OPERATOR: **BILL BARRETT CORP.**

WELL NAME: GGU FEDERAL 31B-29-691
FIELD NAME: MAMM CREEK
DRILLING RIG: PATTERSON 307
API #: 05-045-19804

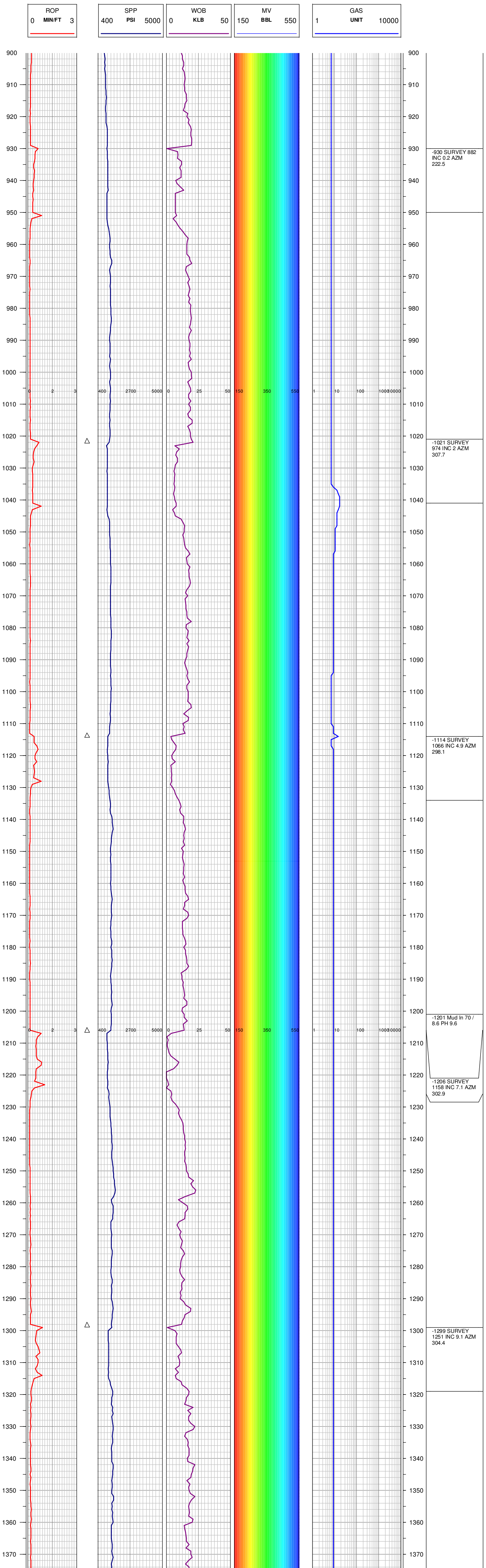
SCALE: 5" = 100'
LOCATION: NENE-29-6S-91 W
SURFACE HOLE: NENE 1209 FNL 1371 FEL
BOTTOM HOLE: NWNE 819 FNL 1990 FEL

