

**BAKER
HUGHES**
a GE company



STAR RESISTIVITY IMAGING LOG[®]

COMPANY HOLLY FRONTIER - NAVAJO

WELL
NAVAJO REFINING WDW #4

FIELD ARTESIA

COUNTY EDDY STATE NEW MEXICO

LOCATION:

LAT 32.81581400 **LONG** -104.25003400

ELEVATIONS:

KB	<u>3585.8 FT</u>	DF	<u>3584.8 FT</u>	GL	<u>3565.8 FT</u>
----	------------------	----	------------------	----	------------------

DATE 9-AUG-2018 ECC OH139174

ECC OH139174

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

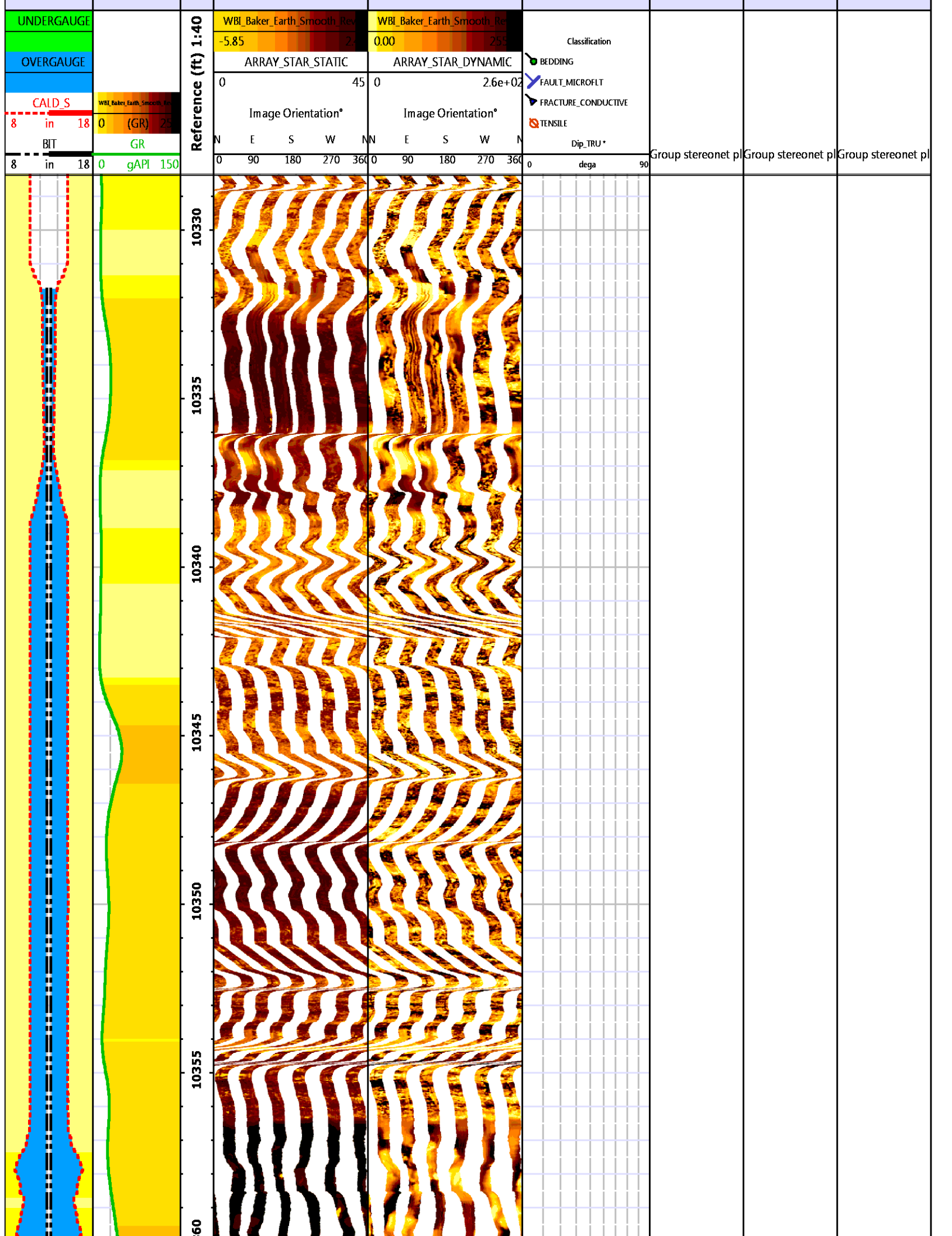
REMARKS

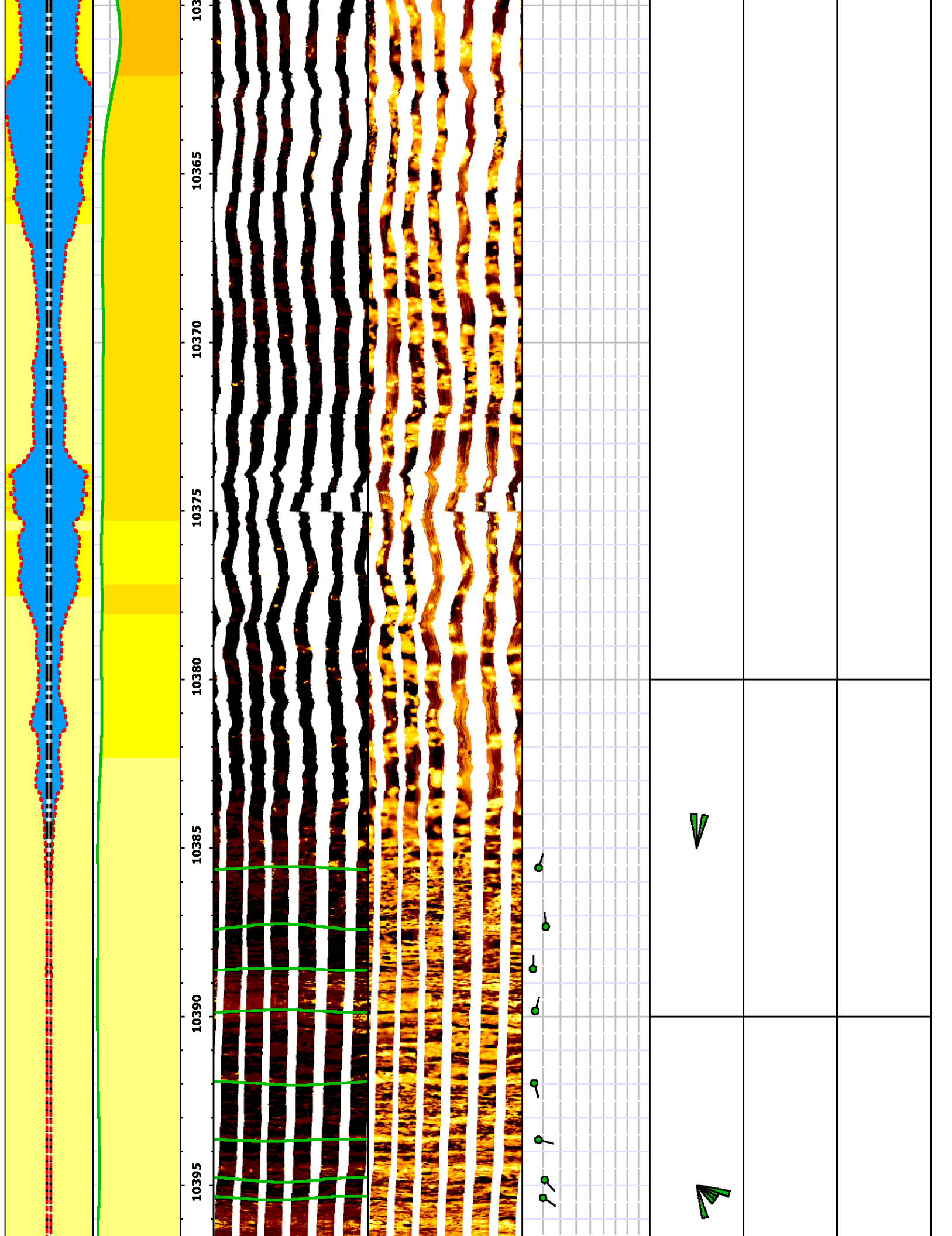
LOCATION:
1217' FSL & 2443' FWL
SECTION 23, T 17S, R27E
N.M.P.M. SURVEY

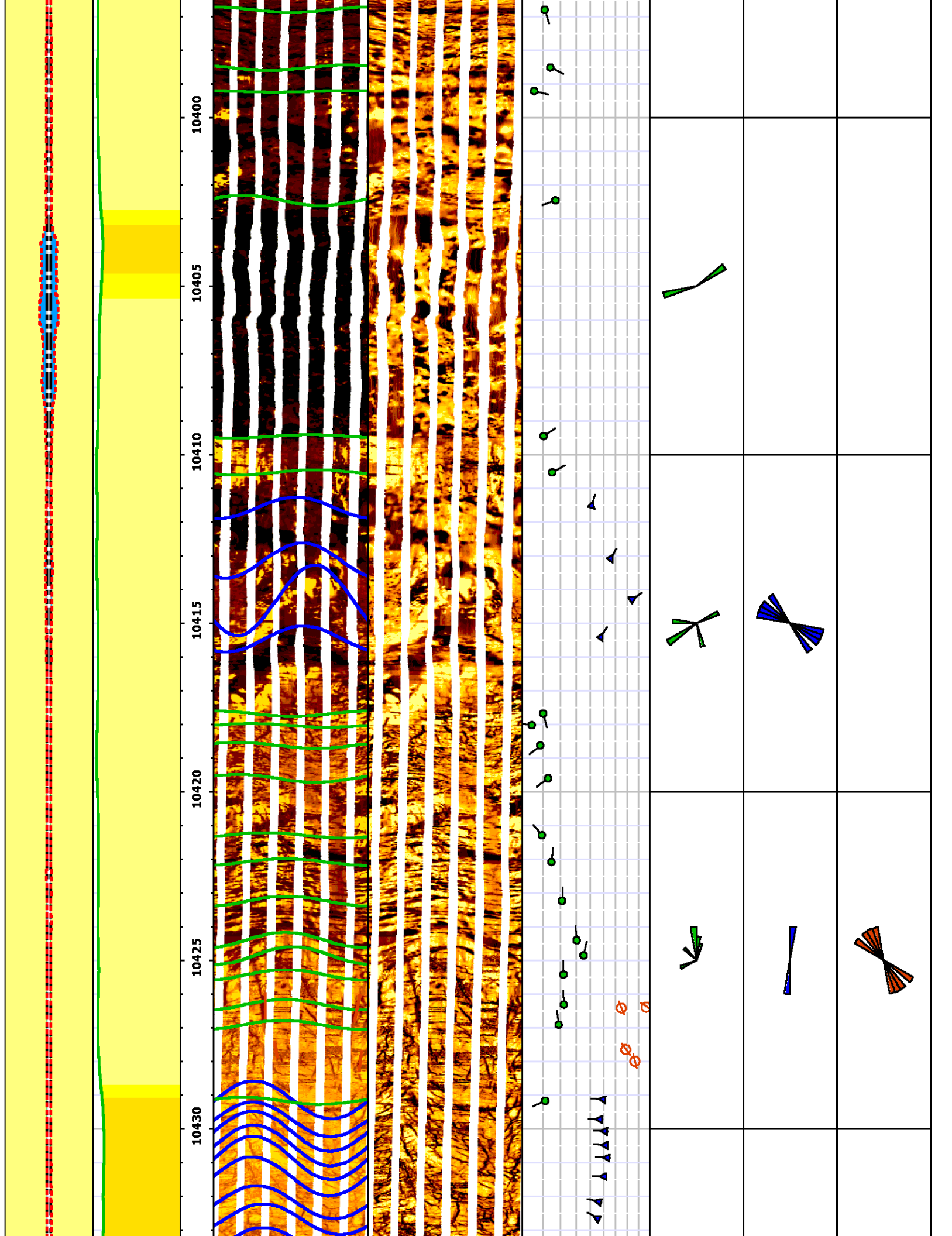
DATA MAYBE UNRELIABLE IN AREAS OF TENSION PULLS AND WASHOUTS
IMAGE ORIENTED TO NORTH
MAGNETIC DECLINATION APPLIED: 7.29 DEGREES
A 1 FT WINDOW WAS USED FOR DYNAMIC IMAGE NORMALIZATION

