OPERATOR: **WPX ENERGY**

WELL NAME: PA 43-21
FIELD NAME: PARACHUTE
DRILLING RIG: NABORS 573
API #: 05-045-22027

LOCATION: SEC. 21 T 6 S R 95 W
SURFACE HOLE: 2610' FNL, 1448' FWL
BOTTOM HOLE: 2615' FSL, 272' FEL
SCALE: 5" = 100'

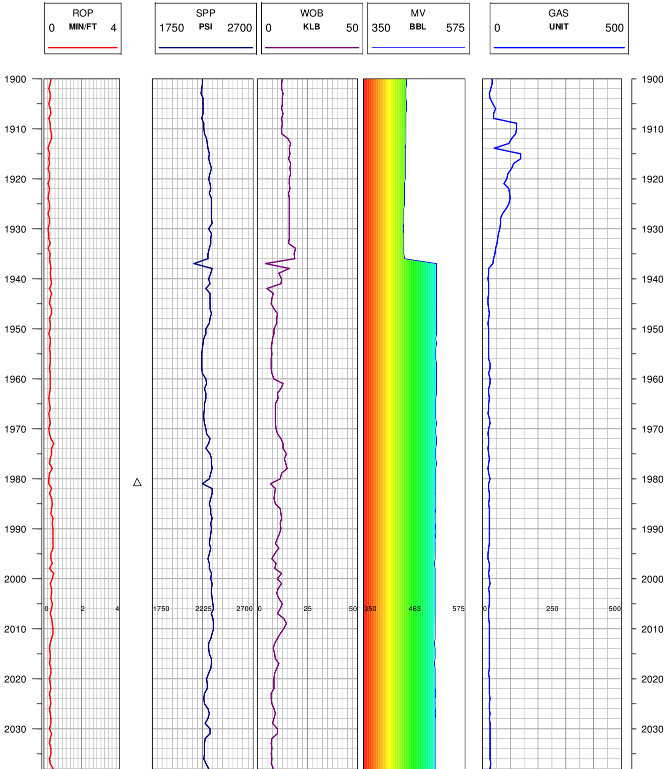
FieldGeo
SERVICES
518 28 Road, Ste. B 209
Grand Junction, CO 81501
Office (970) 270-4940

PA 43-21

COUNTY: GARFIELD
STATE: COLORADO
DRILLING FLUID: LSND
LOGGER: COLIN JOHNSON

GROUND ELEVATION: 6030'
KELLY BUSHING: 6056'
TVD VS. MD = -1051'
DEPTHS LOGGED: 1900' - 9830'

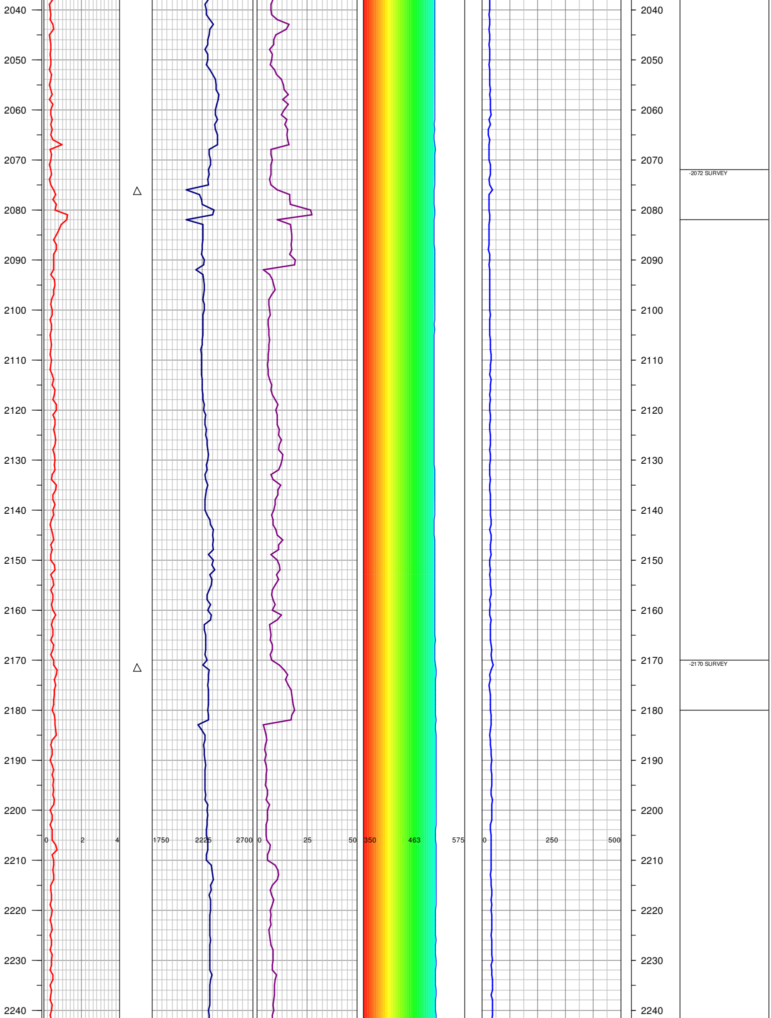
SPUD DATE: 01/14/2014
FGS BEGIN LOGGING: 01/17/2014
TD DATE: 01/24/2014
DATES LOGGED: 01/17/2014 - 01/24/2014