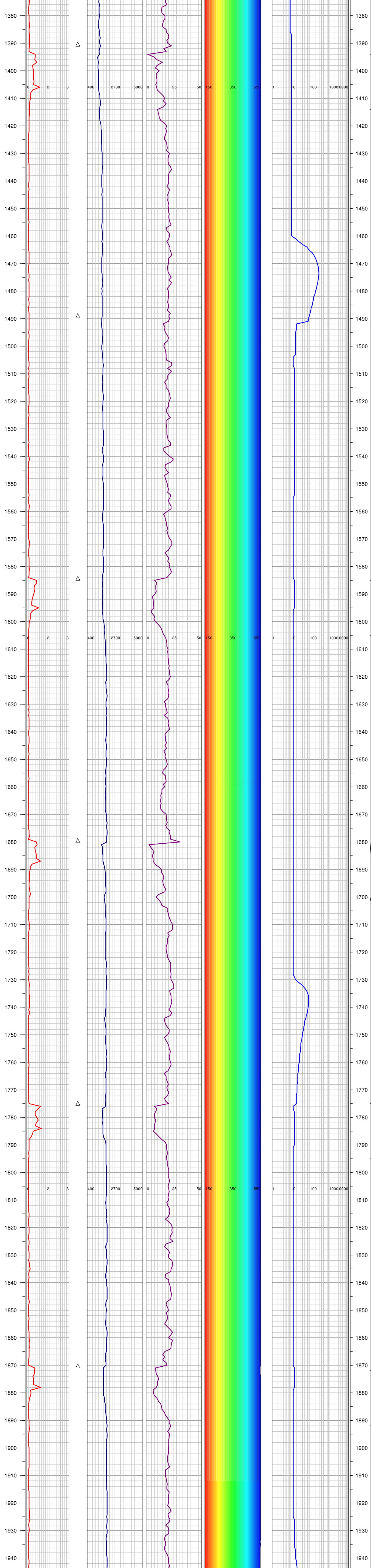
FieldGeo
SERVICES
Grand Junction, CO 81501
Office (970) 270-4940

GGU FEDERAL 31B-29-691

COUNTY: GARFIELD
STATE: COLORADO
GROUND ELEVATION: 6104'
KELLY BUSHING: 6127'
DRILLING FLUID: LSND
TVD VS. MD = 72'

SPUD DATE: 3/15/2011
FGS BEGIN LOGGING: 3/15/2011
TD DATE: 3/18/2011
DATES LOGGED: 3/15/2011 - 3/18/2011
DEPTHS LOGGED: 900' - 7454'
LOGGER: SCOTT FIELD





