

NEPA COMPLIANCE SURVEY #342

Project Information			
Project Title:	Down Hole Hammer	Date:	9-8-2011
DOE Code:	6730-020-72004	Contractor Code:	8600-002
Project Lead:	Mark Duletsky		
Project Overview 1. Brief project description [include anything that could impact the environment] 2. Legal location 3. Duration of the project 4. Major equipment to be used		<p>The purpose of this project is to test the functionality of Flexi Drill's Down the Hole Hammer. The project will run between 12 and 18 hours (drilling ~200 feet) on well 45-3-X-21. The test will likely end in the Madison or Amsden formation. The Down the Hole Hammer will use standard KCL Polymer Mud. It is not known at this time if the well will be plugged back or left open for another test. There is funding available to do an immediate plug back if that is the best course of action.</p> <p>45-3-X-21, 2315' FSL & 2323" FWL, Sec. 21, T39N, R78W, Natrona County, Wyoming U.S.A.</p> <p>2 Days</p> <p>Drilling Rig and Associated equipment.</p>	

The table below is to be completed by the Project Lead and reviewed by the Environmental Specialist and the DOE NEPA Compliance Officer. NOTE: If Change of Scope occurs, Project Lead must submit a new NEPA Compliance Survey and contact the Technical Assurance Department.

	Impacts Anticipated?			If YES, then complete below
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Water Quality				
Does the proposed project present potential for impacts on water resources or water quality?	<input type="checkbox"/>	X	<input type="checkbox"/>	This test will be conducted on a pre-existing drilling location with reserve pits and a protective ditch around the drilling rig.
Does the project affect surface water quantity or quality under both normal operations and accident conditions?	<input type="checkbox"/>	X	<input type="checkbox"/>	This test will be conducted on a pre-existing drilling location with reserve pits and a protective ditch around the drilling rig.
Does the proposed project affect groundwater quantity or quality under both normal operations and accident conditions?	<input type="checkbox"/>	X	<input type="checkbox"/>	The test will use standard KCL Polymer drilling mud, which will not contaminate ground water reservoirs if they are reached.
Will the project area include "Waters of the State?"	<input type="checkbox"/>	X	<input type="checkbox"/>	
Will the project area require a Corps of Engineers permit?	<input type="checkbox"/>	X	<input type="checkbox"/>	

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	Impacts Anticipated?			If YES, then complete below.
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Geology & Soils				
Does the proposed project present potential for impacts related to geology or soils?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The project will be conducted on a pre-existing well pad location.
Does the proposed project alter, excavate or otherwise disturb land area consistent with other land use and habitat area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the proposed project likely to impact local seismicity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If the project involved disturbance of surface soils, are erosion and storm water control measures addressed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Air Quality				
Does the proposed action present potential for impacts on ambient air quality under both normal and accident conditions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are potential emissions (gases and/or airborne particulates including dust) outside of the normal scope for oil field operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the project present risk to human health and the environment from exposure to radiation and hazardous chemicals in emissions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the project subject to New Source Performance Standards?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the project subject to National Emissions Standards for Hazardous Air Pollutants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the project subject to emissions limitations in an Air Quality Control Region?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

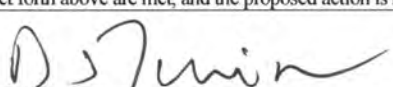
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	Impacts Anticipated?			If YES, then complete below.
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Wildlife and Habitat				
Does the proposed action present potential for impacts on wildlife or habitat?	<input type="checkbox"/>	X	<input type="checkbox"/>	
Does the project impact state or federally listed threatened and endangered species?	<input type="checkbox"/>	X	<input type="checkbox"/>	
Human Health Effects				
Does the proposed project present potential for effects on human health? e.g.: Hanta virus, radiological exposure, or chemical exposure (must provide MSDS)	<input type="checkbox"/>	X	<input type="checkbox"/>	A caustic additive is mixed with the Polymer mud and all appropriate PPE will be used to ensure there will be no adverse effects on human health.
Transportation				
Does the proposed project involve transportation of radiological sources or hazardous materials (including explosives)?	<input type="checkbox"/>	X	<input type="checkbox"/>	
Waste Management and Waste Minimization				
Are pollution prevention and waste minimization practices needed in the proposed project?	<input type="checkbox"/>	X	<input type="checkbox"/>	
Does project plan establish procedures in compliance with local, state and/or federal laws and guidelines affecting the generation, transportation, treatment, storage or disposal of hazardous and other wastes?	<input type="checkbox"/>	X	<input type="checkbox"/>	


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		Impacts Anticipated?			If YES, then complete below.
Cultural Impact		Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Is there potential for impact on cultural (historic) resources?		<input type="checkbox"/>	X	<input type="checkbox"/>	The test will occur on a pre-existing well pad.
Community Impact		Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Will the proposed project introduce significantly adverse auditory, visual, or other impact?		<input type="checkbox"/>	X	<input type="checkbox"/>	
Will the proposed project adversely affect the community's use of public land/resources?		<input type="checkbox"/>	X	<input type="checkbox"/>	
Will the proposed project adversely affect the community's access to private land?		<input type="checkbox"/>	X	<input type="checkbox"/>	
NOTE: Topography Map and Wetlands Map are required to be attached. Attach applicable SOPs for Risk Assessment Level 2 & 3 and specific test procedures.					
Are environmental permits required? If YES, list below:				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
WOGCC sundry notices and permissions.					
Section below to be reviewed by Environmental Specialist and DOE NCO.					
Adequate Mitigation Measures Provided?			Adequate Mitigation Measures Provided?		
	Yes	No		Yes	No
Water Quality Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transportation Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air Quality Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Waste Management Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wildlife and Habitat Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cultural Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Geology and Soils Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Community Impact	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Human Health Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Categorical Exclusion	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Approvals					
Comments and Conditions:	B3.7 Siting, construction, and operation of new infill exploratory and experimental (test) oil, gas, and geothermal wells, which are to be drilled in a geological formation that has existing operating wells.				
Contractor ESS&H					Date
Comments and Conditions:					
	The action(s) listed in this NEPA Compliance Survey are classes of actions (categorical exclusions) that DOE has determined do not individually or cumulatively have a significant effect on the human environment. The activity fits within a class of actions that is listed in appendix A or B to 10 CFR Part 1021. Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1A), I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review. Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1A), I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.				
DOE NEPA Compliance Officer	 for Mike Taylor				Date 9/8/11

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Air Quality Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Waste Management Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
*Wildlife and Habitat Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cultural Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
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DOE NEPA Compliance Officer	 for Milae Taylor						Date 9/8/11	

Revised 8/2/10 mjt

CX B 3.7 Michael J Taylor 9/11/11

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Cased Well for Testing / 45-3-X-21

