

1. Information	
Temporary Change <input type="checkbox"/>	Minor Change <input type="checkbox"/>
Medium Change <input checked="" type="checkbox"/>	Major Change <input type="checkbox"/>
Operator informed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	SodM informed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Contact name ^{5.1.2.e} <input type="text" value="5.1.2.e"/>	Contact name info@sodm.nl
Name ^{5.1.2.d} <input type="text" value="5.1.2.e"/>	Datum: 18-July-2022
Function:	Drilling manager
Project Name:	Nedmag VE-5/6 Drilling
Location:	Veendam
Proposed Adjustment:	Changes to VE-6 drilling program v1.2
2. Justification of MoC	
<p>INTRODUCTION</p> <p>Drilling program VE-6 v1.2 was submitted to SodM on April 22nd, 2022. Since then, VE-5 was drilled. The lessons learned from drilling VE-5 will be taken into account when drilling VE-6.</p> <p>LESSONS LEARNED</p> <p>The changes based on the lessons learned are:</p> <ul style="list-style-type: none"> • 24" hole will be drilled with KCI WBM <ul style="list-style-type: none"> ○ VE-5 silicate mud did not perform as planned (gumbos) and had to be changed out to KCI WBM. • From 18 ½" hole section onward OBM will be used <ul style="list-style-type: none"> ○ VE-5 silicate mud did not perform as planned (gelled up) and had to be treated to RIH the casing. • A new target (X: 250,452 Y: 569,154) was selected for VE-6, leading to a new trajectory, updated lithological column and slight adjustment of casing shoe depths <ul style="list-style-type: none"> ○ In VE-5, no bischofite was present in the borehole, only carnallite. Decision was made to drill VE-6 to the VE-7 cavern location • Pressure test on 16" casing reduced to 140 bar <ul style="list-style-type: none"> ○ With the adjusted pressure test the MEWHP criteria is fulfilled and the drilling of the well can be done. This was also done in VE-5. During the production phase of the well measures (monitoring) that were already planned will be followed. • Added pressure test of 7" tubing <ul style="list-style-type: none"> ○ The 7" tubing will be pressure tested by setting a WRBP on wireline to confirm that there are no leaks in the 7" tubing. This was also done in VE-5. • Added coring of salt section to program, is optional. <ul style="list-style-type: none"> ○ Same program as VE-5. If could be decided that OH logging is sufficient. The VE-5 OH logs are being compared with the cores done at VE-5. If the OH logs give the required information Nedmag may decide to cancel the coring. <p>Risk assessment:</p> <p>The risks after incorporation of the changes above have been assessed as similar to the risks before.</p>	
3. Reference(s)	
Drilling program VE-6 v1.2. For practical purposes, the changes above have been incorporated in v1.5 of the drilling program.	

Summary of Potential hazard (s):		Summary of Mitigation required (s), to mitigate risk (s): none	
4. Attachments: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

1. Initials - Approval of Modification and Proposed Mitigation(s)			
Reporter	5.1.2.e [Redacted]	5.1.2.e [Redacted]	5.1.2.e [Redacted]
WEP Drilling Manager	5.1.2.e [Redacted]	5.1.2.e [Redacted]	5.1.2.e [Redacted]
WEP Operations Manager	5.1.2.e [Redacted]	5.1.2.e [Redacted]	5.1.2.e [Redacted]
Nedmag project manager	5.1.2.e [Redacted]	5.1.2.e [Redacted]	5.1.2.e [Redacted]