-1394 SURVEY
1346 INC 11 AZM
302.1

-1492 SURVEY
1441 INC 12.5
AZM 299.5

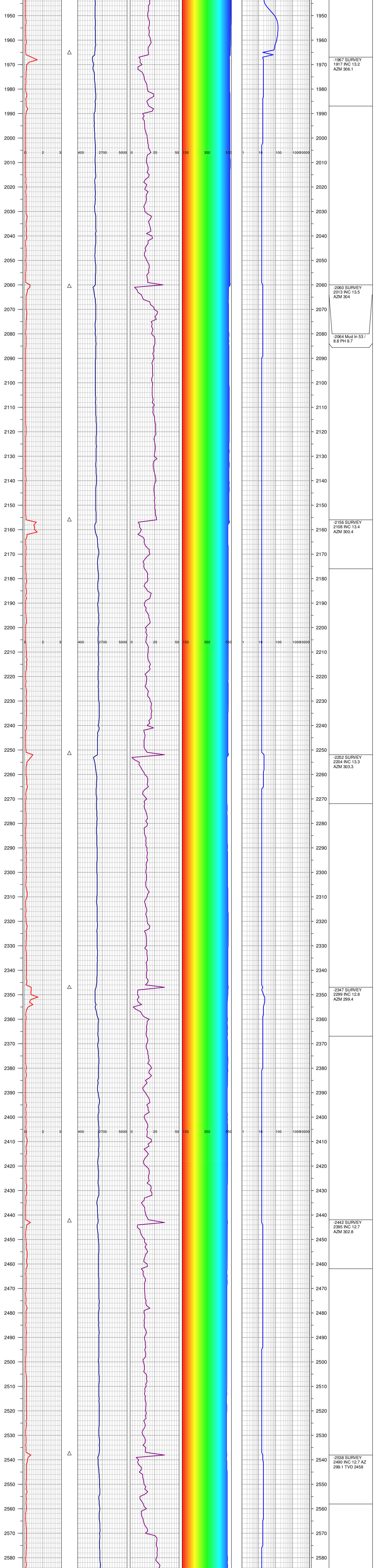
-1585 SURVEY
1537 INC 13.3
AZM 301.4

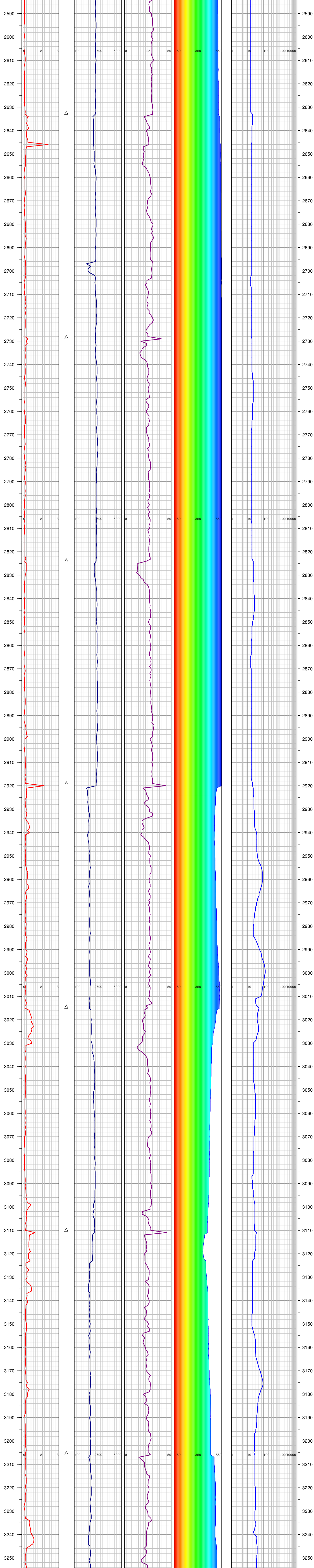
-1680 Mud In 75 /
8.6 PH 9.5

-1680 SURVEY
1632 INC 13.1
AZM 292.5

-1775 SURVEY
1774 INC 12 AZN
295.9

-1872 SURVEY
1823 INC 12.2
AZM 302.7





-2634 SURVEY
2585 INC 12.5 AZ
296.2

-2645 Mud In 44 /
9.2 PH 9.3 Out 43
/ 9.4 PH 9.1

-2728 SURVEY
2681 INC 12.5 AZ
302.3 TVD 2644

-2826 Mud In 52 /
9.3 PH 9.4 Out 42
/ 9.4

-2826 SURVEY
2776 INC 12.8 INC
299

-2919 SURVEY
2871 INC 12 AZ
299.2

-3017 SURVEY
2967 INC 11.8 AZ
303.4

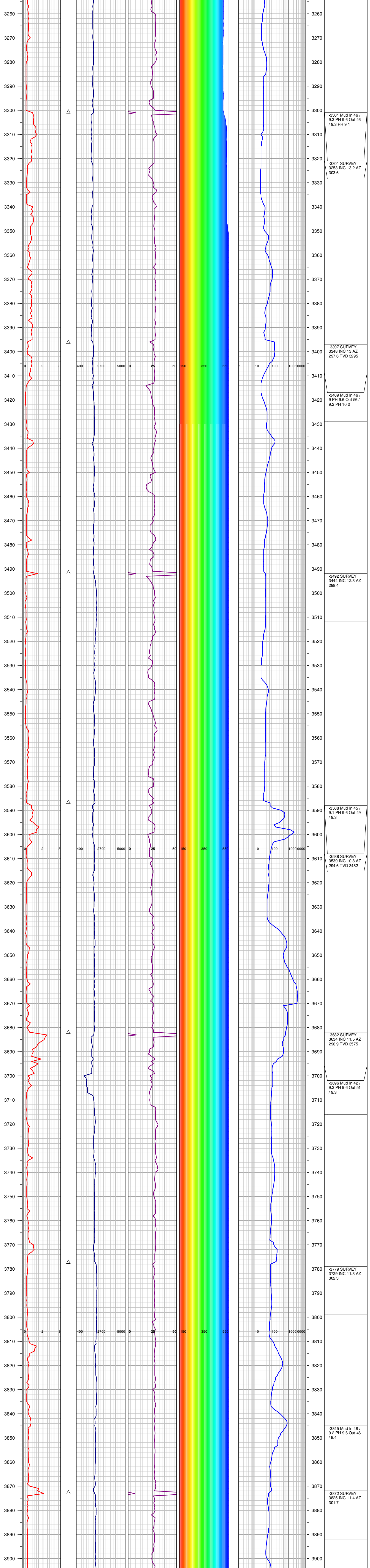
-3029 Mud In 55 /
9.3 PH 9.1 Out 51
/ 9.3 PH 9.2

