC POR, SME
PP VUG POR, OCC YEL FLOR,
NO CUT, NO RES RNG

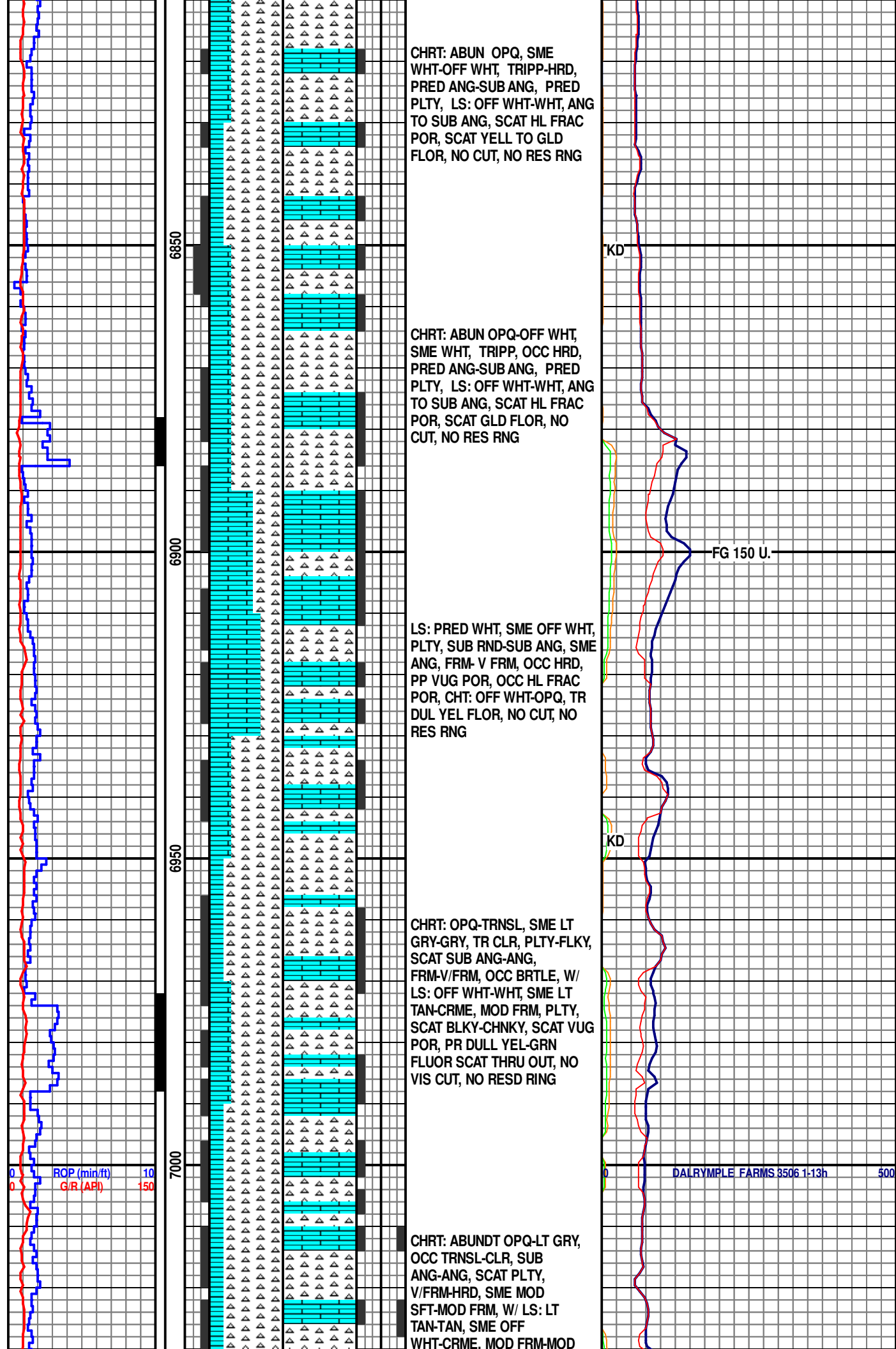
CHRT: PRED WHT-OPQ,
BRTLE TO HRD, PRED
ANG-SUB ANG, SME PLTY, LS:
WHT-OFF WHT, ANG TO SUB
ANG, SME HL FRAC POR, SME
PP VUG POR, OCC YEL FLOR,
NO CUT, NO RES RNG



MD 6897 TVD 4731.45
INC 89.8 AZ 358.8
VS 2517.78'

