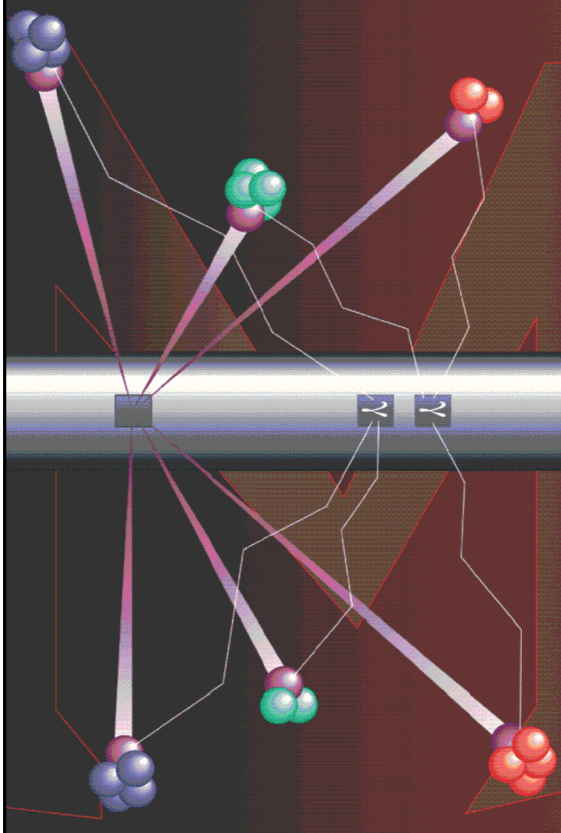


Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY II LLC

WELL SUP & SHEP 0993-25-19W

FIELD BUZZARD CREEK

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 25 TWP 9S RGE 93W

ELEVATIONS:

KB 8108 FT DF GL 8078 FT

DATE 13-MAR-2019 ECC US146493

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.

COMPUTATION PARAMETERS

COMPUTATION	LOGS USED: <u>RPM-C</u>			PROGRAM: <u>NEO</u>	
	CENTER: <u>CALGARY GEOSCIENCE</u>		LOG ANALYST: <u>A. KOTOV</u>		DATE: <u>18-MAR-2019</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>		ENGINEER: <u>ATUL GUPTA/US146493</u>		DATE: <u>13-MAR-2019</u>
FROM	TO				
<u>3097 FT</u>	<u>8731 FT</u>				

REMARKS

LOCATION:
SHL
LAT: 39.244873 N
LONG: 107.723223 W

TRAINING WELL: SUP & SHEP FEDERAL 25-11M

ANY ERRORS IN THE TRAINING WELL OPEN HOLE DATA CAN PERPETUATE TROUGH AS AN ERROR IN THE EMULATED RESULTS.

BOND LOG IS DEPTH REFERENCE LOG

NEO RESULTS FOR SUP & SHEP 0993-25-19W (G-SAND)

