**Schlumberger**

Company: Chevron U.S.A., Inc.
Well Name: JIP II AC 21-A
Field: Alaminos Canyon 21
County: State: Louisiana
Country: U.S.A.

## SLB EcoView. Solutions Plot.

Location Description: API Well Number: 608054007100
NAD27 15N, ft.
X = 1021448.00 ft
Y = 9774222.00 ft
Latitude 26 55' 23.84" N
Longitude 94 54' 0.04" W

| | | | | | |
|---|---|---|---|---|---|
| Elevations: Permanent Datum Elev: | 0.0 | ft | Kelly Bushing: | 0.0 | ft |
| Permanent Datum: | Mean Sea Level | | Drilling Floor: | 51.0 | ft |
| Depth Reference: | Driller'sDepth | | Ground/Sea Floor: | -4889.0 | ft |
| Log Measured From: | Drill Floor | | Height Above Datum: | 51.0 | ft |

| | | |
|---|---|---|
| Processing Date: | May 07 13:25 | |
| Acquisition Date: | May 03,09 | |
| Spud Date: | | |
| Total Depth: | 6700.0 | ft |
| Top Processed Interval: | 5050.0 | ft |
| Bottom Processed Interval: | 6620.0 | ft |
| Total Depth TVD: | | ft |
| Maximun Well Inclination: | | deg |
| Maximum Well Temperature: | 50 | degF |
| Acquisition Software: | Maxwell 1.1. | |
| Data File Name: | JIP_II_AC_21A_Arenite_Ecoview_iq.dlis | |
| Recorded By: | M. Brenson | |
| Processed By: | A. Peternell | |

Bit Size: 8.500 in
from: 4780.0 ft to: 6700.0 ft
Casing Size: in Weight: lbm/ft
from: ft to: ft
Casing Bottom Schlumberger: ft

Type Fluid in Hole: Sea water
Dens: 8.53 lbm/gal Vis: s
pH: Fluid Loss: in3
Sample Source:
Rm: 0.230 Ohm.m @ 57 degF
Rmf: 0.150 Ohm.m @ 57 degF
Rmc: Ohm.m @ degF
Borehole Salinity: 37.527 ppk

All interpretations using EcoView , and all recommendations or reservoir descriptions based upon such interpretations, are opinions based on inferences from measurements and empirical relationships and on assumptions, which inferences and assumptions are not infallible, and with respect to which competent specialists may differ. In addition, such interpretations, recommendations and reservoir descriptions may involve the opinion and judgement of Customer. Customer has full responsibility for all interpretations, recommendations and reservoir descriptions utilizing EcoView.

Schlumberger does not warrant the accuracy, correctness or completeness of any interpretation, recommendation or reservoir description.

## Algorithm Options

| Resistivity | Density | Neutron | Hole Size | FSAL | Water Saturation | Matrix Sigma |
|---|---|---|---|---|---|---|
| Blended | Image Derived | Average | Best Caliper | FSAL Parameter | Waxman Smits Equation | From Elements |

## Formation Zone Parameters

| No. | Zone Name | Depth | | Formation Properties | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Top (ft) | Bottom (ft) | Water Salinity (ppk) | CEC (meq/g) | Hydrocarbon Viscosity (cP) | Hydrocarbon Sigma (cu) | Sigma Clay (cu) | Temperature at Top (g/cm3) | Temperature at Bottom (ft3/ft3) |
| 1 | FZone_1 | 5050.0 | 6614.5 | 37.000 | 0.300 | 0.500 | 12.000 | 30.000 | 1.900 | 0.450 |

