Northwest

Southeast

Dekalb Energy
Wagon Trail 44-11
sec. 11, T. 9 S., R. 98 W.
GR   C

Coors Energy
De Beque 1-8
sec. 8, T. 9 S., R. 97 W.
GR   C

Koch Exploration
Horseshoe Canyon 1-17
sec. 17, T. 9 S., R. 97 W.
GR   C

Koch Exploration
Horseshoe 1-21
sec. 21, T. 9 S., R. 97 W.
GR   C

Alta Energy
Alta #23-1
sec. 23, T. 9 S., R. 97 W.
GR   C

Norris Oil
Fed 26-1
sec. 26, T. 9 S., R. 97 W.
GR   C

Norris Oil
Fed 36-2
sec. 36, T. 9 S., R. 97 W.
GR   C

Compass Exploration
Shire Gulch #1
sec. 6, T. 10 S., R. 96 W.
GR   C

Flying Diamond
Fed 10-1
sec. 10, T. 10 S., R. 96 W.
GR   C

Norris Oil
Currier 14-2
sec. 14, T. 10 S., R. 96 W.
GR   C

Flying Diamond Oil
Nichols 13-1
sec. 13, T. 10 S., R. 96 W.
GR   C

Bow Valley Petroleum
Reed 20-3
sec. 20, T. 10 S., R. 95 W.
GR   C

Rollins SS   Member

Cozzette SS   Member

Cozzette SS   Member

Corcoran   Member

Corcoran SS   Member

Mancos Shale

Mancos Shale

1.8 mi   1.6 mi   1.3 mi   1.2 mi   1.2 mi   1.2 mi   0.7 mi   3.5 mi   1.6 mi   1.3 mi   1.7 mi

Depositional Interpretations

Coastal plain, fluvial sandstone, mudrock, carbonaceous shale, and coal

Tidal, fluvial, and lagoonal sandstone and mudrock

Upper shoreface sandstone

Lower shoreface/offshore sandstone and mudrock

Marker bed

Index Map

108°30'   108°   107°30'

MESA CO
(part)

Colorado
Piceance Basin
Study area

Drill-Hole Information

Well-log information

Norris Oil
Federal 1
sec. 1, T. 1 S., R. 111 W.

Company
Well name
Location

GR   C

Trace of Natural-gamma
(gamma ray) log (GR) and
Conductivity log (C); values
increase to the right

Distance between data points

GR   GR

Distance
between drill
holes (in
miles)

5 mi

Oil and gas production

Perforated zone

Cored interval

Click here to return to
Chapter 6

Koch Exploration
Horseshoe 1-21
sec. 21, T. 9 S., R. 97 W.

Feet
3020
3030
3040
3050
3060
3070
3080
3090
3100
3110
3120
3130
3140
3150
3160
3170

Inoceramus prisms
Inoceramus prisms
Inoceramus prisms

P

0.1 ft coal

Comparison of core
to gamma log

Note: Depths marked on core are
about equal to depths on well log.

Link to explanation
for core description

Figure 2-1. Graphic log of core of the Cozzette Sandstone Member for the 3,020–3,173 ft level in the Koch Exploration Horseshoe 1-21 well.

STRATIGRAPHIC CROSS SECTION OF THE ILES FORMATION AND UPPER PART OF THE MANCOS SHALE IN THE BRONCO FLATS, DEBEQUE, SHIRE GULCH, AND PLATEAU FIELDS IN THE SOUTHERN PICEANCE BASIN, COLORADO

By

Mark A. Kirschbaum

2002