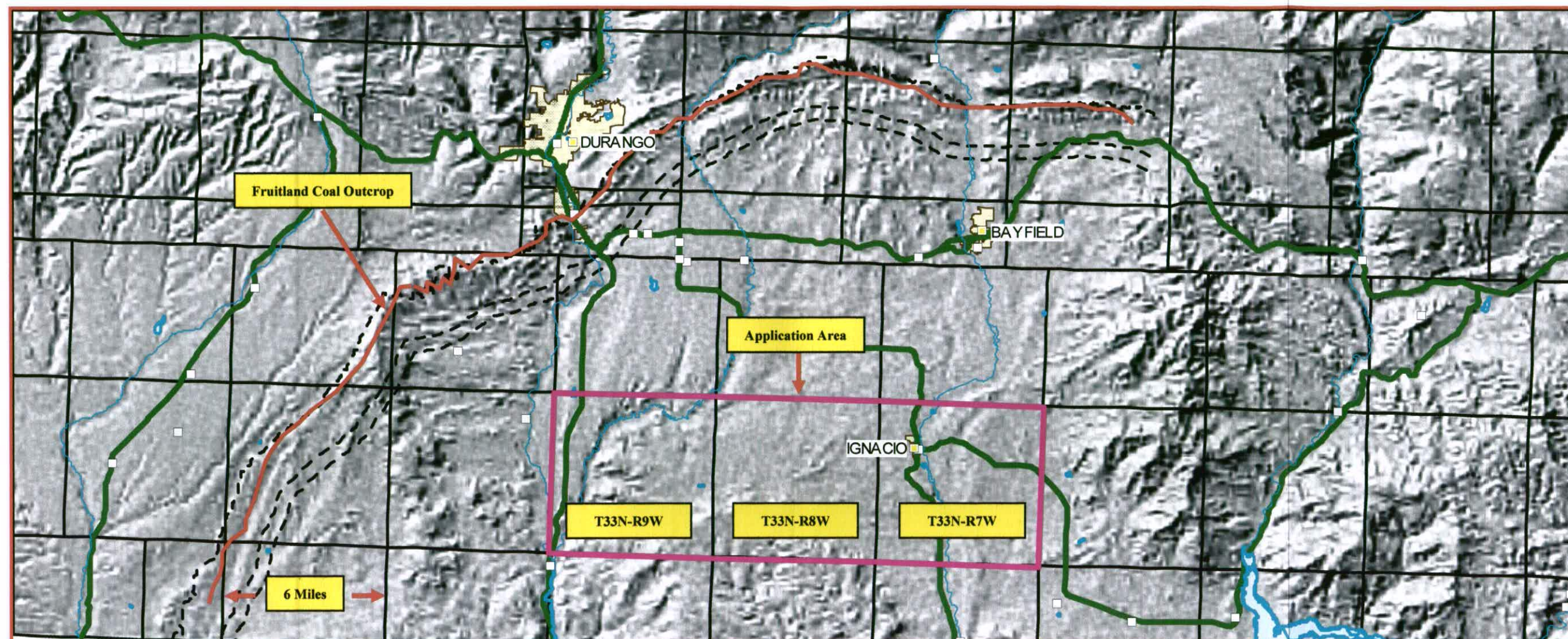
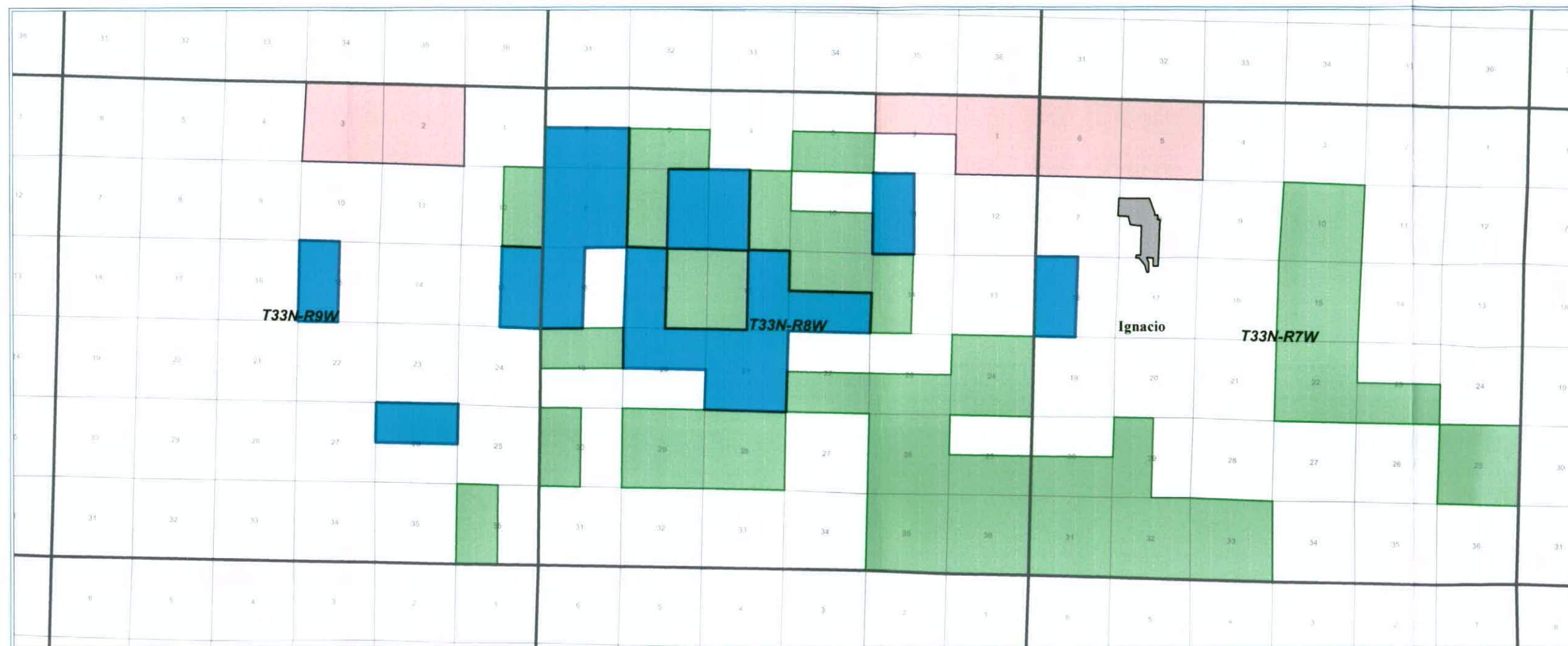