-3048 Mud In 48 /
9.3 PH 9.3 Out 44
/ 9.4 PH 9.2

-3110 SURVEY
3062 INC 12.7 AZ
306.9

-3207 Mud In 55 /
9.3 PH 9.1 Out 51
/ 9.3 PH 9.2

-3207 SURVEY
3158 INC 13.6 AZ
301.9



-3301 Mud In 46 / 9.3 PH 9.6 Out 46 / 9.3 PH 9.1

-3301 SURVEY 3253 INC 13.2 AZ 303.6

-3397 SURVEY 3348 INC 13 AZ 297.6 TVD 3295

-3409 Mud In 46 / 9 PH 9.6 Out 56 / 9.2 PH 10.2

-3492 SURVEY 3444 INC 12.3 AZ 298.4

-3588 Mud In 45 / 9.1 PH 9.6 Out 49 / 9.3

-3588 SURVEY 3539 INC 10.8 AZ 294.6 TVD 3482

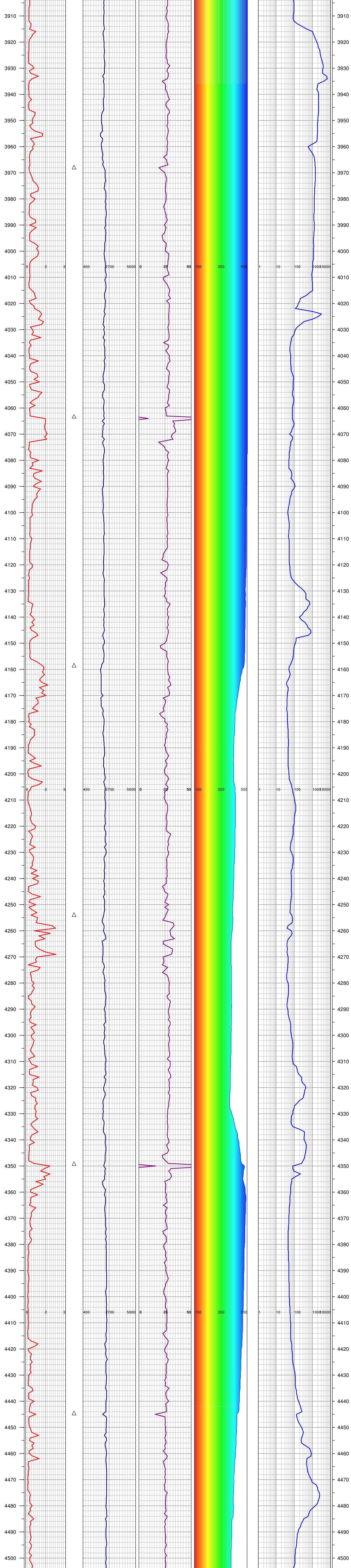
-3682 SURVEY 3634 INC 11.5 AZ 296.9 TVD 3575