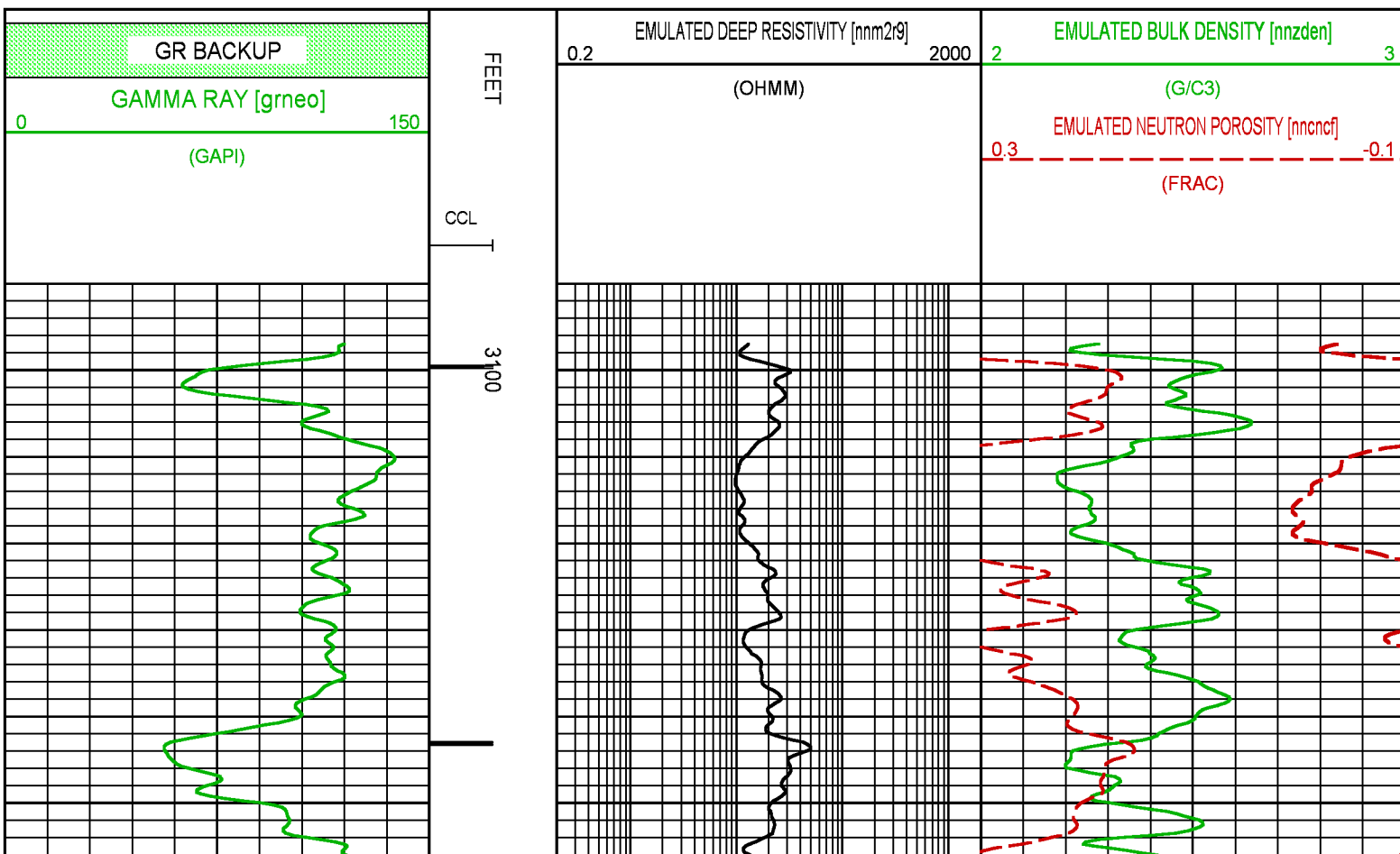
ECLIPS ECPlot from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