112-195



Elm Ridge Exploration Company, LLC
Application Area Locator Map
La Plata County, Colorado



Elm Ridge Exploration Co., LLC

80 Acre Infill Application Area

Application Area

T33N - R7, 8 & 9W

La Plata County, Colorado

REMARKS

Blue = Elm Ridge Appl. Area

Green = Samson Appl. Area

Pink = BP America Appl. Area

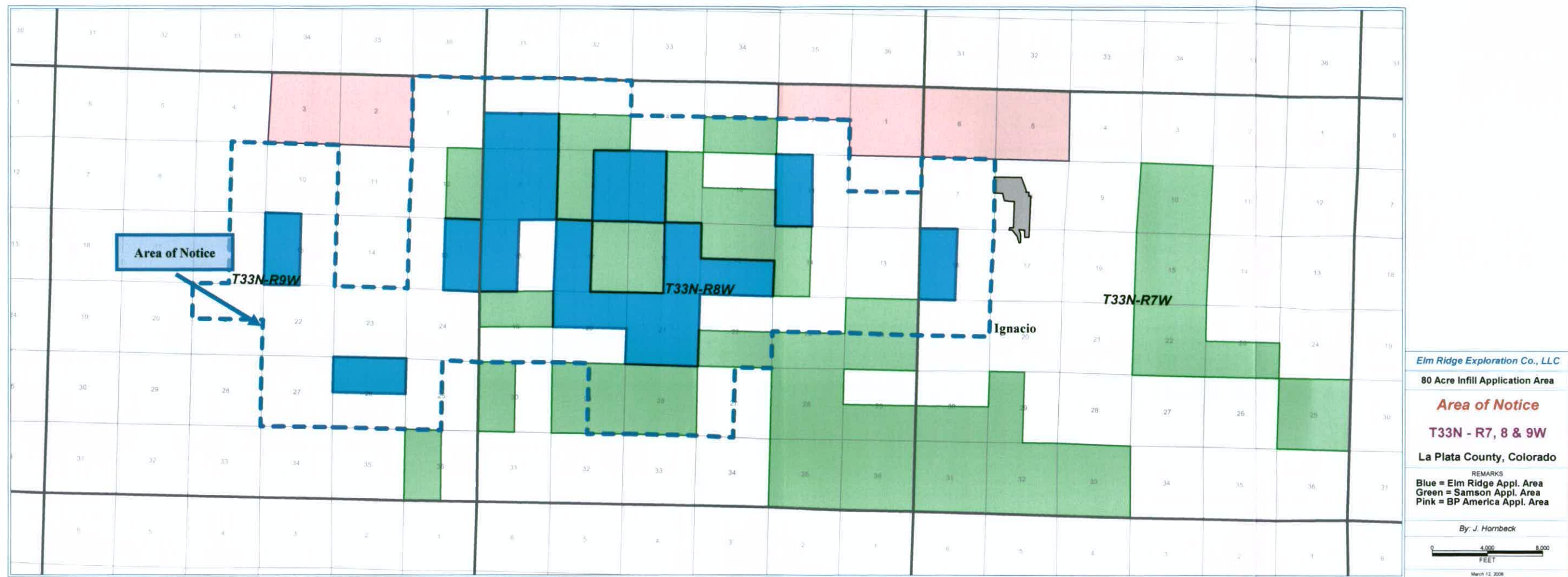
By: J. Hornbeck

0 4,000 8,000

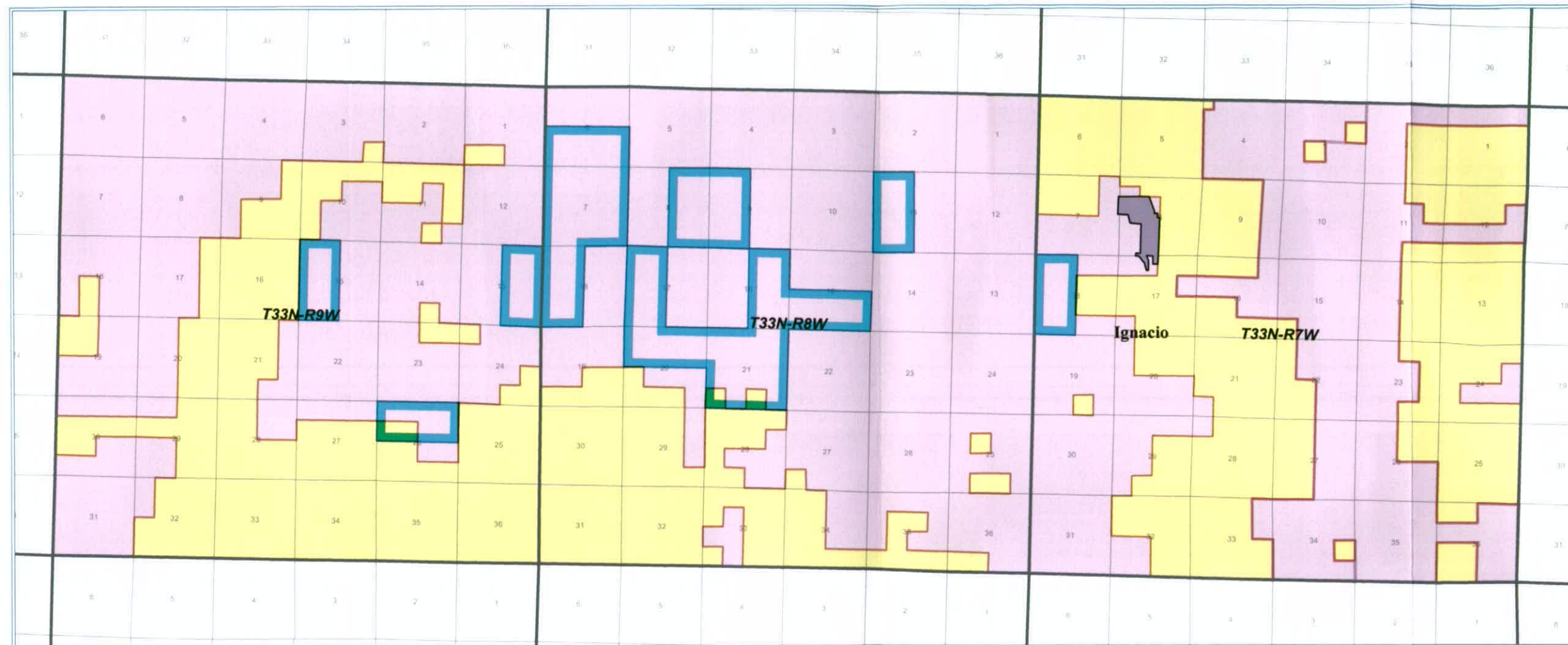
FEET

March 12, 2008

Application Area
T33N-R7, 8 & 9W
