

NEPA COMPLIANCE SURVEY

#307

Project Information			
Project Title:	TP Rotary Steerable Tool	Date:	7-29-10
DOE Code:	71096	Contractor Code:	8067-783
Project Lead:	Frank Ingham		
Project Overview	<p>The purpose of this project is to test a new design Rotary Steerable Tool (TP RS) that will drill a vertical hole by detecting hole deviation and correcting back to vertical. This test will coordinate with an ongoing drilling operation to allow the insertion of the TP RS tool downhole to accumulate a few hours of drilling time and footage as allowed in the cost estimate with minimal disruption of operations. Associated operations will be tripping, make up of Partner tools and insertion into BHA, tripping, drilling, tripping, breakdown, laydown, and load out of Partner tools. RMOTC ongoing drilling operations will then continue.</p> <p>NE SW Sec 21, T39N, R&W (45-3-X-21 well)</p> <p>Approximately 1 day</p> <p>Drilling Rig.</p>		
<ol style="list-style-type: none"> 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 			

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"/>	
Does the project affect surface water quantity or quality under both normal operations and accident conditions?	<input type="checkbox"/>	X	<input type="checkbox"/>	
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"/>	

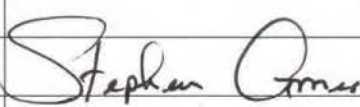
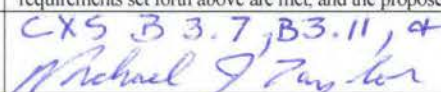
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Geology & Soils	Impacts Anticipated?			If YES, then complete below.
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Does the proposed project present potential for impacts related to geology or soils?	<input type="checkbox"/>	X	<input type="checkbox"/>	
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	N/A: The test is on disturbed ground and utilizes an existing well.
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	N/A: The test is on disturbed ground and utilizes an existing well.
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"/>	