MD 6991 TVD 4731.54
INC 90.1 AZ 359.1
V SEC 2611.74

WOB- 30.6
RPM- 53
PP- 1024
SPM- 66
GPM- 17

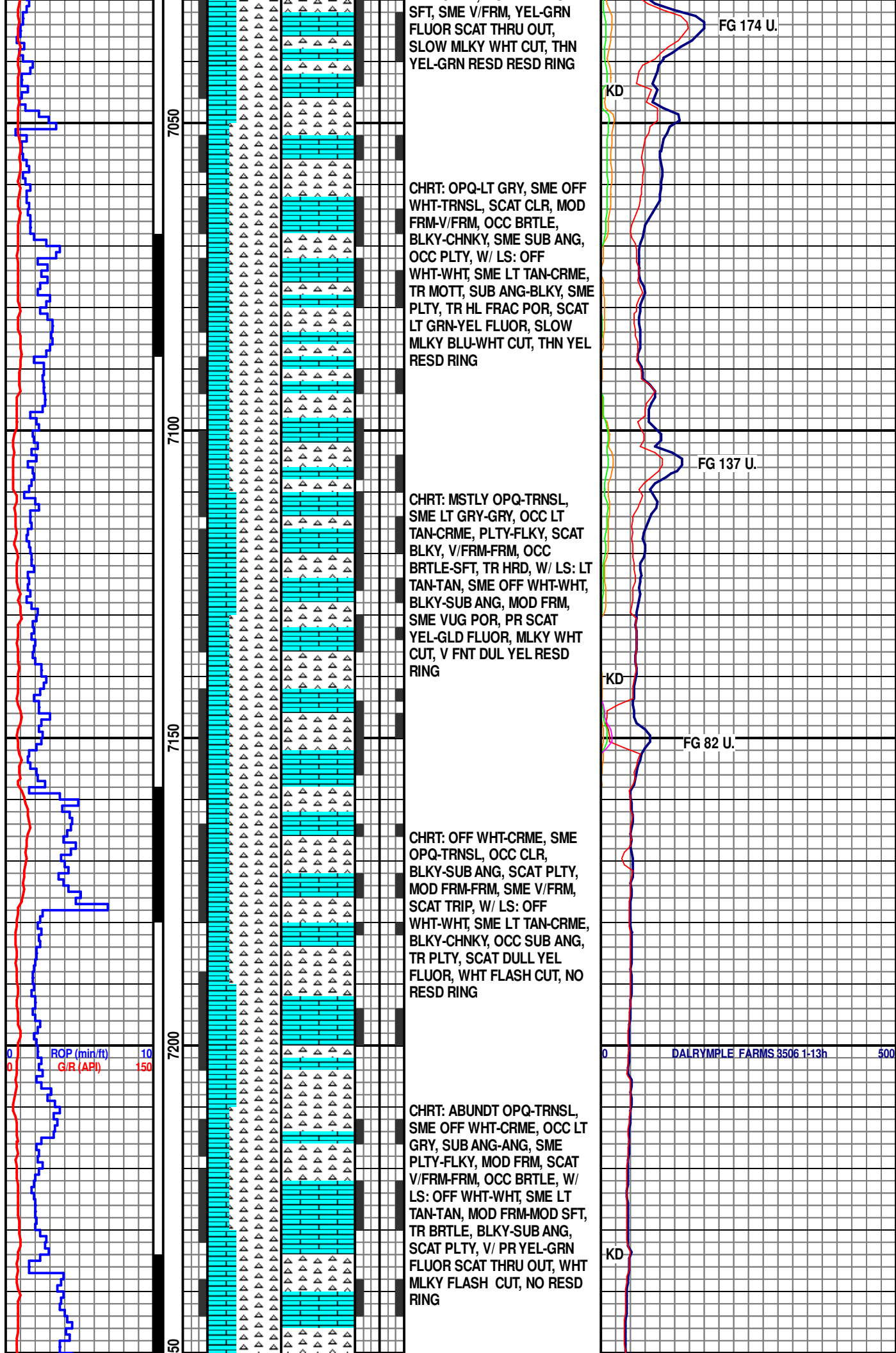


MD 7086 TVD 4733.44
INC 87.6 AZ 358.7
V SEC 2706.67

01/28/2013

MD 7181 TVD 4736.76
INC 88.4 AZ 359
V SEC 2801.57

WOB- 29.2
RPM- 55
PP- 1007
SPM- 69
GPM- 18



MD 7302 TVD 4739.4
INC 89.1 AZ 359.4
V SEC 2922.47

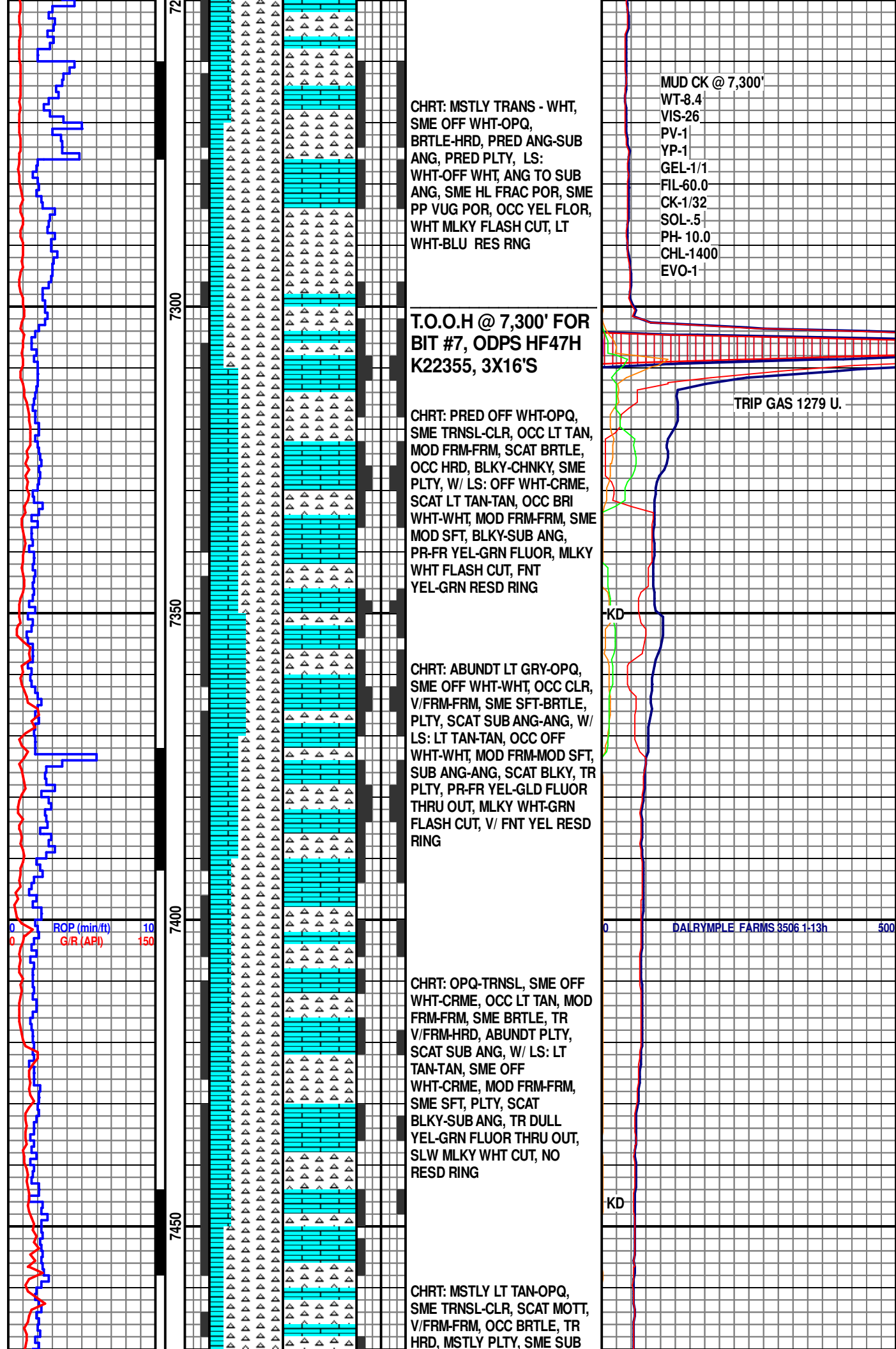
MW- 8.4
VIS- 26

MD 7397 TVD 4740.39
INC 89.7 AZ 358
V SEC 3017.44

01/29/2013

MW- 8.4
VIS- 26

WOB- 32.6
RPM- 57
PP- 1800
SPM- 69
GPM- 19

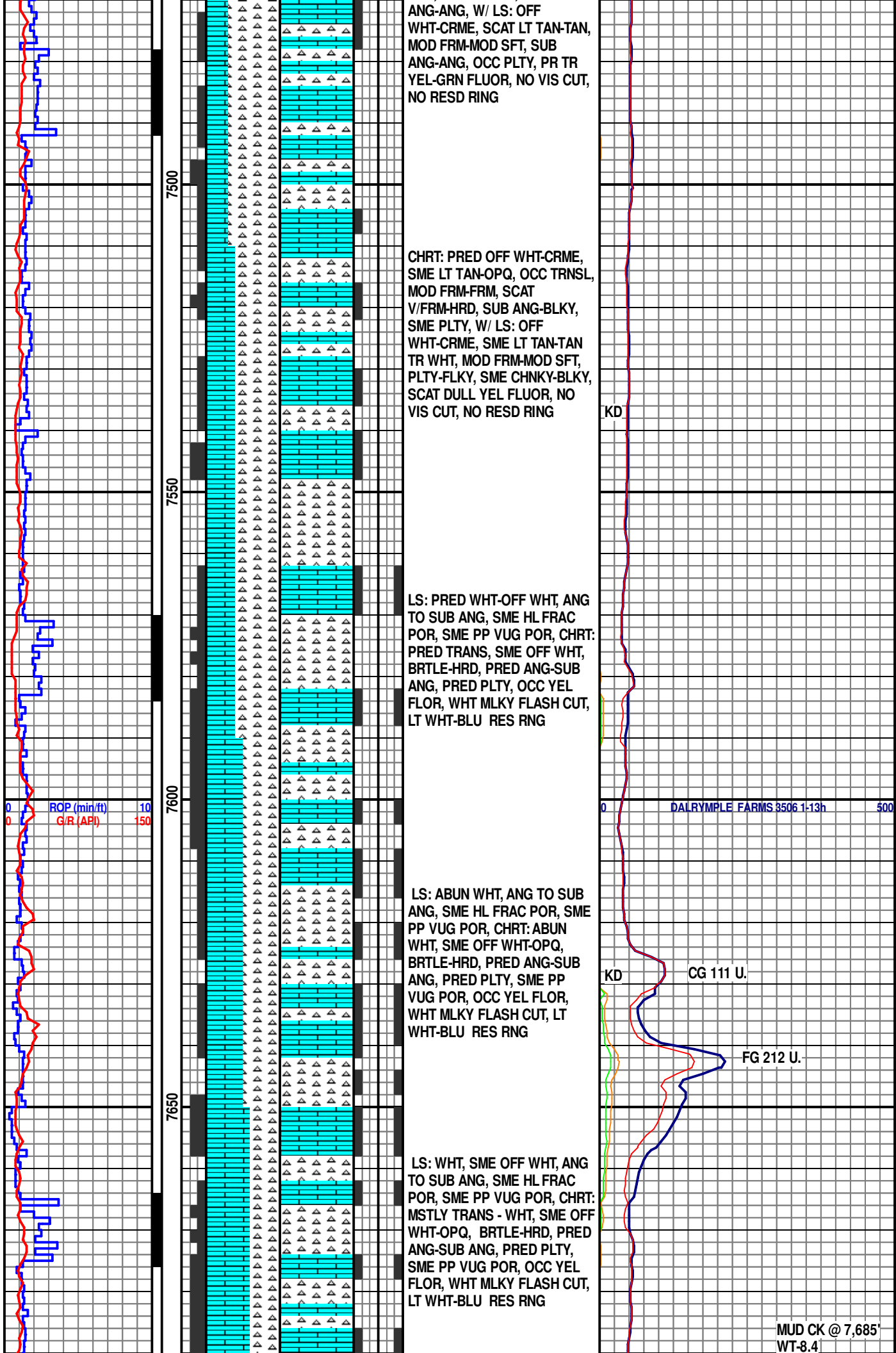


MD 7490 TVD 4738.61
INC 92.5 AZ 356.5
V SEC 3110.41

MD 7585 TVD 4733.3
INC 93.9 AZ 356.3
VS 3205.25

WOB-29.2
RPM-54
PP-1895
SPM-70
GPM-18

MD 7680 TVD 4728.91
INC 91.4 AZ 354.6
VS 3300.09'

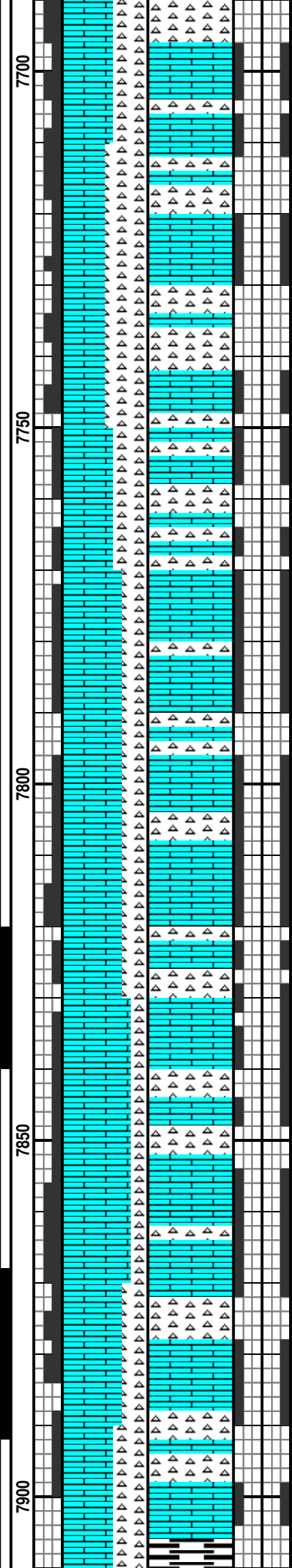
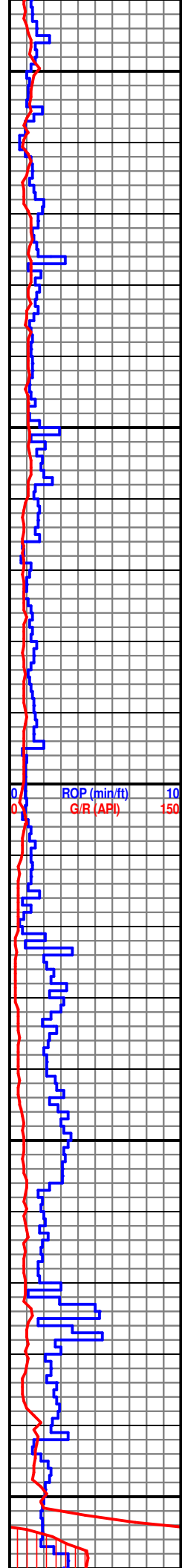


MD 7775 TVD 4728.25
INC 89.4 AZ 354.2
VS 3394.96'

WOB-27.8
RPM-54
PP-1919
SPM-70
GPM-18

MD 7870 TVD 4726.18
INC 93.1 AZ 355.6
V SEC 3489.84

MD 7901 TVD 4723.91
