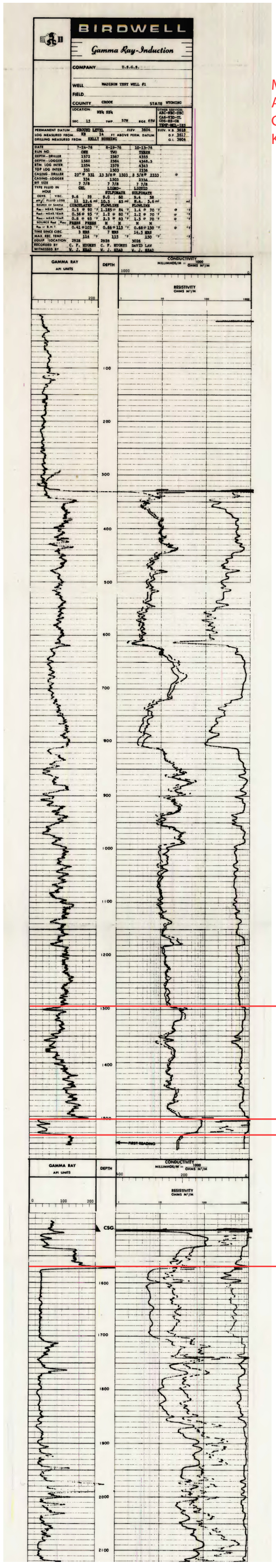


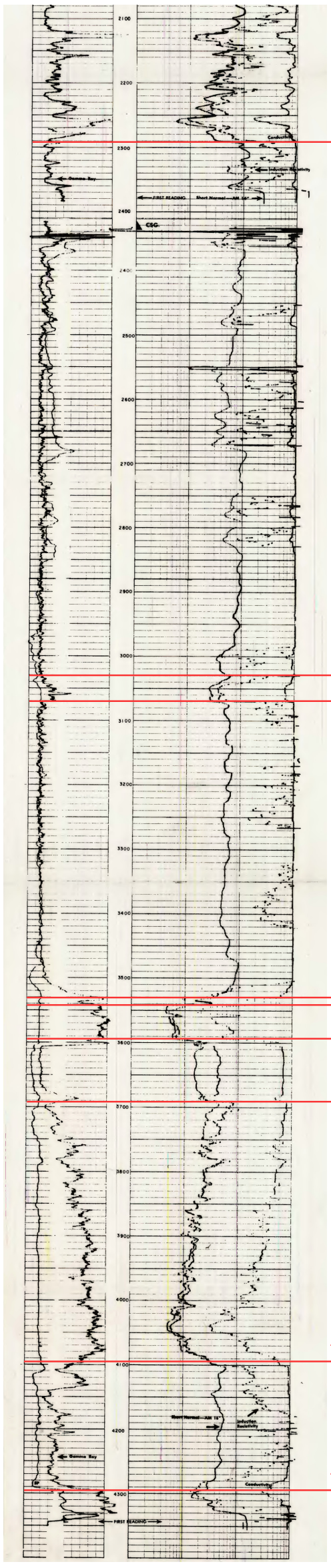
Madison Test Well No.1
API No. 4901109528
GL = 3,604′
KB = 14′

1,294′
Goose Egg Formation

1,506′
Minnekahta Formation

1,534′ Opeche Formation

1,570′
Minnelusa Formation



2,292′
Madison Formation

3,030′
Englewood Formation

3,070′
Red River Formation

3,530′
Winnipeg Top

3,542′ Icebox Shale

3,596′
Aladdin-Winnipeg
Sandstone

Winnipeg Group

3,692′
Deadwood Formation

4,096′
Flathead Formation

4,295′
Precambrian Formation

TD = 4,355′

Note All footages are KB (ft)

