



**UNDERGROUND HYDROCARBON STORAGE
 MECHANICAL INTEGRITY TEST FORM**

(3/18)

Narrative:

The following field procedure for the nitrogen/brine interface test must be completed and submitted with the final report (Procedure #UICLPG-23). Do not alter the format.

Facility Name:		Well Name:	
Type of MIT:	Casing	Cavern	Casing/Cavern

TEST PREPARATION	Date/time:
Wellhead inspection results: external corrosion, faulty valves, gasket leaks, etc)	

Brine pressure		Product pressure	
Cavern compressibility:			
Cavern pressure change < 10 psi/day			

PRE-NITROGEN INJECTION		
Base temperature log from surface to 50 ft below expected interface	Date/time:	Temperature (F):
Base density log (a minimum of 50 ft below the expected interface level or an acceptable depth above the casing seat)	Date/time:	Interface depth:
		Anomalies (washouts, etc)

PART 1: CASING TEST

Interval Depth	Nitrogen pressure	Brine pressure	Nitrogen temperature	Time nitrogen interface passed

Measure nitrogen with a meter. Terminate nitrogen injection when the interface depth is just above the casing seat.

CASING TEST			
Interval 1			
Test Start	Time:		
	Interface depth		
	N pressure		
	Brine pressure		
TEST END	Time:	Length of test:	
Density log	Interface depth:	Brine pressure:	Nitrogen pressure:
Comments: Note any interface movement or loss of nitrogen pressure. If interface is more than 10 feet above the effective casing seat, please explain why.			

PART 2: CAVERN TEST

Nitrogen/Brine Cavern Test		
Set interface below the casing and terminate nitrogen injection		
Test Length:		
START TEST	Date/Time:	
Brine:	Nitrogen:	Interface Depth:
Calculated Nitrogen Volume:		
END TEST	Date/Time	
Brine:	Nitrogen:	Interface Depth:
Calculated Nitrogen Volume:		
TEST RESULTS		
MDLR:	CLR:	

Liquid/Liquid Cavern Test		
Set interface below the casing and terminate nitrogen injection		
Test Length:		
START TEST	Date/Time:	
Brine:	Product:	Interface Depth:
Calculated Nitrogen Volume:		
END TEST	Date/Time	
Brine:	Product:	Interface Depth:
MDLR:	CLR:	

Comments:	
K.A.R. 28-45-16 requires that a licensed professional engineer or licensed geologist, or a licensed professional engineer's or licensed geologist's designee supervise all test procedures and associated field activity.	
Supervised by: (Print name)	
Company/Title:	
Signature:	Date: