HydraCut	HydraCut Coiled Tubing		Treatment Date
			12-Jun-2018
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Document Number	Approver Position	Technical Engineer	
HC-0000-07	Approver Name	Logen Kanngiesser	

Days stuck before called: 4
Location: Glassrock/TX
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 5/8"
HydraShock: 500 Series 1.60" HydraShock Rescue Tool and 1.90" HydraCut

SICP: 0 PSI
Completion Specifics:

- 5.5" 20#
- 90° - 8,700'
- TVD - 8,800'
- BHT- 185° F
- Obstruction- Sand and plug debris

HydraCut Specifics:

- 2 5/8" coil tubing .175"-.250"
- 9,636' Stuck Depth
- 8,450' Target cut depth

After drilling out 19 scorpion plugs with a 2-5/8" coiled tubing unit the customer lost well head pressure and became detained. The customer had pumped and spotted N2 on the annuals of the well and left shut in for 24 hr. After multiple attempts pulling and setting in compression the decision was made to call Tenax.

Treatment:

When the Tenax Downhole Technicians arrived on location critical well information was gathered and the best course of action forward was formulated. A dissolvable ball was selected and pumped down hole to disconnect the BHA, once confirmation that the BHA was disconnected a 1.60" HydraShock CTRT was launched and seated on the coil connecter. The technicians proceeded to launch Δnball's in series of three, during the course of 12 Hr. 200' downhole was achieved during this period. During movement downhole wellhead pressure did not rise above 0 PSI and no movement up hole was obtained. Progress downhole slowed, and with no rise in wellhead pressure the client made the decision to cut the coiled tubing. Two mock runs were made simulating HydraCut to ensure accuracy in the fluid pump and down hole calculations. The appropriate Δnball's were pumped with the calculated fluid volume spaced out in-between, The HydraCut was loaded into the reel and launched downhole. The coiled tubing string was pulled into tension prior to cutting. HydraCut activated and the coiled tubing string was free, the well was circulated clean and coiled tubing pulled to surface. Once on surface the coil recovered was within 50' of target cut depth.