



**Growth, Enterprise and Trade**  
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**INFORMATIONAL NOTICE 08-03**

July 25, 2008

**Mandatory Electronic Data Submission Requirements – Deviation and Directional Surveys**

The Manitoba Petroleum Branch is requesting that deviation and directional surveys be submitted in a standardized digital format (specified in Schedule A) in order to comply with Section 110 of the Drilling and Production Regulation under The Oil and Gas Act.

***Deviation and directional surveys***

**110(1)** *While drilling a well, the licensee shall conduct deviation surveys at depth intervals not exceeding 150 m.*

**110(2)** *Unless the director otherwise authorizes the licensee in writing, the licensee shall conduct a directional survey of the well, if:*

*(a) the surface location of the well is nearer to the boundary of its target area than 2% of the depth of the well; or*

*(b) the well is drilled directionally or horizontally;*

*and before placing the well on production shall submit a copy of the results of the survey to the branch.*

The reason for this request is that it will facilitate data transfer and management in a uniform format. Commencing September 1, 2008, deviation and directional surveys will be required to be submitted in a comma delimited ASCII format. Schedule A outlines the specifications of the comma delimited file.

If your choice of submission is by mail or courier the delivery addresses will be:

Townships 1 to 6  
Petroleum Technician  
Growth Enterprise and Trade  
P.O. Box 220  
Waskada, MB, R0M 2E0

Townships 7 and above  
Petroleum Technician  
Growth Enterprise and Trade  
P.O. Box 1359  
Virden MB, R0M 2C0

Should you have any questions regarding well bore survey digital submission please contact [petroleum@gov.mb.ca](mailto:petroleum@gov.mb.ca).

Keith Lowdon,  
Director of Petroleum

## Schedule A

### Deviation and Directional Survey Submissions

**Revision November 18, 2008** – Northing and Easting to be submitted in UTM, NAD 83, Zone 14.

#### Format

- The following data must accompany the well bore values. Header information (listed below) must be contained within the first seven (7) rows within the data file.
- Survey Data must be submitted as a comma delimited, starting on the ninth row, containing the following information (listed below) in the specified order:

#### Header Information

UWI / WELL LOCATION	NOT NULL	VARCHAR2(21)	i.e. 100.01-01-010-28W1.00
SURVEY_DATE		DATE	
COMPANY_NAME	NOT NULL	VARCHAR2(60)	
CURVE_TYPE	NOT NULL	VARCHAR2(8)	i.e. Minimum Curve
CALCULATED_ANGLE		NUMBER(7,4)	True North = 0
DOG_LEG_INTERVAL_METRES	NOT NULL	NUMBER(3)	
VERTICAL_SECTION_AZIMUTH		NUMBER(5,2)	

#### Survey Data

MEASURED_DEPTH_METRES	NOT NULL	NUMBER(6,2)	
DRIFT_INCLINATION	NOT NULL	NUMBER(5,2)	
AZIMUTH_DEGREES	NOT NULL	NUMBER(4,1)	
TVD_METRES	NOT NULL	NUMBER(6,2)	
DOG_LEG		NUMBER(4,1)	
VERTICAL_SECTION_METRES		NUMBER(6,2)	
NORTHING_METRES	NOT NULL	NUMBER(7,2)	
EASTING_METRES	NOT NULL	NUMBER(7,2)	
SUBSEA		NUMBER(6,2)	
NORTHING		NUMBER(14,2)	<b>Note: NAD 83, Zone 14</b>
EASTING		NUMBER(14,2)	<b>Note: NAD 83, Zone 14</b>
EXTRAPOLATED		VARCHAR2(1)	Note: 'Y' or 'N' only
BUILD_RATE		NUMBER(4,2)	

NOTE: All fields marked as "NOT NULL" must be populated.