

Horse Hill Development Limited Operational summary of activity at Horse Hill 1	
Date	Summary
Sep-14	Mobilised rig; drilled 17-1/2" hole to 1795 ft (TD); ran in hole (RIH) 13-3/8"
Oct-14	RIH with 12-1/4" BHA; drilled out cement; drilled 12-1/4" hole to 6612 ft (TD); carried out 12-1/4" wireline logging run 1; ran 9-5/8" casing and cemented; RIH with 8-1/2" BHA; drilled out cement; drilled 8-1/2 hole to 8770 ft (TD); carried
Nov-14	Installed wellhead; suspended well; demobbed rig.
Feb-16	Mobbed workover rig; pumped cement plug to suspend deep section of well; perforated and carried out Lower Kimmeridge (KL3) flow test, including daytime
Mar-16	Perforated and carried out Upper Kimmeridge (KL4) and Portland flow tests, including daytime flow periods and nighttime PBU's; Portland flow test used a
25/06/18	Cranes arrived on Horse Hill (HH) & Broadford Bridge (BB) well sites; 5 loads at HH from MDC; 4 loads from BB wellsite to HH wellsite; enclosed flare unloaded;
26/06/18	Completed transport of well test (WT) equipment from BB to HH; BB crane demobbed; HH camp commissioned; WT completed spotting equipment &
27/06/18	Continued transporting miscellaneous equipment from BB to HH; continued
28/06/18	Completed transporting miscellaneous equipment from BB to HH; completed
29/06/18	Completed rigging up WT ancillary equipment and prepared for pressure testing spread; spotted and rigged up pumping equipment; tested BPV to 2000 psi/10
30/06/18	Continued pressure testing WT spread; nipped up blow out preventors (BOPs); function tested variable pipe and blind rams; pressure tested BOPs to 500 psi/5 mins; 2000 psi/10 mins - all good tests; performed accumulator tests - all good;
01/07/18	Completed final pressure tests on kill and choke lines; reverse circulated well to
02/07/18	Pulled tubing hanger and kill string; laid out (L/O) same; held well control drill; well secured in 50 seconds; completed pull out of hole (POOH) and L/O kill
03/07/18	Ran wear bushing; RIH with Weatherford bridge plug retrieval tool on 3-1/2"
04/07/18	Latched Weatherford tool onto bridge plug and allowed pressures to equalise - no flow observed; pressured up to 100 psi to confirm that plug unset; POOH with bridge plug on 3-1/2" work string; RIH with 450 ft 3-1/2" temporary kill
05/07/18	Retrieved temporary kill string; P/U and RIH with Portland test string; landed and tied down tubing hanger; terminated Oxmos cable through hanger; pressure
06/07/18	Rigged up slickline; RIH and retrieved plug and prong from SSD; POOH with completion to 3-1/2 x 2-7/8" crossover (X/O); RIH from X/O with a further 3
07/07/18	Retrieved kill string; RIH with Portland test completion; landed hanger; terminated Oxmos cable; pressure tested tubing to 250 psi/5 mins, 2500 psi/10
08/07/18	Slickline RIH and set plug and prong below packer; set packer; pressure tested to 2500 psi/10 mins - good test; pressure tested above packer to 2000 psi/10 mins - good test; installed production tree and rigged up lines to WT spread; pressure tested against BPV to choke manifold 500 psi/5 mins, 2000 psi/10 mins - good
09/07/18	Rigged up crane; rigged up rod BOPs - tested same to 1200 psi/10 mins - good test; commenced pumping; stopped pumping to allow bottom hole pressure
10/07/18	Continued pumping with LRP; shut in well for build-up
11/07/18	Continued pumping with LRP; shut well in for build up; re-commenced pumping
12/07/18	Continued pumping with LRP
13/07/18	Continued pumping with LRP; shut in well for build up; well free flowed, then re-started pumping with LRP; shut in well for build up; re-started pumping with

14/07/18	Continued pumping with LRP.
15/07/18	Continued pumping with LRP.
16/07/18	Continued pumping with LRP; increased stroke rate gradually; well shut in at
17/07/18	Well shut in for build up.
18/07/18	Well shut in for build up.