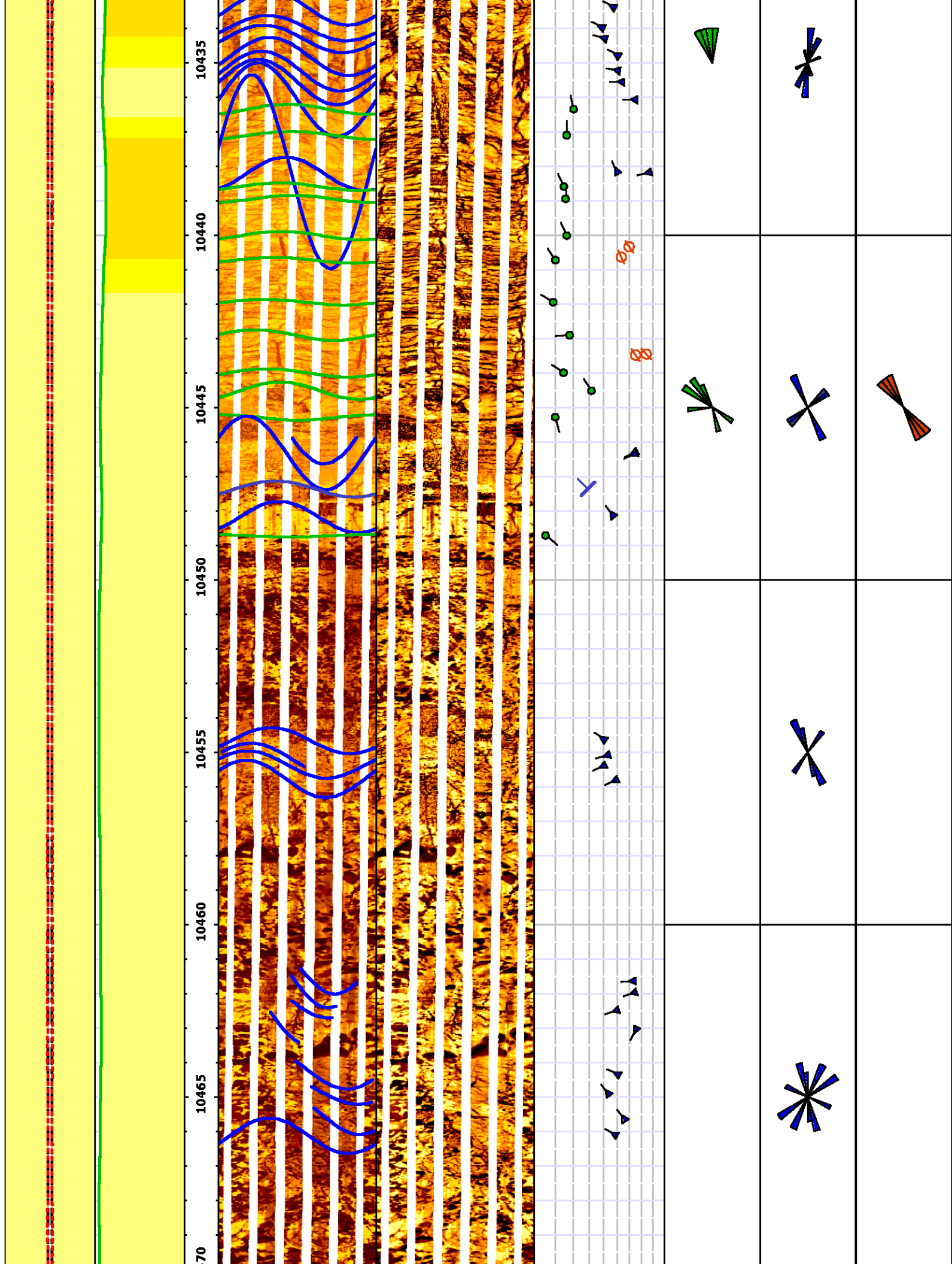
GEOSCIENTIST: M GUIDRY

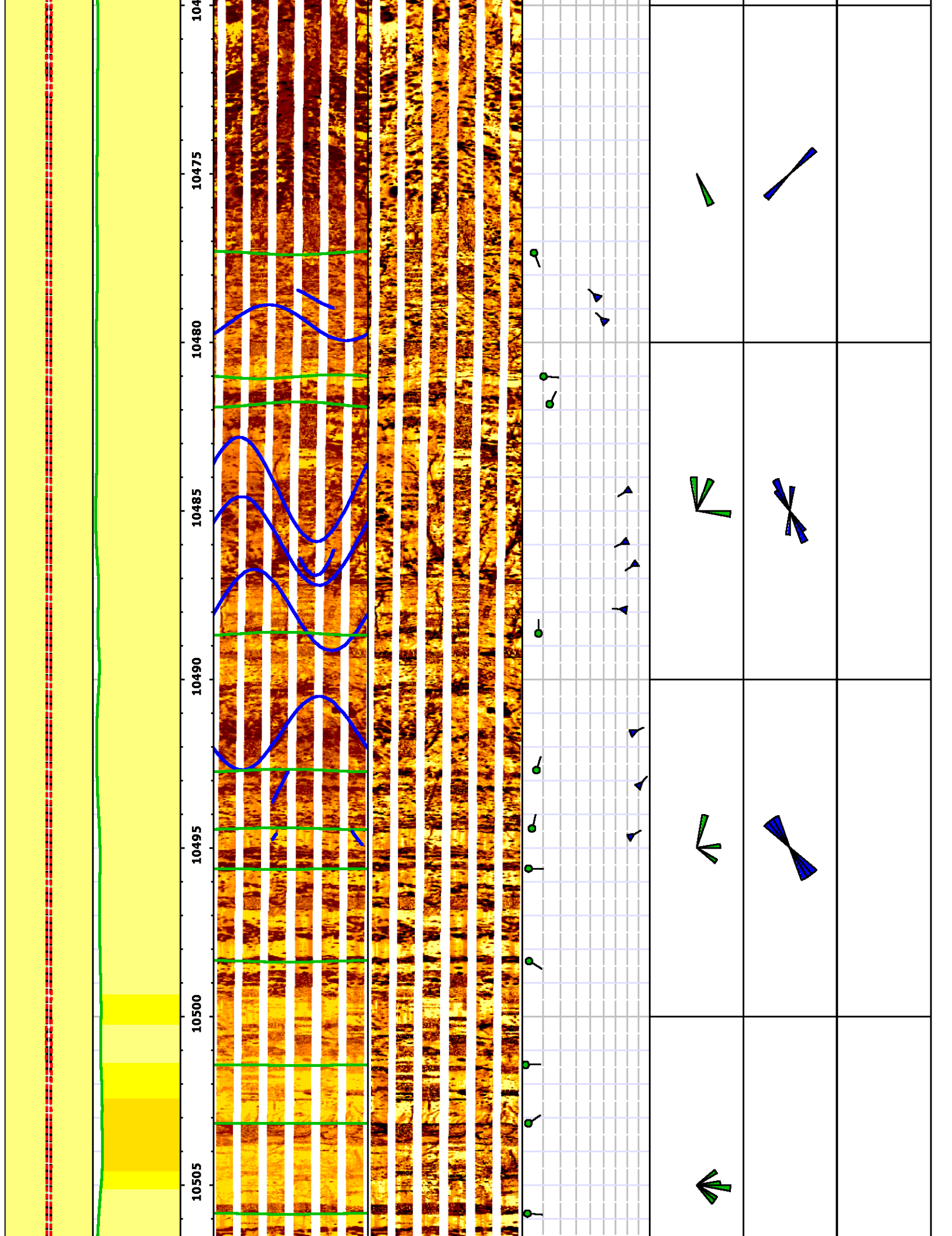
STAR CALIPER	GAMMA RAY	DEPTH	STAR STATIC	STAR DYNAMIC	MANUAL DIPS	BEDDING FEATURES	NATURAL FRACTURES	DRILLING INDUCED FRACTURES
-----------------	--------------	-------	----------------	-----------------	----------------	---------------------	----------------------	----------------------------------