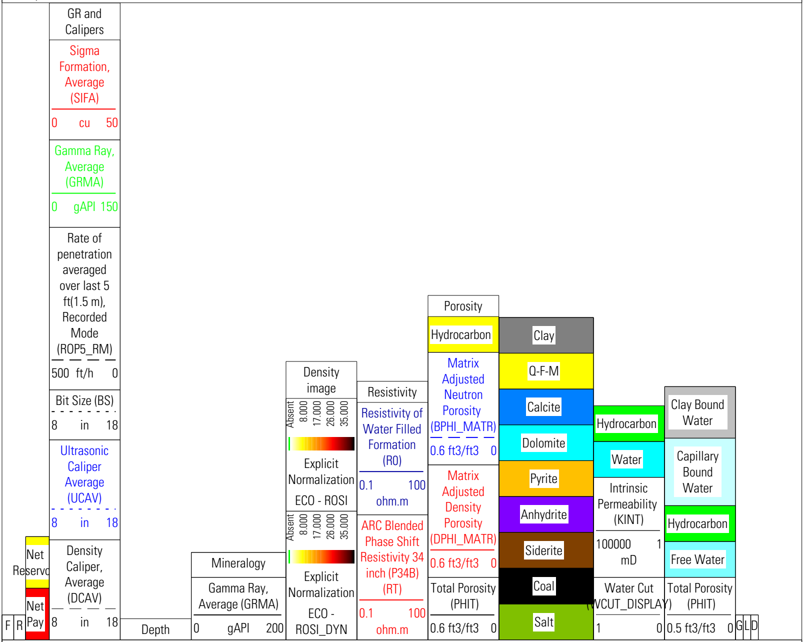
## Reservoir Zone Parameters

| No. | Zone Name | Depth | | Cutoffs | | | |
|---|---|---|---|---|---|---|---|
| | | Top (ft) | Bottom (ft) | Max V_Clay (ft3/ft3) | Min Porosity (ft3/ft3) | Min Permeability (mD) | Max Sw (ft3/ft3) |
| 1 | RZone_1 | 5050.0 | 6614.5 | 0.350 | 0.299 | 50.000 | 0.500 |

## Reservoir Summation

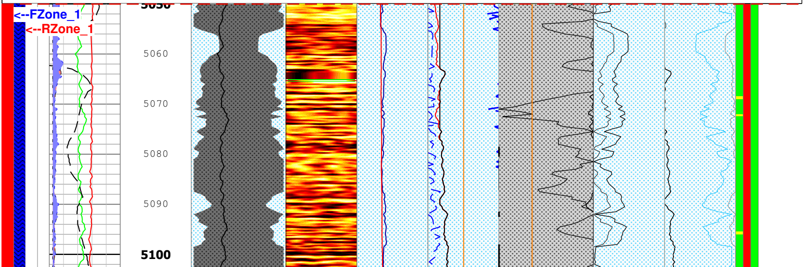
| No | Zone Name | Depth |  | Reservoir |  |  | Pay |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|
|  |  | Top<br>(ft) | Bottom<br>(ft) | Net Thickness<br>(ft) | Average Porosity<br>(ft3/ft3) | Average Perm<br>(mD) | Net Thickness<br>(ft) | Average Porosity<br>(ft3/ft3) | Average Perm<br>(mD) | Average Sw<br>(ft3/ft3) |
| 1 | RZone_1 | 5050.0 | 6614.5 | 133.500 | 0.434 | 3566.002 | 0.000 |  |  |  |