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Figure 7
East Type Log

2010 Ross ISR Class I Permit Application

Scale: NTS	Date: May 2010	
2010_Ross_CIPA_Fig_07.ai	By: JLM	Checked: HD

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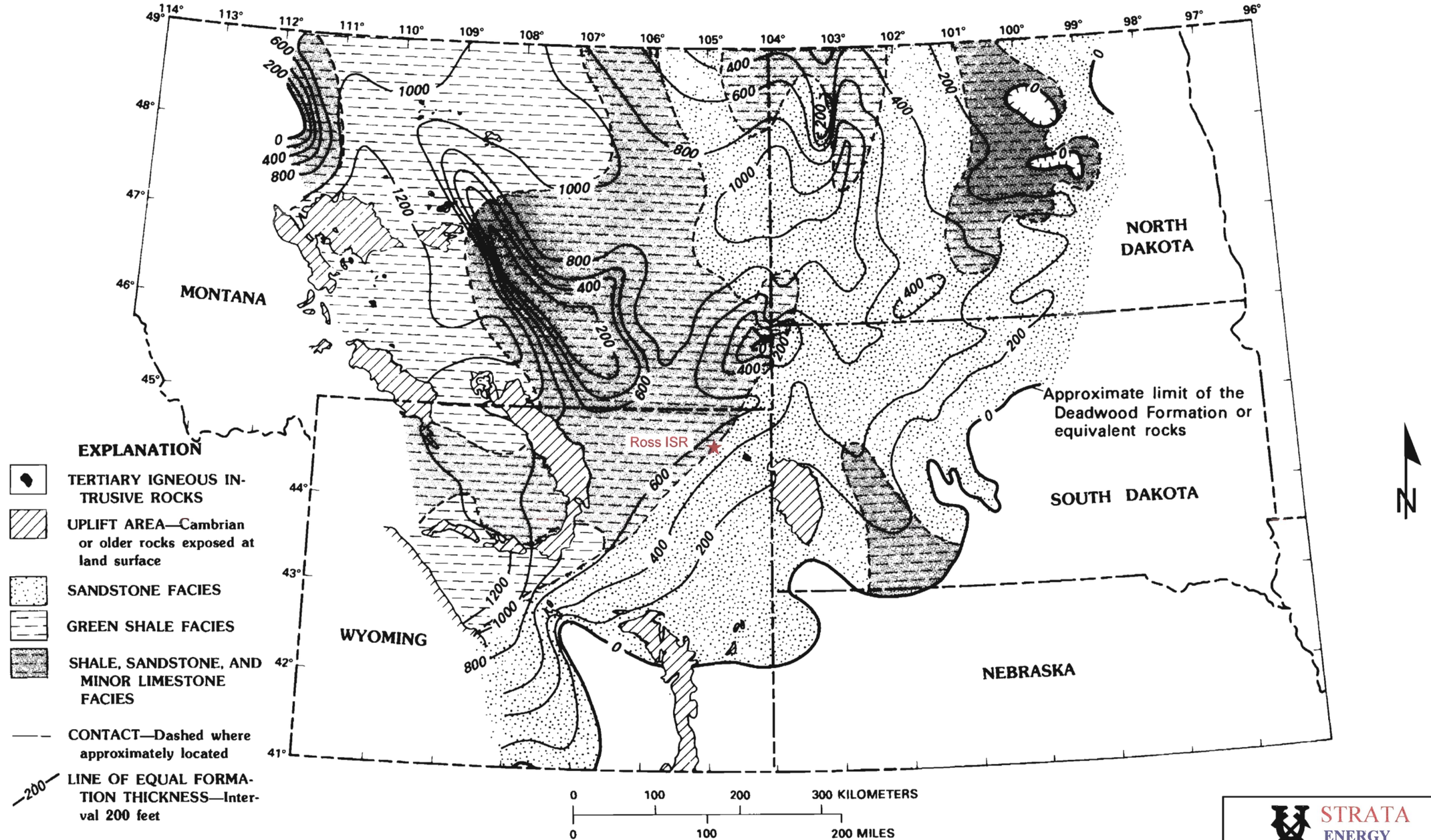

