

Genesis Test and Training Facility

Sugar Land, Texas

SITE

- Located on the Sugar Land, TX, USA campus near Houston

WELL

- Single well with 13³/₈-in casing cemented at 2,490-ft MD
- Option to add cement plugs for drilling tests

RIG AND FACILITIES

- 153-ft triple mast with 1,000,000-lbm static hook load
- 1,500-hp silicon-controlled rectifier (SCR) drive kelly rig, 350-tonUS hook load capacity
- 1,200-bbl mud system with two 1,600-hp mud pump and solids control systems
- 4½-in drillpipe, 7-in drill collars, and drill bits as needed
- Geoservices and directional services cabin
- Observation house on rig floor with Internet access and drilling data display
- Covered crane bay with 5-tonUS overhead crane, breakout machine, and 5-tonUS forklift
- Schlumberger and third-party services available (directional drilling, MWD, LWD, wireline, cementing, etc.)
- Available for continuous 24/7 testing and training

CONTACTS

For more information (including availability schedule and current well conditions), please contact:

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The Genesis Test and Training Facility is a Schlumberger-owned and -operated drilling rig available to Schlumberger, third parties, and customers for testing and training that has been operating since 1981. The original mission of the facility was to support new product development (NPD), and the scope has broadened to include operations training and segment SITs. It has proven to be an ideal location to demonstrate Schlumberger equipment and services for internal and external customers, enabling system validation in the privacy of our facility. Training groups use the rig to simulate real conditions, providing operations experience prior to working on an actual wellsite. For NPD, the Genesis facility has enabled testing in real rig and well environments, leading to the reduction of project risk prior to field test introduction.

Flow Loops

	Length, ft	Max. Flow Rate, galUS/min	Max. Pressure, psi	Mud Capacity, bbl
7,000-ft flow loop	7,000	1,200	4,000	1,200
600-ft flow loop	600	1,200	4,000	1,200
100-ft flow loop	100	1,000	3,500	290
Erosion flow loop†	n/a	1,000	800	180

†Erosion flow loop sand concentrations up to 3%
n/a = Not applicable



Training and testing.



Crane bay breakout machine.

Flow loop.