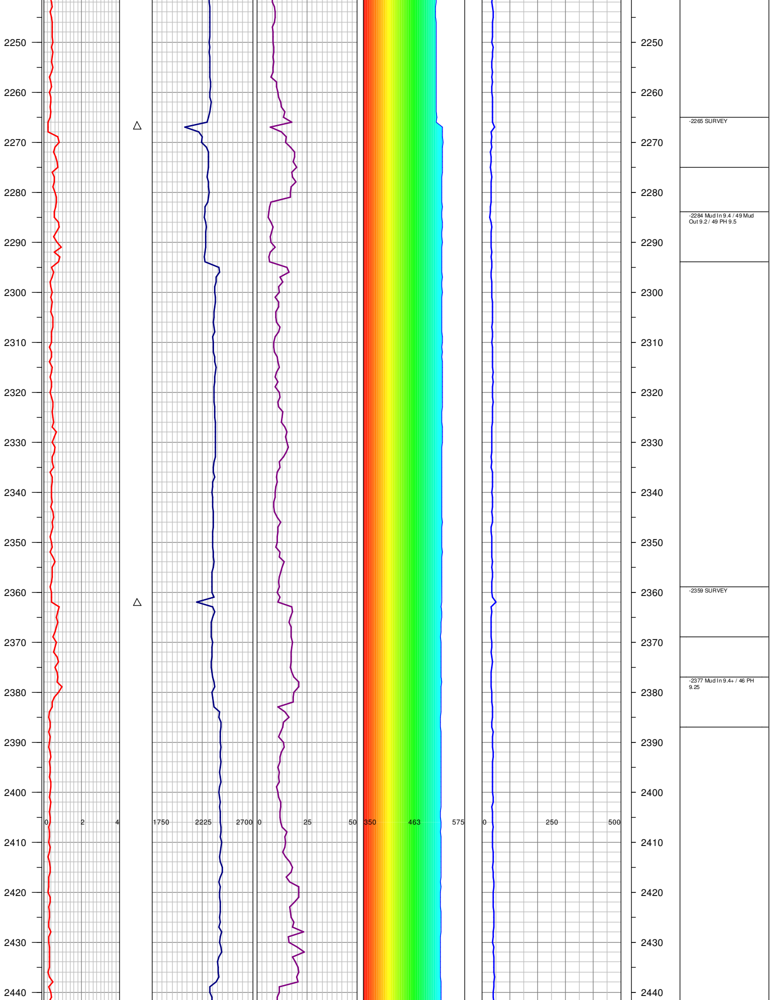


-1942 Mud In 9.2+ / 40 Mud Out 9.3 / 43 PH 10.6

-1978 SURVEY

-2007 Mud In 9.3 / 41 Mud Out 9.3 / 40 PH 10.5



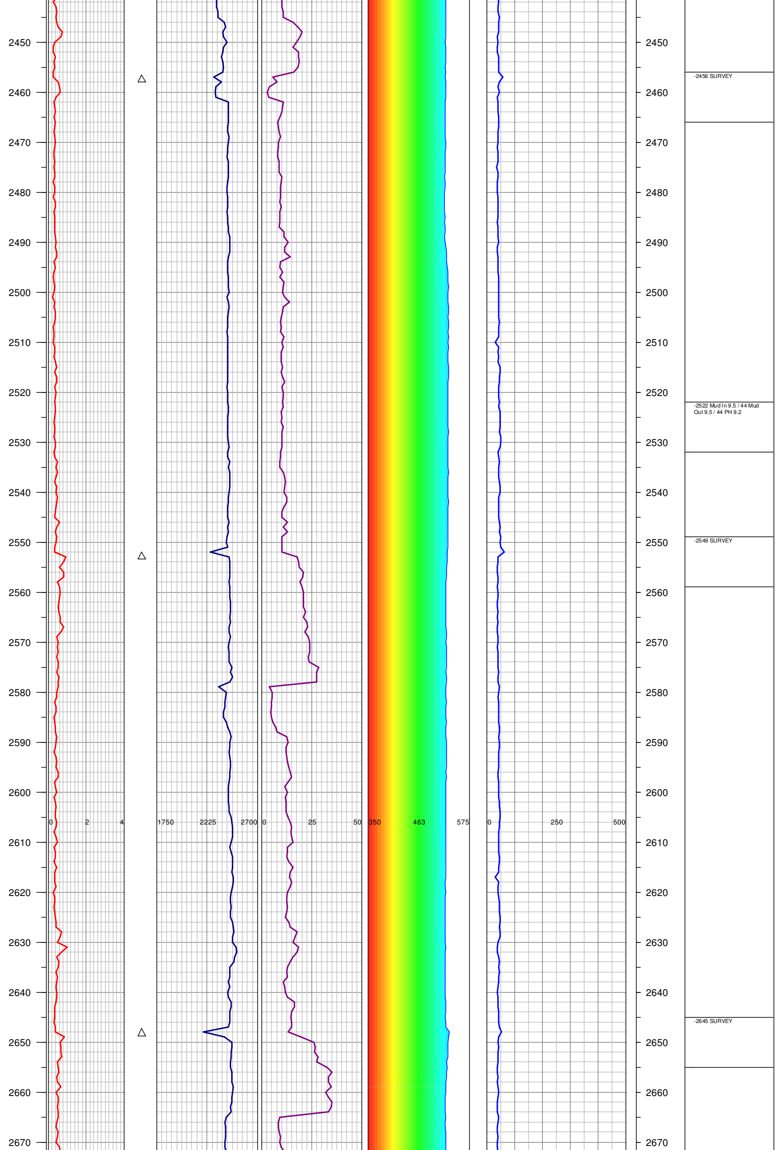


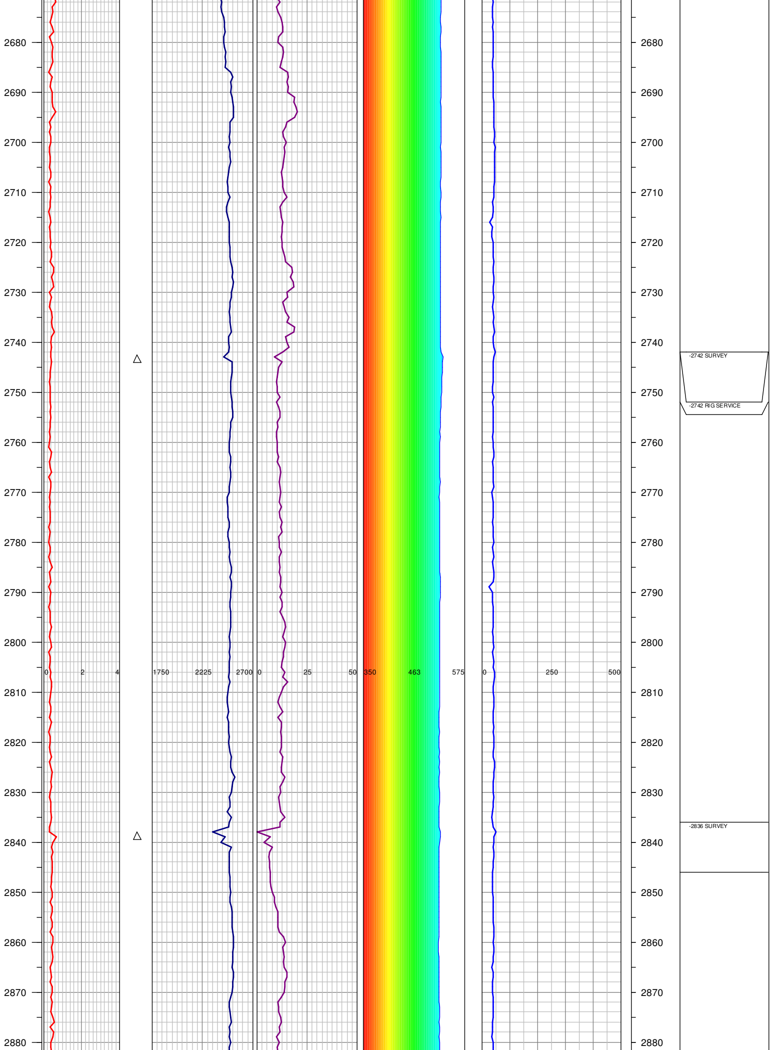
-2265 SURVEY

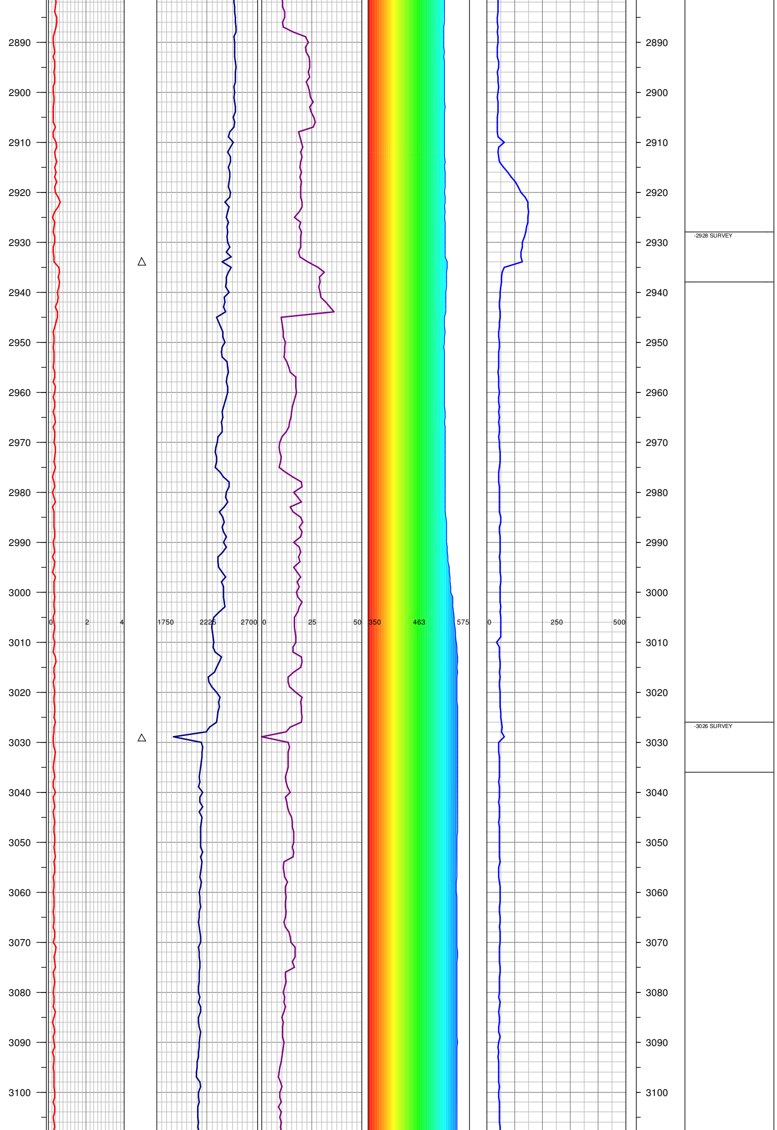
-2284 Mud In 9.4 / 49 Mud Out 9.2 / 49 PH 9.5

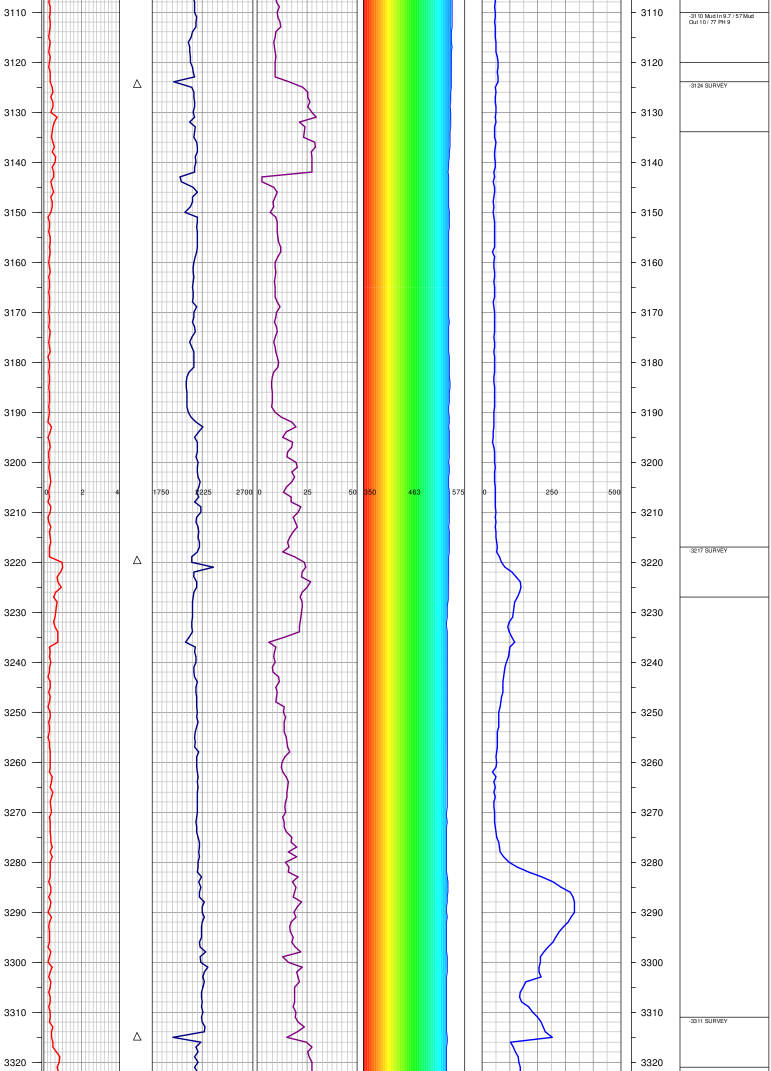
-2359 SURVEY

-2377 Mud In 9.4+ / 46 PH 9.25







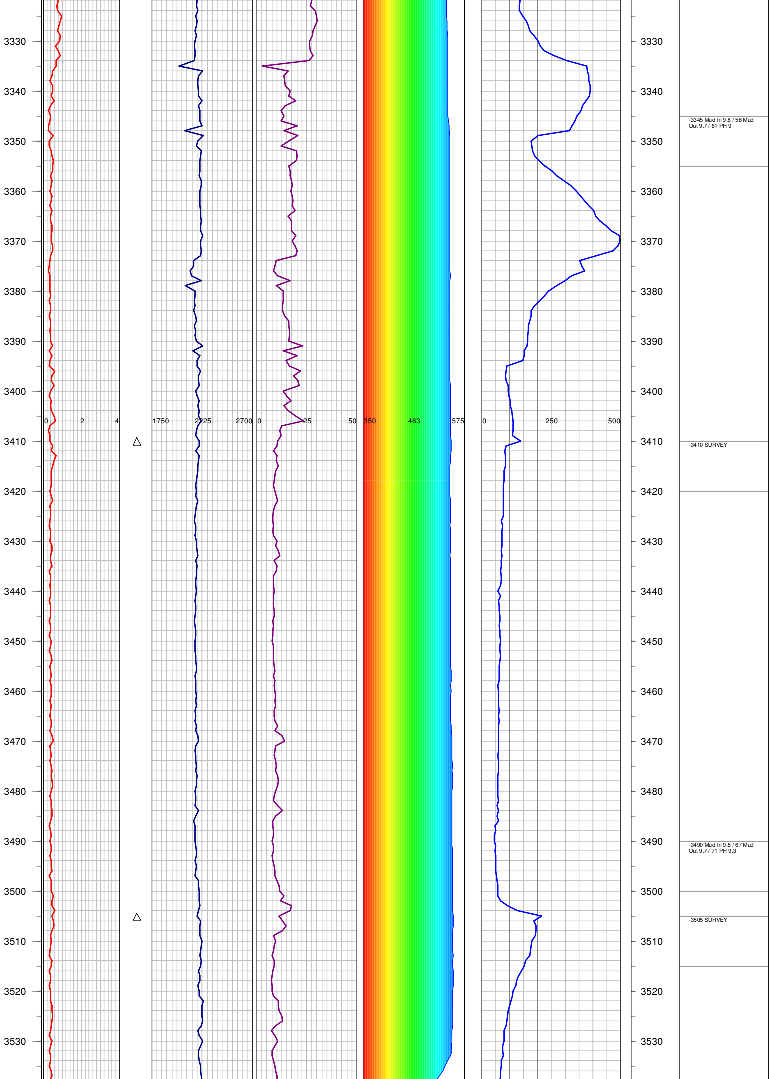


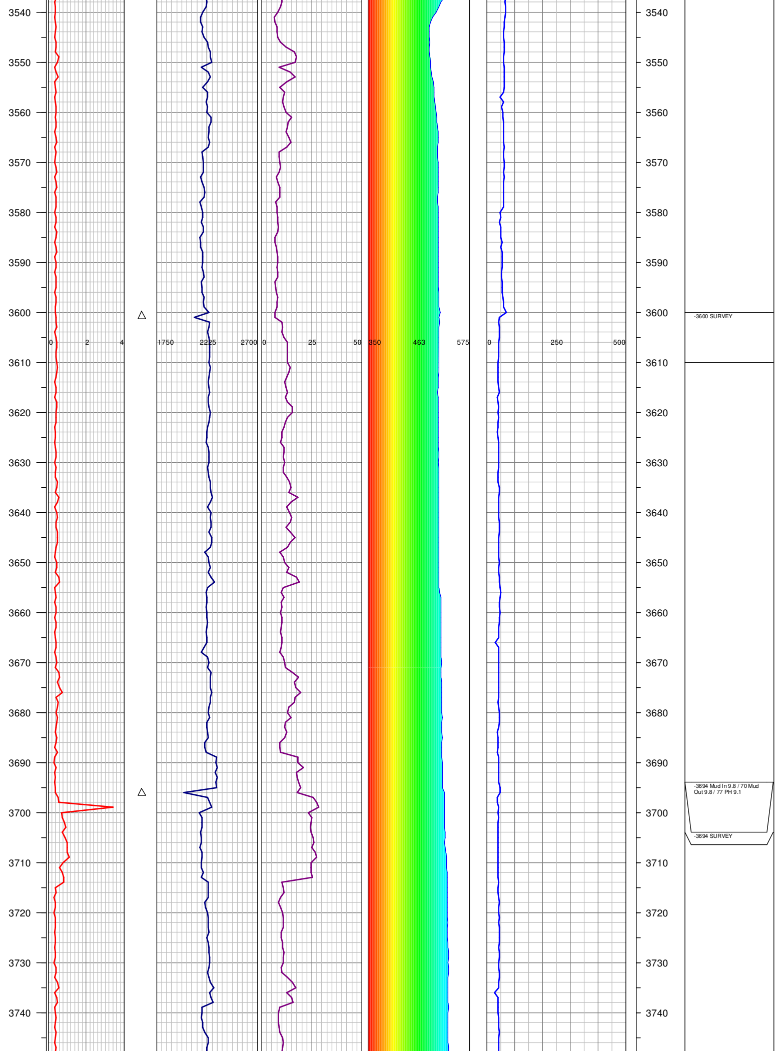
-3110 Mud In 9.7 / 57 Mud Out 10 / 77 PH 9