 La Plata County, Colorado



Area of Notice
T33N-R7, 8 & 9W
La Plata County, Colorado



Elm Ridge Exploration Co., LLC

80 Acre Infill Application Area

Surface Ownership

T33N - R7, 8 & 9W

La Plata County, Colorado

REMARKS

Blue Outline = Elm Ridge Appl. Area

Yellow = So. Ute Indian Surface

Purple = Fee Surface

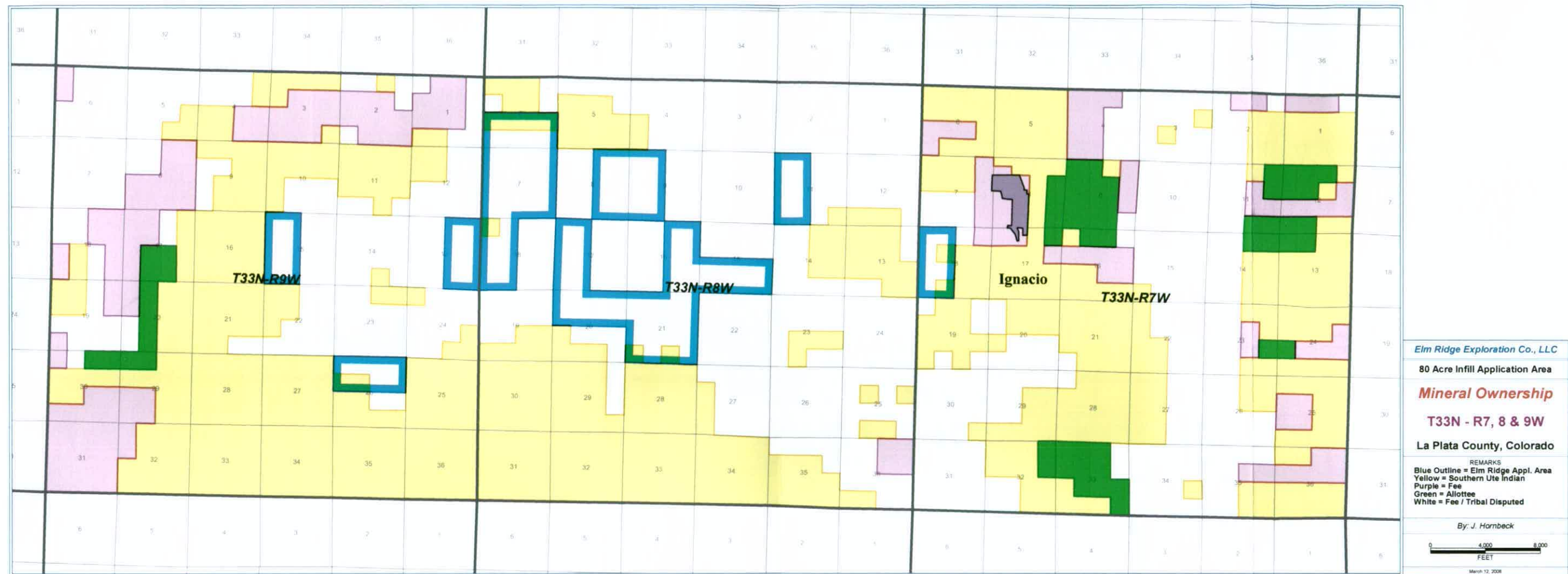
By: J. Hornbeck

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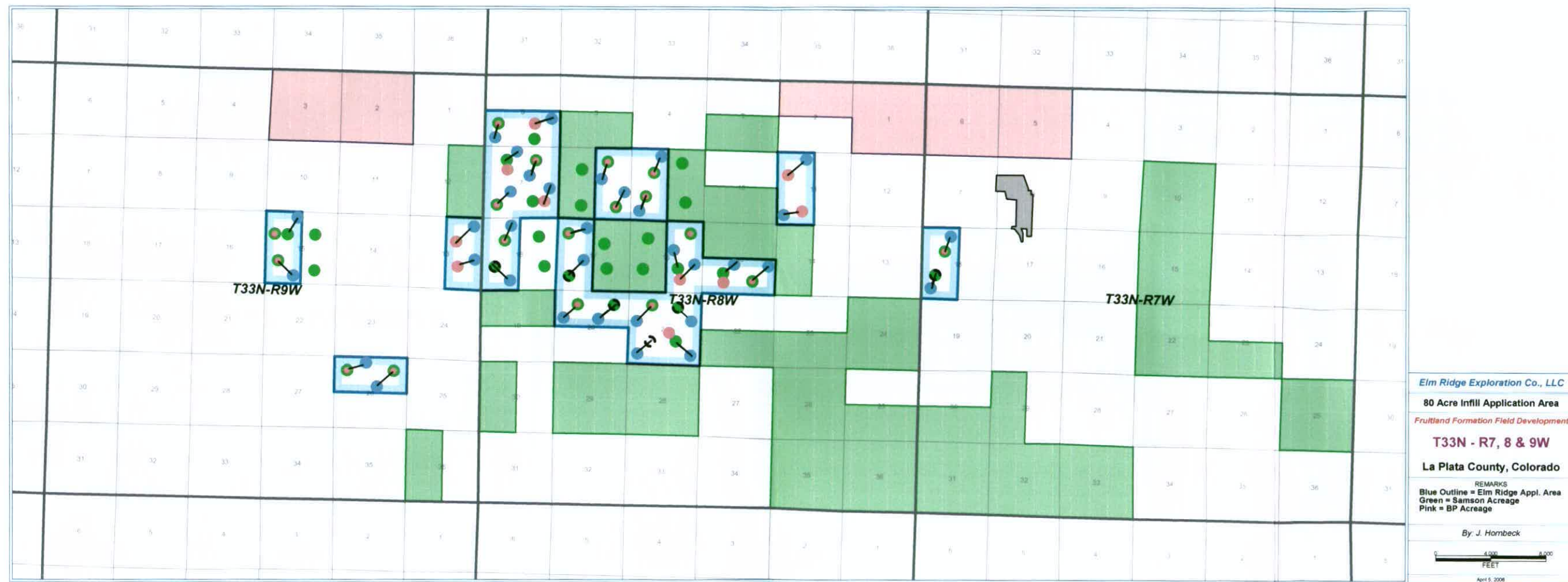
FEET

March 12, 2008

Surface Ownership
T33N-R7, 8 & 9W
 La Plata County, Colorado



Mineral Ownership
T33N-R7, 8 & 9W
 La Plata County, Colorado



Fruitland Formation Field Development **T33N-R7, 8 & 9W** **La Plata County, Colorado**

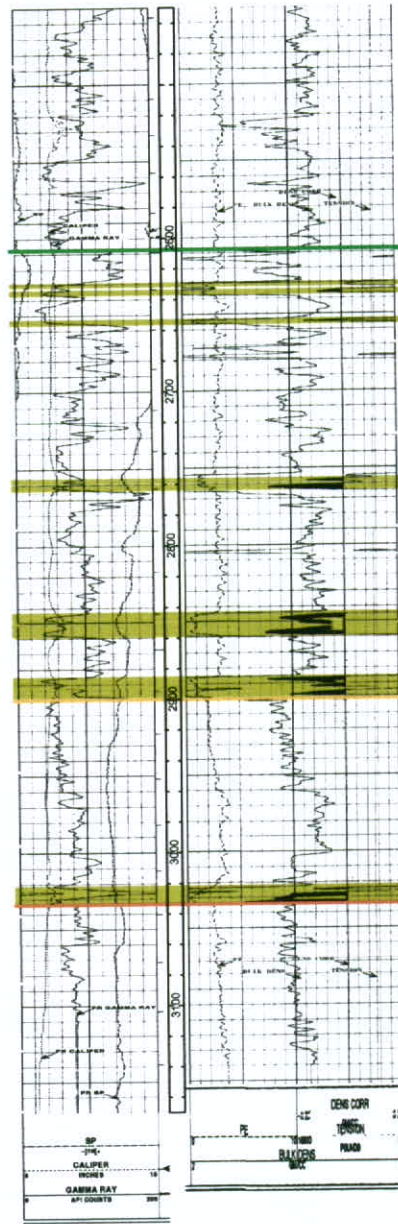
- Existing Stand-Alone Fruitland Well - 160 Acres
- Existing Fruitland and Non-Fruitland Shared Pad
- Undrilled Fruitland Location - 160 Acres
- Existing Non-Fruitland Well
- Undrilled Fruitland Location with Shared Pad
- Undrilled Fruitland Location - 80 Acres

SAMSON RES
2
OLSON 33-8-8
05067089240000



NW SE SW
T33N R8W S8
ELEV_KB : 6.675
6/18/2004

Fruitland Type Log



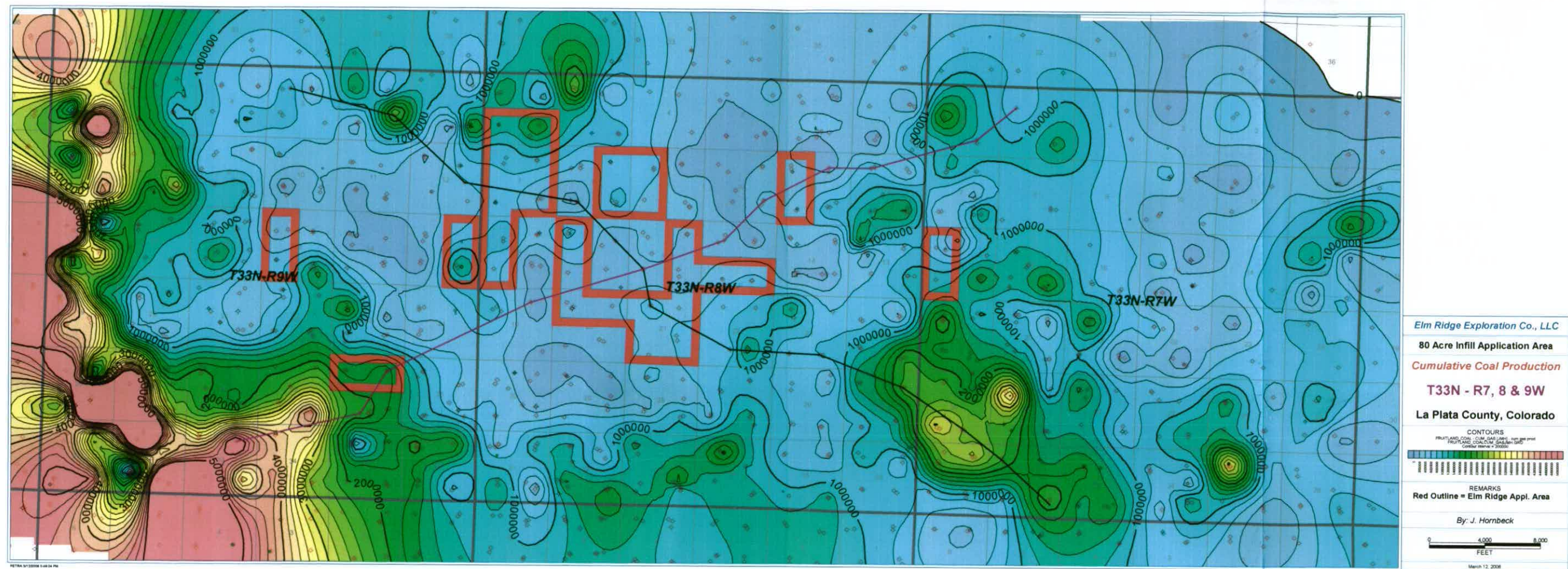
Kirtland Shale

Fruitland
Formation

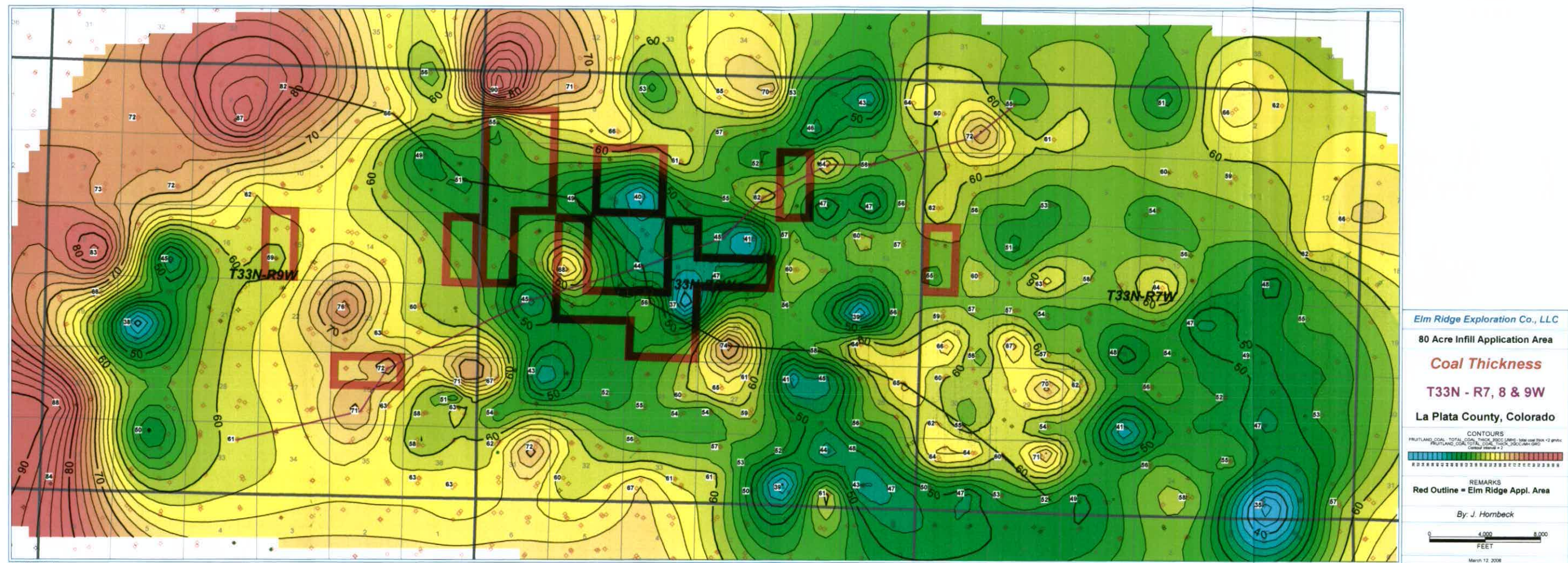
(Pictured Cliffs Tongue)

Pictured Cliffs Sandstone (Main Body)