-3696 Mud In 42 / 9.2 PH 9.6 Out 51 / 9.3

-3779 SURVEY 3729 INC 11.3 AZ 302.3

-3845 Mud In 48 / 9.2 PH 9.6 Out 46 / 9.4

-3872 SURVEY 3825 INC 11.4 AZ 301.7



-3956 ON
BUSTER

-3969 SURVEY
3920 INC 10 AZ
299 TVD 3855

-4027 OFF
BUSTER

-4064 Mud In 47 /
9.3 PH 10.2 Out
43 / 9.3 PH 10

-4160 Mud In 45 /
9.6+ PH 8.9 Out
46 / 9.7

-4160 SURVEY
4111 INC 8 AZM
302 TVD 4044.62

-4254 Mud In 47 /
9.6+ PH 9.3 Out
46 / 9.7

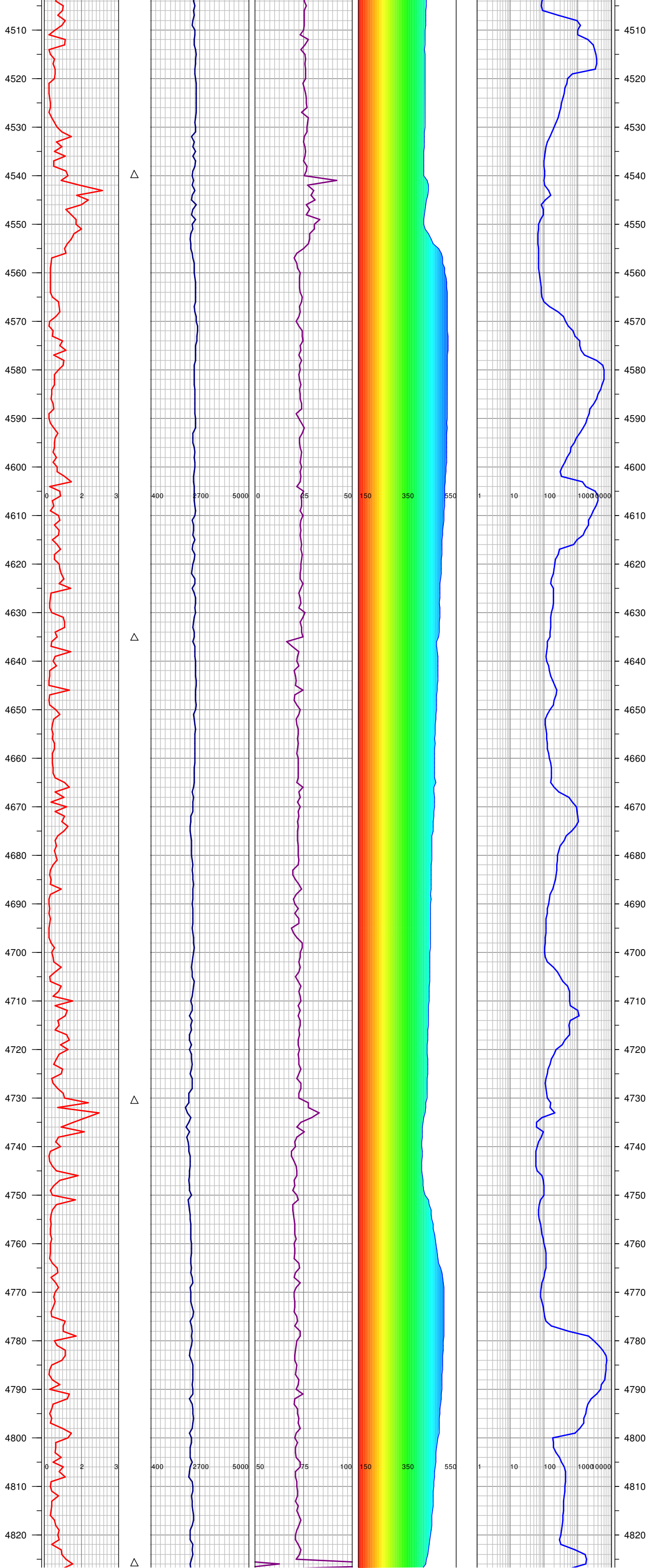
-4254 SURVEY
4206 INC 8.1 AZM
300.5 TVD
4138.69