INC 95.3 AZ 355.8
V SEC 3520.75



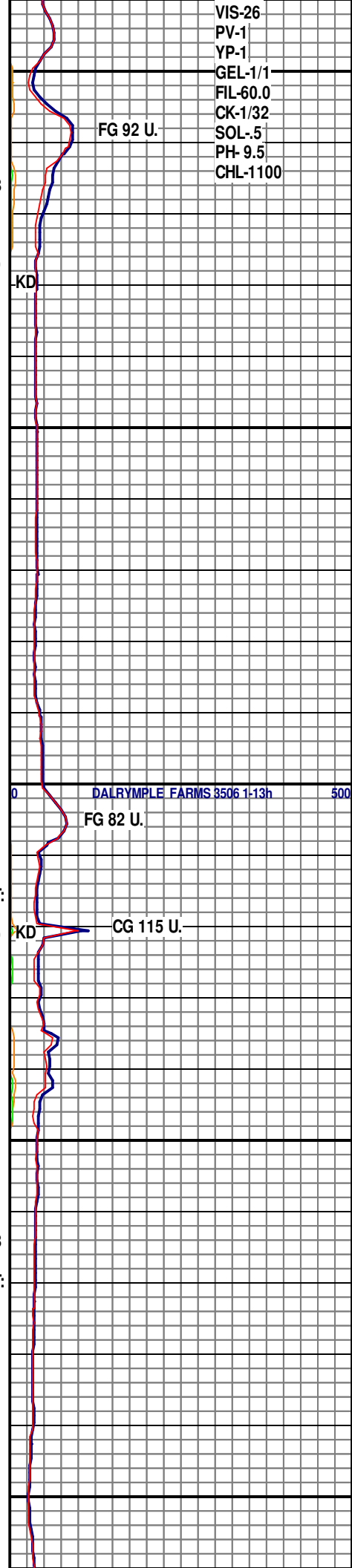
LS: PRED WHT-OFF WHT, SUB
ANG, SME HL FRAC POR, SME
PP VUG POR, CHRT: MSTLY
TRANS - WHT, SME OFF
WHT-OPQ, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
SME PP VUG POR, OCC YEL
FLOR, WHT MLKY FLASH CUT,
LT WHT-BLU RES RNG

LS: PRED WHT, ANG, SME HL
FRAC POR, SME PP VUG POR,
CHRT: PRED TRANS, SME OFF
WHT, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
OCC YEL FLOR, WHT MLKY
FLASH CUT, LT WHT-BLU RES
RNG

LS: MSTLY OFF WHT, SME
WHT,SUB ANG, SME HL FRAC
POR, SME PP VUG POR, CHRT:
TRANS - WHT, SME OFF
WHT-OPQ, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
SME PP VUG POR, OCC YEL
FLOR, WHT MLKY FLASH CUT,
LT WHT-BLU RES RNG

LS: PRED OFF WHT- WHT, SUB
ANG - ANG, SME HL FRAC
POR, SME PP VUG POR, CHRT:
PRED TRANS, SME OFF WHT,
BRTLE-HRD, PRED ANG-SUB
ANG, PRED PLTY, OCC YEL
FLOR, WHT MLKY FLASH CUT,
LT WHT-BLU RES RNG

LS: OFF WHT-WHT, SME LT



VIS-26
PV-1
YP-1
GEL-1/1
FIL-60.0
CK-1/32
SOL-.5
PH- 9.5
CHL-1100

FG 92 U.