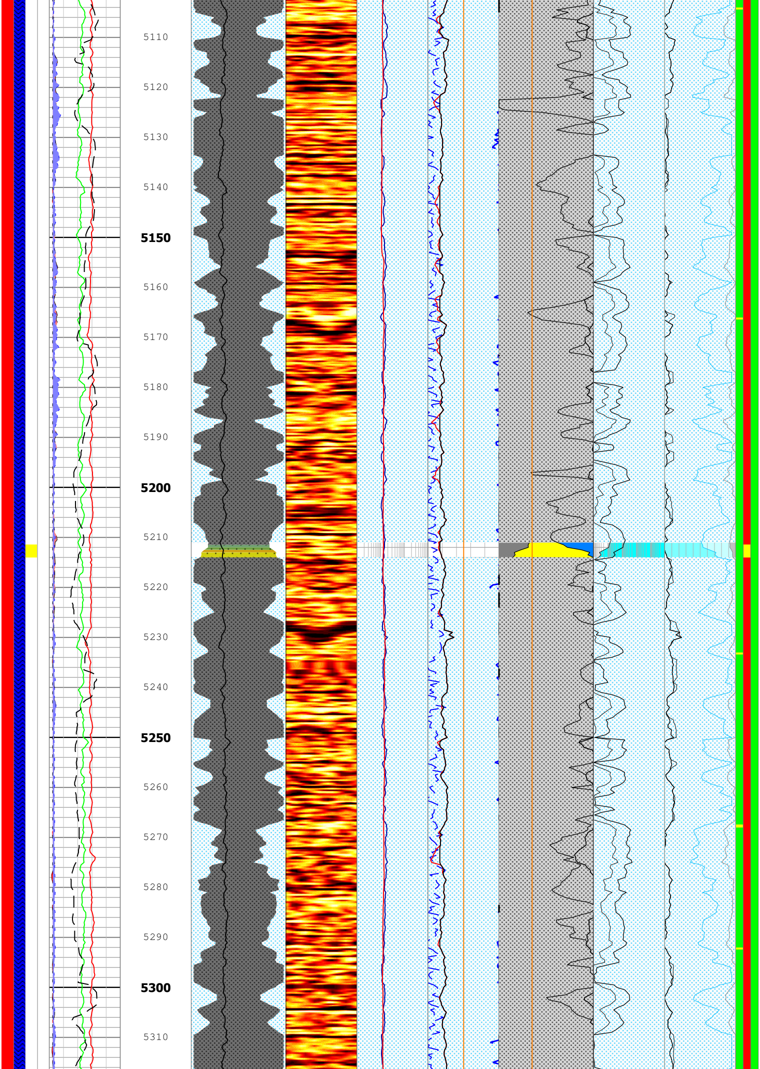
Description: EcoView Driller's Display Format: EcoView_DrillerDisplay.xml Index Scale: 1:240 Index Unit: ft Index Type: Measured Depth Creation Date: 22-May-2009 10:09:04