-4328 Mud In 46 /
9.6 PH 10.1 Out
44 / 9.6+

-4349 SURVEY
4302 INC 8.5 AZM
304 TVD 4233.68

-4445 Mud In 45 /
9.6 PH 10 Out 44 /
9.6+

-4445 SURVEY
4397 INC 7.6 AZM
300.9 TVD
4327.75



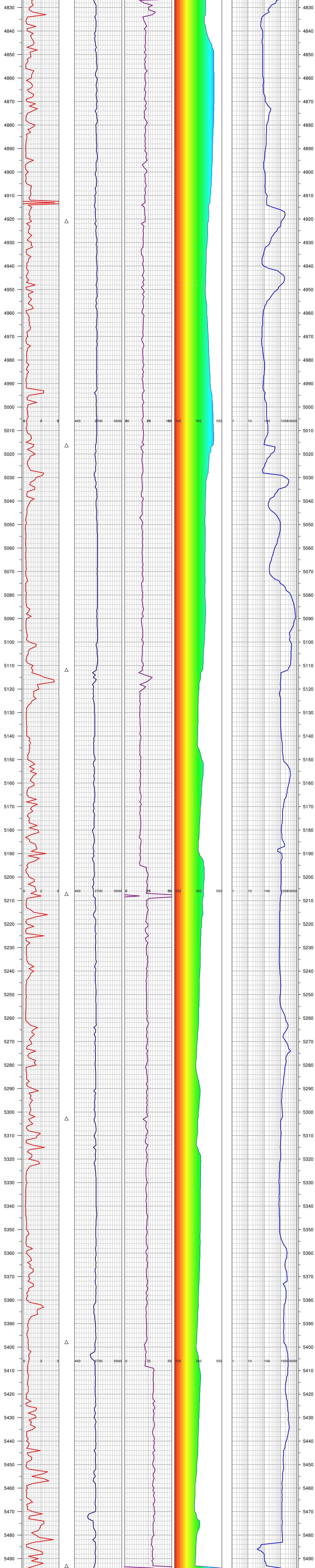
-4540 SURVEY
4492 INC 6 AZM
302.9 TVD
4422.08

-4545 Mud In 47 /
9.6 PH 9.7 Out 45
/ 9.6+

-4635 SURVEY
4587 INC 6.8 AZM
304.5 TVD
4516.48

-4637 Mud In 43 /
9.6 PH 9.5 Out 44
/ 9.6

-4731 SURVEY
4683 INC 5.1 AZM
311.1 TVD
4611.96



-4826 SURVEY
4778 INC 4.2 AZM
308.9 TVD
4706.65

-4827 Mud In 46 /
9.8 PH 9.5 Out 43
/ 9.7

-4923 Mud In 44 /
9.8+ PH 9.7 Out
42 / 9.8

-4923 SURVEY
4873 INC 3.9 AZM
303.1 TVD
4801.41

-5017 SURVEY
4969 INC 2.6 AZM
299.1 TVD
4897.26

-5112 GAS
B7USTER ON
LINE

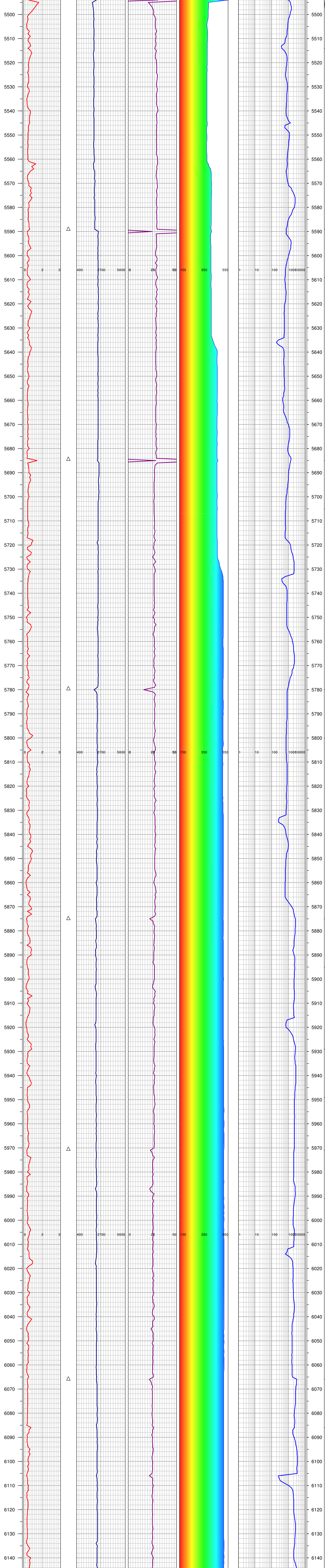
-5112 SURVEY
5064 INC 2.4 AZM
294.1 TVD
4992.17