FG 82 U.

CG 115 U.

MD 7932 TVD 4720.99
INC 95.5 AZ 355.8
V SEC 3551.6

MD 7964 TVD 4718.4
INC 93.8 AZ 356.5
V SEC 3583.49

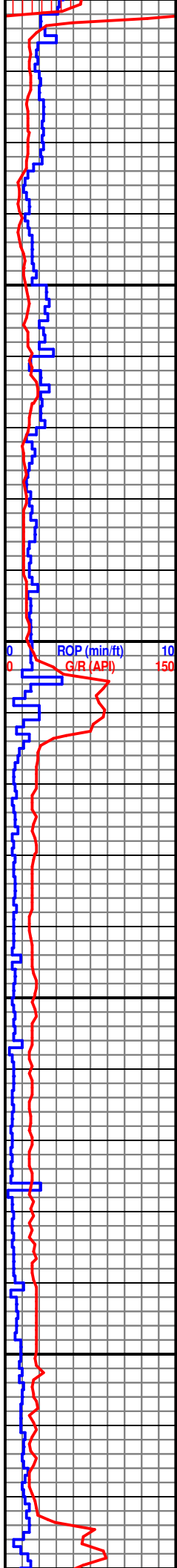
MD 7996 TVD 4716.58
INC 92.7 AZ 357.4
V SEC 3615.43

WOB- 40.7
RPM- 57
PP- 1874
SPM- 70
GPM- 18

01/30/2013

MD 8059 TVD 4714.93
INC 90.3 AZ 357.7
V SEC 3678.41

MD 8122 TVD 4714.05
INC 91.3 AZ 359.1
V SEC 3741.38



7950

8000

8050

8100



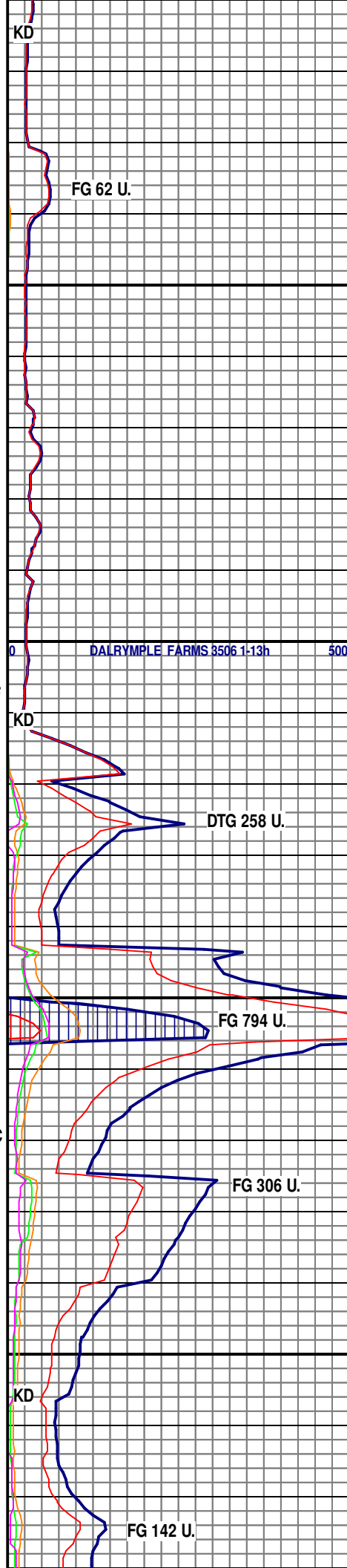
TAN-TAN, OCC CRME, MOD
FRM-FRM, SCAT MOD SFT,
SCAT HL FRAC POR, W/ CHRT:
OPQ-TRNSL, SCAT OFF WHT,
TR LT GRY, MOD FRM-MOD
SFT, SME V/FRM, PLTY-FLKY,
SME SUB ANG, TR DRK
GRY-BLK SHALE, SCAT
YEL-GRN FLUOR, MLKY WHT
FLASH CUT, FNT YEL-WHT
RESID RING

LS: ABUNDT OFF WHT-CRME,
SCAT LT TAN, OCC WHT-BRI
WHT, MOD FRM-MOD SFT, SUB
ANG-ANG, SME HL FRAC POR,
OCC PP VUG POR, W/ CHRT:
LT TAN-OPQ, SME TRNSL-CLR,
FRM-V/FRM, SME MOD
FRM-MOD SFT, PLTY, SCAT
BLKY-SUB ANG, YEL-GRN
FLUOR THRU OUT, SLOW
MLKY BLU-WHT CUT, FNT THN
YEL RESID RING

LS: BCM LT TAN-TAN, SME OFF
WHT-CRME, TR BRI WHT, MOD
SFT-SFT, SME MOD FRM, OCC
V/SFT, BLKY-SUB ANG, SCAT
PLTY, SME HL FRAC POR, W/
CHRT: LT GRY-OPQ, SCAT
TRNSL-CLR, OCC CRME, MOD
FRM, PLTY-FLKY, SME BLKY,
YEL-LT GRN FLUOR SCAT
THRU OUT, MLKY WHT FLASH
CUT, FR YEL-GRN RESID RING

LS: PRED LT TAN-TAN, SCAT
OFF WHT-CRME, TR MOTT,
MOD SFT-SFT, SME BRTLE, TR
MOD FRM, SUB ANG-ANG, OCC
PLTY, TR BLKY-CHNKY, SCAT
HL FRAC POR, W/ CHRT: OFF
WHT-CRME, SME OPQ-TRNSL,
MOD FRM-MOD SFT, TR
FRM-V/FRM, SCAT GRN-YEL
FLUOR THRU OUT, MLKY WHT
FLASH CUT, FNT LT YEL RESID
RING

LS: LT TAN-TAN, SME MED
TAN, OCC OFF WHT-CRME,
MOD SFT, SME V/SFT, OCC
MOD FRM, PLTY-FLKY, SCAT
SUB ANG, TR BLKY, SME HL
FRAC POR, W/ CHRT: OFF
WHT-OPQ, SME TRNSL-CLR,
MOD FRM-FRM, OCC MOD
SET BRTLE, TR V/FRM, SCAT



FG 62 U.

DALRYMPLE FARMS 3506 1-13h

DTG 258 U.

FG 794 U.

FG 306 U.

FG 142 U.

