



## Gas Migration Report – Shallow Wells with No Surface Casing Vent

(As outlined in ERCB Bulletin 2011-35)

### General Information and Certification

Licensee: ABC Resources  
Agent: Definitive Optimization  
Consultant: Definitive Optimization  
Contact Person: Mr. Tech  
Phone Number: (000) 123-4567  
Email: Mtech@defopt.com

### Well Test Information

License Number: 14z0000

100/01-02-003-04 w4

Date Tested: May 10, 2014

### Soil Gas Survey Data

#### Comments/Procedure Used:

Portable Methane Gas Detector.

0 % Methane found around wellhead.

The gas monitor was tested before and after the gas migration test. The gas monitor was purged before and after every sample tested. No soil or vegetation agitation noticed around lease.

Field Technician: Mr. Tech, 1-000-123-4567

#### 1. Test Method Used:

Infrared Spectroscopy Detector Type: SENSIT

Date Calibrated: May 1<sup>st</sup>, 2014

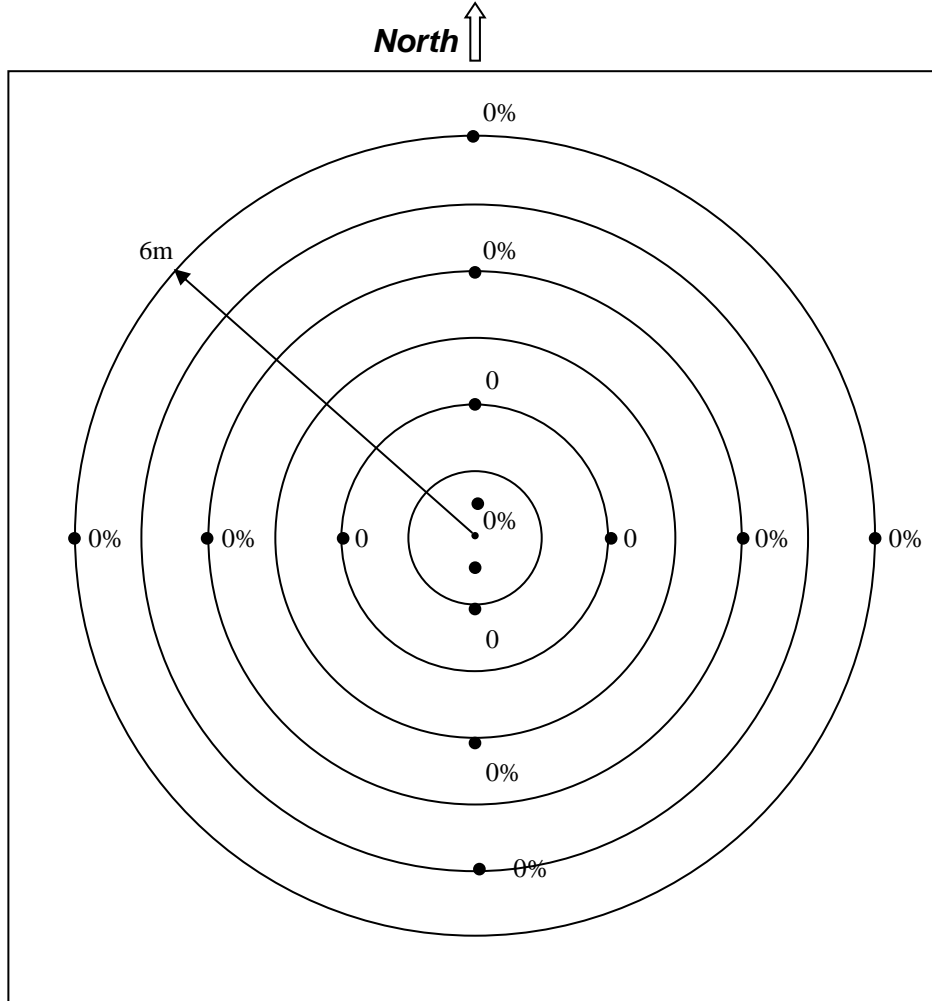
If methane was detected, we will return after Alberta 1 call for ground disturbance & carry on with step 2

#### 1. Test Method for NON-EXPOSED Surface Casing:

Create 4 holes 30 cm deep of max 6.4 cm diameter, at 4 points around well, 30 cm from the wellbore. Isolate holes for 2-5 minutes, insert measuring equipment probe into hole without air contamination, and take reading. IF Gas present, Surface Casing will have to be exposed by producer and further testing (as above completed).  
FILL-OUT DIAGRAM NEXT PAGE WITH READINGS.....

**Soil Gas Survey Data (continued)**

The center dot in the diagram represents the wellbore / casing.



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