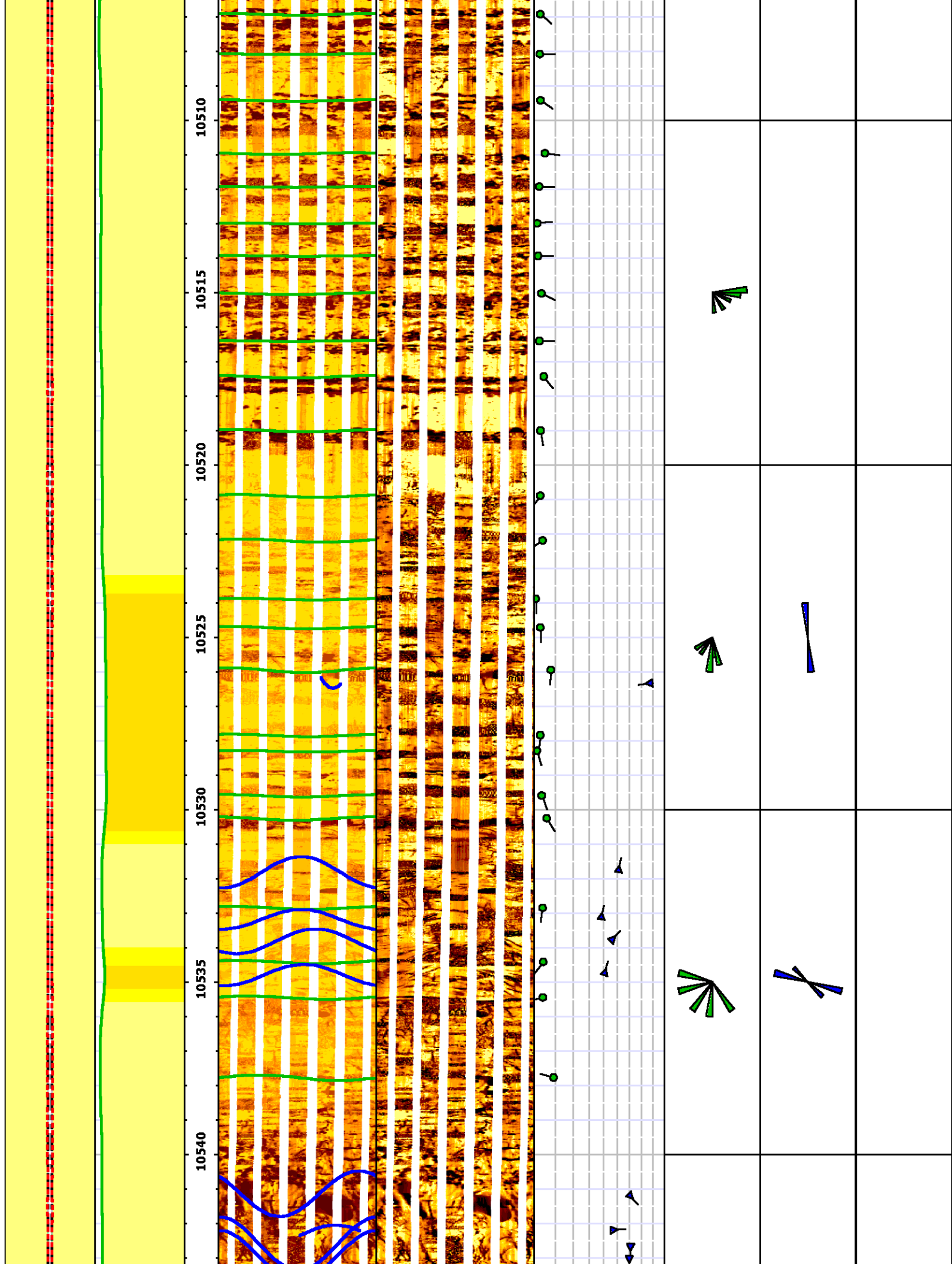


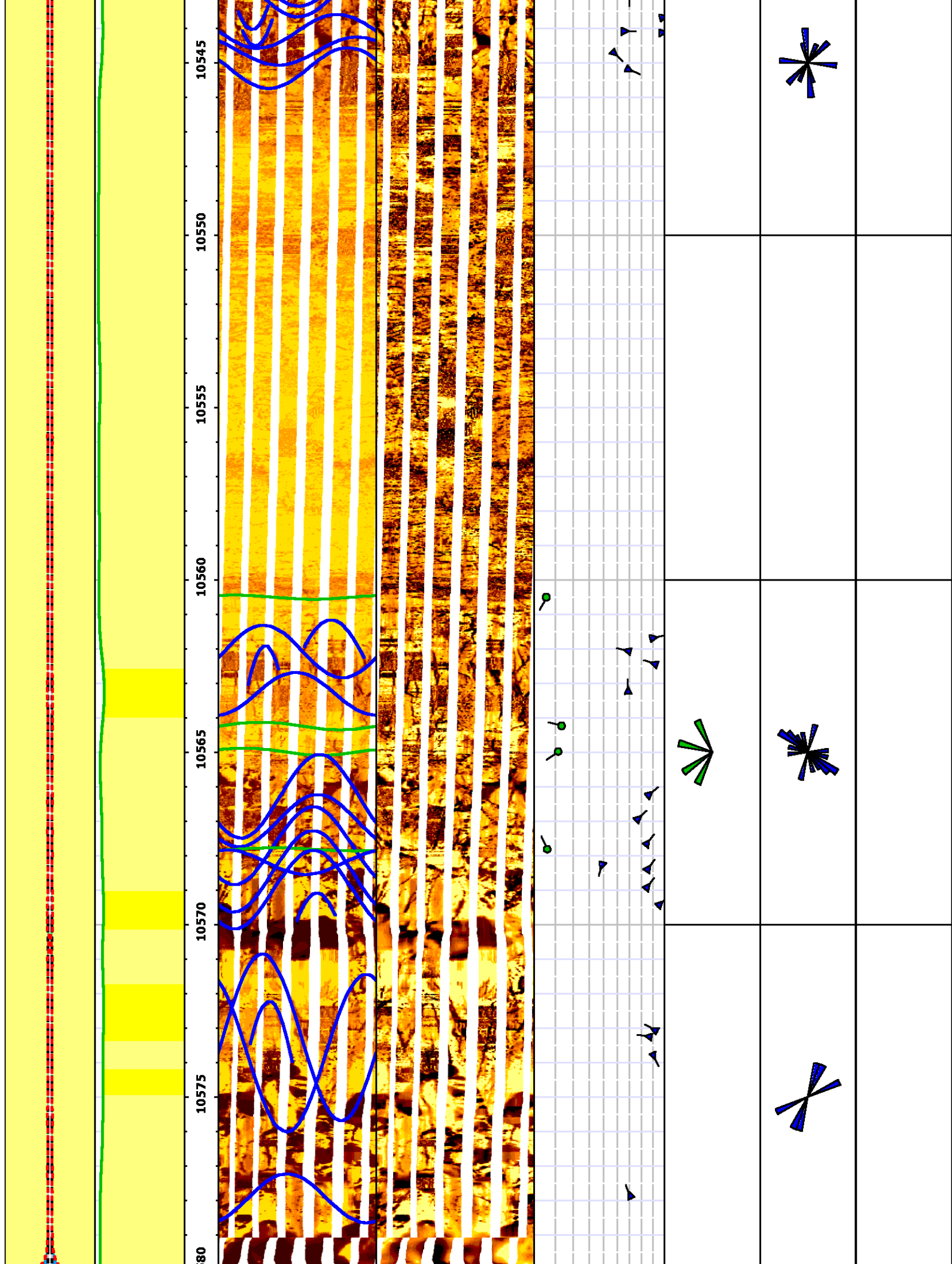