MD 8152 TVD 4713.32
INC 91.5 AZ 359.2
V SEC 3771.36

MD 8184 TVD 4713.38
INC 88.3 AZ 358.3
V SEC 3803.34

WOB- 25.7
RPM- 54
PP- 1905
SPM- 71
GPM- 18

MD 8216 TVD 4714.49
INC 87.7 AZ 358.8
V SEC 3835.31

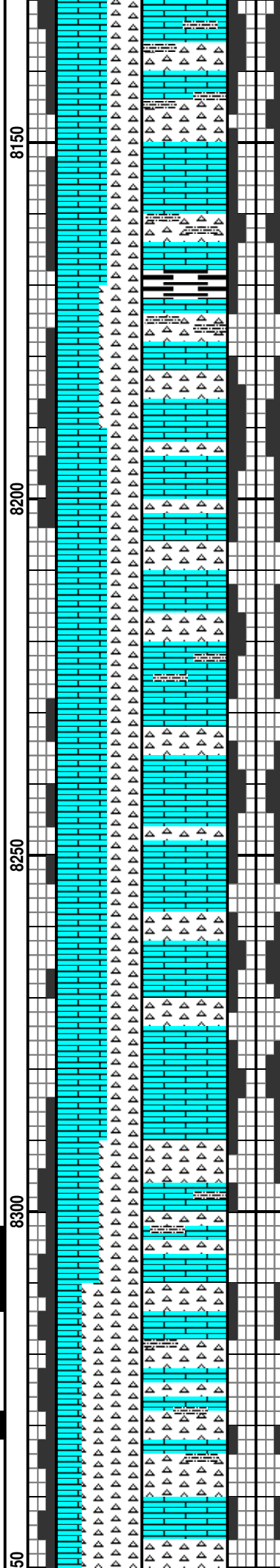
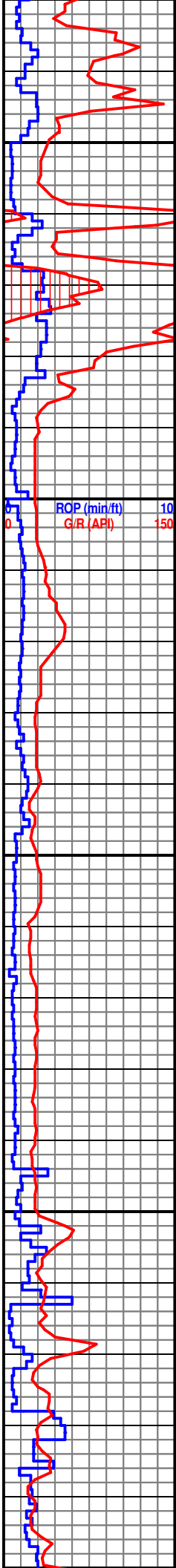
MW- 8.4
VIS- 26

MD 8248 TVD 4715.05
INC 90.3 AZ 358.9
VS 3867.29'

MD 8279 TVD 4714.56
INC 91.5 AZ 359.2
VS 3898.27'

MD 8311 TVD 4714.06
INC 90.3 AZ 359.8
VS 3930.24'

MD 8343 TVD 4714.56
INC 87.9 AZ 1.3
VS 3962.18'



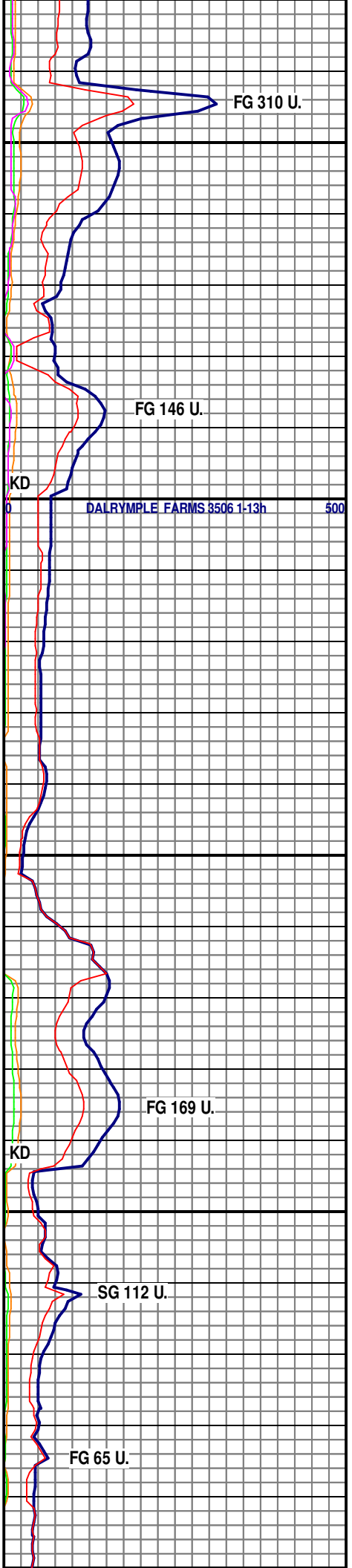
SFT-BRTLE, TR V/FRM, SCAT
YEL-GRN FLUOR, BRI MLKY
BLU-WHT FLASH CUT, YEL-LT
GRN RESD RING

LS: ABUNDT LT TAN-TAN, SME
MED TAN, OCC BUFF, SCAT
OFF WHT-CRME, MOD
FRM-FRM, SME MOD SFT, OCC
V/SFT, BLKY-CHNKY, SCAT
SUB ANG, TR PP VUG POR, W/
CHRT: PRED TRNSL-CLR, SME
OPQ-OFF WHT, V/FRM-FRM,
SME MOD FRM-MOD SFT,
BLKY-CHNKY, SCAT SUB ANG,
TR PLTY, TR YEL-GRN FLUOR
THRU OUT, SLOW MLKY WHT
CUT, BRI YEL-GRN RESD RING

LS: LT TAN-TAN, SME MED
TAN, OCC OFF WHT-CRME,
MOD FRM-MOD SFT, TR BRTLE,
SUB ANG-BLKY, SCAT CHNKY,
TR PLTY, SME HL FRAC POR,
W/ CHRT: TRNSL-CLR, OFF
WHT-OPQ, SUB ANG-ANG,
SCAT BLKY, YEL-GRN FLUOR
SCAT THRU OUT, MLKY WHT
FLASH CUT, BRI YEL-GRN
RESD RING

LS: LT TAN-TAN, SME OFF
WHT-CRME, MOD FRM-FRM,
SCAT MOD SFT-SFT, OCC
BRTLE, SUB ANG-ANG, SME
BLKY, TR PLTY, SCAT HL FRAC
POR, W/ CHRT: TRNSL-OPQ,
SME WHT-CLR, MOD FRM,
PLTY-FLKY, SCAT BLKY, YEL-
LT GRN FLUOR, MLKY
WHT-BLU FLASH CUT, BRI YEL
RESD RING

CHRT: MSTLY WHT-OPQ, SME
OFF WHT, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
LS: WHT-OFF WHT, ANG TO
SUB ANG, SME HL FRAC POR,
SME PP VUG POR, OCC YEL
FLOR, WHT MLKY FLASH CUT,
LT WHT-BLU RES RING



WOB- 27.3
RPM- 58
PP- 1989
SPM- 72
GPM- 19

MD 8407 TVD 4717.47
INC 86.9 AZ 1.1
VS 4025.96'

