



**HORIZONTAL SOLUTIONS  
INTERNATIONAL**

**Operator: Bakken**  
**Well Information:**  
**Field:**  
**Country, State: North Dakota**

**WELL DATA**

**Last Gamma Ray Depth:** 13603.5  
**True Vertical Depth @ TD:** -----  
**Vertical Section @ TD:** 4757.3  
**Average Dip Rate:** 0.2 °nt  
M  
U.S.A.,

**True Stratigraphic Position**

**Formation Tops**

<u>Lateral#</u>	<u>Form Name</u>	<u>MD</u>	<u>TSP</u>	<u>VS</u>	<u>TVD</u>
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**Fault Data**

<u>Lateral#</u>	<u>Fault#</u>	<u>MD</u>	<u>Throw</u>	<u>TVD</u>	<u>VS</u>
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Leg #1	Base Gamma	Mkr11767.0	0.0		
Leg #1	Base Gamma	Mkr12163.5	0.0		
Leg #1	Base Gamma	Mkr12344.5	0.0		
Leg #1	Base Gamma	Mkr12420.5	0.0		
Leg #1	Base Gamma	Mkr12510.0	0.0		
Leg #1	Base Gamma	Mkr12580.5	0.0		
Leg #1	Upper Bakken	9386.5	-31.9		
Leg #1	1st Shale Marker	9181.5	-134.7		



WELL REPORT SUMMARY  
, ND.

Offset Well:  
Reference Datum:  
Section Pane:

1st Shale Marker top -  
Upper Bakken Shale -

Dwight Lee  
(809-2069)

=====  
22/07 PM Final

At the Last Gamma & Survey depth (13603' MD) the dip was 0.2 degrees northerly. The wellbore was 4.19' TVD Above the Base Gamma Target. Correlation is Very Good.

Last Survey Inclination: 90.4 @ 13603' md.  
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19/07 PM

At the Last Gamma & Survey depth (13586' MD) the dip was 0.3 degrees northerly. The wellbore was 3.74' TVD Above the Base Gamma Target. Correlation is Very Good.

Last Survey Inclination: 90.4 @ 13586' md.  
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18/07 AM

At the Last Gamma & Survey depth (13246' MD) the dip was 0.6 degrees northerly. The wellbore was 6.28' TVD Above the Base Gamma Target. Correlation is Very Good.

Last Survey Inclination: 88.55 @ 13246' md.  
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/07 PM

At the Last Gamma & Survey depth (12958' MD) the dip was 0.3 degrees southerly. The wellbore was 10.81' TVD Above the Base Gamma Target. Correlation is Very Good.

Last Survey Inclination: 93.3 @ 12958' md.  
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/17/07 AM

At the Last Gamma & Survey depth (12830' MD) the

# Wellbore Plot - Vertical Section View

H



Mon, 1 (time printed)