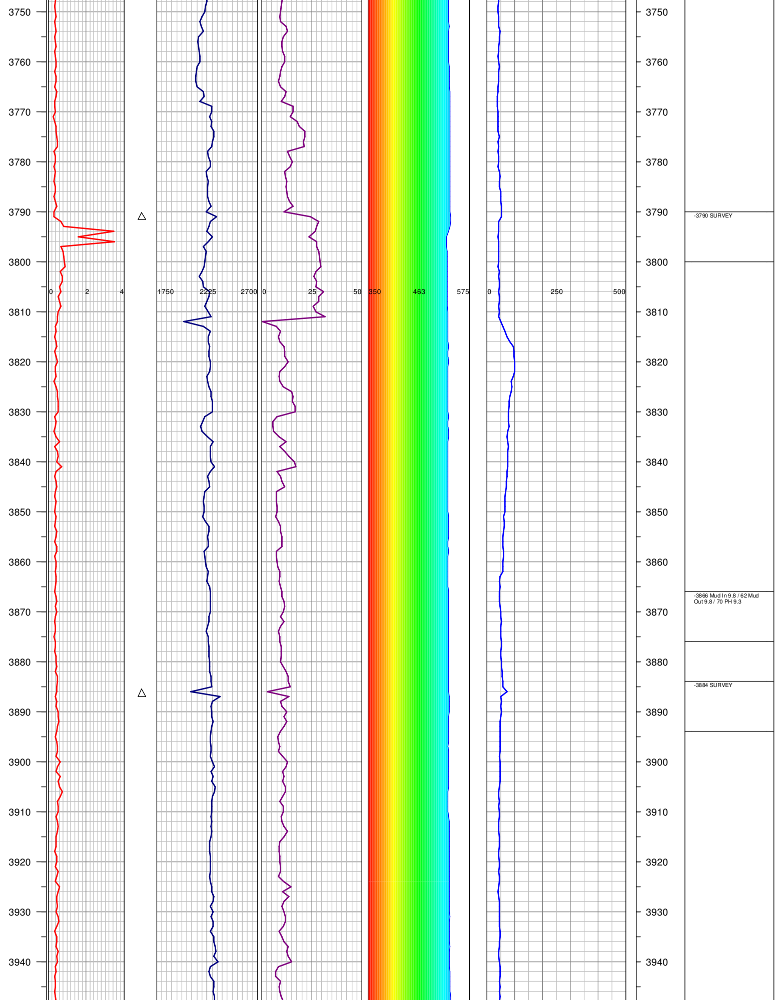
-3124 SURVEY

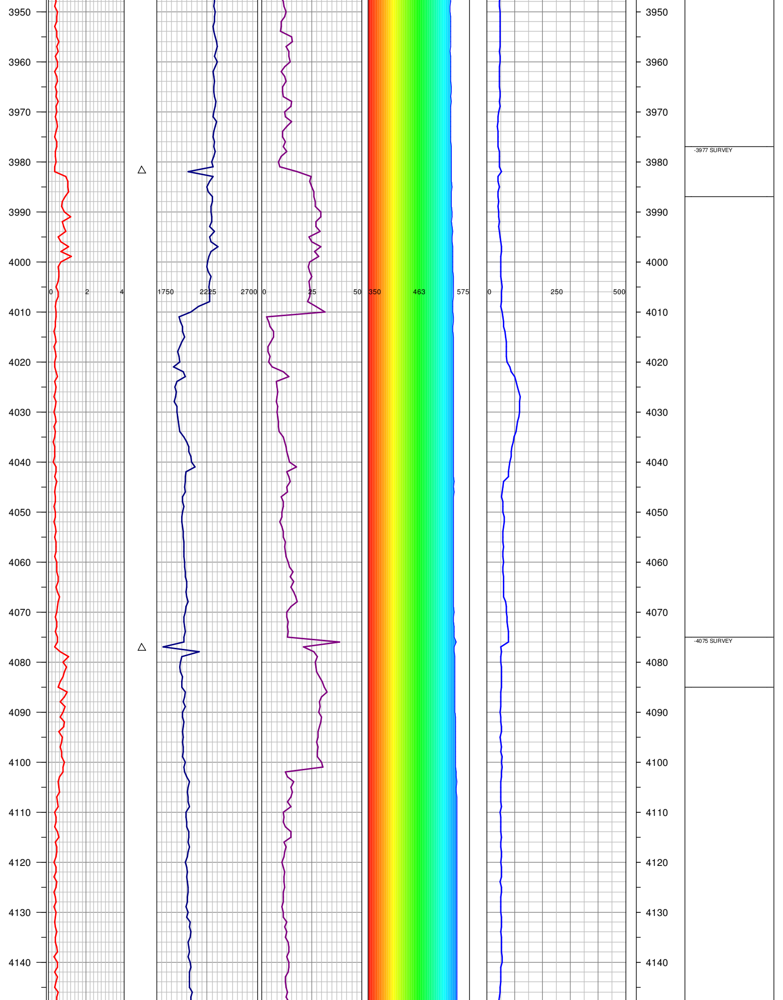
-3217 SURVEY

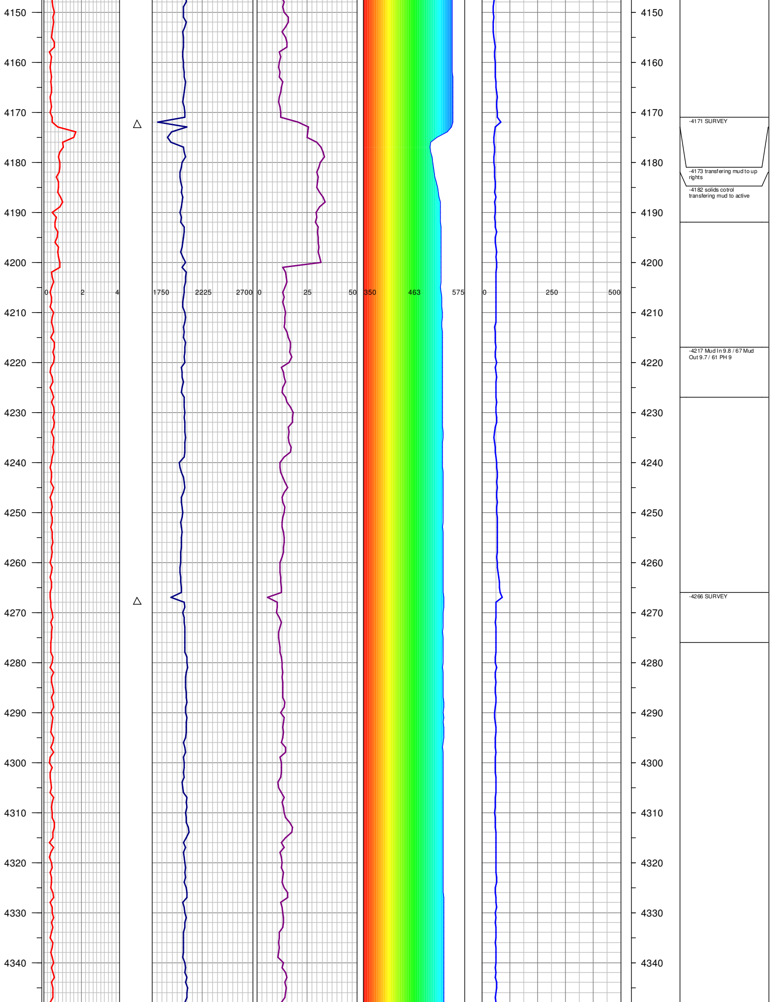
-3311 SURVEY











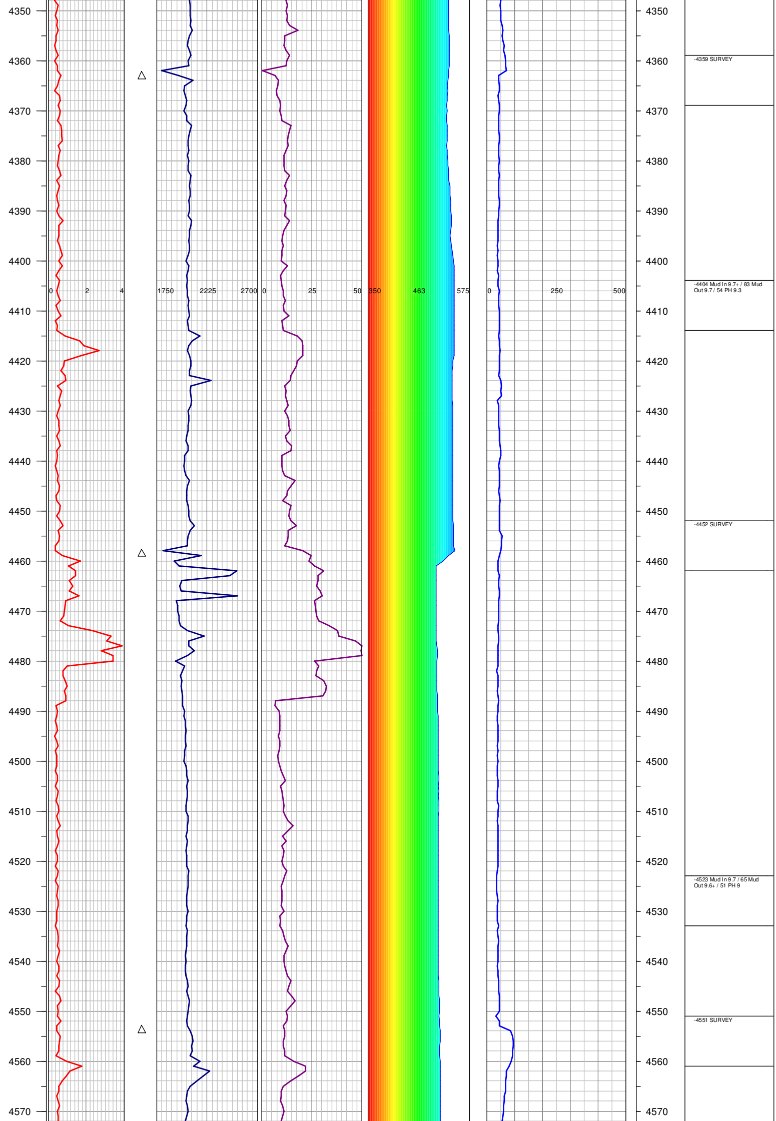
-4171 SURVEY

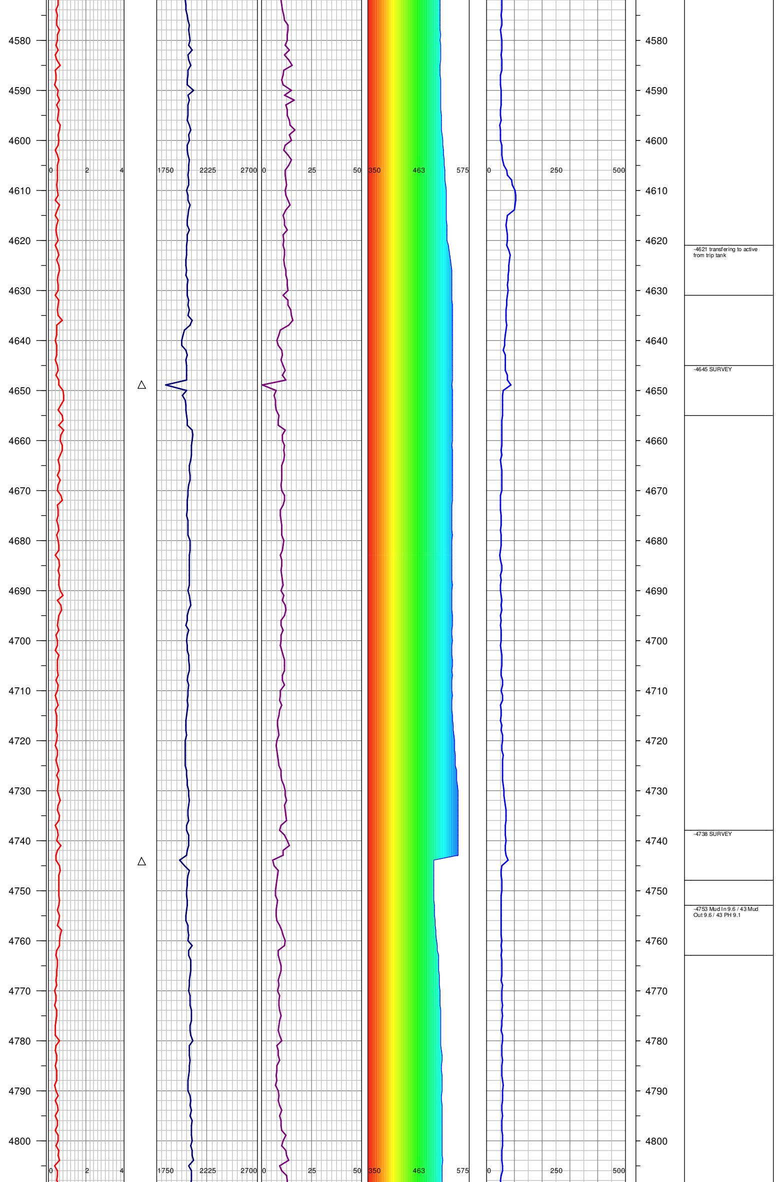
-4173 transfering mud to up rights

-4182 solids cotrol transfering mud to active

