



MPD Solution: PRCD 1509 Casing Tripping

Pruitt PRCD 1509 tripped over 20,450 ft of 5 ½ inch TENARIS BLUE casing with surface mud temperature and pressure averaging 130° F and 630 psi on a single RCD element. Evidence on raising industry standards for performance.



The PRCD 1509 is a single or dual element, drill through bearing assembly with a static pressure rating of 1500 PSI. This model has been designed with a 9-1/32 inch drill through bore to allow for large drill pipe as well as smaller casing and other drill string components.

The PRCD 1509 comes equipped with a recirculating hydraulic power unit and clamp operating stand. The recirculating power unit is designed to circulate, cool, and filter the lubricating oil used in the closed-loop lubrication system. This added feature ensures longer life and durability of the bearing assembly.

Pruitt MPD Services recently completed an HPHT MPD drilling operation for a valued client.

After drilling was completed, a total of 20,471ft of 5 ½” TENARIS BLUE casing was tripped in the hole using only one RCD element. This was achieved using the PRCD 1509 with its 9-1/32 inch pass through bearing bore.

While running the casing, surface back pressure averaged 630psi with pressures up to 710psi in OBM with surface temperatures of 130° F.



Date	SBP AVG	SPP AVG	Depth From	Depth To	OPS	Total Depth
03/16/2019	255	851	7000	17494	TIH Casing	10494
03/16/2019	260	1187	17494	13482	POOH Casing	4012
03/16/2019	653	1272	13482	15984	TIH Casing	2502
03/16/2019	633	1288	15984	18817	TIH Casing	2833
03/16/2019	682	1384	18817	19477	TIH Casing	660
Cumulative Total Depth with Same Element						20501