## Legend:

Track 1 contents:  
Dip

Track 2 contents:  
Wellbore Path

Fault(s)  
Base Gamma Mkr  
Upper Bakken

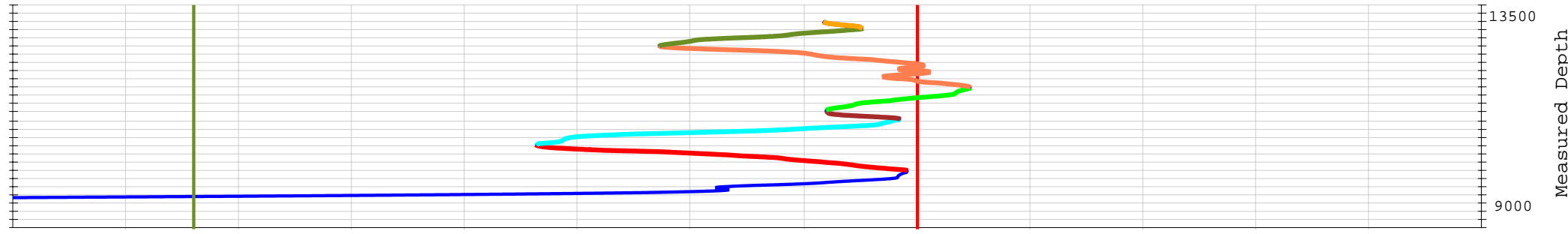
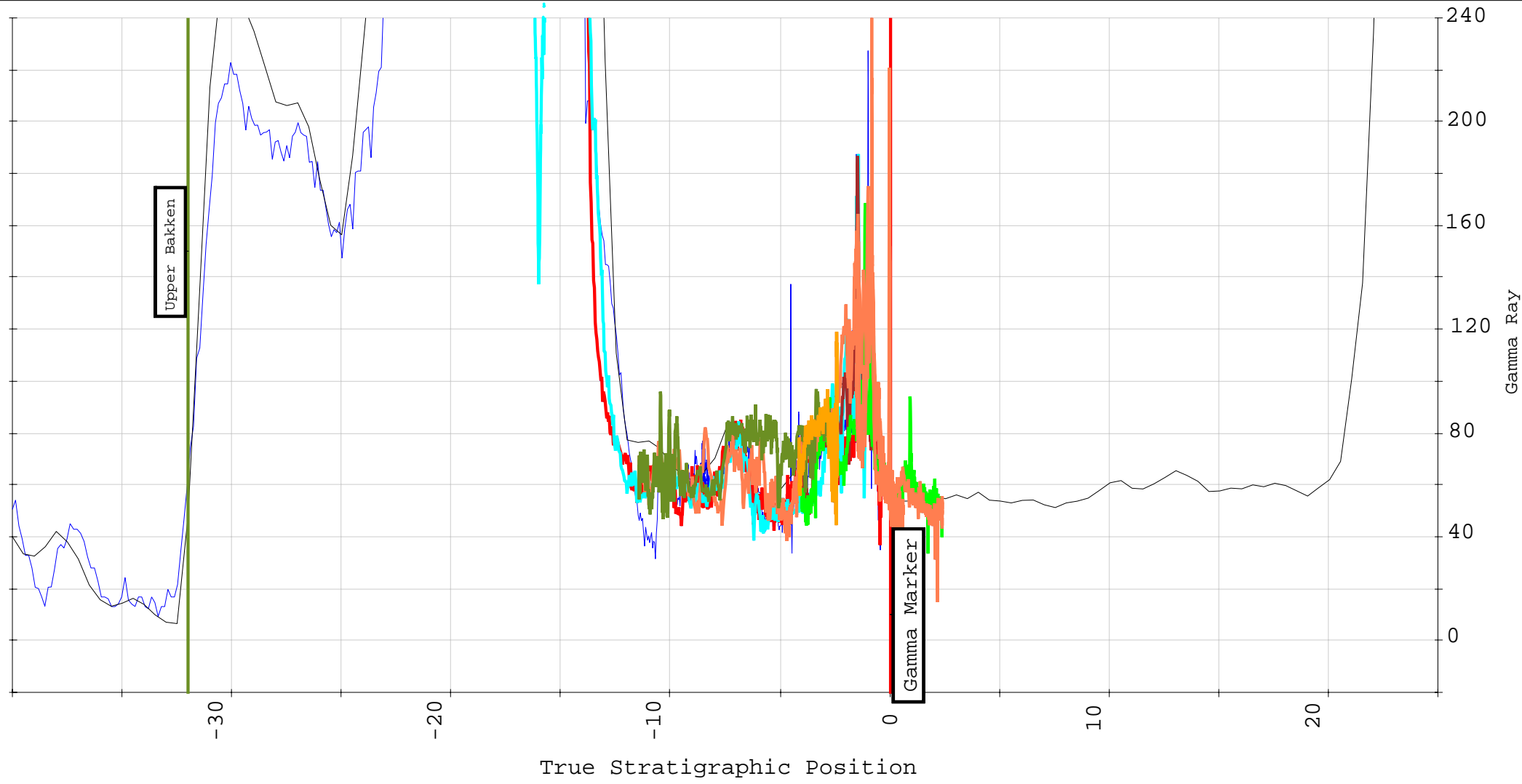
1st Shale Marker