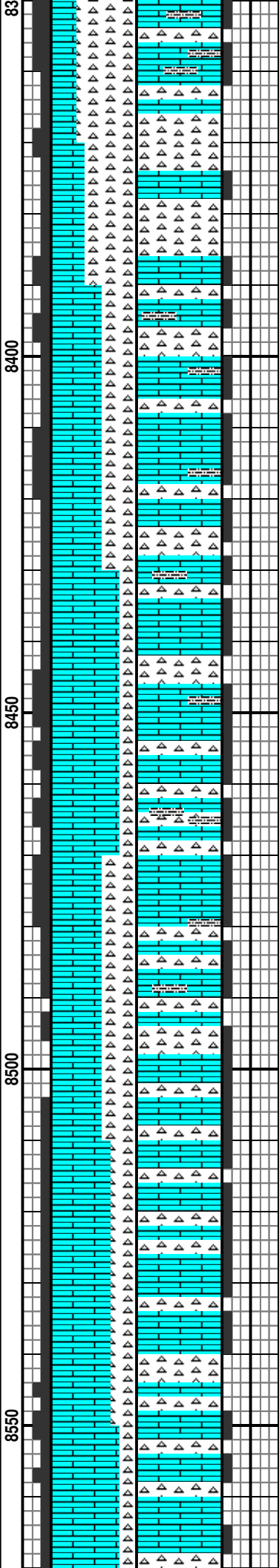
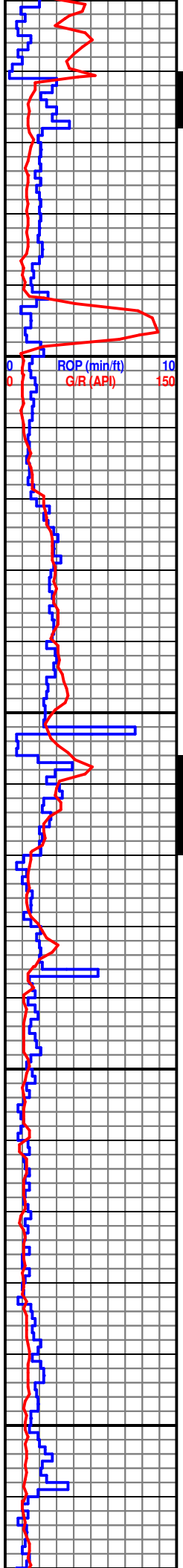
MD 8438 TVD 4718.77
INC 88.3 AZ 1.4
VS 4056.86'

MD 8470 TVD 4719.74
INC 88.2 AZ 0.6
VS 4088.78'

MD 8501 TVD 4720.88
INC 87.6 AZ 0.3
VS 4119.71'

MD 8533 TVD 4721.52
INC 90.1 AZ 0.8
V SEC 4151.65

MD 8565 TVD 4721.19
INC 91.1 AZ 0



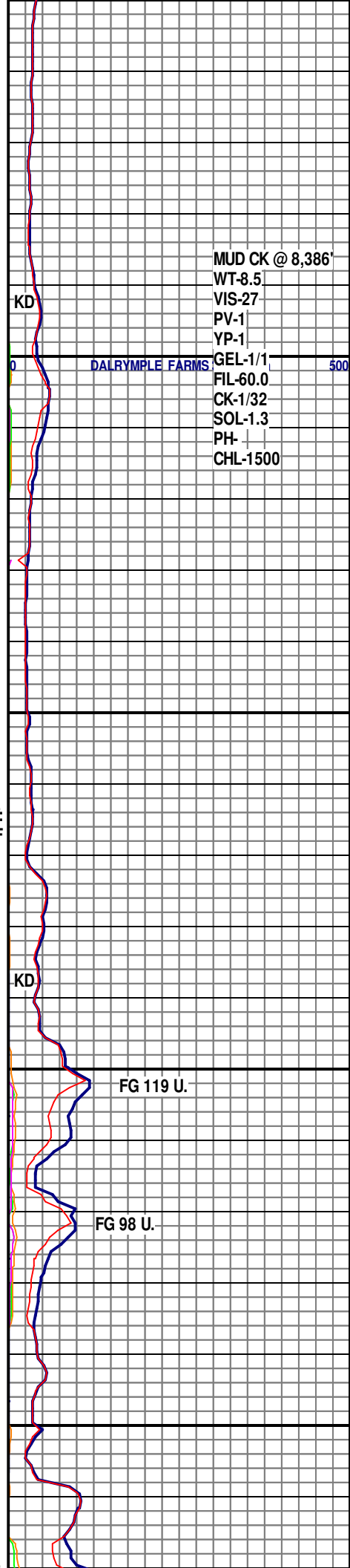
CHRT: PRED TRNSL-OPQ, SME OFF WHT-WHT, OCC CLR, MOD FRM-V/FRM, SCAT HRD, TR BRTLE, SUB ANG-BLKY, SME PLTY, W/ LS: OFF WHT-CRME, SCAT LT TAN-TAN, MOD FRM, SUB ANG-ANG, PR TR YEL-GRN FLUOR, NO CUT, NO RES RING

LS: ABUN WHT, ANG TO SUB ANG, SME HL FRAC POR, SME PP VUG POR, CHRT: ABUN WHT, SME OFF WHT-OPQ, BRTLE-HRD, PRED ANG-SUB ANG, PRED PLTY, SME PP VUG POR, OCC YEL FLOR, NO CUT, NO RES RING

LS: WHT, SME OFF WHT, ANG TO SUB ANG, SME HL FRAC POR, SME PP VUG POR, CHRT: MSTLY TRANS - WHT, SME OFF WHT-OPQ, BRTLE-HRD, PRED ANG-SUB ANG, PRED PLTY, SME PP VUG POR, OCC YEL FLOR, NO CUT, NO RES RING

LS: PRED OFF WHT-WHT, ANG, SME HL FRAC POR, SME PP VUG POR, CHRT: PRED TRANS, SME OFF WHT, BRTLE-HRD, PRED ANG-SUB ANG, PRED PLTY, OCC YEL FLOR, NO CUT, NO RES RING

LS: MSTLY OFF WHT, SME WHT, SUB ANG, SME HL FRAC POR, SME PP VUG POR, CHRT: PRED TRANS, SME OFF WHT, BRTLE-HRD, PRED ANG-SUB ANG, PRED PLTY, OCC YEL FLOR, NO CUT, NO RES RING



V SEC 4183.59

MD 8596 TVD 4720.91
INC 89.9 AZ 0
V SEC 4214.56

WOB- 28.4
RPM- 48
PP- 1829
SPM- 66
GPM- 18

MW- 8.4
VIS- 26

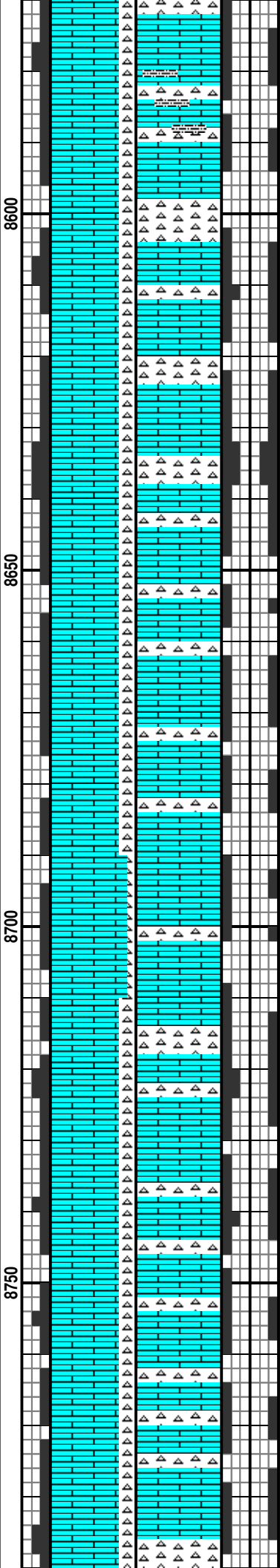
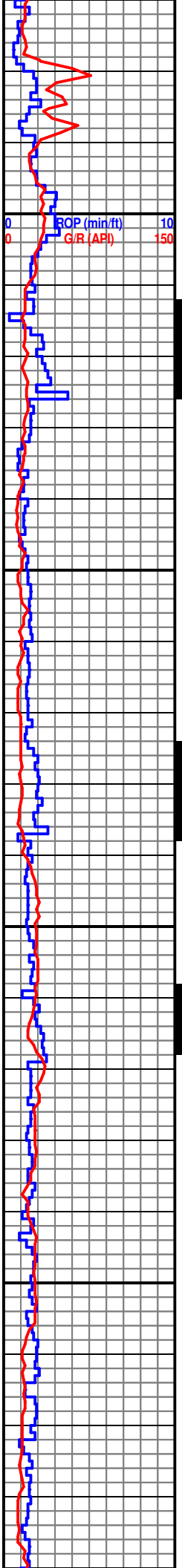
MD 8628 TVD 4721.75
INC 87.1 AZ 359.9
V SEC 4246.51

