

**Sundry Request –Hadar 10 Fed Com 2H (API No: 30-015-42346)****AAA 4-13-2015: 12-1/4" hole DVT/ECP Change****Sundry Request:**

Devon Energy Production Company, L.P. respectfully requests to eliminate the multi-stage tools in the 12-1/4" hole that is on the approved APD. Due to drilling the section with full returns, a single stage cement job is recommended. Please find below the operational summary and cement table. This was discussed with Ed Fernandez on April 11, 2015.

**Report Summary:**

ACTIVITY DATE	ACTIVITY DESCRIPTION
4/11/2015	Drilling 12-1/4" hole to TD at 4,320'; pump hi-vis sweeps with full returns.
4/12/2015	Run 9-5/8" casing to 4,320 circulate with no issues; pump single-stage cement job with full returns and 134 bbls of cement to surface.
4/13/2015	NU BOPs and test; GIH with BHA; drill out shoe track to 4330'; perform Formation Integrity Test to 10 ppg EMW and held 30 minutes—good test.

**CEMENTING TABLE:****TOC for all Strings:**

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
9-5/8" Intermediate Casing Single Stage	1295	12.6	8.81	1.73	Lead	(60:40) Poz (Fly Ash):Prem Plus C + 0.005 lbs/sack Static Free + 5% bwoc Sodium Chloride + 0.125 lbs/sack Cello Flake + 3 lbs/sk LCM-1 + 0.2% bwoc FL-52 + 0.005 gps FP-6L + 1% bwoc Sodium Metasilicate + 89.6% Fresh Water
	325	13.8	6.41	1.38	Tail	(60:40) Poz (Fly Ash):Prem Plus C + 0.005 lbs/sack Static Free + 5% bwoc Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.005 gps FP-6L + 0.25% bwoc Sodium Metasilicate + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.2% Fresh Water

Intermediate set @ 4,320' (Cement top reached surface with 134 bbls of cement recovery)