

NEPA COMPLIANCE SURVEY

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Project Information			
Project Title:	Advanced Formation Evaluation Tools	Date:	12-6-2010
DOE Code:	6730.020.51144	Contractor Code:	8067-795
Project Lead:	Frank Ingham		
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>Drill 8 1/2" hole through Tensleep with an Logging While Drilling (LWD). Work will consist of repeated drilling and logging , more drilling and going back to log the section, multiple times. Will change out LWD assembly and repeat multiple times. Work is on an existing hole utilizing existing equipment. Kicks, fires and fluid release are all potential environmental hazards. Standard operating practices will be utilized to monitor drilling operations. Stop work will be initiated in the event of potential environmental impacts.</p> <p>Proposed 45-3-X-21, NE SW Sec 21 T39N R78W</p> <p>2 weeks</p> <p>Drilling Rig</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"/>	Equipment pressures will be monitored and vehicle flow lines visually checked for integrity. If a spill occurs, stop work will be initiated and the leakage will be checked, contained and removed according to the RMOTC SPILL / LEAK/ RELEASE REPORTING AND CLEAN UP SOP EN.8013.00
Does the project affect surface water quantity or quality under both normal operations and accident conditions?	<input type="checkbox"/>	X	<input type="checkbox"/>	Equipment pressures will be monitored and vehicle flow lines visually checked for integrity. If a spill occurs, stop work will be initiated and the leakage will be checked, contained and removed according to the RMOTC SPILL / LEAK/ RELEASE REPORTING AND CLEAN UP SOP EN.8013.00
Does the proposed project affect groundwater quantity or quality under both normal operations and accident conditions?	<input type="checkbox"/>	X	<input type="checkbox"/>	
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"/>	
	Impacts Anticipated?			If YES, then complete below.
Geology & Soils	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Does the proposed project present potential for impacts related to geology or soils?	<input type="checkbox"/>	X	<input type="checkbox"/>	

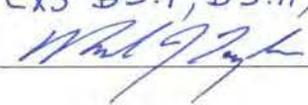
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Does the proposed project alter, excavate or otherwise disturb land area consistent with other land use and habitat area?	<input type="checkbox"/>	<input type="checkbox"/>	X	
Is the proposed project likely to impact local seismicity?	<input type="checkbox"/>	X	<input type="checkbox"/>	
If the project involved disturbance of surface soils, are erosion and storm water control measures addressed?	<input type="checkbox"/>	<input type="checkbox"/>	X	
Air Quality	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Does the proposed action present potential for impacts on ambient air quality under both normal and accident conditions?	<input type="checkbox"/>	X	<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"/>	X	<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"/>	X	<input type="checkbox"/>	
Is the project subject to New Source Performance Standards?	<input type="checkbox"/>	X	<input type="checkbox"/>	
Is the project subject to National Emissions Standards for Hazardous Air Pollutants?	<input type="checkbox"/>	X	<input type="checkbox"/>	
Is the project subject to emissions limitations in an Air Quality Control Region?	<input type="checkbox"/>	X	<input type="checkbox"/>	
	Impacts Anticipated?			If YES, then complete below.
Wildlife and Habitat	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
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	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
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"/>	
Transportation	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:

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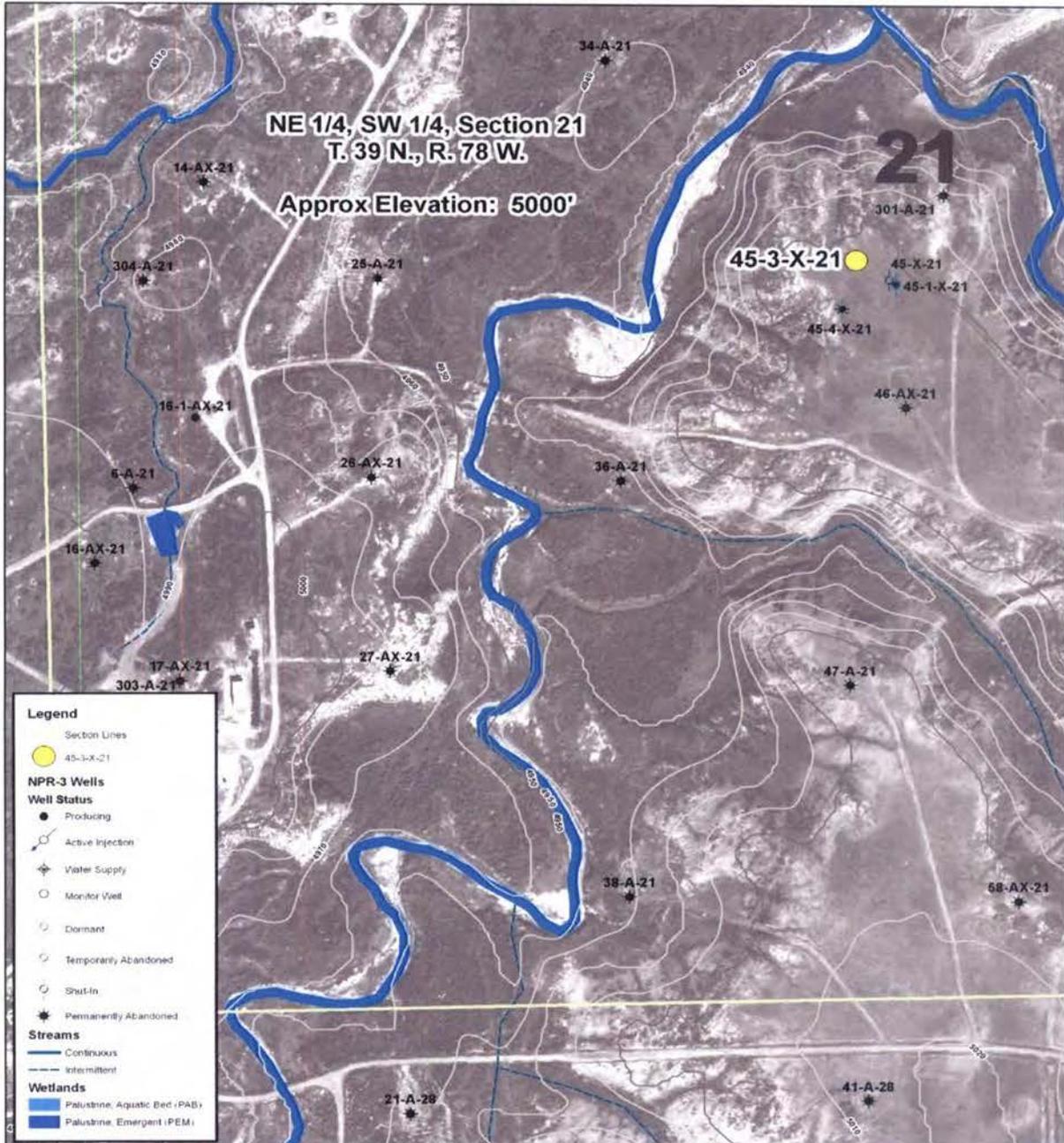
Does the proposed project involve transportation of radiological sources or hazardous materials (including explosives)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Waste Management and Waste Minimization	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:	
Are pollution prevention and waste minimization practices needed in the proposed project?	X	<input type="checkbox"/>	<input type="checkbox"/>	Standard operating practices will be utilized to monitor drilling operations and manage HAZMAT.	
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?	X	<input type="checkbox"/>	<input type="checkbox"/>	Standard operating practices will be utilized to monitor drilling operations and manage HAZMAT in compliance with established rules and regulations.	
	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"/>	Work is on an existing hole utilizing existing equipment.	
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 type="checkbox"/>	
				No X	
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:	<p>B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis.</p> <p>(a) Geological, geophysical (such as gravity, magnetic, electrical, seismic, and radar), geochemical, and engineering surveys and mapping, including the establishment of survey marks;</p> <p>(b) Installation and operation of field instruments, such as stream-gauging stations or flow-measuring devices, telemetry</p>				

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	<p>systems, geochemical monitoring tools, and geophysical exploration tools; (c) Drilling of wells for sampling or monitoring of groundwater or the vadose (unsaturated) zone, well logging, and installation of water-level recording devices in wells;</p> <p>B3.11 Outdoor tests and experiments for the development, quality assurance, or reliability of materials and equipment (including, but not limited to, weapon system components), under controlled conditions that would not involve source, special nuclear, or byproduct materials.</p> <p>B5.2 Modifications to oil, gas, and geothermal facility pump and piping configurations, manifolds, metering systems, and other instrumentation that would not change design process flow rates or affect permitted air emissions.</p> <p>B5.12 Workover (operations to restore production, such as deepening, plugging back, pulling and resetting lines, and squeeze cementing) of an existing oil, gas, or geothermal well to restore production when workover operations will be restricted to the existing wellpad and not involve any new site preparation or earth work that would adversely affect adjacent habitat.</p>	
Contractor ESS&H		Date
Comments and Conditions:		
	<p>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.</p>	
DOE NEPA Compliance Officer	CXS B3.1, B3.11, & B5.12. ALSO C-EA2 [B5.12] 	Date 12/10/10

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Advanced Formation Evaluation Tools / 45-3-X-21



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Author: J Buell	Project Manager: F Ingham
GIS: Pjg.6730.020.51144-1	Date: 11/18/2010
WY State Plane / East-Central Zone / NAD27	Scale: 1:3,000

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