From:
Geological Survey Professional Paper 1273-A
Peterson, 1984

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Figure 8
Isopach Map of the
Deadwood Formation

2010 Ross ISR Class I Permit Application

Scale: See Bar Scale	Date: May 2010	
2010_Ross_CIPA_Fig_08.ai	By. JLM	Checked: HD

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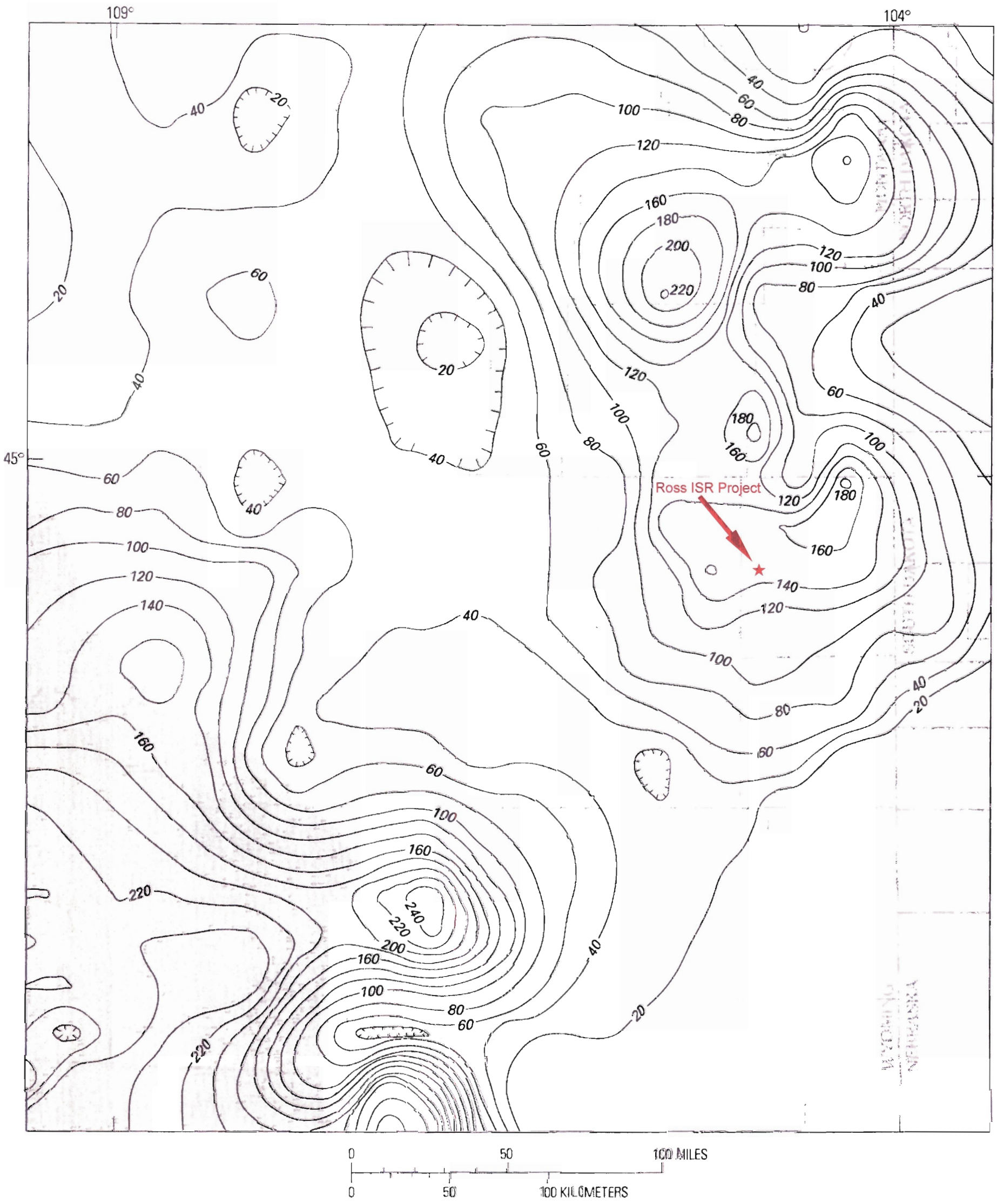