-5208 SURVEY
5160 INC 1.7 AZM
301.3 TVD 5088.1

-5314 Mud In 45 /
9.8 PH 9.3 Out 45
/ 9.8+

-5398 SURVEY
5350 INC 0.6 AZ
273.8

-5487 Mud In 44 /
10.1 PH 9.3 Out
43 / 10.1



-5494 SURVEY
5446 INC 0.9 AZ
291.6 TVD 5374

-5589 SURVEY
5541 INC 0.6 AZM
192.3 TVD
5469.05

-5685 SURVEY
5637 INC 0.4 AZM
186.9 TVD
5565.04

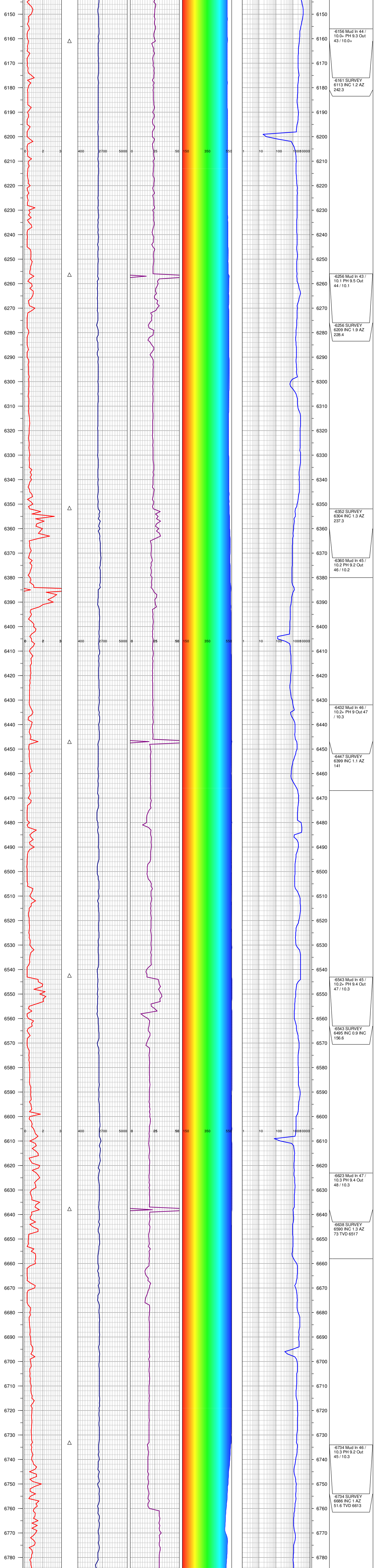
-5780 SURVEY
5732 INC 1 AZM
194.9 TVD
5660.04

