

GAS MIGRATION TEST



CLIENT			
TEST DATE		TEST TIME START	
WELL LICENCE	UWI	TESTED BY	
WELL LOCATION		WELL NAME	
WELL LAT	WELL LONG	GAS MIGRATION FOUND	YES ☐ NO ☐

LEASE DIAGRAM	WEATHER CONDITIONS	SAMPLE METHOD
	TEMPERATURE	AUGER ☐ BAR ☐
	SKY CONDITIONS	
	PRECIPITATION	
	TEST PROCEDURE 1 - DRY LOCATION → ☐	
- LOCATE WELLHEAD/CASING STUB, IF WELLHEAD/CASING STUB IS NOT PRESENT - LOCATED BURIED ABANDONED WELLBORE USING METAL DETECTOR / PIN LOCATOR - AUGURED 2 X 30MM DIAMETER X APPROX. 60CM DEEP HOLES ON OPPOSITE SIDES APPROX. 30 CM OF WELLBORE CENTER - AUGURED 3 X 30MM DIAMETER X APPROX. 60CM DEEP HOLES AT 90 DEGREE INTERVALS (CROSS PATTERN) AT APPROX. 2M INTERVAL TO A DISTANCE OF 6M FROM WELLBORE CENTER - PERFORM GAS MEASUREMENT EQUIPMENT CHECK - INSERTED A 30CM PROBE INTO EACH HOLE THAT IS ISOLATE FROM ATMOSPHERIC CONTAMINATIONS - WITHDREW SOIL GAS SAMPLE, RECORDED GAS SAMPLE OBSERVATIONS, PURGED INSTRUMENT AND LINES AND REPEATED FOR EACH HOLE - IDENTIFIED ANY STAINED OR STRESSED VEGETATION WITHIN 75M COMPLETED GAS MIGRATION TESTING SOIL SAMPLES TAKEN: YES ☐ NO ☐		

TESTING EQUIPMENT	TEST PROCEDURE 2 - WET LOCATION → ☐	
MODEL	- LOCATE WELLHEAD/CASING STUB, IF WELLHEAD/CASING STUB IS NOT PRESENT - LOCATED BURIED ABANDONED WELLBORE USING METAL DETECTOR / PIN LOCATOR - BARRED 2 X 50MM DIAMETER X APPROX. 60CM DEEP HOLES ON OPPOSITE SIDES APPROX. 30 CM FROM WELLBORE CENTER - CASED GAS MIGRATION TEST HOLE WITH 30MM X 60CM SLOTTED PIPE - BARRED 3 X APPROX. 50MM DIAMETER X 60CM DEEP HOLES AT 90 INTERVALS (CROSS PATTERN) AT APPROX. 2M INTERVAL TO A DISTANCE OF 6M FROM WELLBORE CENTER - CASED GAS MIGRATION TEST HOLE WITH 30MM X 60CM SLOTTED PIPE - PERFORM GAS MEASUREMENT EQUIPMENT CHECK - INSERTED A 30CM PROBE INTO EACH HOLE THAT IS ISOLATE FROM ATMOSPHERIC CONTAMINATIONS - WITHDREW SOIL GAS SAMPLE, RECORDED GAS SAMPLE OBSERVATIONS, PURGED INSTRUMENT AND LINES AND REPEATED FOR EACH HOLE - IDENTIFIED ANY STAINED OR STRESSED VEGETATION WITHIN 75M COMPLETED GAS MIGRATION TESTING SOIL SAMPLES TAKEN: YES ☐ NO ☐	
S/N		
CALIBRATION* DATE		
*CALIBRATED TO DETECT HYDROCARBON AT A MINIMUM OF 1% LEL		
LEASE INFORMATION	YES	NO
WELLHEAD / CASING STUB	☐	☐
VISIBLE STAINING / VEGETATION STRESS	☐	☐
OPEN SUMPS	☐	☐
NOXIOUS WEEDS	☐	☐
SURFACE CONDITION	WET ☐ DRY ☐	
ACCESS	ALL SEASON ☐ DRY SEASON ☐ WINTER ONLY ☐	
VEGETATION COVERAGE	GRASS ☐ ASPEN/WILLOW ☐ CONIFEROUS ☐	

NOTES