MD 8659 TVD 4723.16
INC 87.7 AZ 359.4
V SEC 4277.45

MD 8691 TVD 4724.39
INC 87.9 AZ 358.3
V SEC 4309.41

MD 8723 TVD 4724.95
INC 90.1 AZ 356.8
V SEC 4341.4

01/31/2012



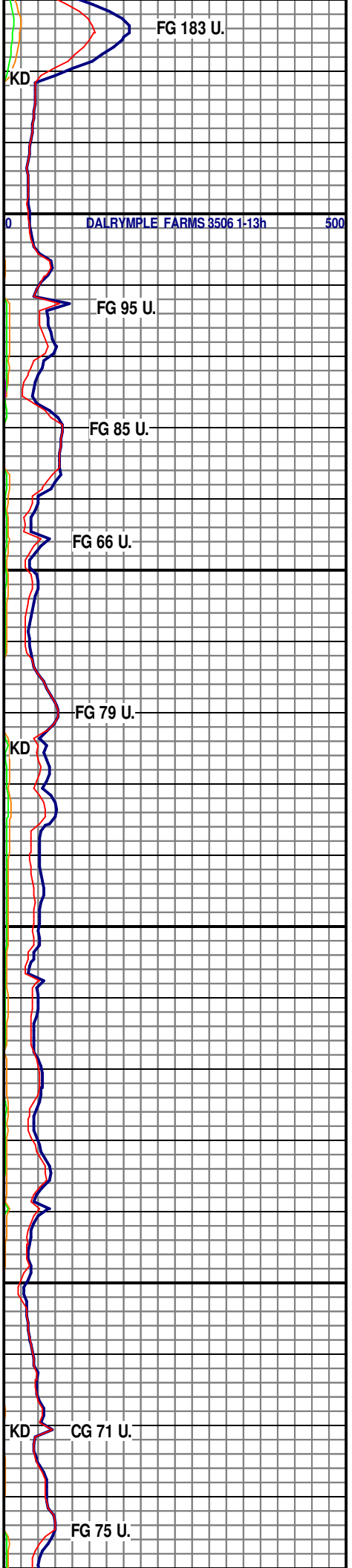
POR, SME PP VUG POR, CHRT:
TRANS - WHT, SME OFF
WHT-OPQ, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
SME PP VUG POR, NO CUT,
NO RES RNG

LS: OFF WHT-WHT, SCAT LT
TAN-TAN, OCC CRME, MOD
FRM-MOD SFT, SCAT V/SFT,
SUB ANG-ANG, SME HL FRAC
POR, W/ CHRT: OFF WHT-OPQ,
SCAT TRNSL-CLR, MOD
FRM-FRM, SCAT BRTLE, OCC
V/FRM, SUB ANG-BLKY, SCAT
PLTY, TR YEL-GRN FLUOR,
MLKY WHT-BLU FLASH CUT,
YEL-GRN RESD RING

LS: OFF WHT-CRME, SCAT LT
TAN, TR BRI WHT-WHT, MOD
FRM, SCAT MOD SFT-SFT, SUB
ANG-BLKY, OCC PLTY, TR PP
VUG POR, W/ CHRT:
OPQ-TRNSL, SME OFF
WHT-CRME, OCC LT GRY,
FRM-V/FRM, SCAT BRTLE, TR
HRD, PLTY-FLKY, OCC SUB
ANG, SCAT YEL FLUOR THRU
OUT, SLOW MLKY WHT CUT,
YEL-GRN RESD RING

LS: OFF WHT-WHT, SME LT
TAN-CRME, OCC BRI WHT,
MOD FRM-MOD SFT, SCAT
FRM, TR V/SFT, SUB ANG-ANG,
SCAT BLKY, SME HL FRAC
POR, SCAT VUG POR, W/
CHRT: PRED TRNSL-CLR, SCAT
OPQ-LT GRY, OCC MOTT, MOD
FRM-FRM, SME V/FRM, TR MOD
SFT, SUB ANG-BLKY, SCAT
PLTY, DULL YEL-GRN FLUOR,
SLOW MLKY WHT CUT, LT
YEL-WHT RESD RING

LS: ABUNDT OFF WHT-WHT,
SCAT LT TAN-CRME, MOD
FRM-FRM, SME MOD SFT,
BLKY-CHNKY, SCAT SUB ANG,
HL FRAC POR, W/ CHRT: OFF
WHT-OPQ, SCAT TRNSL-CLR,
OCC LT TAN, FRM-V/FRM, SME
MOD FRM-MOD SFT,
PLTY-FLKY, OCC SUB ANG,
SCAT YEL-GRN FLUOR, SLOW
MLKY WHT CUT, FNT YEL-GRN
RESD RING



FG 183 U.

DALRYMPLE FARMS 3506 1-13h

FG 95 U.

FG 85 U.

FG 66 U.

FG 79 U.

CG 71 U.

FG 75 U.

WOB- 28.9
RPM- 57
PP- 1838
SPM- 70
GPM- 19

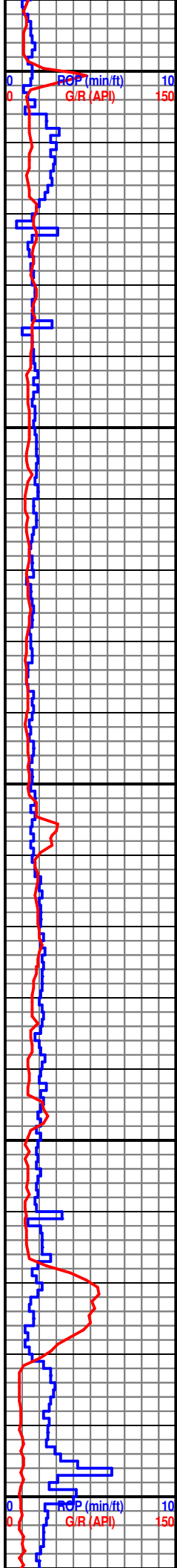
MW- 8.5
VIS- 27

MD 8818 TVD 4725.19
INC 89.6 AZ 356.3
VSEC 4436.39

MD 8913 TVD 4725.19
INC 90.4 AZ 355.8
VS 4531.37'