From:
USGS Bulleten 1917
by:
D. Macke, 1993

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Figure 9
Isopach Map of the Flathead Formation

2010 Ross ISR Class I Permit Application

Scale: See Bar Scale	Date: May 2010	
2010_Ross_CIPA_Fig_09.ai	By: JLM	Checked: HD

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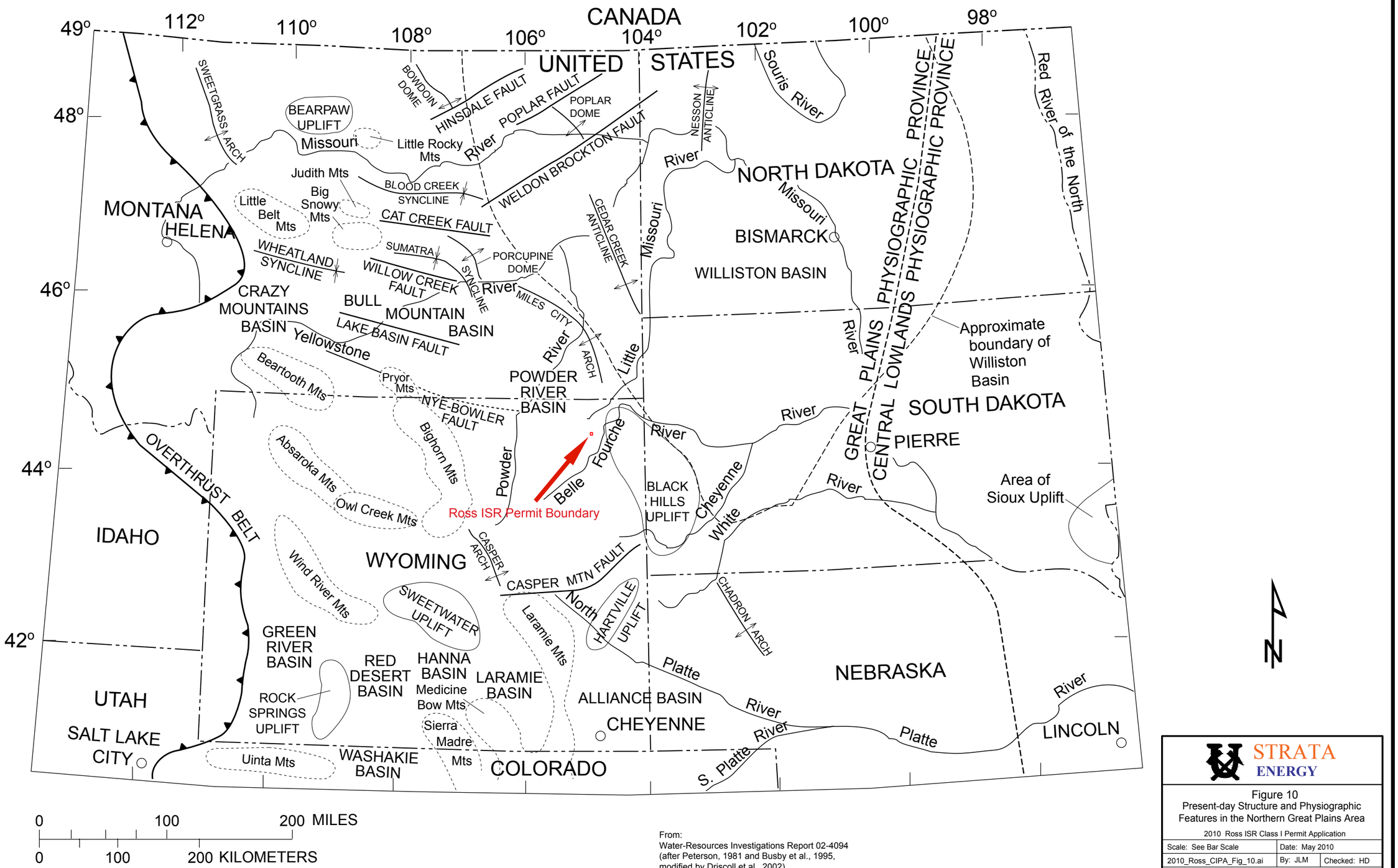