-5875 SURVEY
5827 INC 1.1 AZM
119.9 TVD
5755.03

-5929 Mud In 45 /
9.9 PH 9.3 Out 46
/ 9.9+

-5971 SURVEY
5923 INC 1.1 AZ
157.9 TVD 5851

-6066 SURVEY
6018 INC 1 AZ
168.1 TVD 5945



-6156 Mud In 44 / 10.0+ PH 9.3 Out 43 / 10.0+

-6161 SURVEY 6113 INC 1.2 AZ 242.3

-6256 Mud In 43 / 10.1 PH 9.5 Out 44 / 10.1

-6256 SURVEY 6209 INC 1.9 AZ 228.4

-6352 SURVEY 6304 INC 1.3 AZ 237.3

-6360 Mud In 45 / 10.2 PH 9.2 Out 46 / 10.2

-6432 Mud In 46 / 10.2+ PH 9 Out 47 / 10.3

-6447 SURVEY 6399 INC 1.1 AZ 141

-6543 Mud In 45 / 10.2+ PH 9.4 Out 47 / 10.3

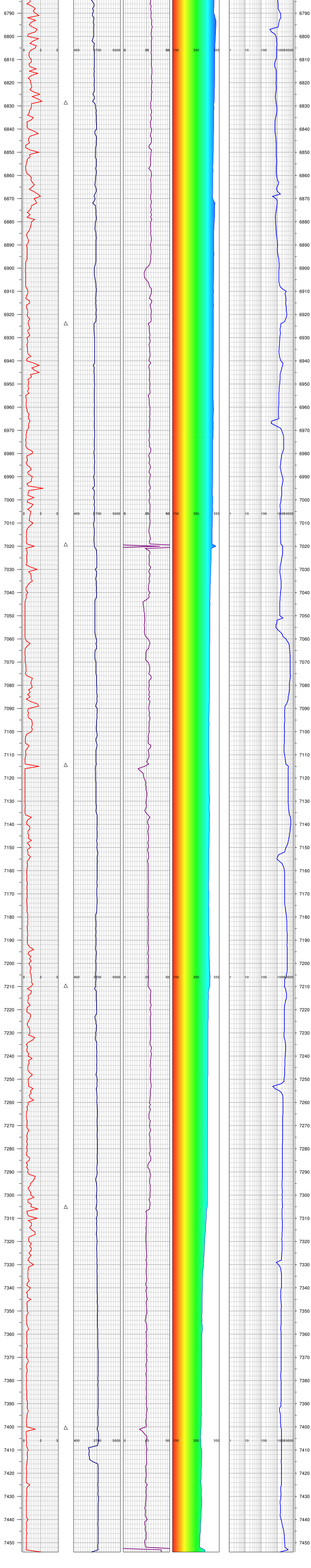
-6543 SURVEY 6495 INC 0.9 INC 156.6

-6623 Mud In 47 / 10.3 PH 9.4 Out 48 / 10.3

-6638 SURVEY 6590 INC 1.3 AZ 73 TVD 6517

-6734 Mud In 46 / 10.3 PH 9.2 Out 45 / 10.3

-6734 SURVEY 6686 INC 1 AZ 51.6 TVD 6613



-6799 Mud In 47 / 10.3+ PH 9.5 Out 47 / 10.3

-6830 SURVEY 6781 INC 0.7 AZM 27.2 TVD 6708.84

-6913 Mud In 46 / 10.4 PH 9.4 Out 46 / 10.3+

-6924 SURVEY 6876 INC 0.5 AZ 359

-7020 SURVEY 6972 INC 0.7 AZM 289.7 TVD 6899.83

-7057 Mud In 45 / 10.6 PH 9.1 Out 46 / 10.6+

-7115 SURVEY 7067 INC 1.1 AZM 294 TVD 6994.82

-7185 Mud In 43 / 10.7 PH 9.1 Out 44 / 10.7

-7210 SURVEY 7162 INC 0.9 AZM 314.7 TVD 7089.8

-7285 Mud In 48 / 10.6+ PH 9.1 Out 46 / 10.7

-7306 SURVEY 7258 INC 1 AZM 317.8 TVD 7185.79

-7401 SURVEY 7353 INC 0.7 AZM 329.6 TVD 7280.78

TOTAL DEPTH = 7454'

FGS RELEASED: 3/18/2011