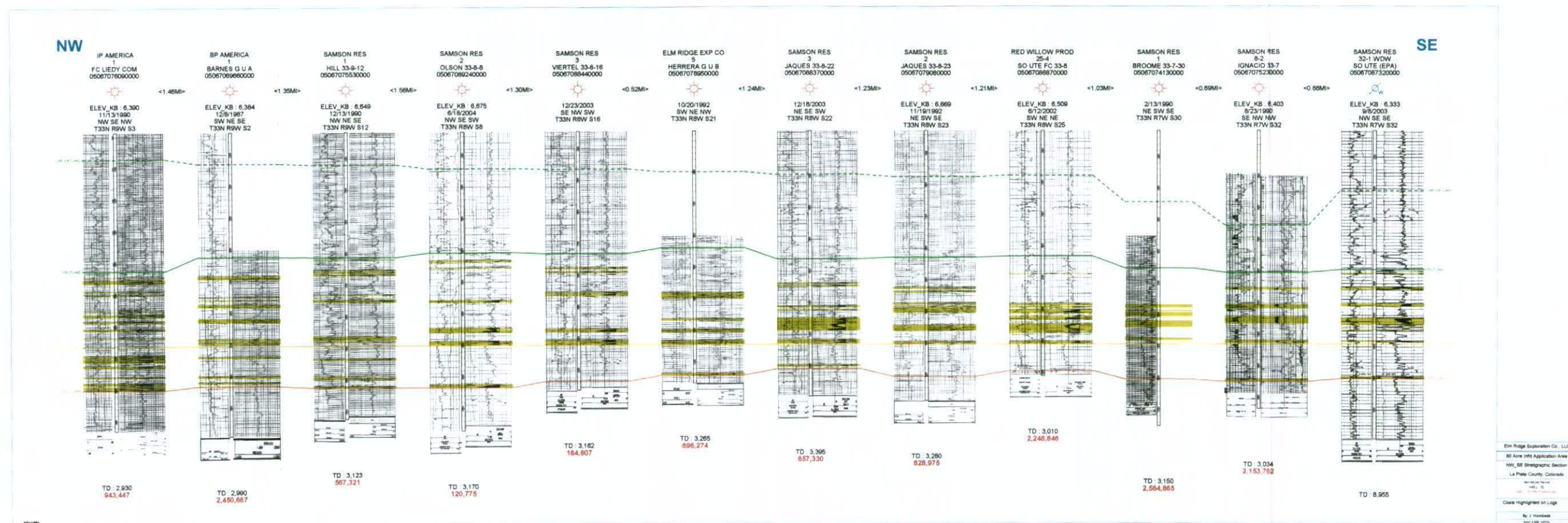
TD : 3,170
120,775

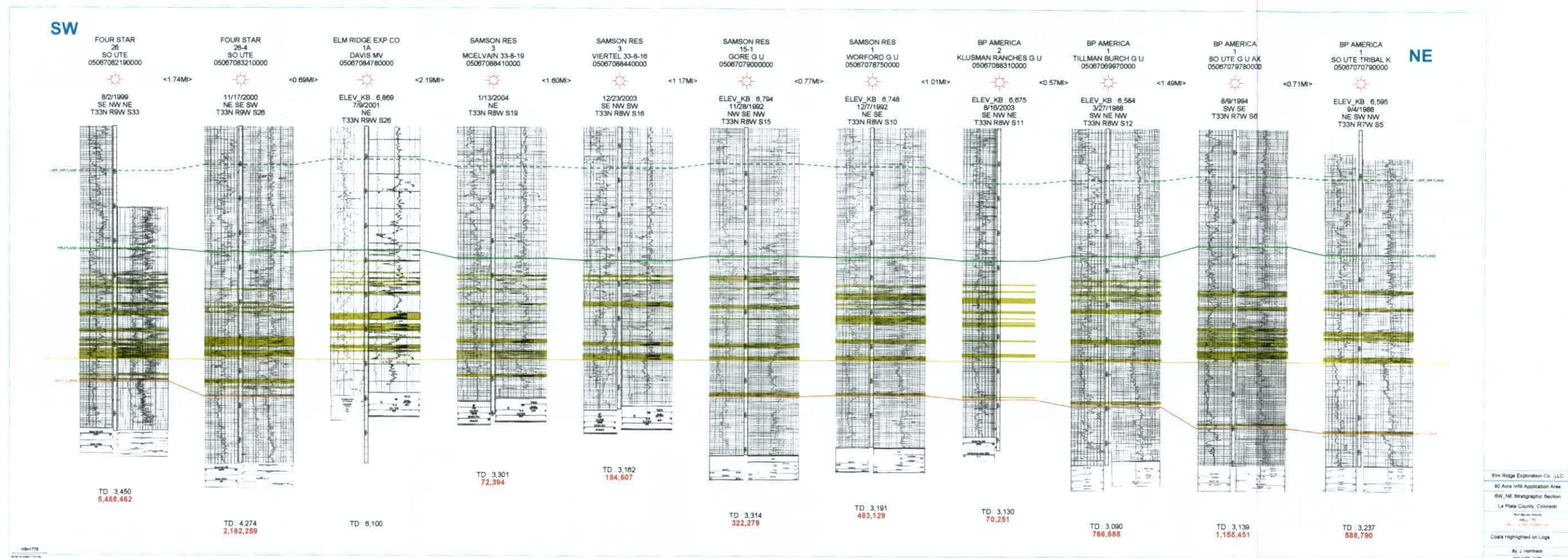


Cumulative Production
T33N-R7, 8 & 9W
 La Plata County, Colorado



Coal Thickness