From:
Water-Resources Investigations Report 02-4094
(after Peterson, 1981 and Busby et al., 1995,
modified by Driscoll et al., 2002)

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Figure 10
Present-day Structure and Physiographic Features in the Northern Great Plains Area

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Scale: See Bar Scale	Date: May 2010	
2010_Ross_CIPA_Fig_10.ai	By: JLM	Checked: HD

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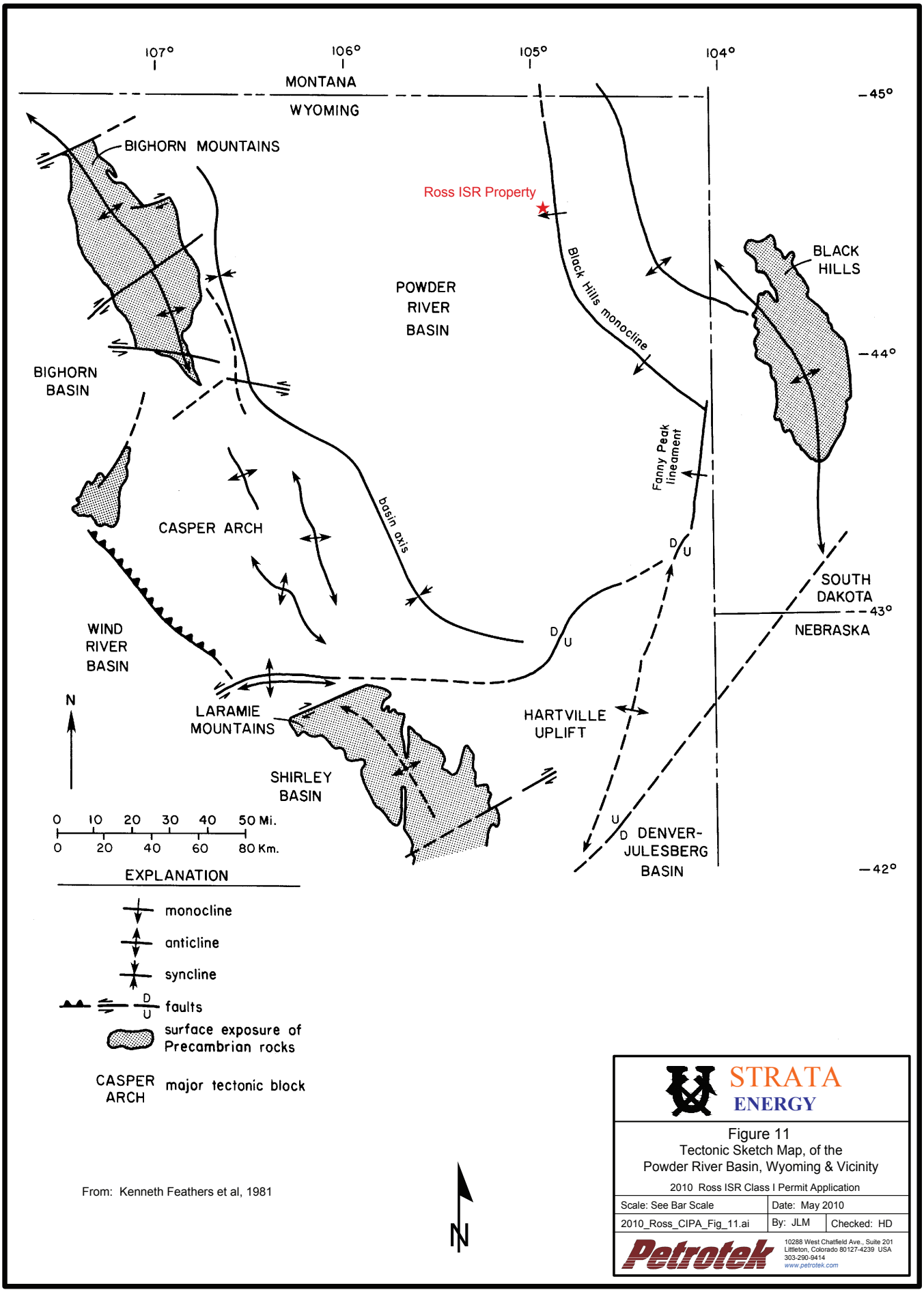
107°
106°
105°
104°
MONTANA
WYOMING
45°
BIGHORN MOUNTAINS
Ross ISR Property
BLACK HILLS
POWDER RIVER BASIN
Black Hills monocline
BIGHORN BASIN
44°
Fanny Peak lineament