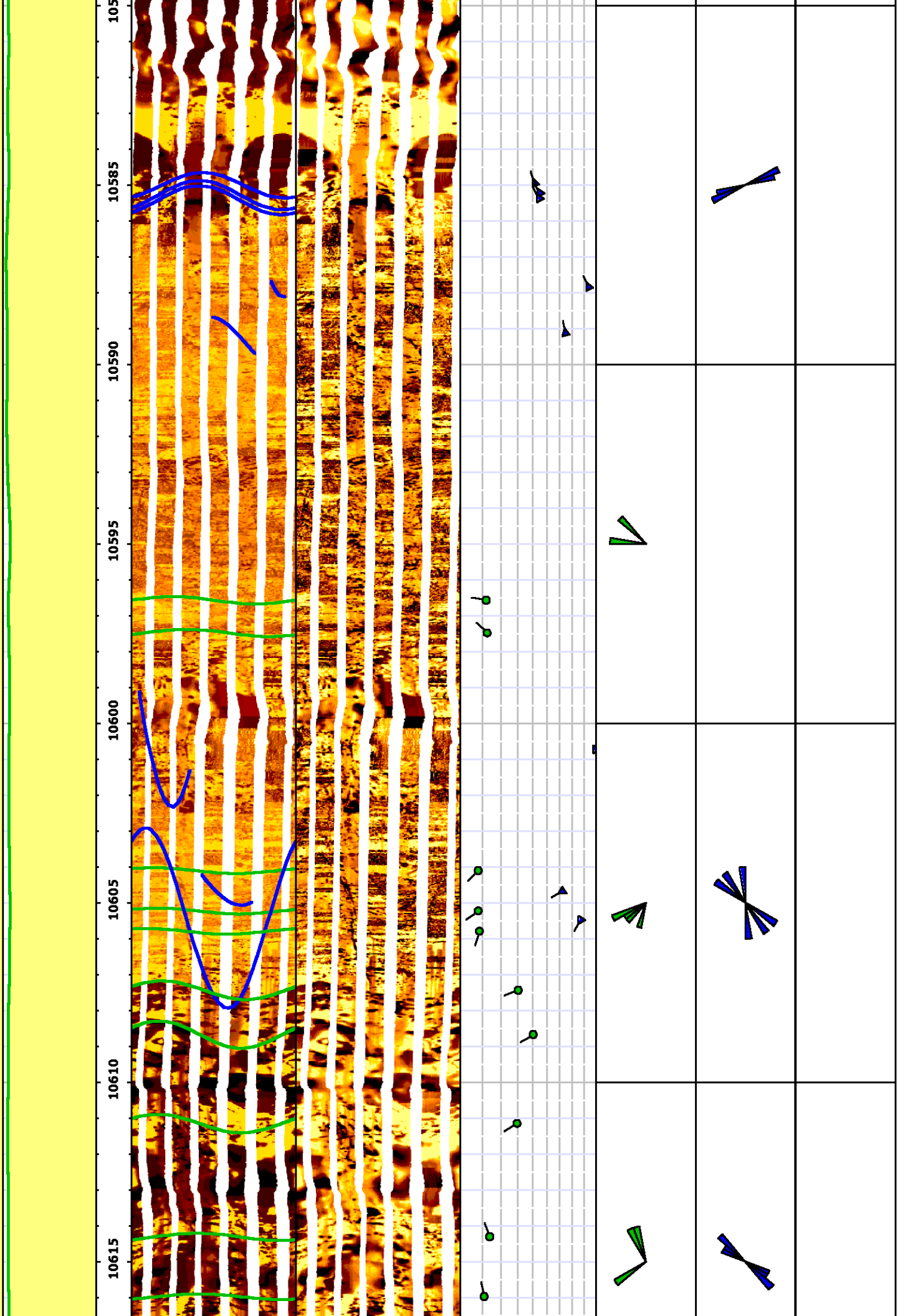
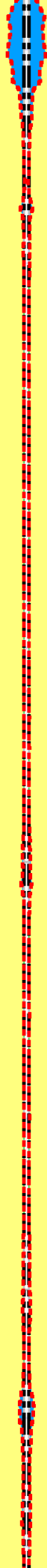


