

	HydraCut Coiled Tubing		Treatment Date
			24/03/2018
	HydraCut CT Case History		Pages
			1/1
Document Number	Approver Position	Technical Engineer	
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Days stuck before called: 2

Location: Mckenzie/ND

Formation:

Scope Of Work:

Attempt to free stuck coil tubing unit with HydraShock, if un-successful deploy Hydracut and recover majority of the string.

Background:

Coil Tubing Size: 2 3/8"

HydraShock: 500 Series 1.45" HydraShock Rescue Tool and 1.45" HydraCut

SICP: 2,300 PSI

Completion Specifics:

- 5.5" 20#
- 90° - 11,300'
- TVD - 8,100'
- BHT- 280° F
- Obstruction- Sand and plug debris

HydraCut Specifics:

- 2 3/8" coil tubing .175"-.250"
- 11,229' Stuck Depth
- 10,400' Target cut depth

The customer was performing a composite drill out operation utilizing a 3.75 twister concave mill on 2-3/8" coil tubing. After drilling 11 weatherford composite plugs and 11 dissolvable magnum plugs the coiled tubing became stuck. The customer pumped 2.15 million scf of N2 and pulled to max string weight. Unable to move the

Treatment:

Upon the arrival of the Tenax downhole specialist they discussed wellbore conditions and immediate concerns with the onsite representative. A flow check of the coil string was performed, coil was drifted to ensure the CTRT and the HydraCut would fit if needed. An .9375" dissolvable ball was deployed and the disconnect shifted. Base line pressures were taken and a 1.45" CTRT was deployed with a Δn control ball on seat. Base line pressures where taken and recorded, the appropriate Δnball's were deployed. Δnball's were dropped in a series of three with coil tubing in tension. The customer decide to stop dropping balls and prepare to deploy the HydraCut. The appropriate calculations were done and the HydraCut was deployed in the pipe. The coiled tubing was pulled into tension. Once the HydraCut fired the string was free and brought to surface.

Tenax hotline was called. A team was deployed.