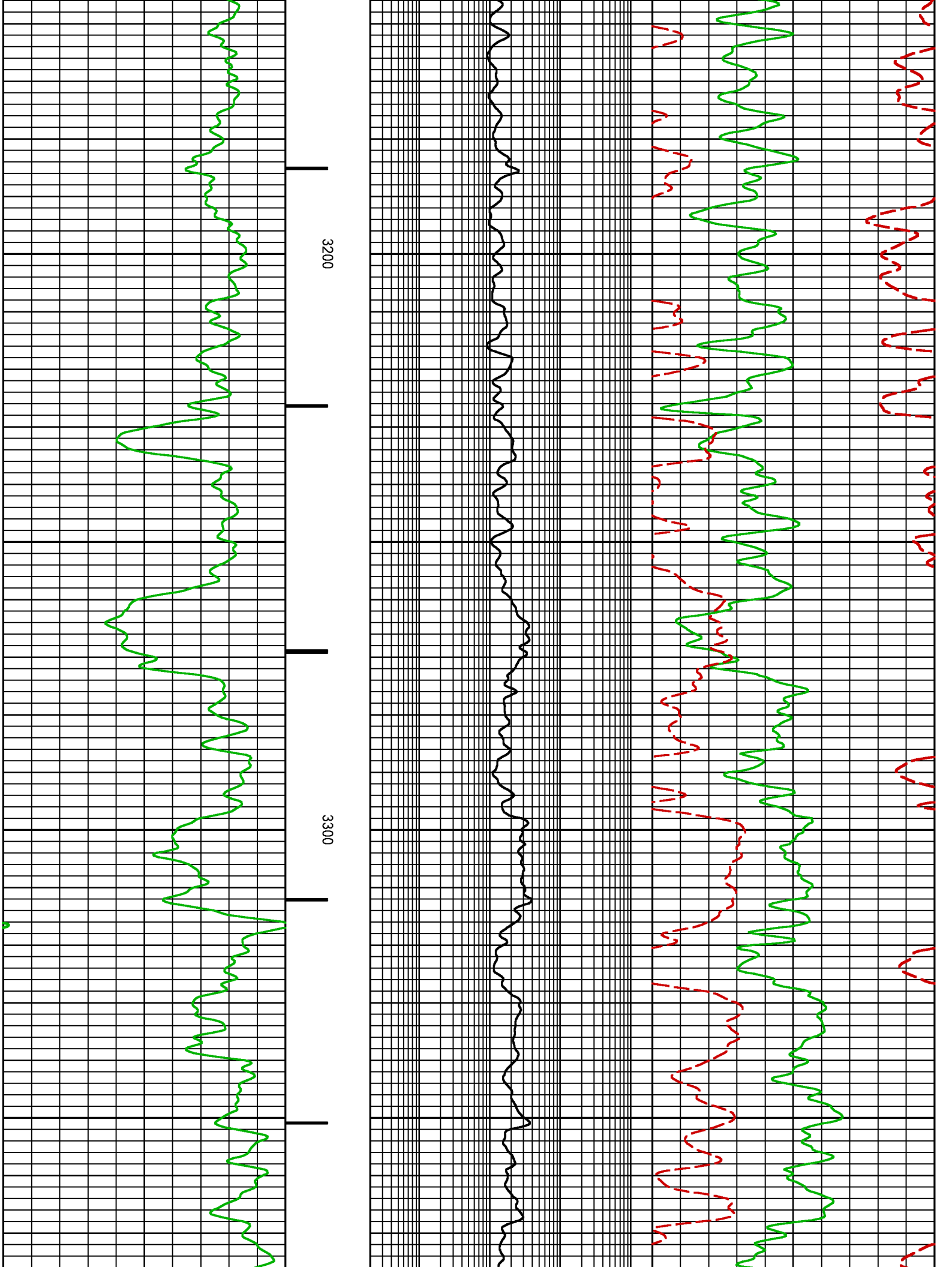
Plotted: Mon Mar 18 11:51:21 2019

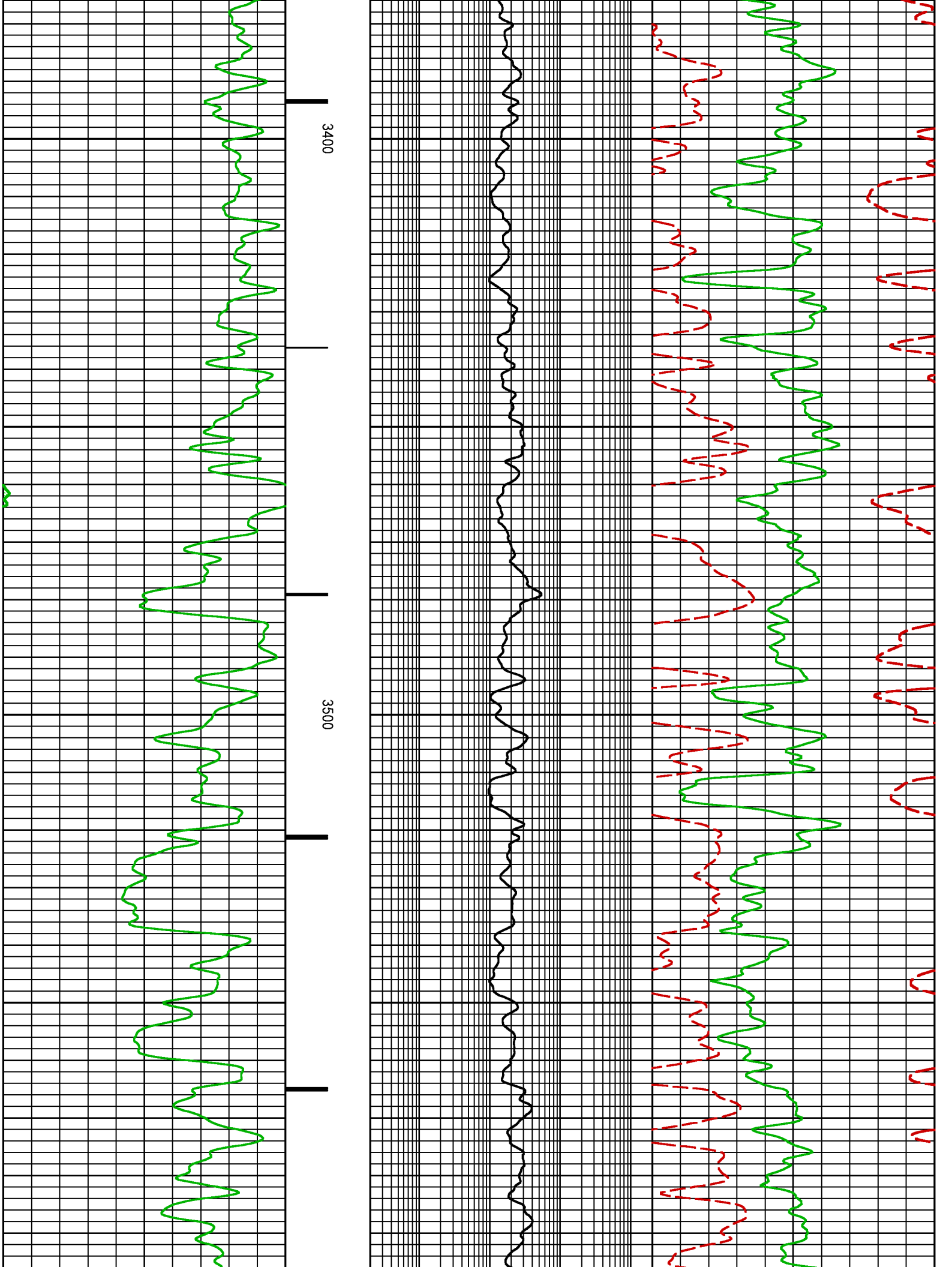
CURVE MEASURE POINT OFFSET

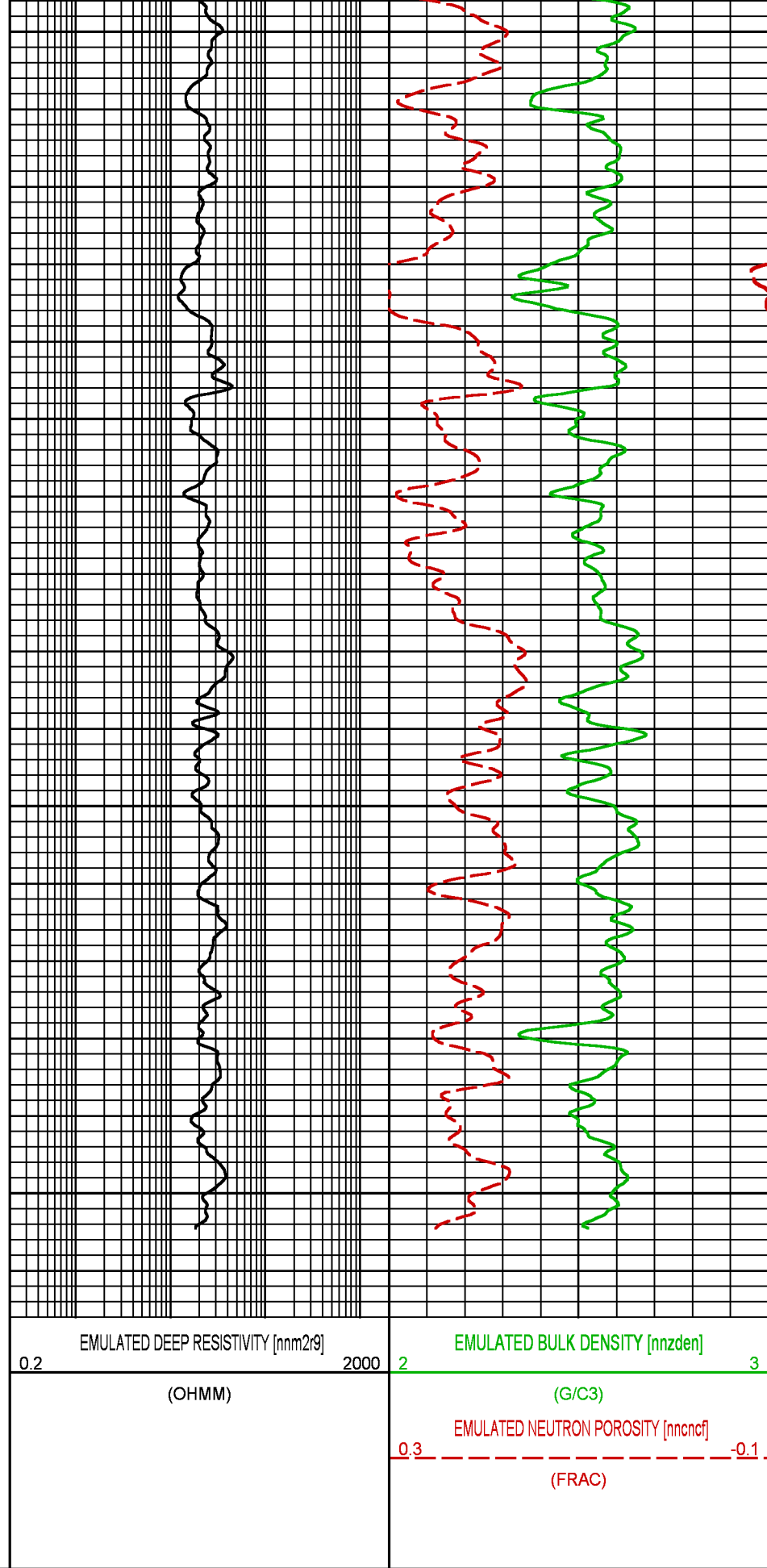
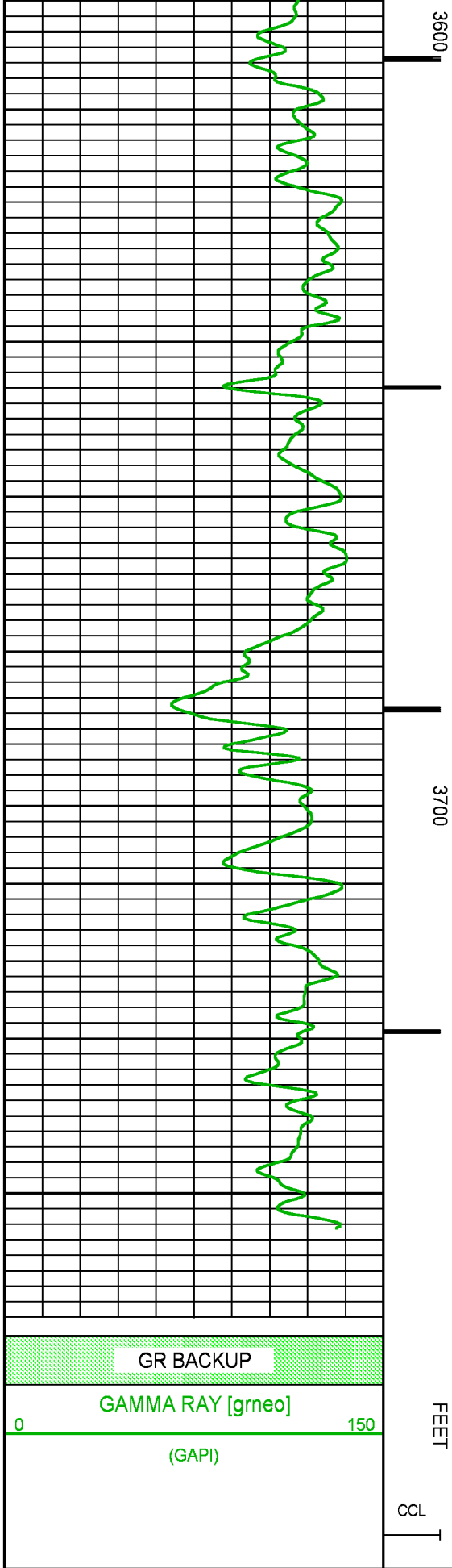
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