-4217 Mud In 9.8 / 67 Mud Out 9.7 / 61 PH 9

-4266 SURVEY



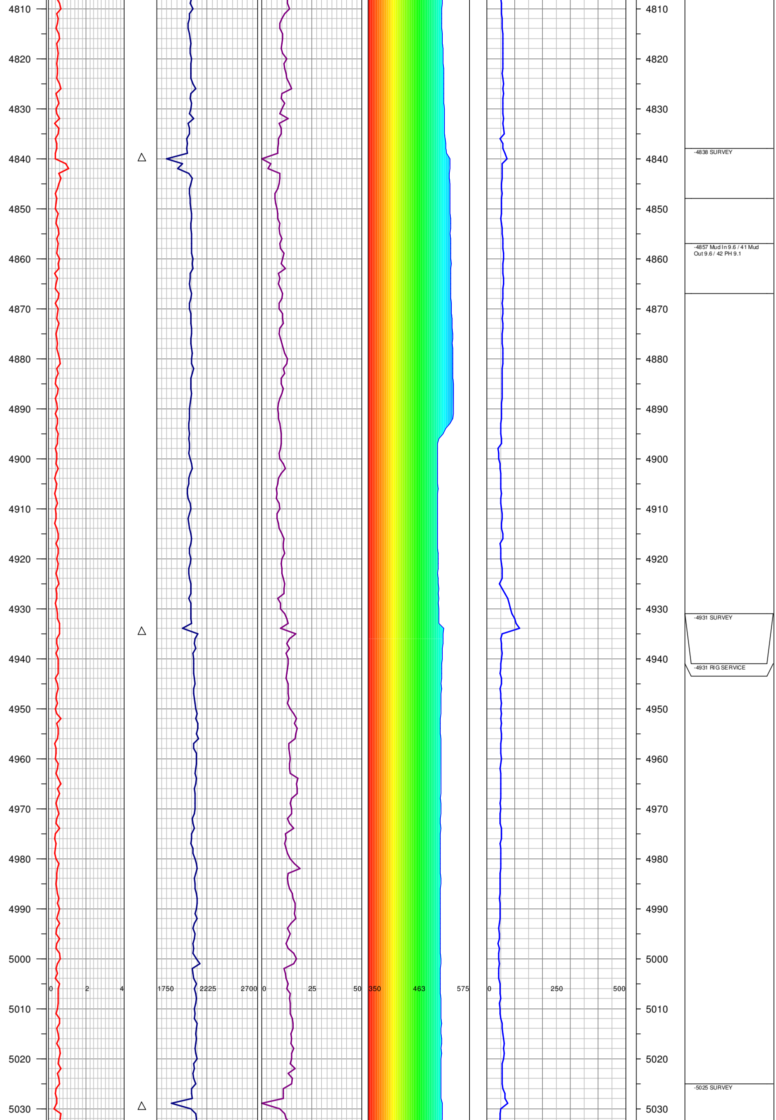


-4621 transfering to active from trip tank

-4645 SURVEY

-4738 SURVEY

-4753 Mud In 9.6 / 43 Mud Out 9.6 / 43 PH 9.1



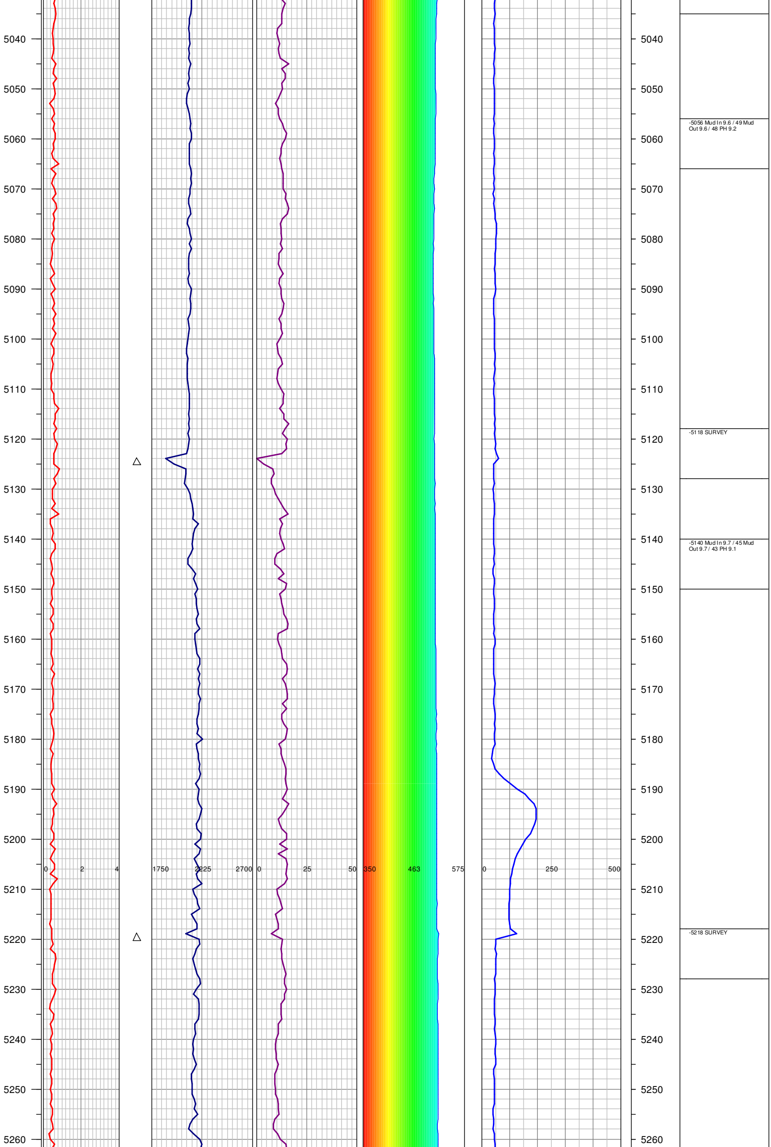
-4838 SURVEY

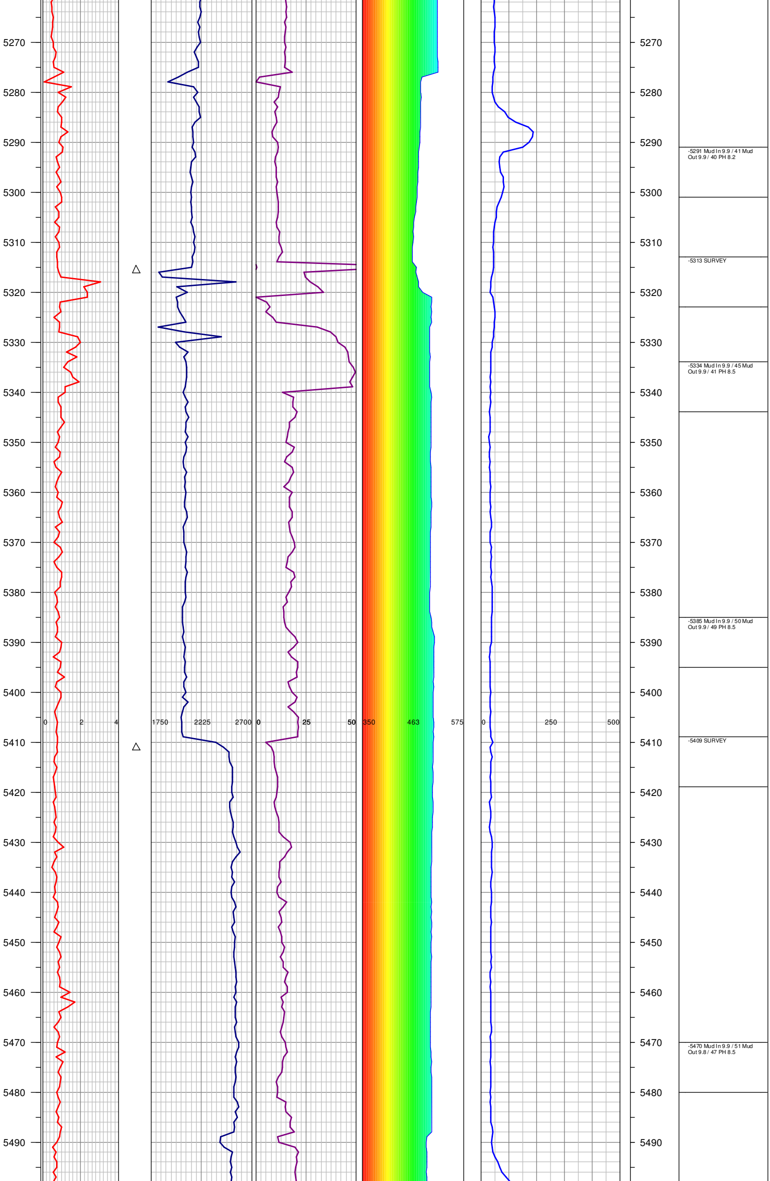
-4857 Mud In 9.6 / 41 Mud Out 9.6 / 42 PH 9.1