Track 3 contents:  
Gamma

# TSP Log

H

-0.2 Dip -4.19 F above top target  
Stratigraphic Reference: Base Gamma Mkr

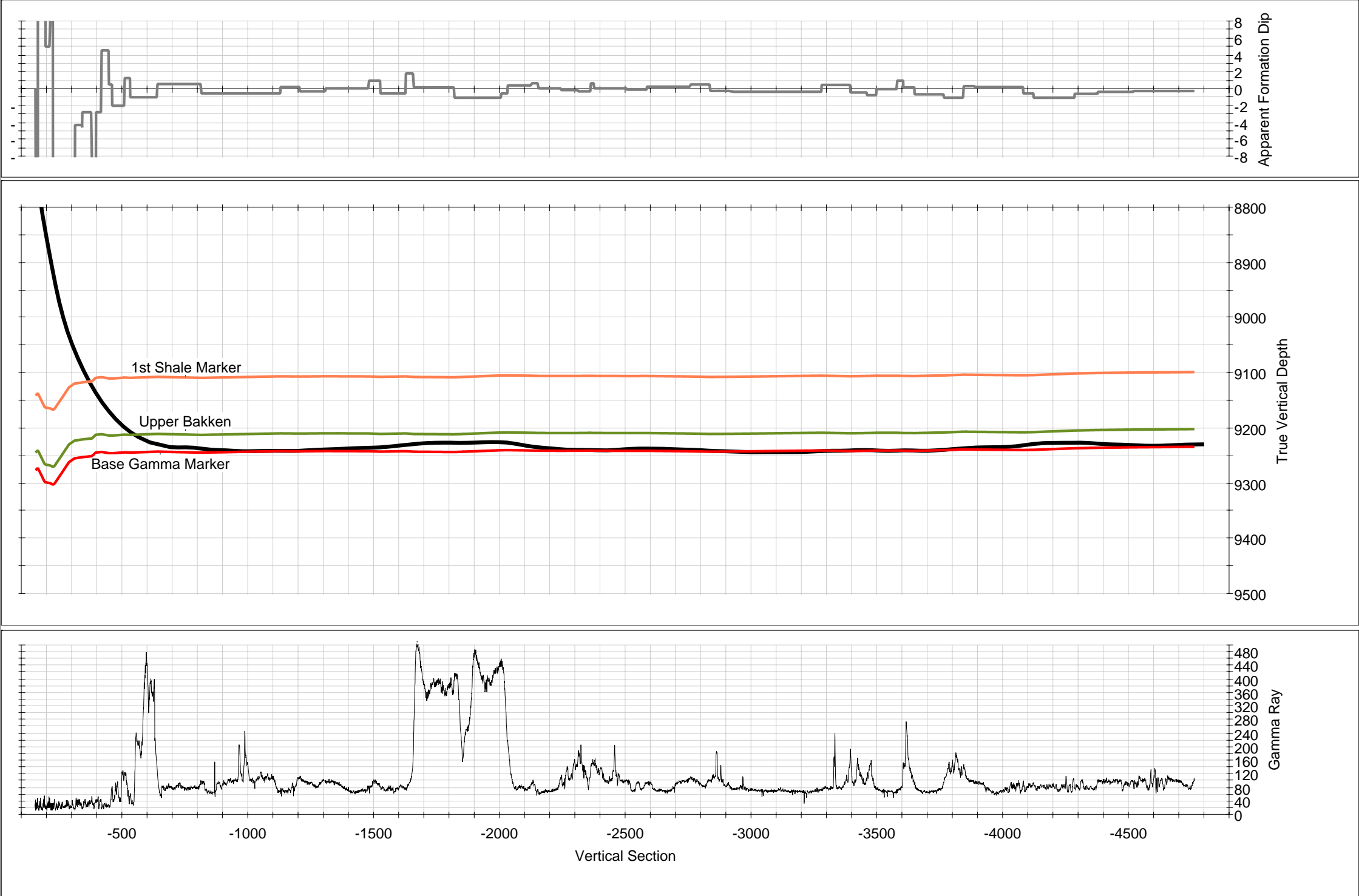


# Wellbore Plot - Vertical Section View

H



Mon:16:02 PM (time printed)



# Wellbore Plot - Measured Depth View

H



Mon, 3 PM (time printed)

