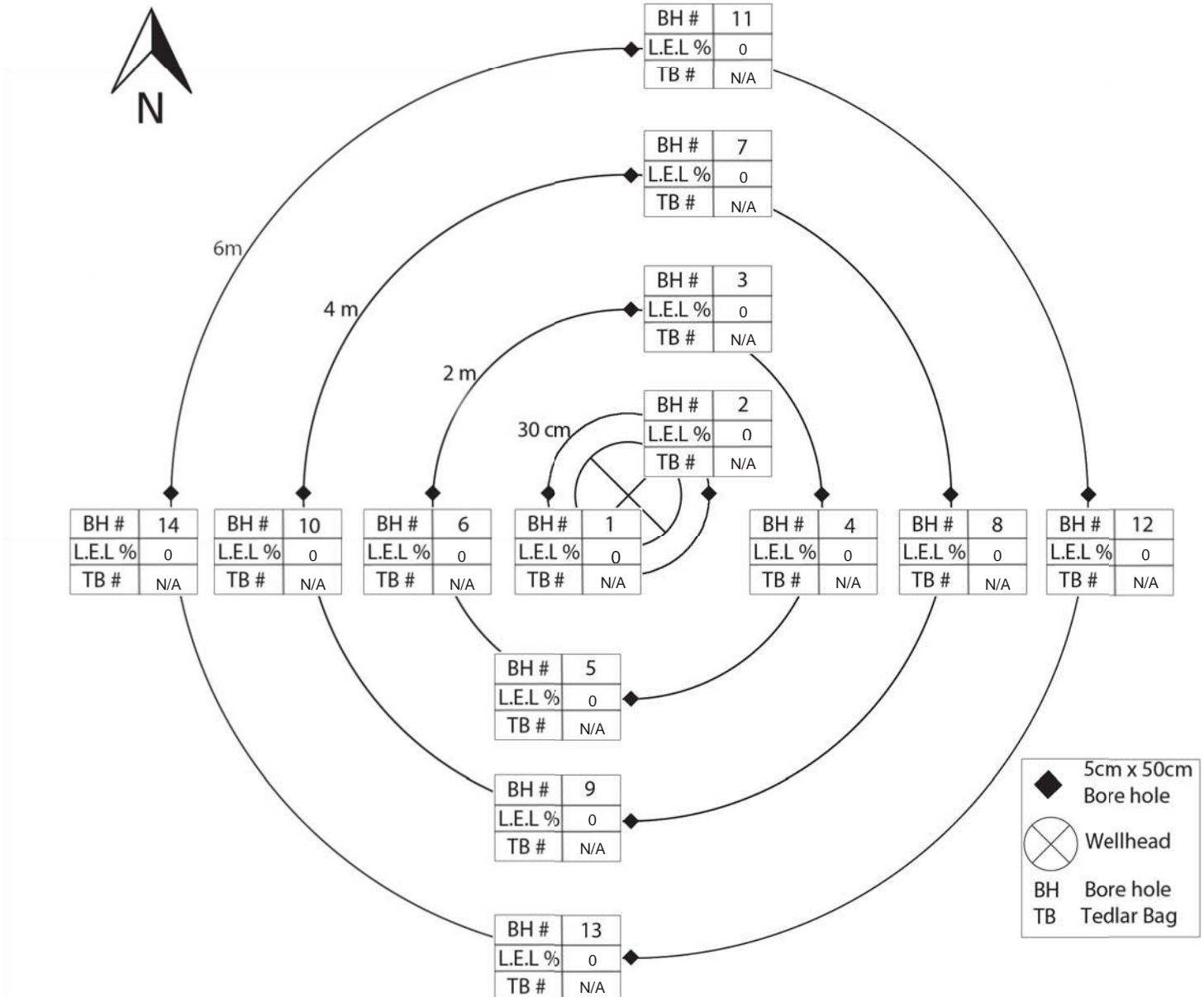


SOIL GAS MIGRATION SURVEY

Operator Name		Date Sampled	Laboratory Number
APACHE CANADA LTD.		26-Sept -2016	
Location	Well Name		
300/A-55-6030-12345/02	APACHE AMOCO A-4 POINTED MOUNTAIN A-55		
Field or Area	Pool or Zone	Sampler's Company	
POINTED MOUNTAIN	NOT AVAILABLE	APACHE	
Well License	Location - Approved By - Title		Name of Sampler
N911	CALGARY – RODNEY SMITH - COMPLETION SUPERINTENDENT		BRIAN DICKSON



This sampling schematic conforms with section 5.2.1.1 of the British Columbia Oil and Gas Commission's Well Completion, Maintenance and Abandonment Guideline, Version 1.12.

SOIL GAS MIGRATION SURVEY

TABULATED RESULTS FROM GAS MIGRATION SURVEY							Analytical Performed	
BH #	CO (ppm)	O ₂ (%)	L.E.L. (%)	H ₂ S (ppm) Monitor	H ₂ S (ppm) Stain Tube	Soil Moisture (1 = wet, 5 = dry)	Component C10+	Carbon Isotope
1	0	20.9	0	0	N/A	1	N/A	N/A
2	0	20.9	0	0	N/A	1	N/A	N/A
3	0	20.9	0	0	N/A	1	N/A	N/A
4	0	20.9	0	0	N/A	1	N/A	N/A
5	0	20.8	0	0	N/A	1	N/A	N/A
6	0	20.9	0	0	N/A	1	N/A	N/A
7	0	20.9	0	0	N/A	1	N/A	N/A
8	0	20.9	0	0	N/A	1	N/A	N/A
9	0	20.9	0	0	N/A	1	N/A	N/A
10	0	20.8	0	0	N/A	1	N/A	N/A
11	0	20.9	0	0	N/A	1	N/A	N/A
12	0	20.9	0	0	N/A	1	N/A	N/A
13	0	20.9	0	0	N/A	1	N/A	N/A
14	0	20.9	0	0	N/A	1	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BT1	55	19.4	55	27	Monitor Type	GIG Instrumentation	Calibration Date	16-Sept-2016
BT2					Monitor Type		Calibration Date	
Mean Temperature on Location (Degrees Celsius)							7	
Presence of Standing Water on Location? Distance from Wellhead (meters)?							Yes - 50m West and South of wellhead	
Approximate Number of Days since last Rainfall?							3	
SURFACE CASING VENT FLOW ASSESSMENT								RESULTS
Surface Casing Vent Flow (SCVF) Bubble tested?								NA
Surface Casing Vent Flow Present?								NA
If SCVF Present:	Hydrogen Sulphide (H ₂ S) Present?							No
	Hydrocarbon Liquid present in flow?							N/A
	Water present in flow causing potential soil or groundwater contamination?							No
	SCVF due to casing or wellhead seal failure?							N/A
	Is the flow a fire, public safety or environmental hazard?							N/A
	Stabilized Flow Rate > 300 m ³ /d?							N/A
	Flowrate of SCVF (m ³ /d)							N/A
	Shut In Pressure of SCV (kPa) after 24hr shut in period?							N/A
	Depth of Surface Casing (m)?							762 mKB
Threshold Pressure to classify SCVF as Serious (11kPa x Surface Casing Depth)							N/A	
Is SCV Shut in Pressure > Threshold Pressure?							N/A	
Is the SCVF "Serious" or "Not Serious"?							N/A	
(Note: If Answered "Yes" to any of the above 7 questions then the flow must be deemed as "Serious")								
Notes: No visible vegetation distress observed in area around wellhead.								