-4931 SURVEY

-4931 RIG SERVICE

-5025 SURVEY





-5291 Mud In 9.9 / 41 Mud Out 9.9 / 40 PH 8.2

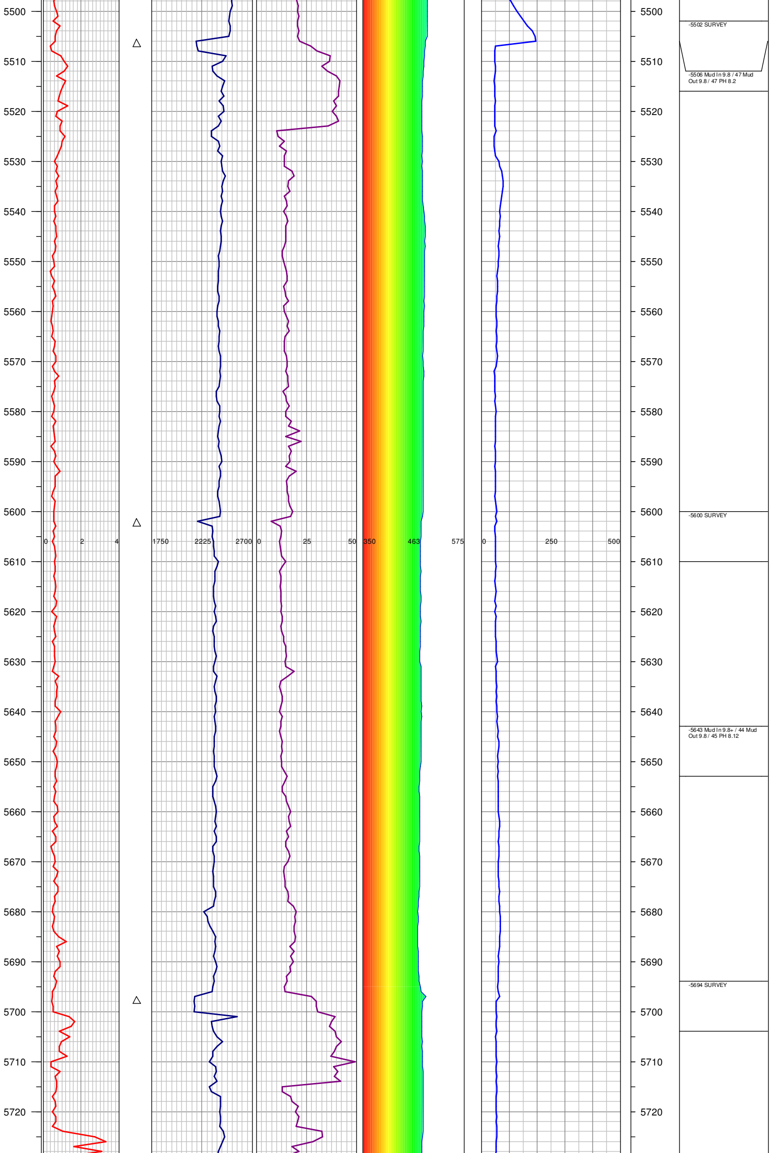
-5313 SURVEY

-5334 Mud In 9.9 / 45 Mud Out 9.9 / 41 PH 8.5

-5385 Mud In 9.9 / 50 Mud Out 9.9 / 49 PH 8.5

-5409 SURVEY

-5470 Mud In 9.9 / 51 Mud Out 9.8 / 47 PH 8.5



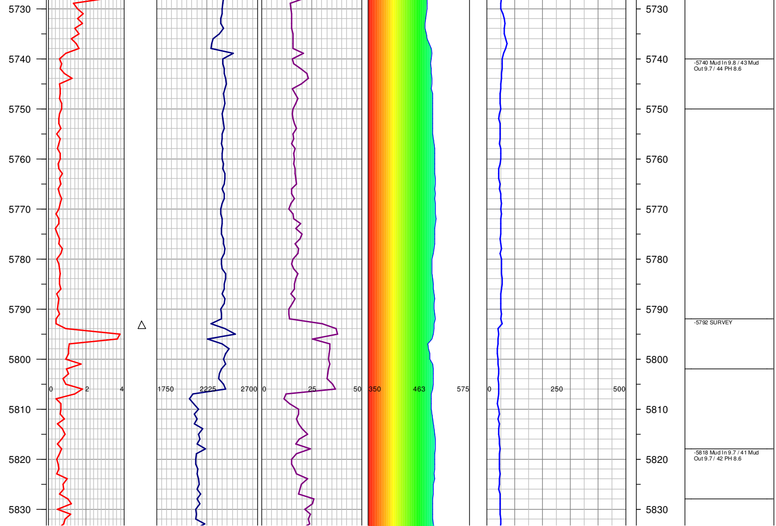
-5502 SURVEY

-5506 Mud In 9.8 / 47 Mud Out 9.8 / 47 PH 8.2

-5600 SURVEY

-5643 Mud In 9.8+ / 44 Mud Out 9.8 / 45 PH 8.12

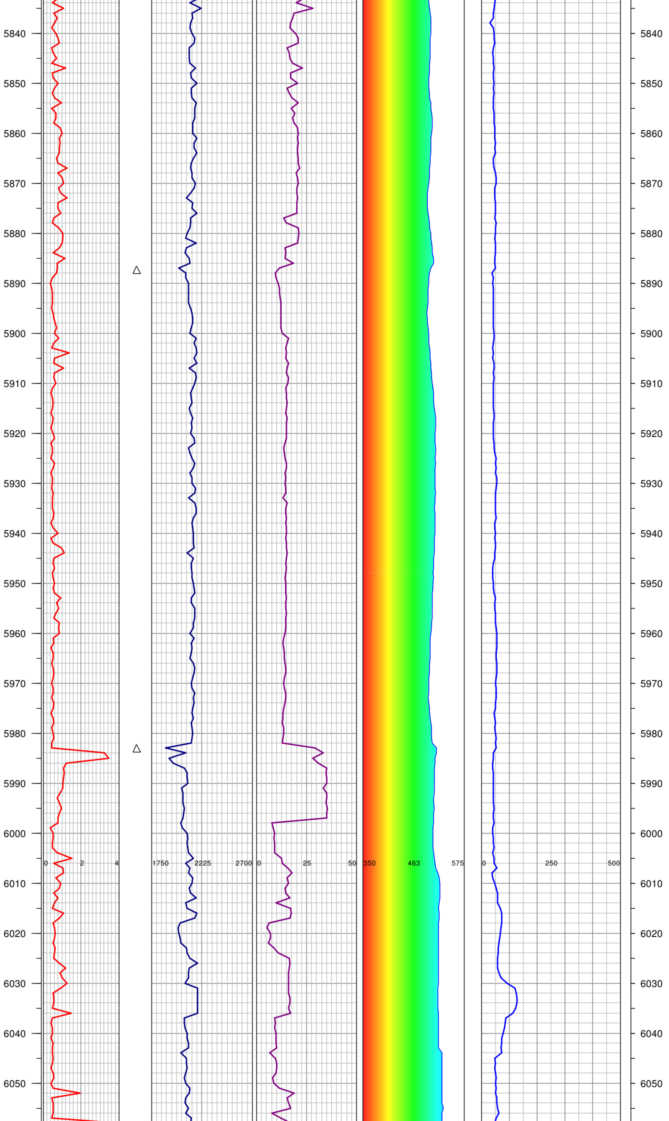
-5694 SURVEY



-5740 Mud In 9.8 / 43 Mud Out 9.7 / 44 PH 8.6

-5792 SURVEY

-5818 Mud In 9.7 / 41 Mud Out 9.7 / 42 PH 8.6

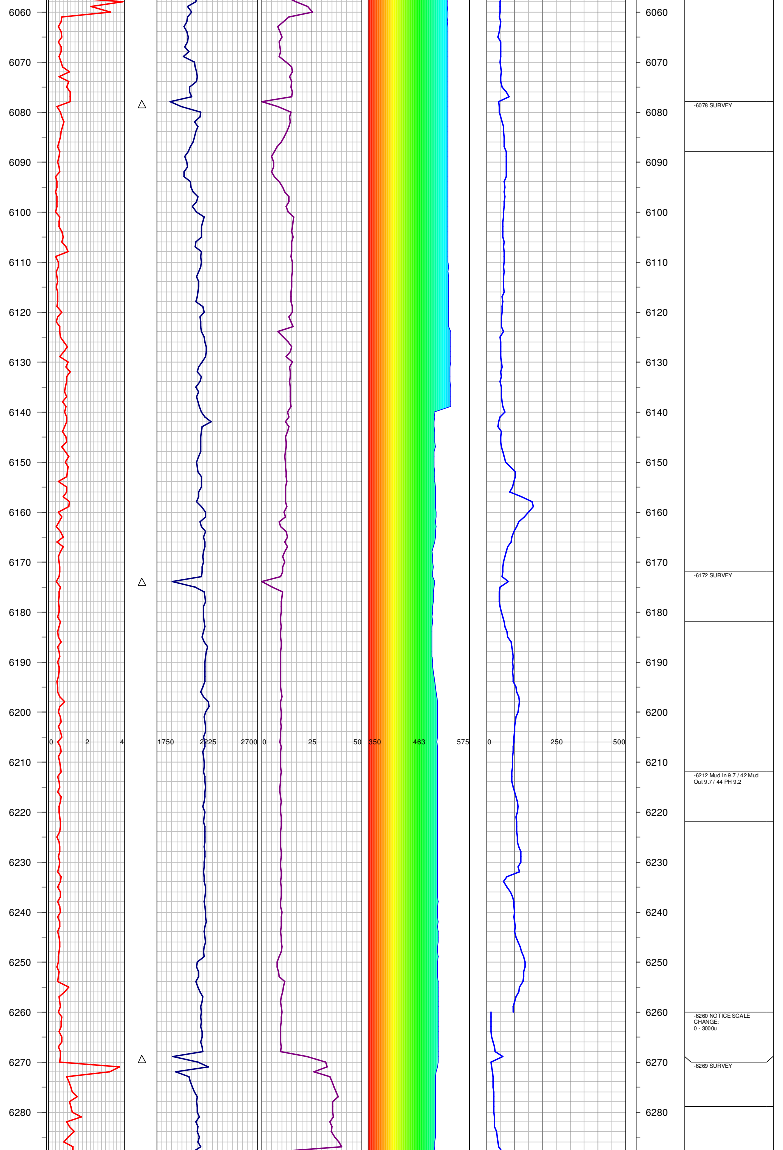


-5887 SURVEY

-5910 Mud In 9.6 / 42 Mud
Out 9.6 / 43 PH 8.5

-5983 SURVEY

-6019 Mud In 9.7 / 40 Mud
Out 9.7 / 42 PH 8.5



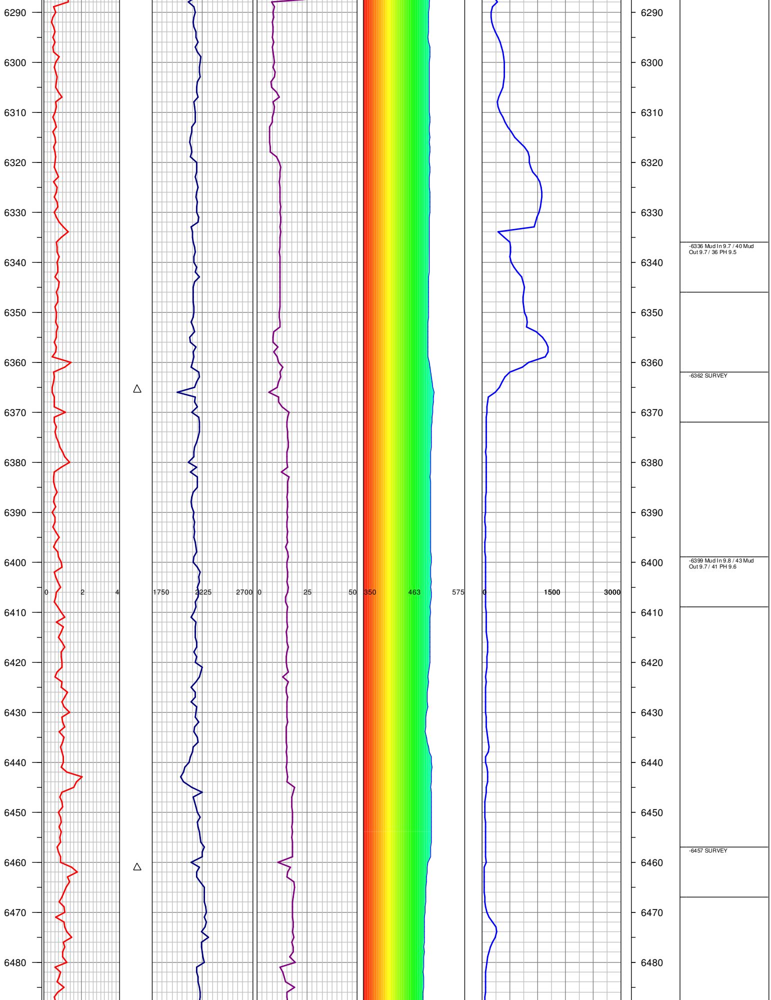
-6078 SURVEY

-6172 SURVEY

-6212 Mud In 9.7 / 42 Mud Out 9.7 / 44 PH 9.2

-6260 NOTICE SCALE CHANGE:
0 - 3000u

-6269 SURVEY

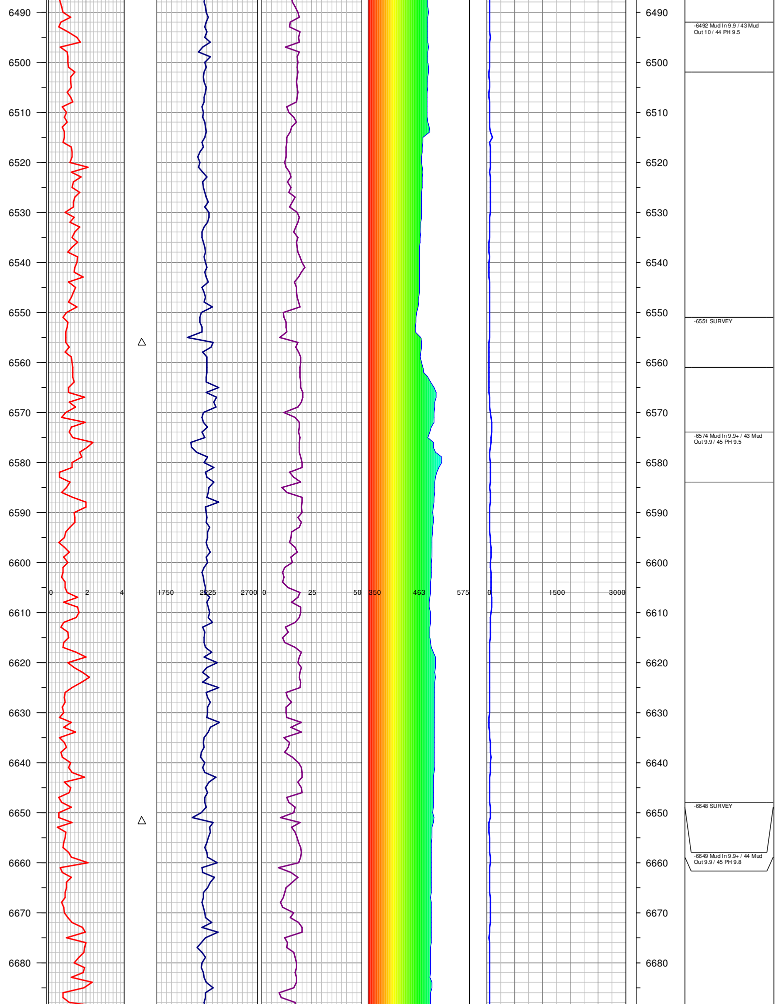


-6336 Mud In 9.7 / 40 Mud Out 9.7 / 36 PH 9.5

-6362 SURVEY

-6399 Mud In 9.8 / 43 Mud Out 9.7 / 41 PH 9.6

-6457 SURVEY



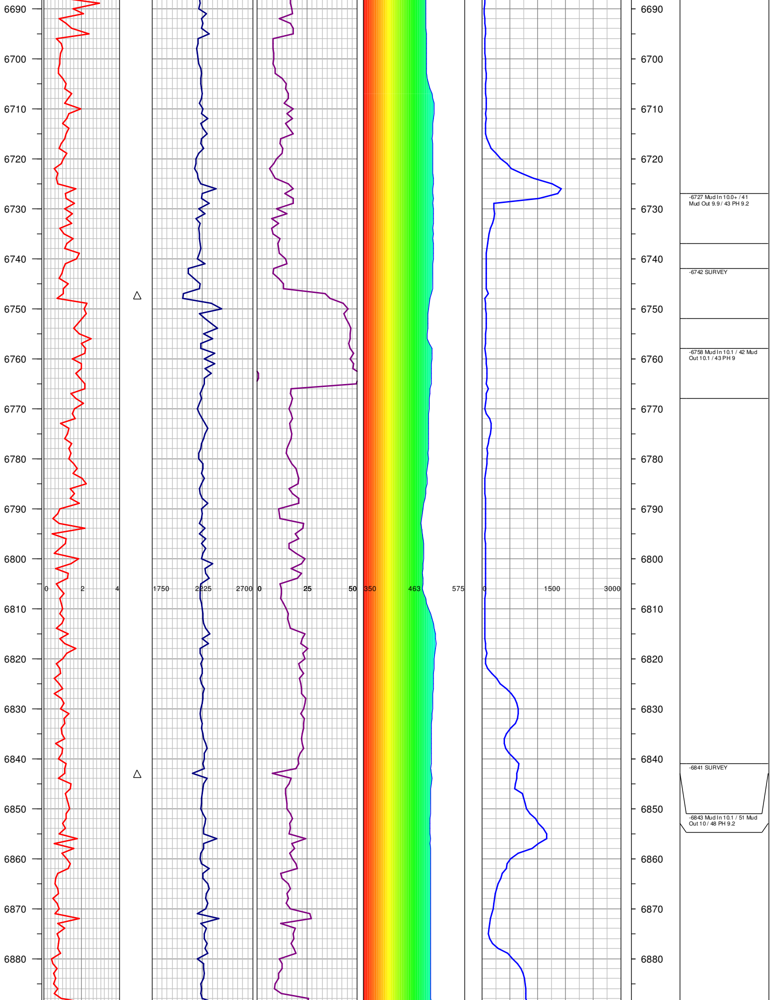
-6492 Mud In 9.9 / 43 Mud Out 10 / 44 PH 9.5