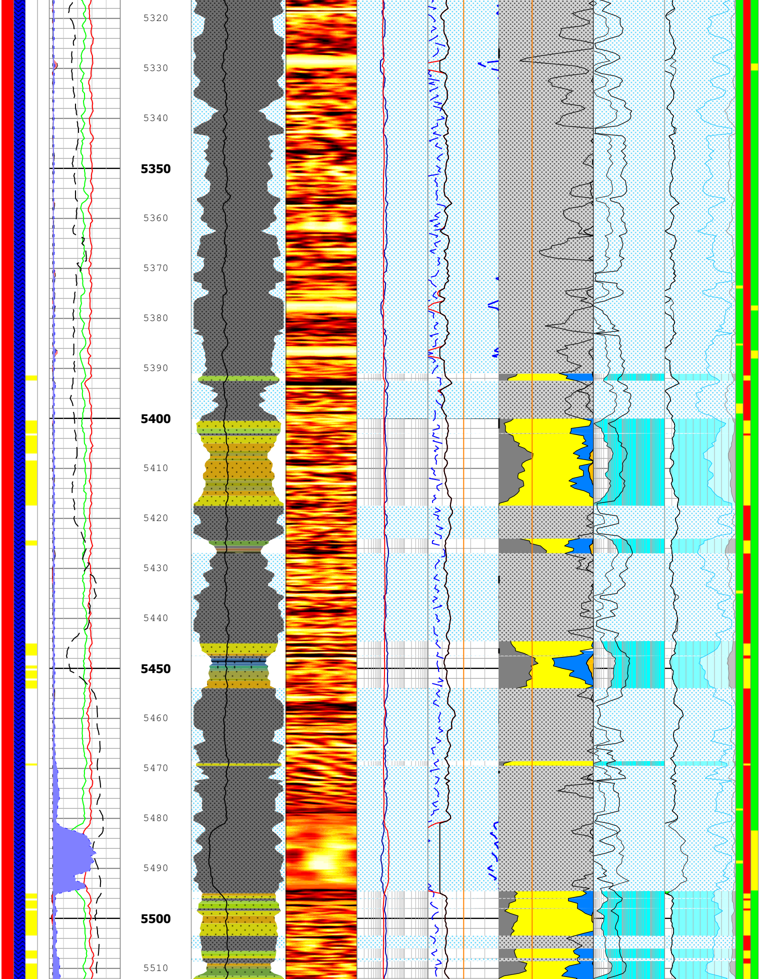


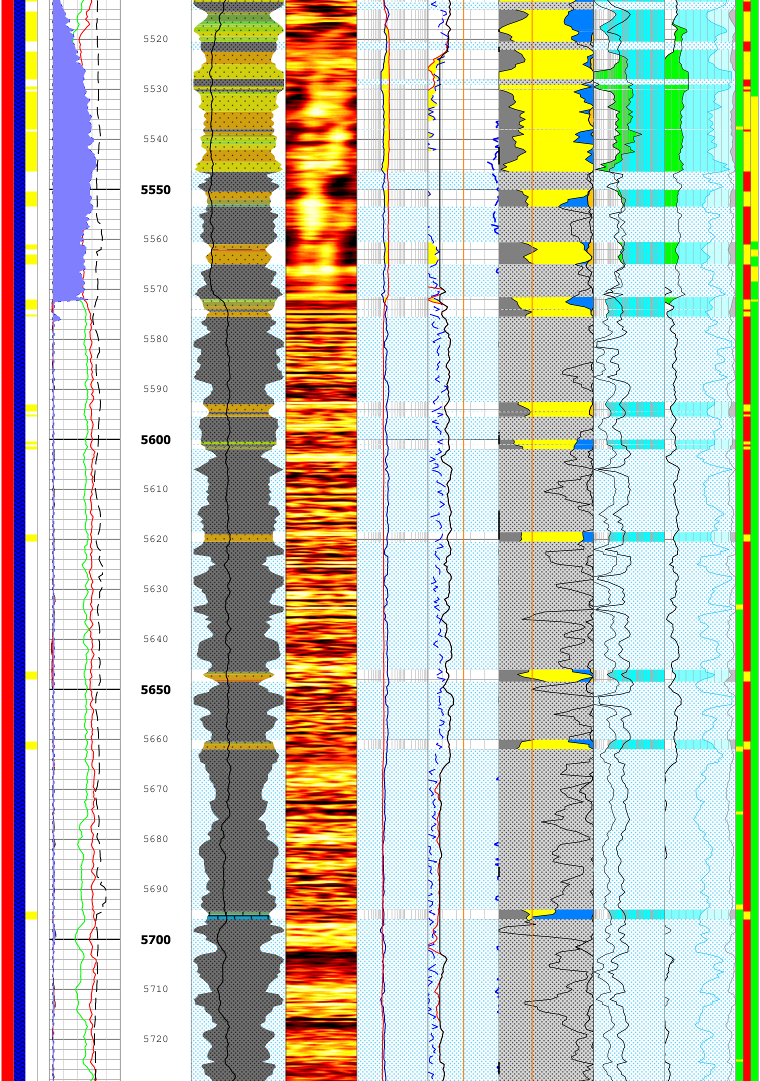
*** Quality Flag Descriptions for EcoView Computations ***