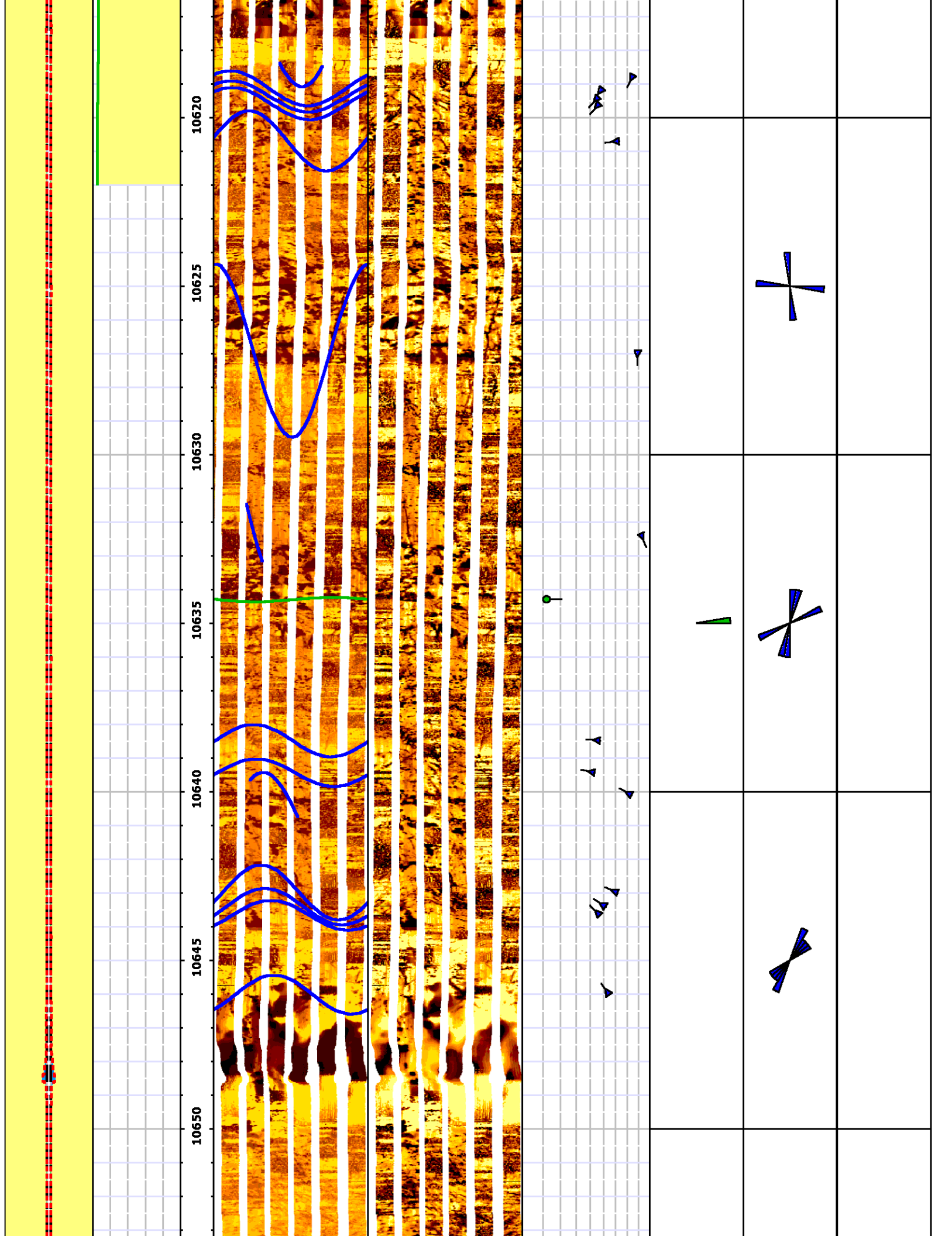


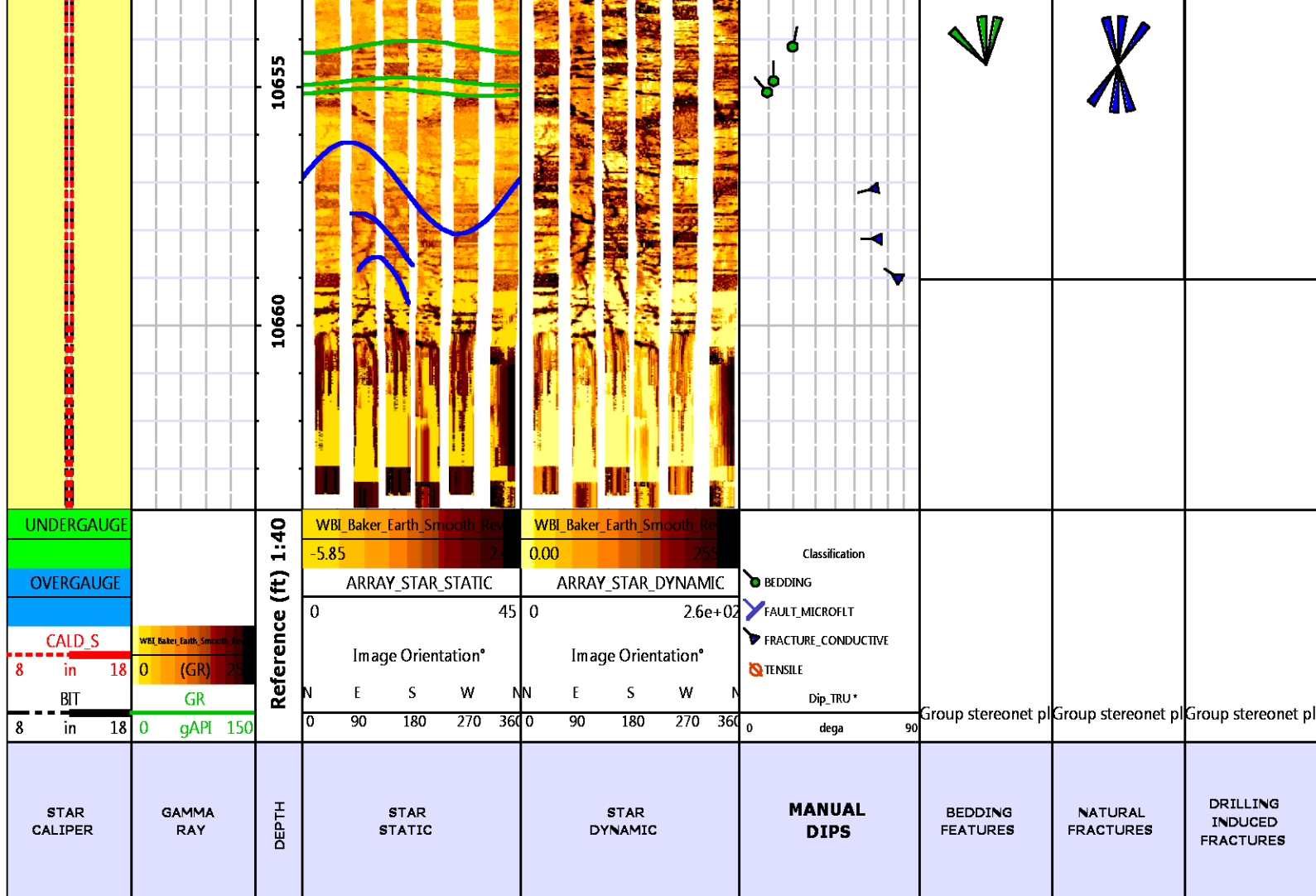












	COMPANY <u>HOLLY FRONTIER - NAVAJO</u> WELL <u>NAVAJO REFINING WDW #4</u> FIELD <u>ARTESIA</u> COUNTY <u>EDDY</u> STATE <u>NEW MEXICO</u>	FILE NO: _____ API NO: <u>30-015-44677</u>
	LOCATION: <u>SEE REMARKS</u>	ELEVATIONS: KB <u>3585.8 FT</u> DF <u>3584.8 FT</u> GL <u>3565.8 FT</u>
	LAT <u>32.81581400</u> LONG <u>-104.25003400</u>	DATE <u>9-AUG-2018</u>