-6551 SURVEY

-6574 Mud In 9.9+ / 43 Mud Out 9.9 / 45 PH 9.5

-6648 SURVEY

-6649 Mud In 9.9+ / 44 Mud Out 9.9 / 45 PH 9.8



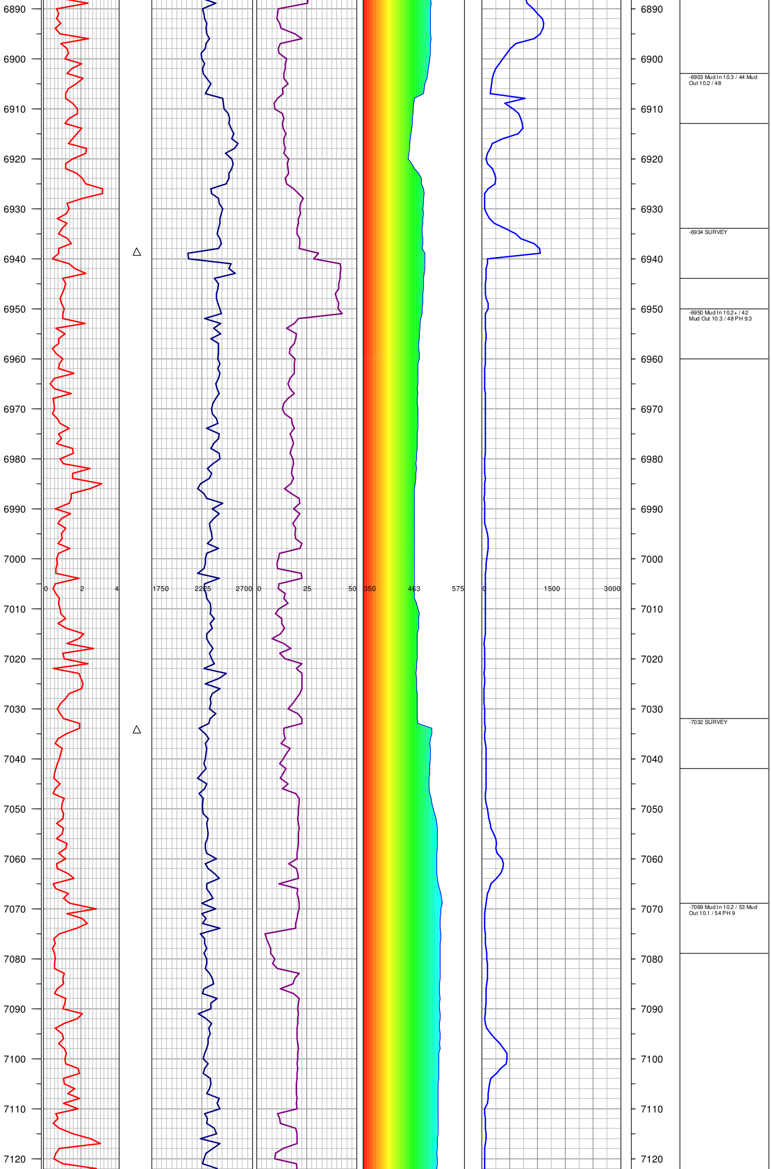
-6727 Mud In 10.0+ / 41 Mud Out 9.9 / 43 PH 9.2

-6742 SURVEY

-6758 Mud In 10.1 / 42 Mud Out 10.1 / 43 PH 9

-6841 SURVEY

-6843 Mud In 10.1 / 51 Mud Out 10 / 48 PH 9.2



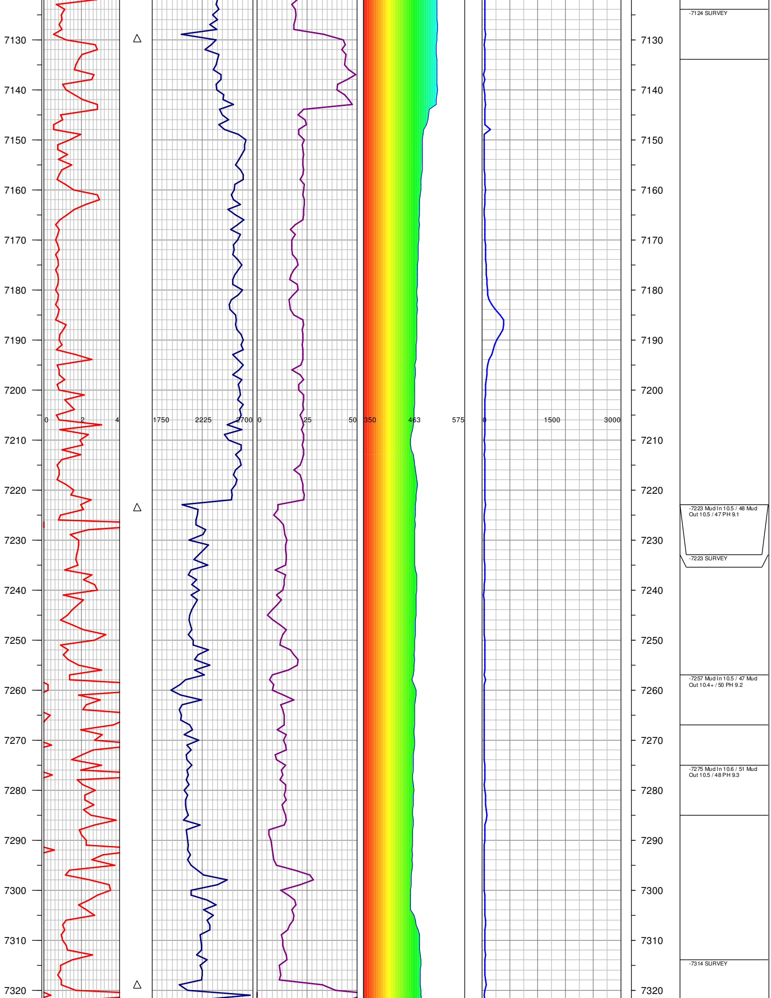
-6903 Mud In 10.3 / 44 Mud Out 10.2 / 48

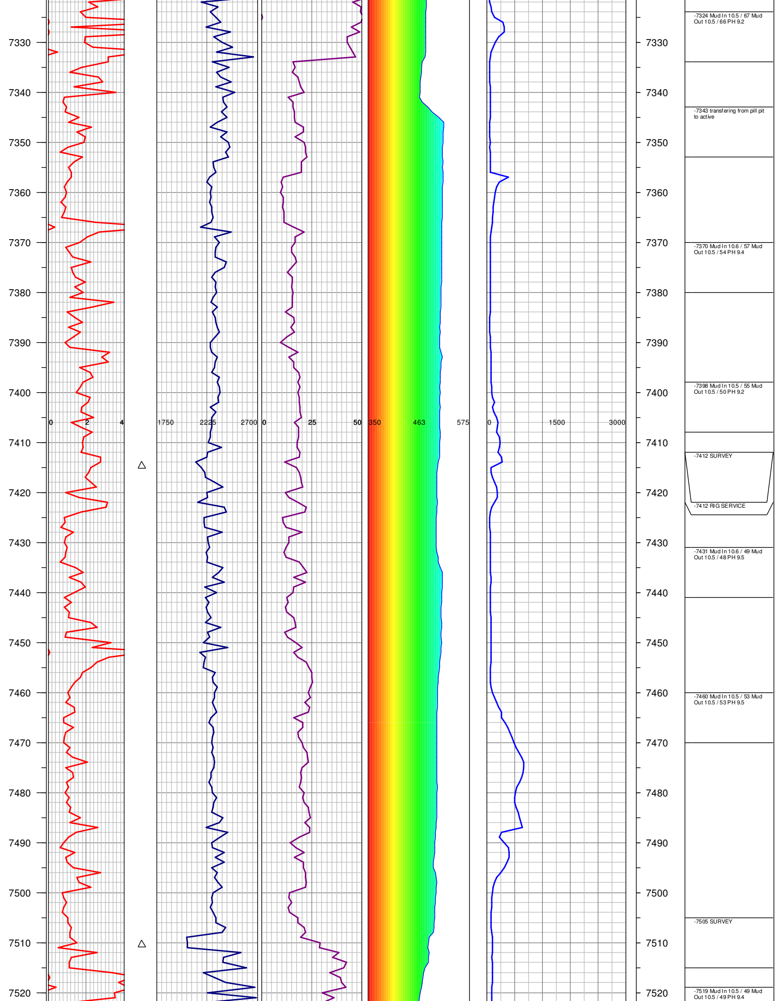
-6934 SURVEY

-6950 Mud In 10.2+ / 42 Mud Out 10.3 / 48 PH 9.3

-7032 SURVEY

-7069 Mud In 10.2 / 53 Mud Out 10.1 / 54 PH 9





-7324 Mud In 10.5 / 67 Mud Out 10.5 / 66 PH 9.2

-7343 transfering from pill pit to active

-7370 Mud In 10.6 / 57 Mud Out 10.5 / 54 PH 9.4

-7398 Mud In 10.5 / 55 Mud Out 10.5 / 50 PH 9.2

-7412 SURVEY

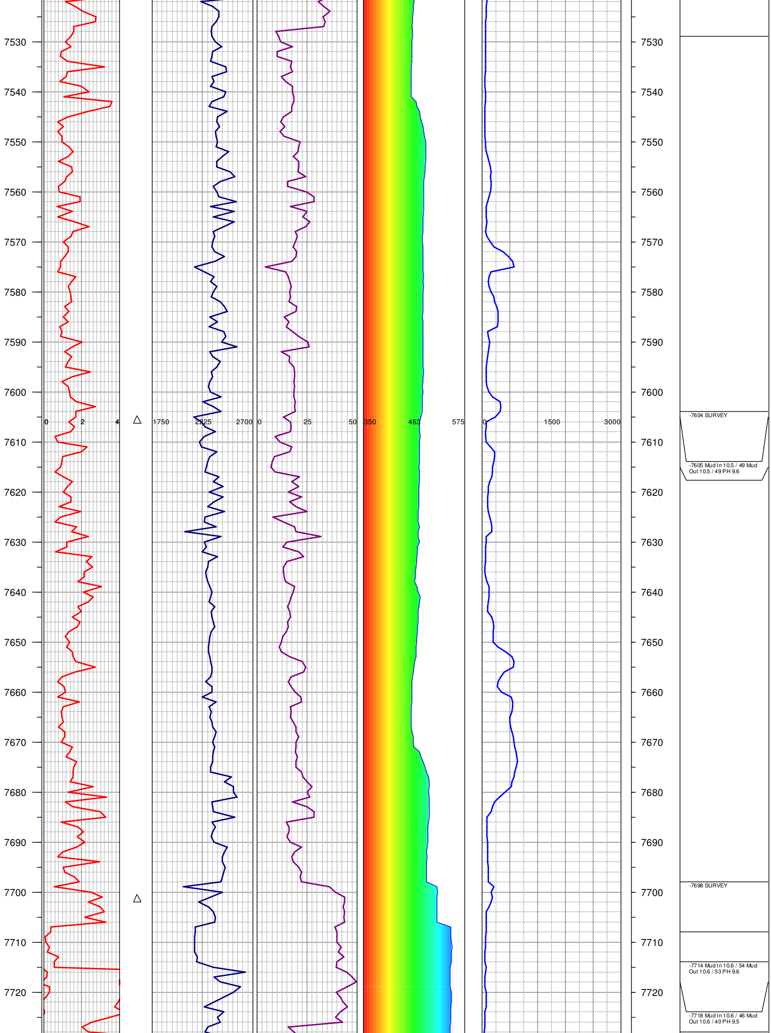
-7412 RIG SERVICE

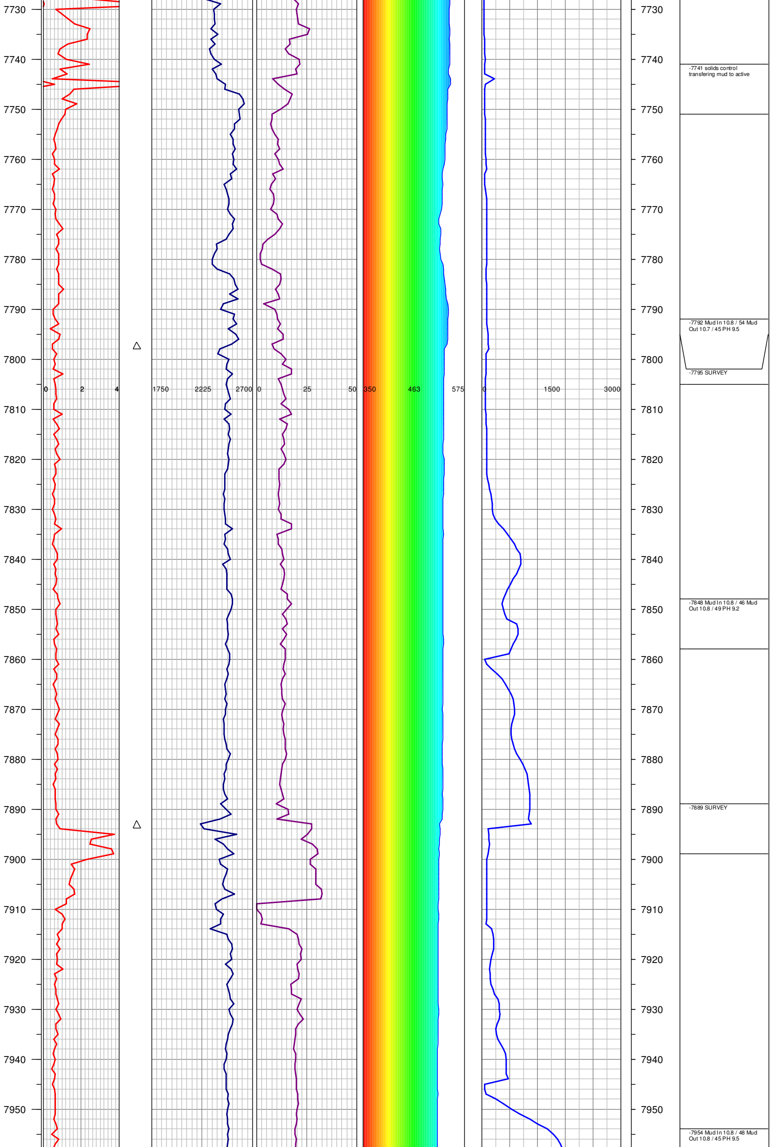
-7431 Mud In 10.6 / 49 Mud Out 10.5 / 48 PH 9.5

