

		
MicroPlug™ Case History		Pipe Recovery
Document Number	Approver Position	TENAX Energy Solutions
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Days stuck in well:

Location:

Stuck Depth:

TVD @ Stuck Depth:

Reeves / TX

13,469'

10,100'

### Scope of Work:

Free coiled tubing stuck during a millout.

### Background:

Workstring: 2.625" / 0.250" - 0.188" wall / HT125

TENAX tools: MicroPlug PR

Max Rate: 8bbls/min @ 5200psi

### Perforation Information

Gun Info: 3.375" OD guns w/120° phasing

Shots: 6spf / 21g RDX charge

0.38" EHD / 40" Penetration

Perforations to BHA: 1500

Regimen: 15 MicroPlugs every 25bbls fluid

Completion Specifics:

- 5.5" 20# P110
- 90° @ 9,800'
- PBTD @ 21,809'
- BHT - 200° BHP
- 2800psi

SITP: 2908psi

SICP:

Immediate Concerns:

Initially, the operating company was milling out plugs after completing fracturing operations. After milling out plug 56/68, the coiled tubing became stuck at 13,416' during a short trip.

### 2 Treatment:

Once the HydraShock technician arrived on location the decision was made to utilize MicroPlugs based on the crossflow, which required mechanical zonal isolation. A baseline rate of 8bbls/min was maintained at 5,200 psi and the initial 15 MicroPlugs were dropped. With the tubing at neutral weight, operations were continued with 15 MicroPlugs per 25bbls fluid pumped. After 270 MicroPlug seated significant pressure started to build and the coil was then gulled into and was free to POOH.