CASPER ARCH
basin axis
D
U
SOUTH DAKOTA
43°
NEBRASKA
WIND RIVER BASIN
LARAMIE MOUNTAINS
HARTVILLE UPLIFT
SHIRLEY BASIN
N
0 10 20 30 40 50 Mi.
0 20 40 60 80 Km.
DENVER-JULESBERG BASIN
42°
EXPLANATION
monocline
anticline
syncline
faults
surface exposure of Precambrian rocks
CASPER ARCH
major tectonic block
From: Kenneth Feathers et al, 1981
N
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Figure 11
Tectonic Sketch Map, of the
Powder River Basin, Wyoming & Vicinity
2010 Ross ISR Class I Permit Application
Scale: See Bar Scale
Date: May 2010
2010_Ross_CIPA_Fig_11.ai
By: JLM
Checked: HD
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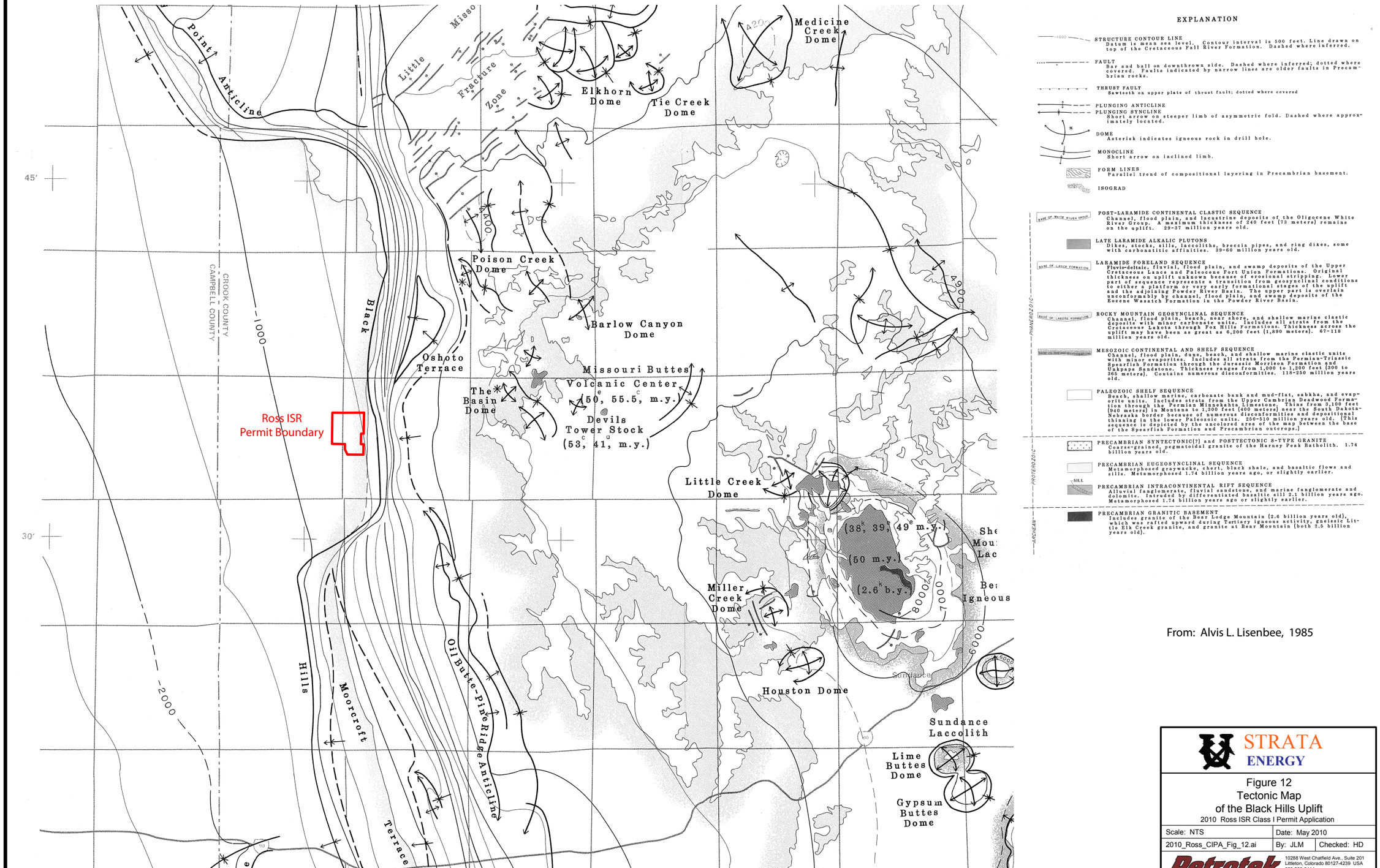