Project : NA
 User : kotoale
 Presentation : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_SUP_SHEP_FEDERAL_0993_25_19W_NEO\
 NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
 Plot Interval : 3090 - 3766 Feet
 Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_SUP_SHEP_FEDERAL_0993_25_19W_NEO\Merged_Set_Final.xtf
 Created On : Mar 18 11:45:42 2019
 Company : LARAMIE ENERGY LCC
 Well : SUP_SHEP 0993-25-19W
 Field : MESA COUNTY
 File Interval : 3097 - 8731 Feet
 OCT : NA









NEO RESULTS FOR SUP & SHEP 0993-25-19W(MAIN)

ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

Plotted: Mon Mar 18 11:51:19 2019

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

Project	: NA
User	: kotoale
Presentation	: BHI1F65XZ1:D:\Ape_Projects\LARAMIE_SUP_SHEP_FEDERAL_0993_25_19W_NEO\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
Plot Interval	: 5346 - 8755 Feet
Data File 1	: F1 : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_SUP_SHEP_FEDERAL_0993_25_19W_NEO\Merged_Set_Final.xtf
Created On	: Mar 18 11:45:42 2019
Company	: LARAMIE ENERGY LCC
Well	: SUP_SHEP 0993-25-19W
Field	: MESA COUNTY
File Interval	: 3097 - 8731 Feet
OCT	: NA

