



Science, Technology, Energy
and Mines

Petroleum Branch

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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 address will be:

Barb Johnston
Petroleum Technician
Science, Technology, Energy and Mines
Petroleum Branch
P.O. Box 1359
Virden, MB
R0M 2C0

Alternative delivery methods, rather than mail or courier, may be arranged with the Branch by request.

Should you have any questions regarding well bore survey digital submission requirements to the Branch, or if there are any questions regarding the timeline, please contact:

Paul Legare, Digital Information Services at (204) 748-4263 or e-mail: paul.legare@gov.mb.ca.

A handwritten signature in black ink, appearing to read "Keith Lowdon". The signature is written in a cursive style with a large initial "K".

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)	Note: NAD 83, Zone 14
EASTING		NUMBER(14,2)	Note: NAD 83, Zone 14
EXTRAPOLATED		VARCHAR2(1)	Note: 'Y' or 'N' only
BUILD_RATE		NUMBER(4,2)	

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