



Meeting Minutes
SCG – Perth
Meeting # 5
5th March 2009

Apache Energy Limited (Apache), on behalf of the Van Gogh joint venture participants, is proposing to develop an oilfield, known as Van Gogh, off the Exmouth coast and an onshore gas processing hub known as Devil Creek Development Project (DCDP), approximately 40km southwest of Dampier, in northern Western Australia.

Apache has chosen to combine the Perth Stakeholder Consultation Group (SCG) meetings for the Van Gogh and Devil Creek Projects. Minutes from the combined SCG meeting are detailed below.

Meeting Details

Meeting location: Art Gallery of WA, Perth
Time: 11.00am – 12.30pm, including a light lunch.

Agenda

The meeting agenda was as follows:

1.	Welcome and Introduction	David Parker
2.	Devil Creek Development Project Progress	Roger Lewis
3.	Devil Creek Development Project Progress on Environmental Approval Process	Michael Cobb
4.	Van Gogh Development Project Progress – Construction / FPSO / Commissioning Schedule	Myles Hyams
5.	Van Gogh Development Project Progress on the Environmental Approval Process & Operations Environment Plan	Myles Hyams
6.	Van Gogh Development Project – SCG Comments on Operations Environment Plan	All
7.	Question and Answer session	All
8.	Agenda and Timing for Next Meeting	
9.	Lunch	

Attendees

The attendees at the meeting are listed in the table below.

#	Name	Company/Organisation	Title
Apache			
	Myles Hyams	Apache Energy	Environment Manager
	Michael Cobb	Apache Energy	Environmental Scientist
	David Parker	Apache Energy	Government and Public Affairs Manager
	Roger Lewis	Apache Energy	Devil Creek Project Manager

#	Name	Company/Organisation	Title
	HK Chiam	Apache Energy	Offshore Installation Manager
	Larissa Perry	Apache Energy	Environmental Assistant
Government			
1	Zoe Jones	Department of Mines & Petroleum	Senior Environmental Assessor, Petroleum
2	Natalie O'Neill	Department of Mines & Petroleum	Environmental Assessor
3	Ben Absalom	Department of Mines & Petroleum	Environmental Assessor
4	Kevin Crane	Department of Environment and Conservation	A/Senior Marine Conservation Officer
5	Arthur Ventham	Department for State Development	Ag General Manager
6	Don Edwards	Department for State Development	Project Manager – Investment Facilitation, New Projects North
7	Rebecca Ince	Department of Planning & Infrastructure (Marine Safety)	Research Officer
Non-Government Organisations			
8	Richard Ellis	Australian Petroleum Production & Exploration Association Limited	Director – WA

Minutes

David Parker welcomed & introduced all attendees. Roger Lewis presented a Devil Creek Development Project (DCDP) progress update for 20 minutes. Question and answer session followed for 10 minutes. Michael Cobb then presented a Devil Creek Development Project update on the Environmental Approval Process for 20 minutes. Question and answer session followed for 10 minutes.

Myles Hyams then provided a Van Gogh Development Project Progress update and Environmental Approvals Process update for 20 minutes. David Parker closed the meeting and thanked speakers and attendees.

The following minutes are a record of questions and answers recorded during and after the presentations.

Name	Comment/question	Action
Richard	In regards to the offshore installation for DCDP, why is there a window between the two dates?	
Roger	The offshore installation works are planned to take place in the most favourable weather conditions to minimise downtime due to adverse weather which includes cyclones. Whilst manufacturing of the linepipe is complete it has yet to be coated. The deferment and subsequent restart of the project has resulted in the work being rescheduled for end of Q4 2011 instead of Q4 2010 in order to target the optimum weather window for installation.	
Richard	Will the design of DCDP pipelines reflect what had happened at the Varanus Island (VI) pipeline incident? And is the pipeline installation for DCDP similar to Varanus Island?	
Roger	In terms of the pipeline incident on VI, the issues of several pipelines occurring within the one easement does not occur with	

Name	Comment/question	Action
	the DCDP as there is only a single pipeline.	
Myles	The DCDP will have a single three phase pipeline (containing gas, water and condensate) that will be buried from approximately 2km offshore and along the road reserve to the DCDP gas plant whereas on Varanus Island there were multiple pipelines coming ashore within a narrow easement.	
Roger	Real estate on Varanus Island is confined whereas at DCDP the lease area is a lot bigger, which is a more ideal situation from a design point of view	
Myles	Plus the DCDP pipeline is not a high pressure export pipeline whereas on Varanus Island there were two high pressure sales gas export pipelines located within the narrow pipeline easement.	
Don	What are the inspection techniques for the DCDP gas pipeline?	
Roger	Pig launcher and receivers have been installed for the pipeline which permit cleaning and inspection of the pipeline to be undertaken.	
Kevin	In relation to the HDD Program and turtle hatching season – is this program going to occur during or not during turtle hatching season?	
Michael	The HDD Program might overlap with the turtle hatching season but there is very low density of turtle breeding in the HDD area. Pelican point, further north of the HDD construction site on 40 mile beach provides more favourable habitat for turtle nesting activity. Turtle monitoring undertaken recently in December 2008 (as well as two other turtle surveys organised by Apache), found no evidence of any turtle nesting or hatchling activity in the vicinity of the HDD area. HDD drilling operations will be undertaken non stop (24hrs) to ensure the hole does not collapse. Any associated lighting will be managed so as to minimise any light overspill to the beach and nearshore areas. Marine observers will be employed to monitor for any turtle activity during HDD activities.	
Myles	Lighting associated with the HDD is not considered a risk to sea turtle breeding activity as the survey results show that the beach area directly opposite the pipeline crossing as well as that to the west and east, consists of a hard limestone substrate with no significant sand depth, making it not suitable for turtle nesting.	
Kevin	Can you please provide a copy of the Turtle Survey for December 2008?	
Michael	Yes, a copy of the survey will be provided.	MC to provide Turtle Survey
Kevin	I thought the HDD operations were not going to be 24hr?	
Michael	No, due to the inherent risk of a possible hole failure HDD drilling activity will be undertaken on a 24 hrs basis.	
Zoe	Why is the discharge to the marine environment from the HDD a 2-3 week period? Is there any way to delay this?	
Roger	The base case is to delay the 'punch-out' of the drilling operations to nearly the very end of the HDD section where it enters the marine environment, this minimises the volume of cuttings and drilling fluid released to the marine environment.	
Kevin	What is the status of the environmental approval for the Van Gogh Project and Operations EP?	
Myles	Apache has already received environmental approval from the	

Name	Comment/question	Action
	Commonwealth Government in August 2008. This approval was subject to the submission and approval of a construction Environment Plan (EP) and an Operation's EP. The Construction EP has been approved by both the Commonwealth Department of the Environment, Water, Heritage and the Arts as well as the WA Department of Mines and Petroleum (DMP). The Operations EP has been reviewed by both Departments and they have provided comments on the document. Awaiting SCG comments so these can be included in the document which will then be resubmitted to DEWHA and DMP for their approval prior to the commencement of operating the FPSO.	
Richard	Please explain what the concern is for interaction with whale migration and towing activities within the Exmouth Gulf for the van Gogh project.	
Myles	Exmouth gulf is a known resting area for humpback cows and calves on their southern migration. There is also record whale breeding activity that occurs within the Gulf. The issue is one of potential impact from vessel noise as well as vessel strikes to resting whales. This potential impact was avoided for the Project by restricting by only entering the Gulf Underwater noise and vessel strikes could affect the whales, Apache will minimise vessel noise and reduce interaction at peak times.	