T33N-R7, 8 & 9W
La Plata County, Colorado

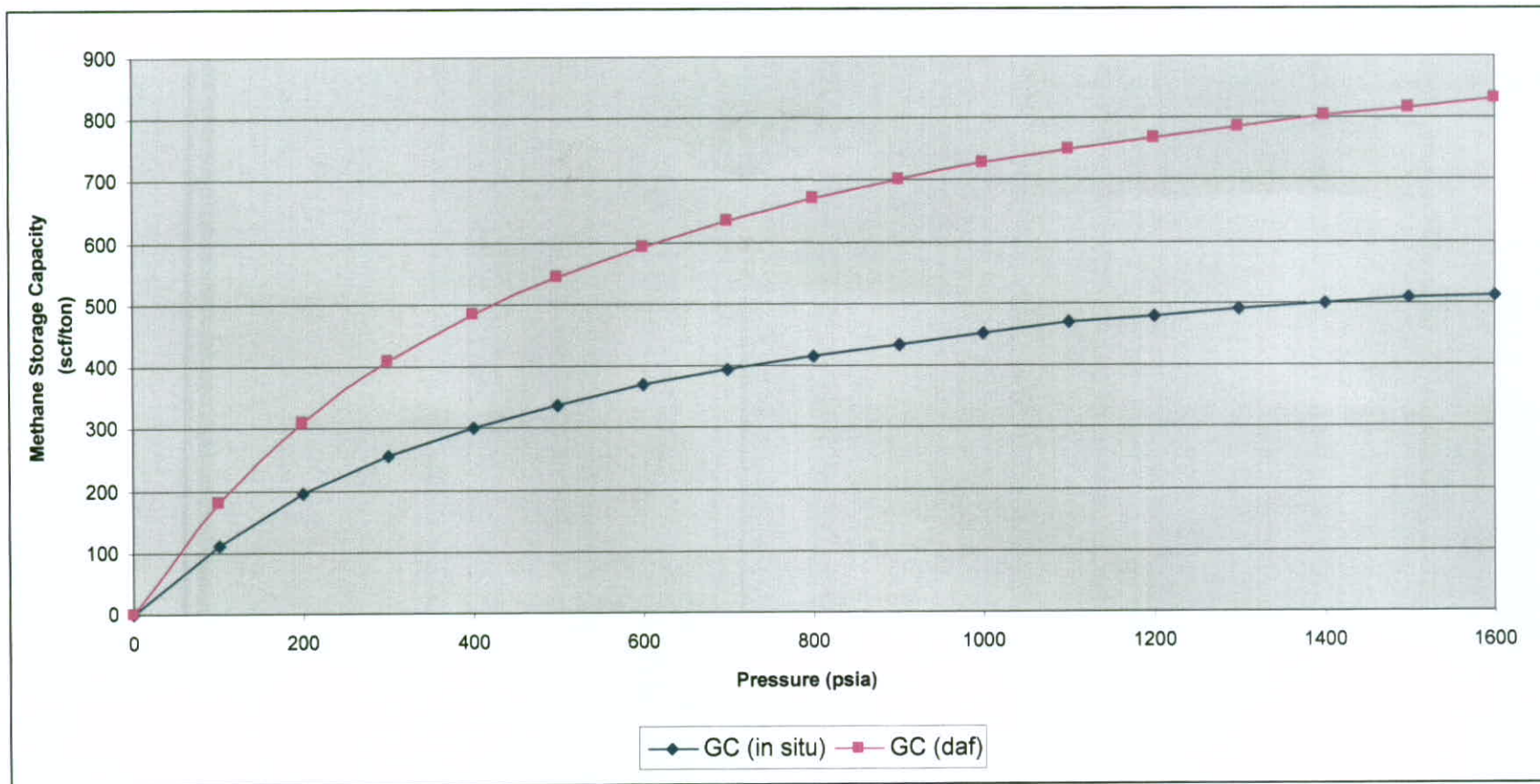




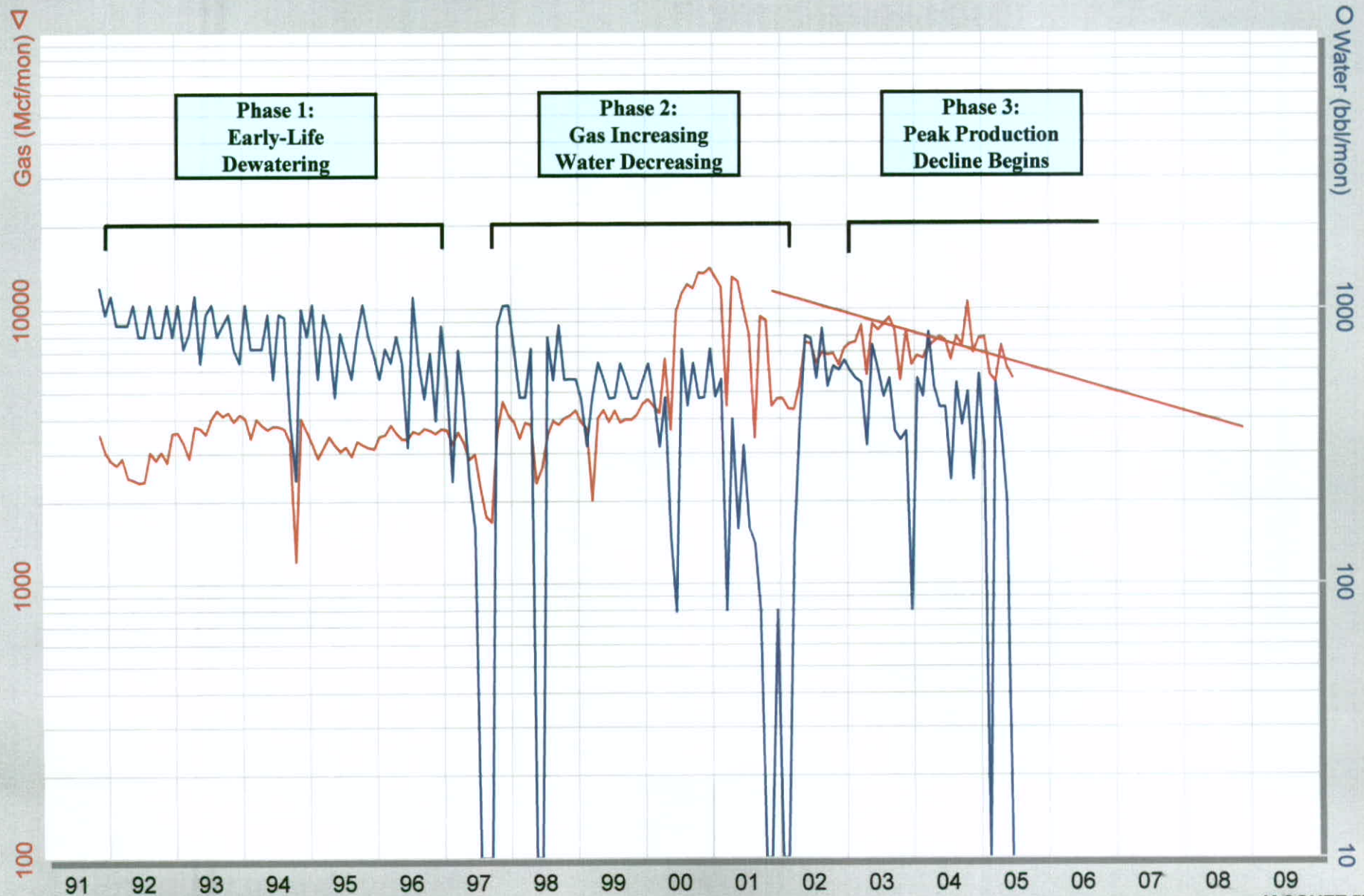
Stratigraphic Section (SW-NE)
T33N-R7,8 &9W
La Plata County, Colorado