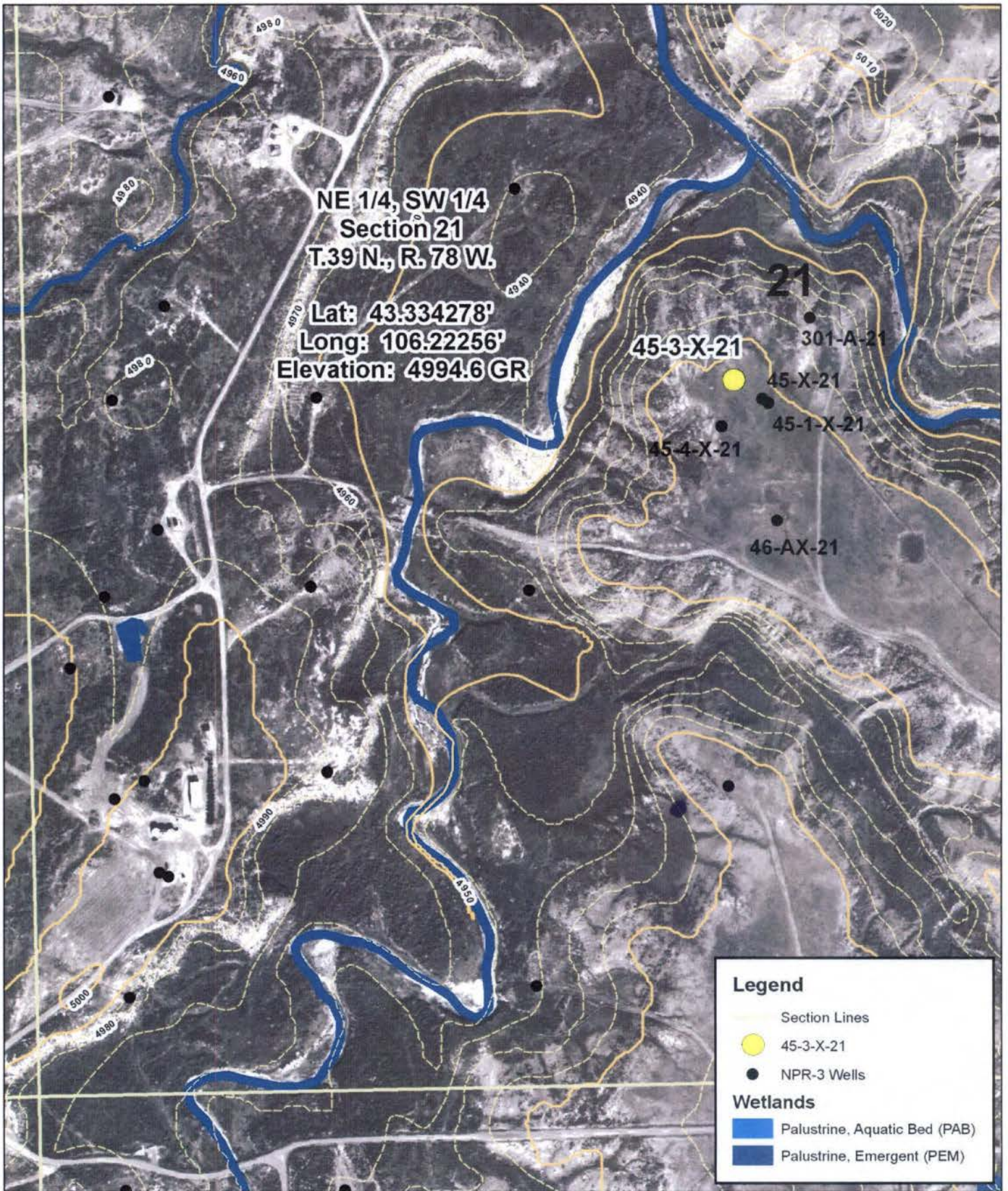
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	Impacts Anticipated?			If YES, then complete below.
	Yes	No	NA	If the anticipated impact might be unacceptable, recommend mitigation measures:
Wildlife and Habitat				
Does the proposed action present potential for impacts on wildlife or habitat?	<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)	X	<input type="checkbox"/>	<input type="checkbox"/>	Drilling Mud – MSDS will be maintained on site
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?	X	<input type="checkbox"/>	<input type="checkbox"/>	Standard industry practices will be utilized to control potential releases. Site will be bermed.
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 industry practices will be utilized to transport (DOT), dispose (WOGCC), store hazardous material (WY DEQ SHWD) <i>EQUIPMENT MUD. DRILLING</i>

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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"/>				
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 <input checked="" type="checkbox"/>		
Section below to be reviewed by Environmental Specialist and DOE NCO.									
Adequate Mitigation Measures Provided?						Adequate Mitigation Measures Provided?			
	Yes	No		Yes	No		Yes	No	
Water Quality Impacts	X	<input type="checkbox"/>	Transportation Impacts	X	<input type="checkbox"/>		X	<input type="checkbox"/>	
Air Quality Impacts	X	<input type="checkbox"/>	Waste Management Impacts	X	<input type="checkbox"/>		X	<input type="checkbox"/>	
"Wildlife and Habitat Impacts	X	<input type="checkbox"/>	Cultural Impacts	X	<input type="checkbox"/>		X	<input type="checkbox"/>	
Geology and Soils Impacts	X	<input type="checkbox"/>	Community Impact	X	<input type="checkbox"/>		X	<input type="checkbox"/>	
Human Health Impacts	X	<input type="checkbox"/>	Categorical Exclusion	X	<input type="checkbox"/>		X	<input type="checkbox"/>	
Approvals									
Comments and Conditions:	B.3.11 Outdoor tests, experiments on materials and equipment components, no source, special nuclear, or byproduct materials involved. B.5.12 Workover of existing oil/gas/geothermal well								
Contractor ESS&H							Date	8.23-10	
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	CX5 B 3.7, B3.11, & B5.12 						Date	8/24/10	

TP Rotary Steerable Tool



	TP Rotary Steerable Tool		
	Author: J Buett	Project Manager: F Ingham	
	GIS-Pj-6730.020.71096-1	Date: 08/12/2010	Rev Date:
	WY State Plane / East Central Zone / NAD27		Scale = 1:5,000



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