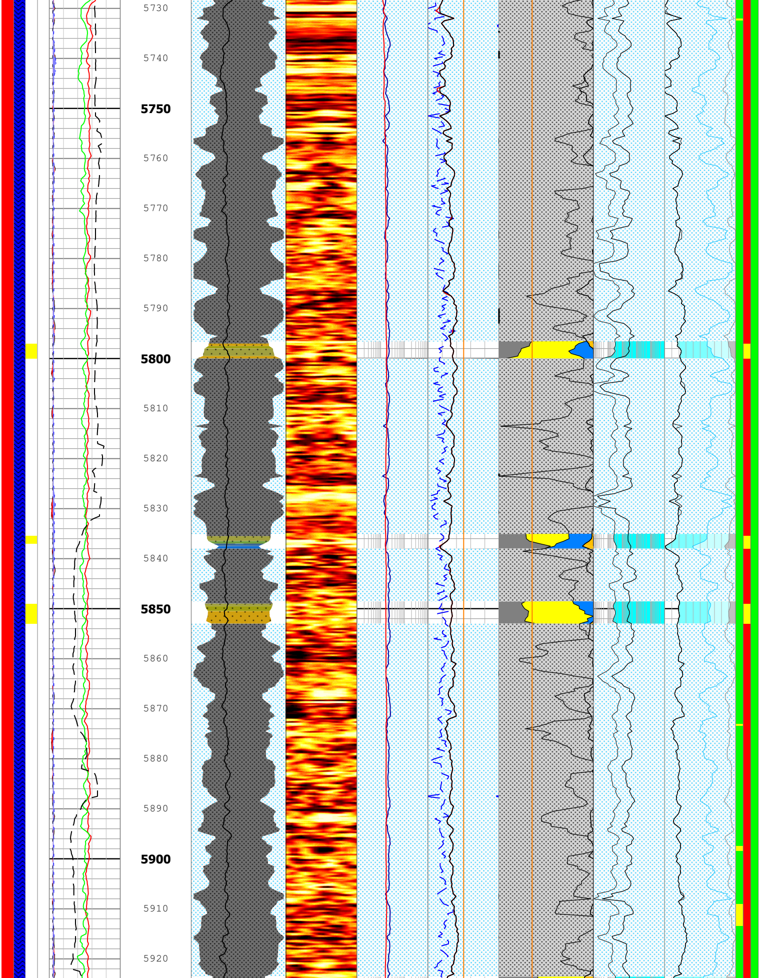
White = Absent; Green = Reliable; Yellow = Warning; Gray/Red = Data outside of EcoView tolerance specifications.
LQC Tracks: G: Gamma Ray U: Ultrasonic Caliper L: Spectroscopy D: Density