-7460 Mud In 10.5 / 53 Mud Out 10.5 / 53 PH 9.5

-7505 SURVEY

-7519 Mud In 10.5 / 49 Mud Out 10.5 / 49 PH 9.4





-7741 solids control
transfering mud to active

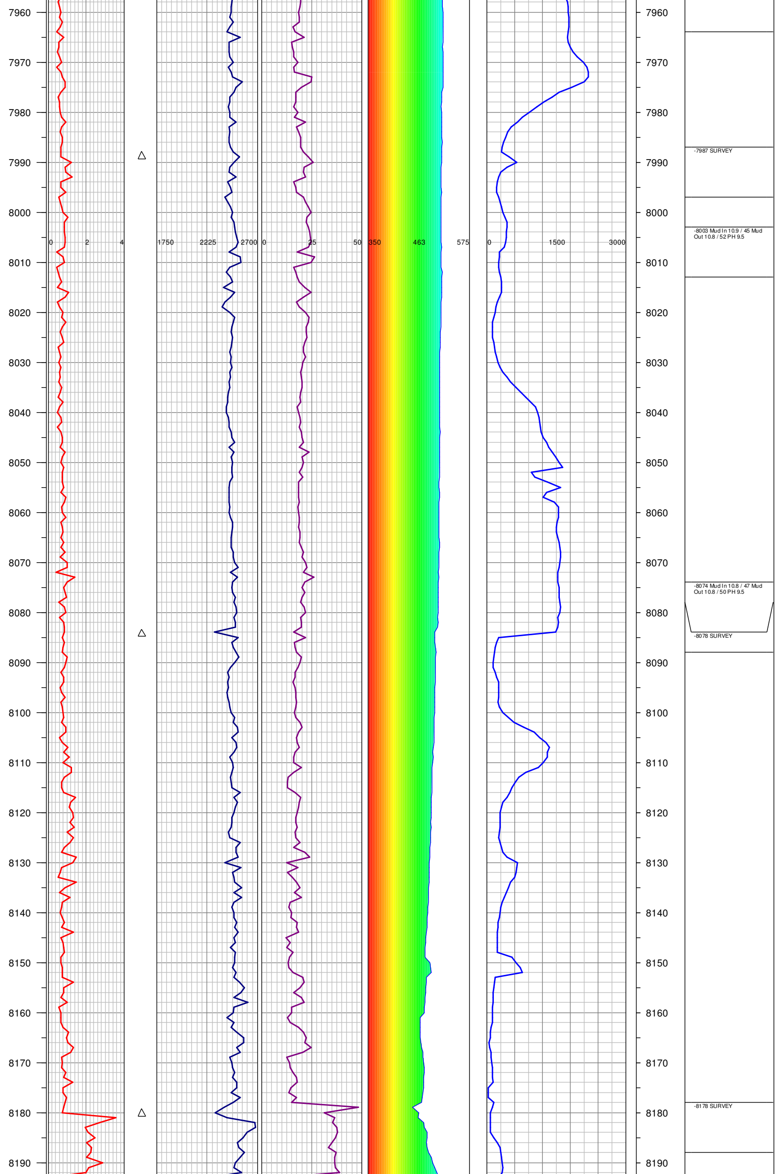
-7792 Mud In 10.8 / 54 Mud
Out 10.7 / 45 PH 9.5

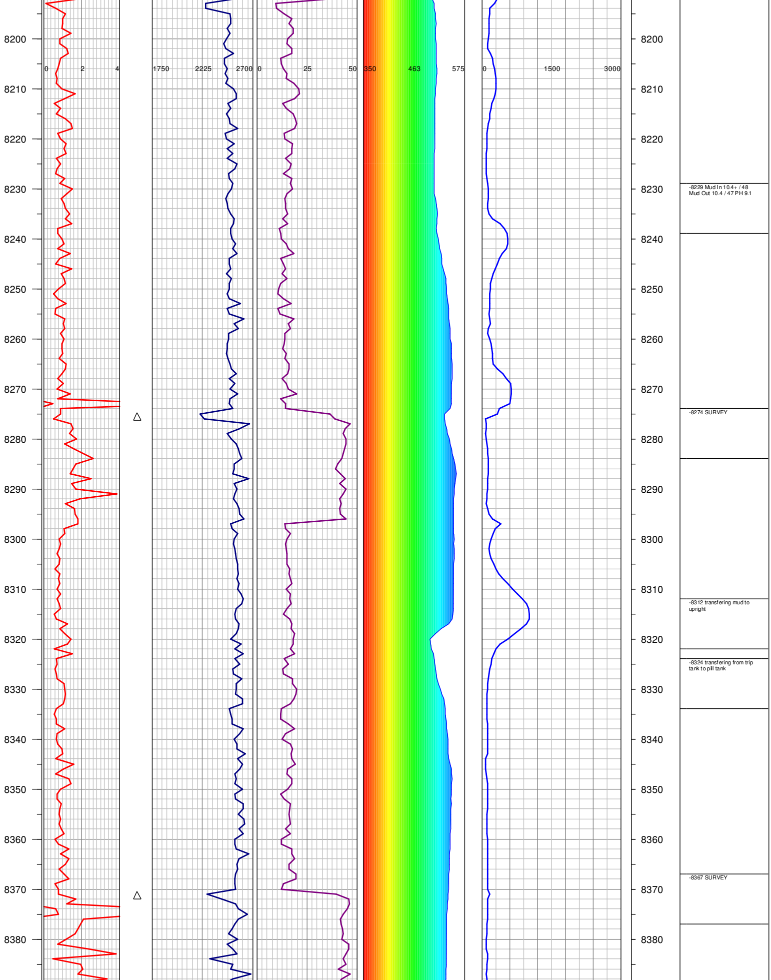
-7795 SURVEY

-7848 Mud In 10.8 / 46 Mud
Out 10.8 / 49 PH 9.2

-7889 SURVEY

-7954 Mud In 10.8 / 48 Mud
Out 10.8 / 45 PH 9.5





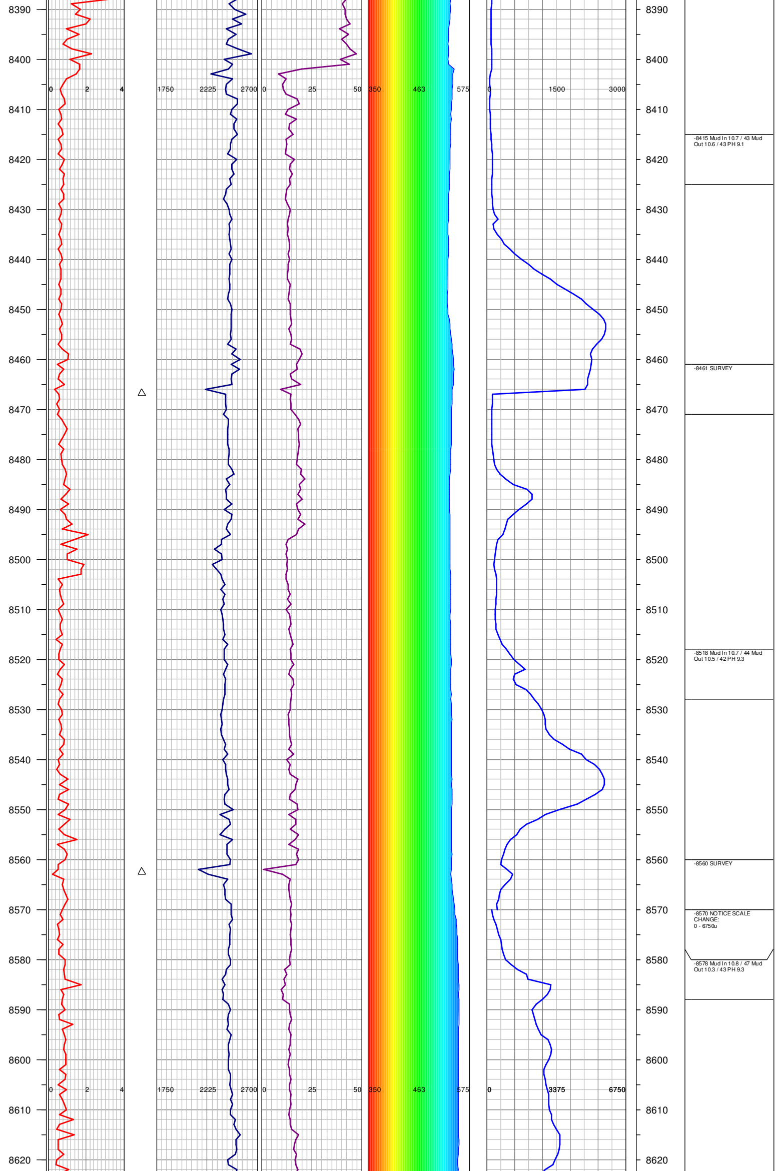
-8229 Mud In 10.4+ / 48
Mud Out 10.4 / 47 PH 9.1

