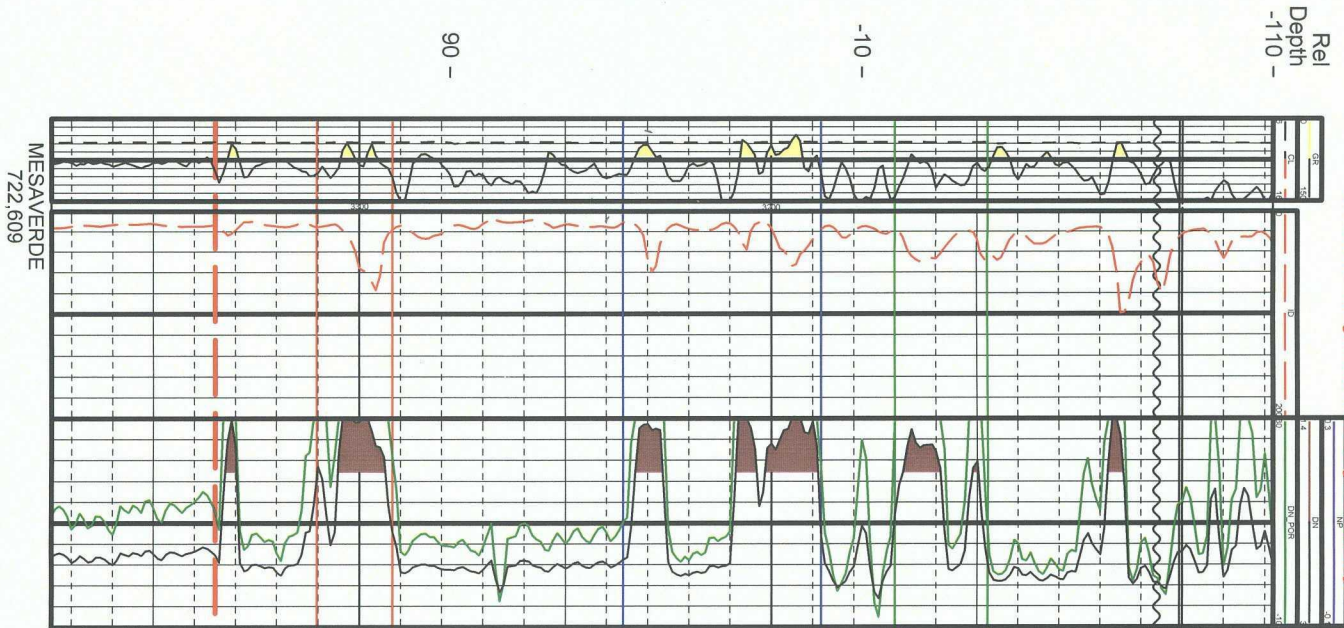


NW

A

Nordhaus #4A
30045269710000
T31N R9W S12

Gamma Ray-Resistivity-Density



<3,694FT>

FRLD channel sand

Ignacio zone

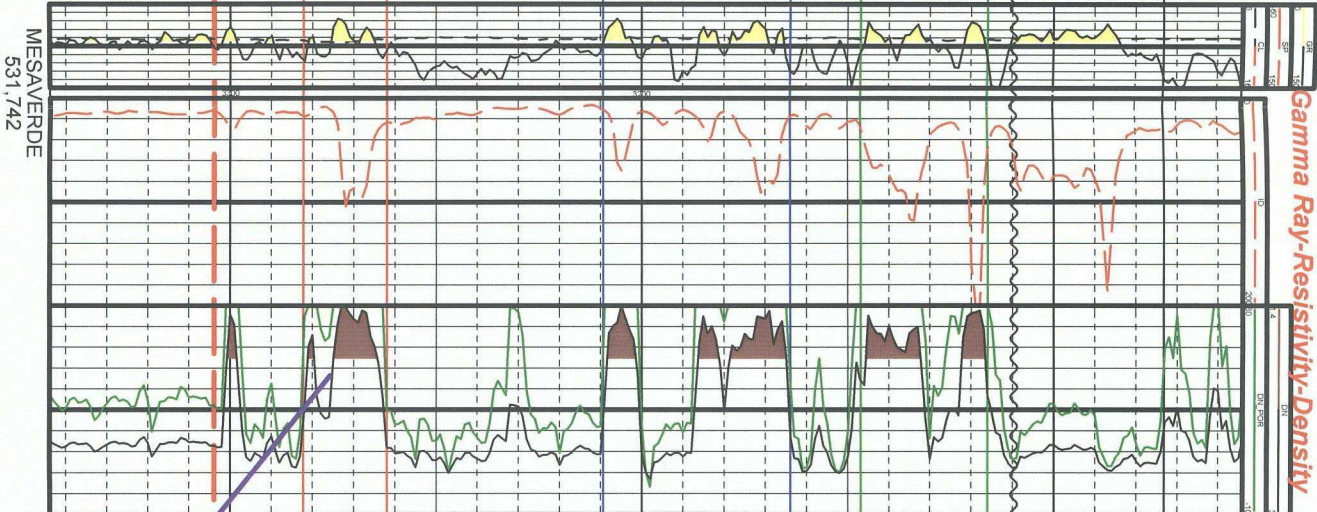
Cottonwood zone

Cahn zone

Pictured Cliffs Sandstone

Quinn #5-A
30045243670000
T31N R8W S18

Gamma Ray-Resistivity-Density

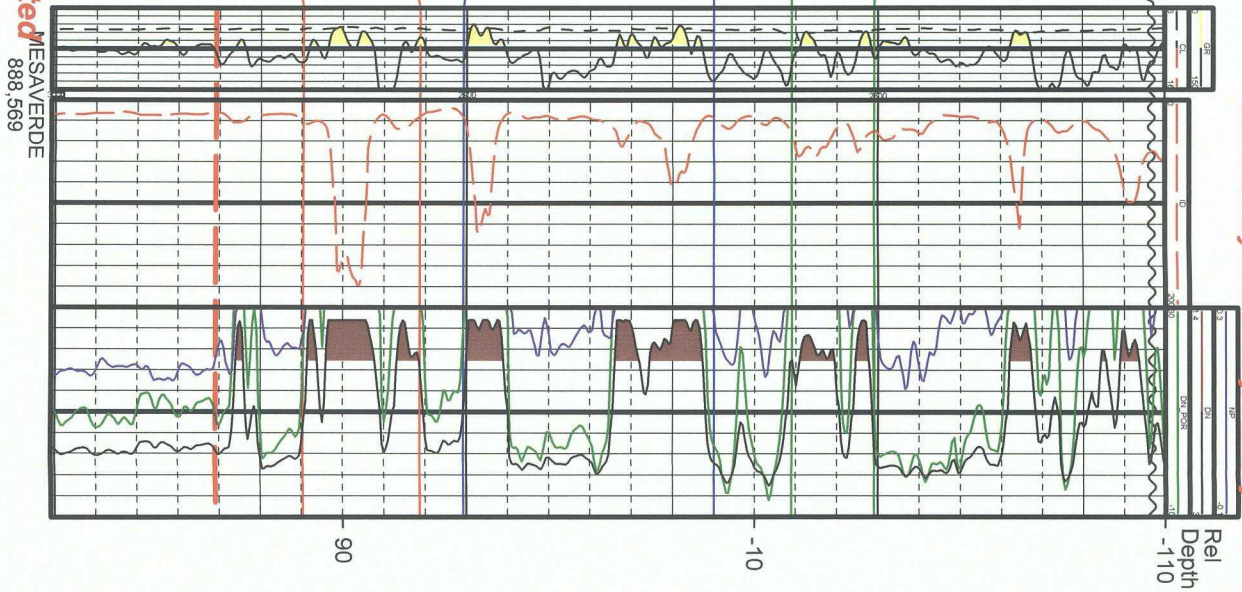


<2,500FT>

Density curve < 1.75 gm/cc highlighted

Quinn #8A
30045267650000
T31N R8W S18

Gamma Ray-Resistivity-Density



SE

A'

Stratigraphic Cross section (datum=Cottonwood zone): FRLD coal distribution

BP
BP America Production Company

NMOCD Case No. 13841 De Novo

Exhibit #4

Stratigraphic Cross section

Fruitland (FRLD) coal interval

Note the continuity of the coal zones
with an approximate 160 spacing.
Not all wells in section produce from FRLD coal.

By: J. M. Perkins

May 8, 2007 4:49 PM