Sorption Isotherm

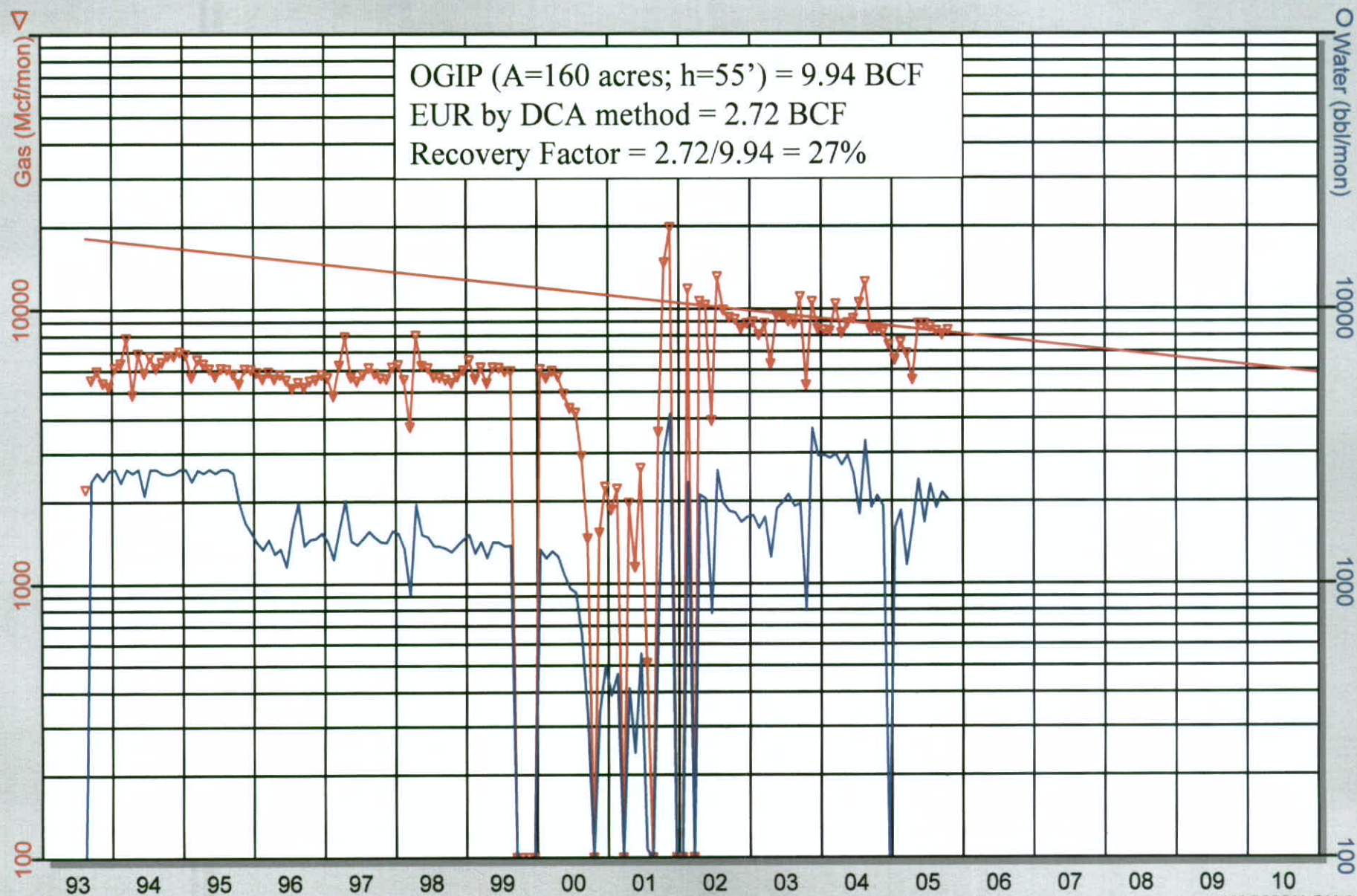
80-Acre Infill Application Area



Typical CBM Production Phases



DCA Recovery Factor (Example 1)



DCA Recovery Factor (Example 2)