WOB- 40.3
RPM- 0
PP- 1780
SPM- 69
GPM- 18

MD 9008 TVD 4725.03



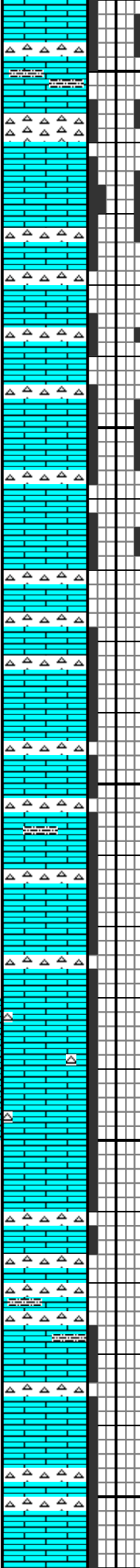
8800

8850

8900

8950

9000



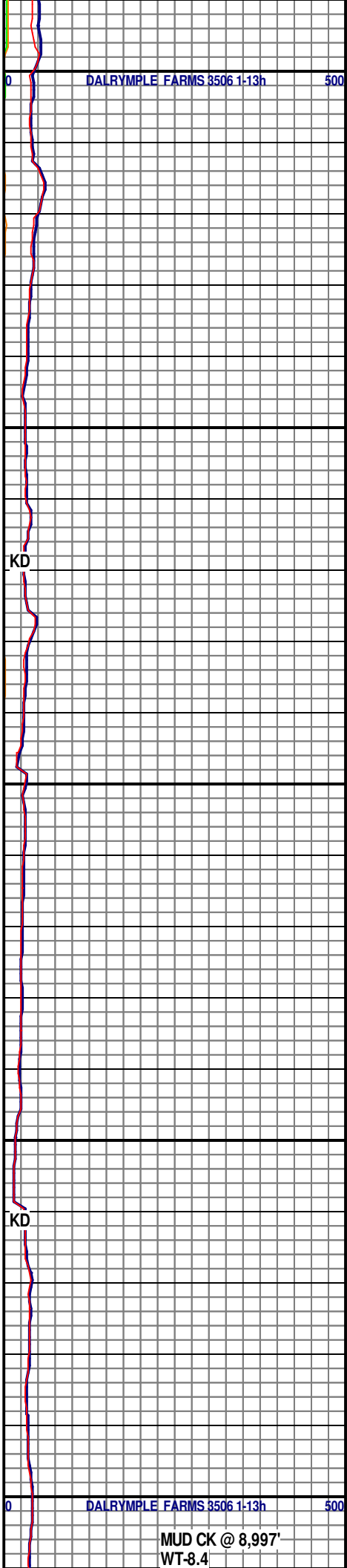
RESD RING

LS: MSTLY OFF WHT-CRME,
SCAT LT TAN-TAN, OCC
WHT-BRI WHT, MOD FRM-MOD
SFT, SME BRTLE, BLKY-SUB
ANG, SCAT PLTY, SME HL
FRAC POR, TR PP VUG POR,
W/ CHRT: OPQ-CRME, SME
TRNSL-CLR, TR LT TAN,
FRM-V/FRM, SCAT MOD
FRM-MOD SFT, TR HRD, PRED
PLTY, SME SUB ANG-BLKY, TR
YEL FLUOR, SLOW MLKY
WHT-BLU CUT, DULL YEL
RESD RING

LS: OFF WHT-WHT, SME LT
TAN-CRME, TR BRI WHT, MOD
FRM, SCAT SFT-MOD SFT, SUB
ANG-ANG, SCAT BLKY, HL
FRAC POR, W/ CHRT: OFF
WHT-OPQ, SCAT TRNSL-CLR,
MOD FRM-FRM, SCAT
V/FRM-HRD, TR BRTLE,
PLTY-FLKY, TR BLKY, PR
YEL-GRN FLUOR THRU OUT,
SLOW MLKY WHT CUT, YEL-LT
GRN RESD RING

LS: MSTLY OFF WHT, SME
WHT,SUB ANG, SME HL FRAC
POR, SME PP VUG POR, CHRT:
TRANS - WHT, SME OFF
WHT-OPQ, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
SME PP VUG POR, NO CUT,
NO RES RNG

LS: ABUN WHT, ANG TO SUB
ANG, SME HL FRAC POR, SME
PP VUG POR, CHRT: ABUN
WHT, SME OFF WHT-OPQ,
BRTLE-HRD, PRED ANG-SUB
ANG, PRED PLTY, SME PP
VUG POR, OCC YEL FLOR, NO
CUT, NO RES RNG



DALRYMPLE FARMS 3506 1-13h

500

KD

KD

DALRYMPLE FARMS 3506 1-13h

500

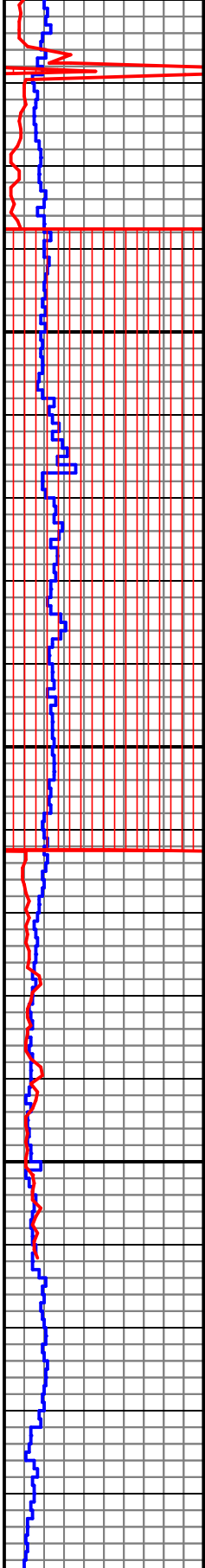
MUD CK @ 8,997'
WT-8.4

MD 9000 TVD 4723.62
INC 89.8 AZ 356.7
VS 4626.36'

**GAMMA
TOOL
FAILURE**

MD 9103 TVD 4723.62
INC 91.9 AZ 357.7
V SEC 4721.34

MD 9199 TVD 4720.44
INC 91.9 AZ 357.7
V SEC 4817.28



9050
9100
9150
9200



LS: PRED WHT, SME OFF WHT,
ANG TO SUB ANG, SME HL
FRAC POR, SME PP VUG POR,
CHRT: MSTLY TRANS - WHT,
SME OFF WHT-OPQ,
BRTLE-HRD, PRED ANG-SUB
ANG, PRED PLTY, SME PP
VUG POR, OCC YEL FLOR, NO
CUT, NO RES RNG

LS: OFF WHT - WHT,SUB
ANG, SME HL FRAC POR, SME
PP VUG POR, CHRT: TRANS -
WHT, SME OFF WHT-OPQ,
BRTLE-HRD, PRED ANG-SUB
ANG, PRED PLTY, SME PP
VUG POR, NO CUT, NO RES
RNG

LS: MSTLY OFF WHT, SME
WHT,SUB ANG, SME HL FRAC
POR, SME PP VUG POR, CHRT:
TRANS - WHT, SME OFF
WHT-OPQ, BRTLE-HRD, PRED
ANG-SUB ANG, PRED PLTY,
SME PP VUG POR, NO CUT,
NO RES RNG

LS: OFF WHT-CRME, SCAT
WHT-BRI WHT, TR LT TAN, MOD
FRM-MOD SFT, OCC FRM, SUB
ANG-ANG, OCC PLTY, HL FRAC
POR, TR PP VUG POR, W/
CHRT: OPQ-LT TAN, SME
TRNSL-CLR, OCC OFF WHT,
FRM-V/FRM, SCAT BRTLE,
PLTY-FLKY, SME BLKY-SUB
ANG, SCAT DULL YEL-GRN
FLUOR, NO VIS CUT, NO RESD
RING

**DRILLER'S TD @
9,199' ON 01/31/2013**

**SANDRIDGE ENERGY
INC.**

**Dalrymple Farms
3506 1-13H
SEC. 13-T35S-R6W
Harper CO. KS**

VIS-27
PV-1
YP-1
GEL-1/1
FIL-60.0
CK-1/32
SOL-5
PH- 9.5
CHL-1500

KD

KD

DALRYMPLE FARMS 3506 1-13h

500

GL: 1,220' KB: 1,240'

**STARTED LOGGING
ON 01/14/2013**