From: Alvis L. Lisenbee, 1985

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Figure 12
Tectonic Map
of the Black Hills Uplift
2010 Ross ISR Class I Permit Application

Scale: NTS	Date: May 2010	
2010_Ross_CIPA_Fig_12.ai	By: JLM	Checked: HD

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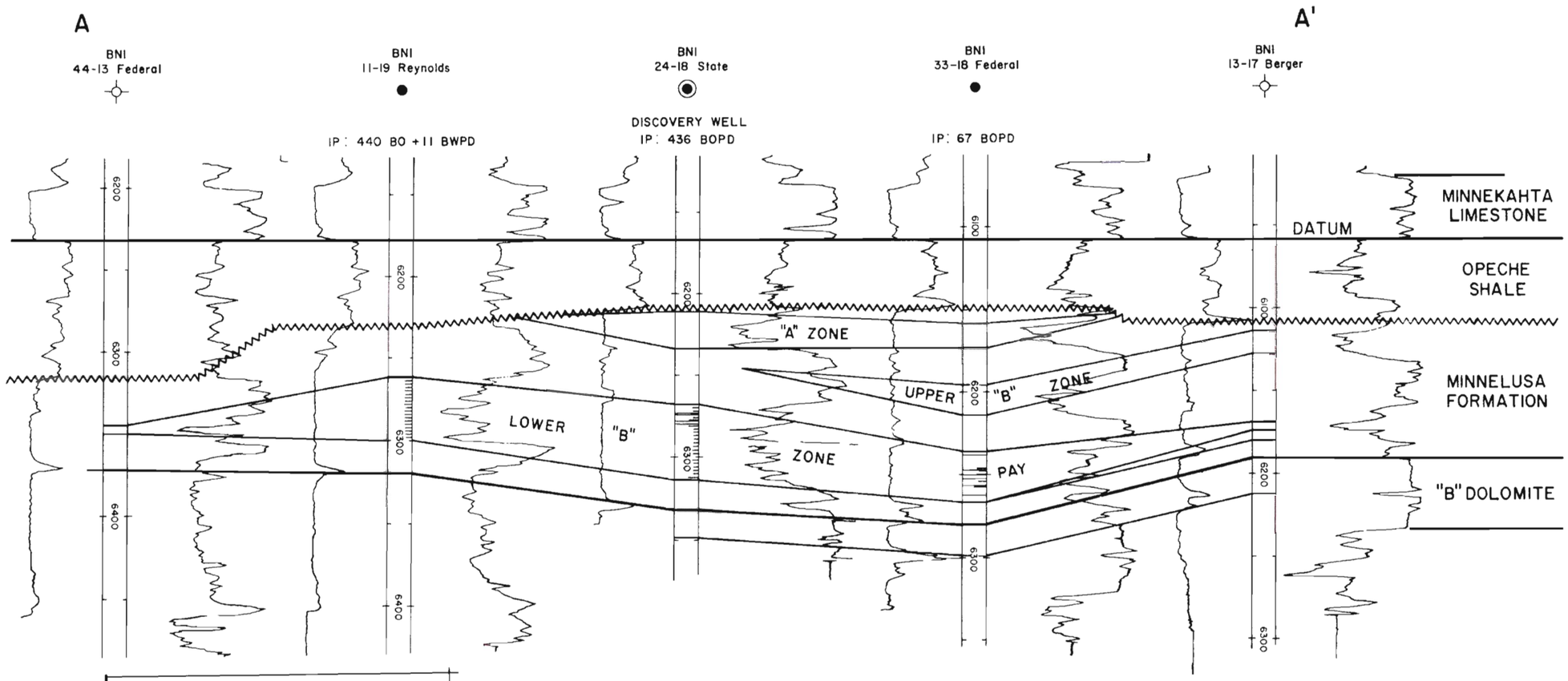

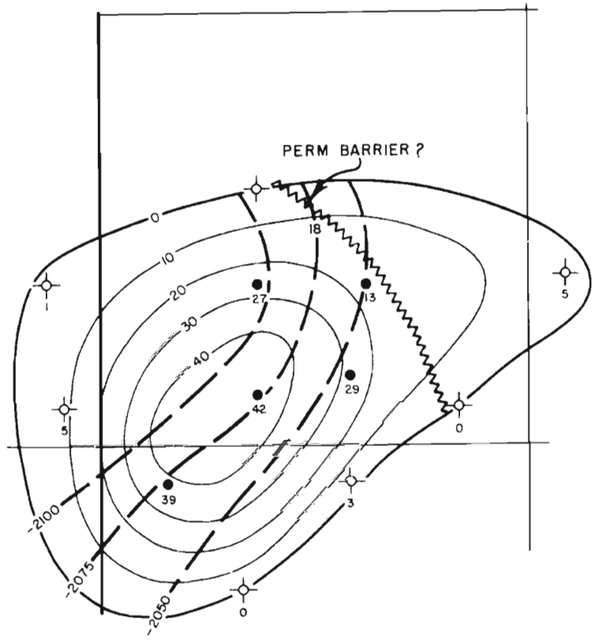

FIGURE 1

DEADMAN CREEK FIELD

CROOK COUNTY, WYOMING

CROSS SECTION A-A'

E. ARRO

APRIL, 1976

FIGURE 2

DEADMAN CREEK FIELD

CROOK COUNTY, WYOMING

ISOPACH-MINNELUSA LOWER "B" SAND

(POROSITY ≥ 12%)

WITH STRUCTURE MAP-TOP LOWER "B"

CONTOUR INTERVAL 10 FEET AND 25 FEET

E. ARRO

APRIL, 1976

Note

See Figure 15 for cross-section location relative to the Ross Property.

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Figure 13

Deadman Creek Field Cross Section A - A' and Isopach - Minnelusa Lower "B" Sand

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Scale: NTS	Date: May 2010	
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