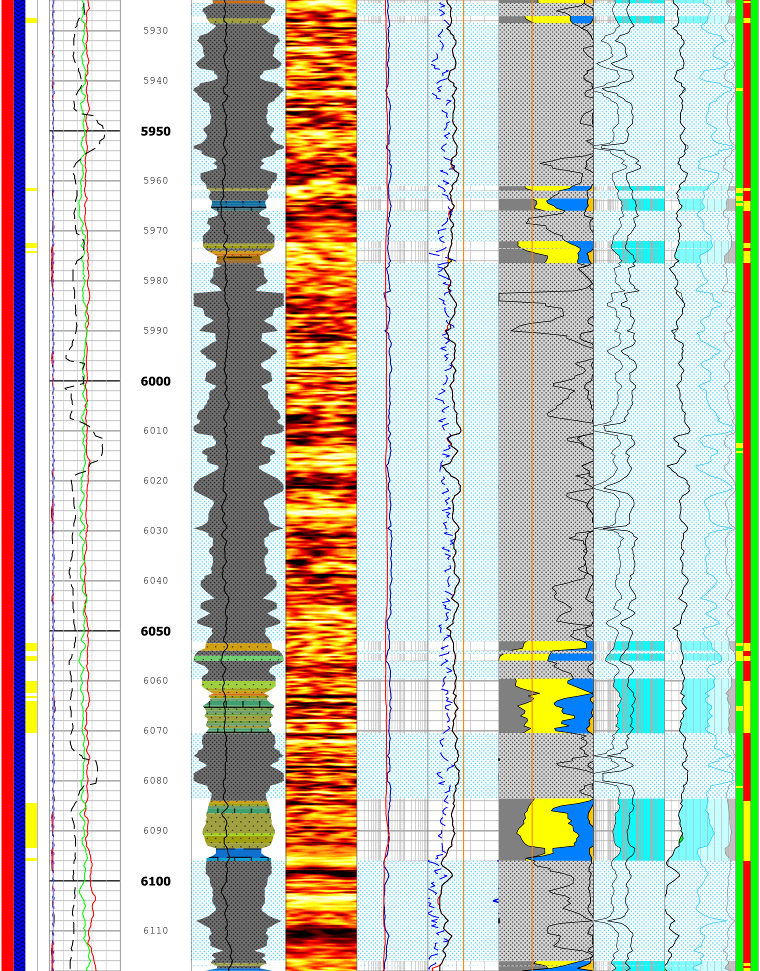


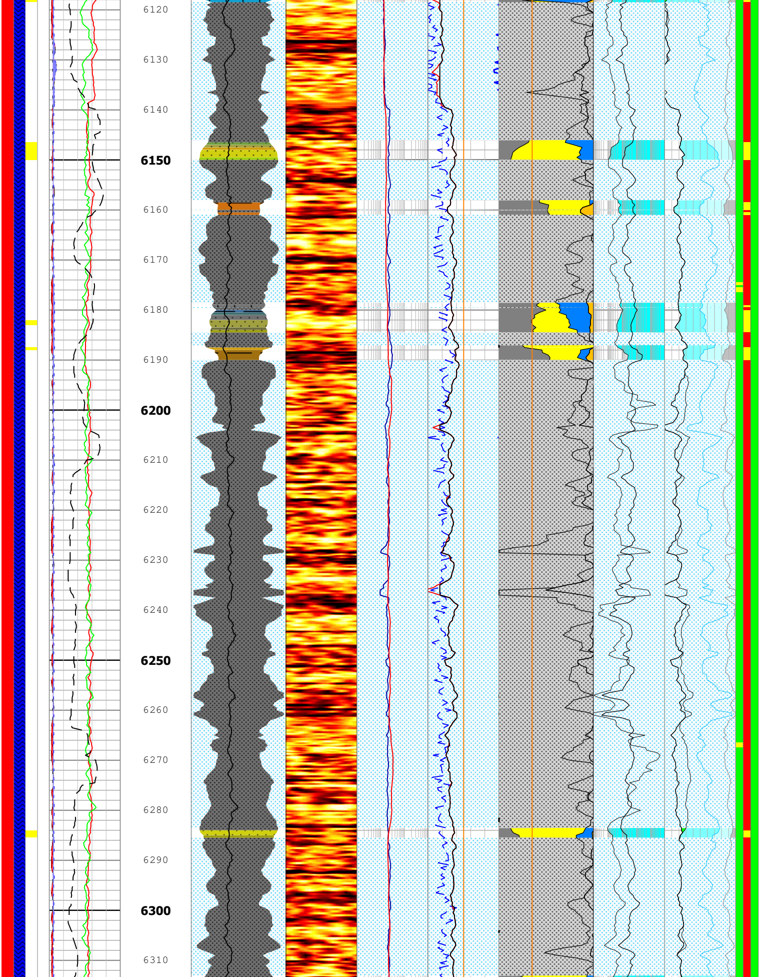


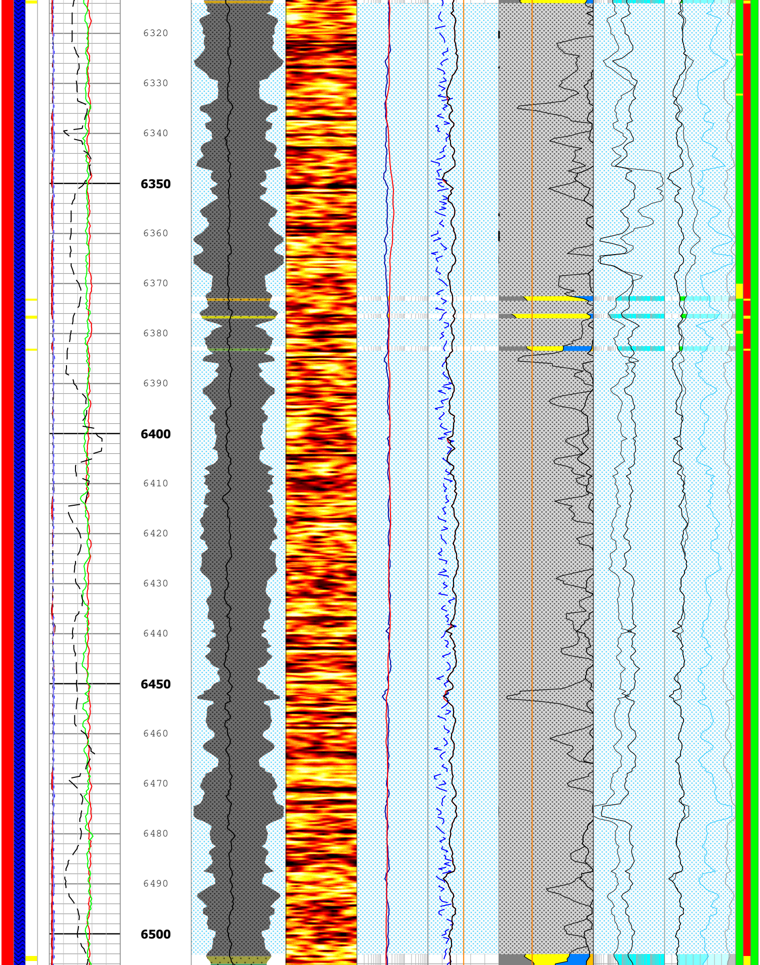


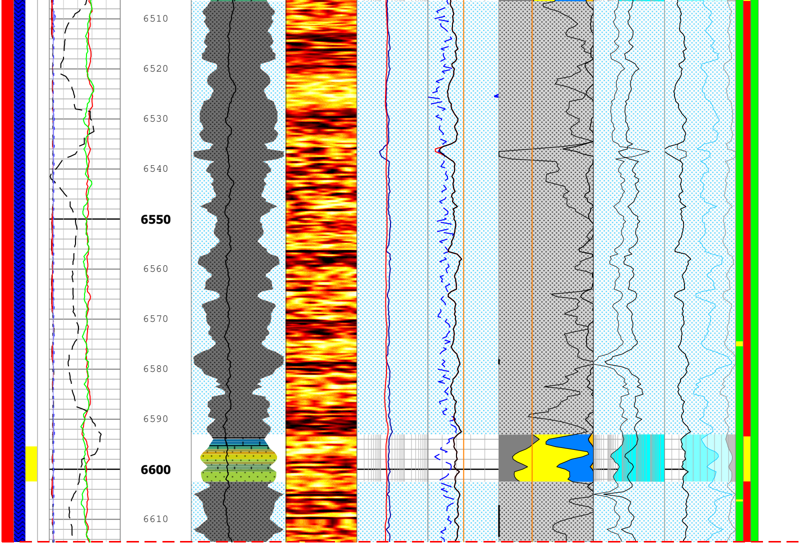












| User Comments |
|---|
| 1) Spectroscopy is the main driver in the Solutions-Quicklook plot. All other measurements presented are computed from spectroscopy volumes.<br>2) ROP caused poor statistics in the elemental spectroscopy measurements.<br>3) Elemental spectroscopy was allowed for visualization regardless of the data quality, as most of the interval is flagged outside of tolerance. |

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|---|---|
| Company: | **Chevron U.S.A., Inc.** |
| Well: | **JIP II AC 21-A** |
| Field: | **Alaminos Canyon 21** |
| County: | |
| State: | **Louisiana** |

**JIP_II_AC_21A_Arenite_Ecoview_iq.dlis**
**Schlumberger EcoView**