-8274 SURVEY

-8312 transfering mud to upright

-8324 transfering from trip tank to pill tank

-8367 SURVEY



-8415 Mud In 10.7 / 43 Mud Out 10.6 / 43 PH 9.1

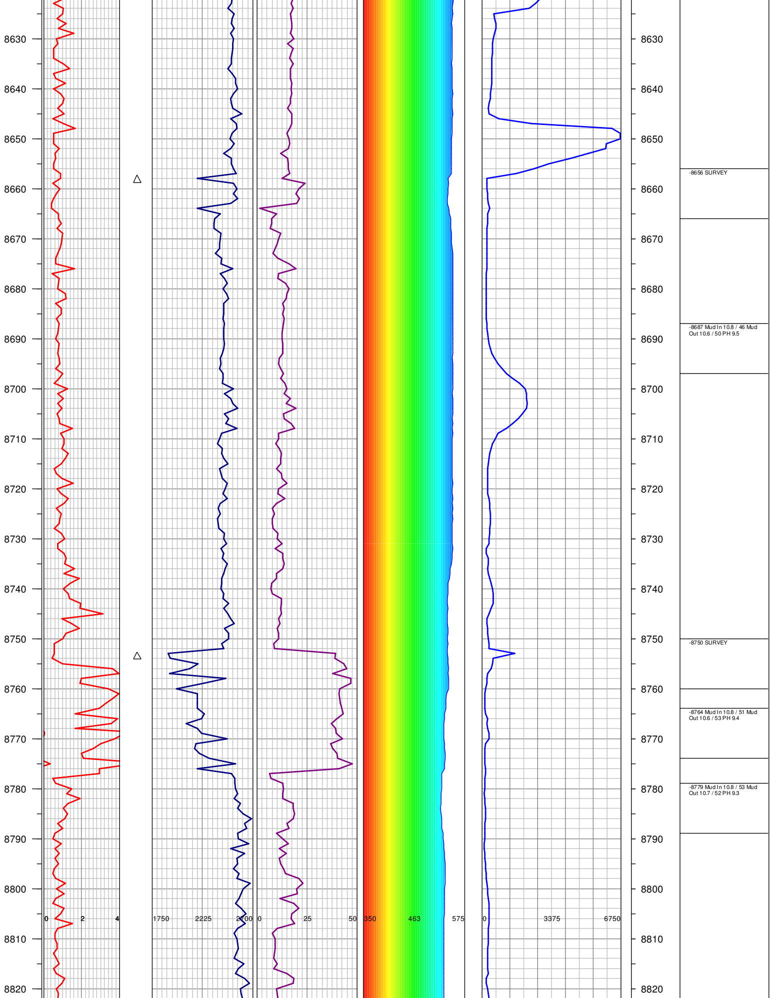
-8461 SURVEY

-8518 Mud In 10.7 / 44 Mud Out 10.5 / 42 PH 9.3

-8560 SURVEY

-8570 NOTICE SCALE CHANGE:
0 - 6750u

-8578 Mud In 10.8 / 47 Mud Out 10.3 / 43 PH 9.3



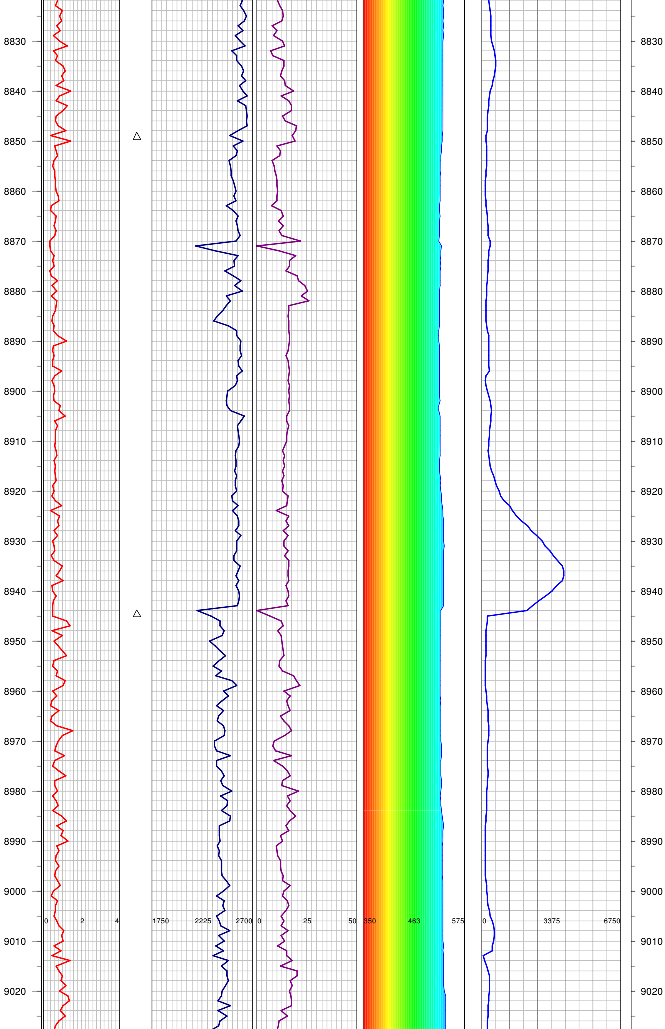
-8656 SURVEY

-8687 Mud In 10.8 / 46 Mud Out 10.6 / 50 PH 9.5

-8750 SURVEY

-8764 Mud In 10.8 / 51 Mud Out 10.6 / 53 PH 9.4

-8779 Mud In 10.8 / 53 Mud Out 10.7 / 52 PH 9.3



-8846 SURVEY

-8846 Mud In 10.8 / 48 Mud Out 10.7 / 48 PH 9.2

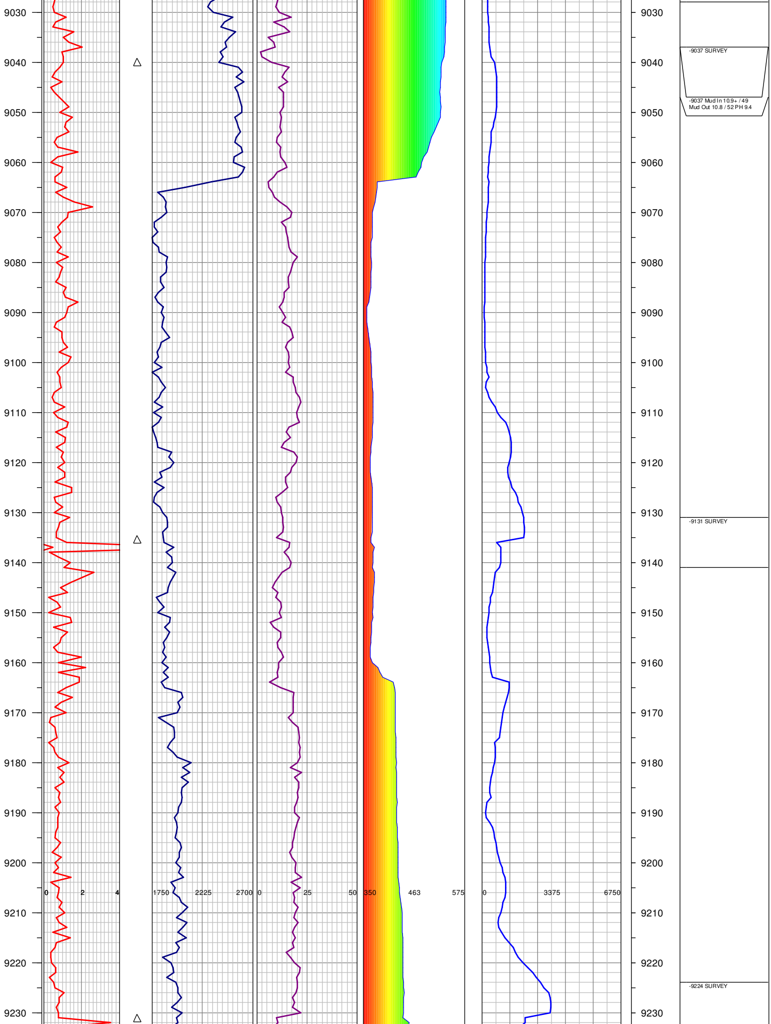
-8906 Mud In 10.8 / 47 Mud Out 10.7 / 42 PH 9.2

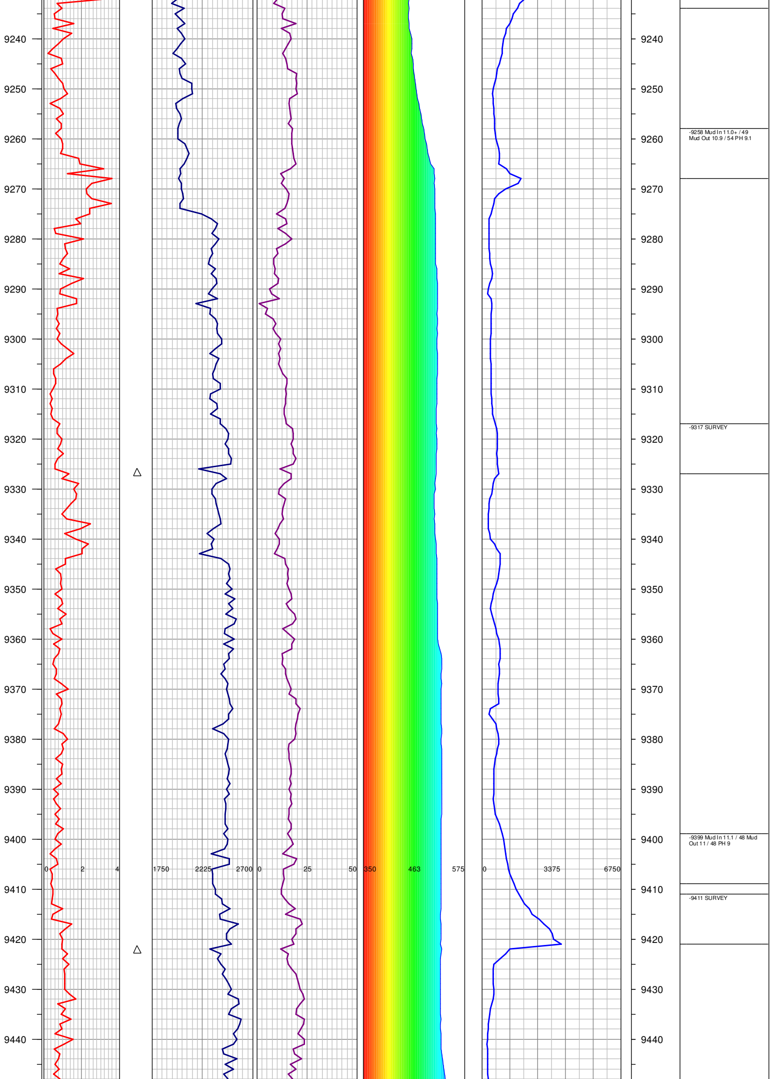
-8942 SURVEY

-8980 solid control transfering mud to active

-8987 Mud In 10.9 / 50 Mud Out 10.6 / 52 PH 9.2

-9018 solid control transfering to active



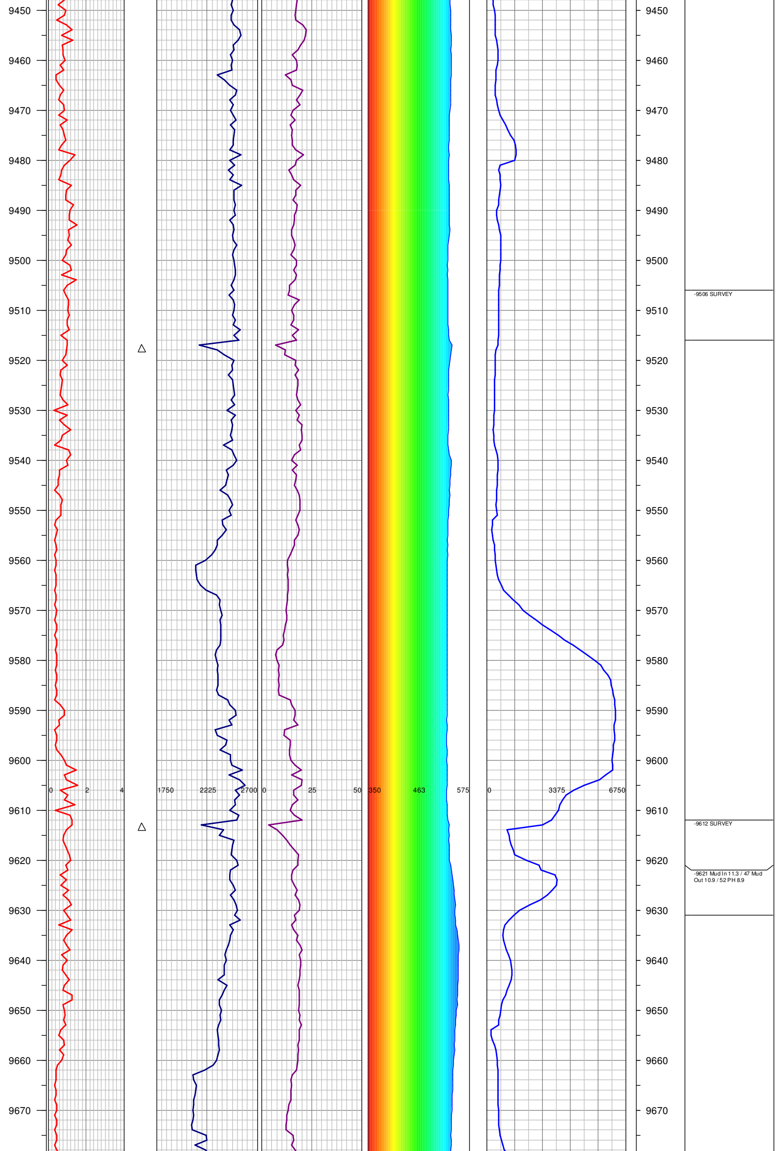


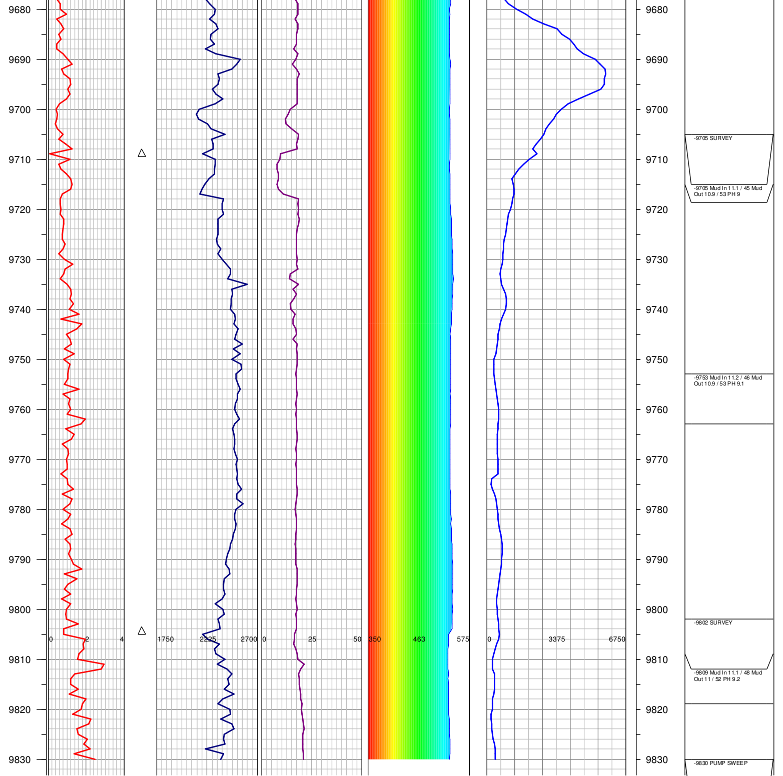
-9258 Mud In 11.0+ / 49
Mud Out 10.9 / 54 PH 9.1

-9317 SURVEY

-9399 Mud In 11.1 / 48 Mud
Out 11 / 48 PH 9

-9411 SURVEY





-9705 SURVEY

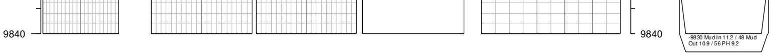
-9705 Mud In 11.1 / 45 Mud Out 10.9 / 53 PH 9

-9753 Mud In 11.2 / 46 Mud Out 10.9 / 53 PH 9.1

-9802 SURVEY

-9809 Mud In 11.1 / 48 Mud Out 11 / 52 PH 9.2

-9830 PUMP SWEEP



-9830 Mud In 11.2 / 48 Mud Out 10.9 / 56 PH 9.2

TOTAL DEPTH = 9830'

FGS RELEASED: 01/24/2014