

NEPA COMPLIANCE SURVEY

310

Project Information	
Project Title: Express Stack Tools	Date: 11/16/2010
DOE Code: 6730.020.81023	Contractor Code: 8067-971
Project Lead: Brian Black	
<p style="text-align: center;">Project Overview</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 	<p>1) This project will test open and cased Hole logging tools in multiple wells. The tools to be tested include: natural gamma, borehole temperature, compensated neutron, compensated density with PE, dual induction/short guard, neutron prompt gamma, and acoustic televiewer tool. Radioactive sources will be run in the well as part of the toolstring.</p> <p>2) <u>48-X-28 well location</u>, SE ¼, SW ¼, Tsp 39N Rng 78W, Section 28; <u>45-3-X-21 well location</u>, NE ¼, SW ¼, Tsp 39N, Rng 78W, Section 21; <u>46-TpX-10 well location</u>, NE ¼, SW ¼, Tsp 38N, Rng 78W, Section 10.</p> <p>3) 1 day(10 hours)</p> <p>4) Wellbore only (partner will supply mast truck and wireline unit)</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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company
Does the project affect surface water quantity or quality under both normal operations and accident conditions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the proposed project affect groundwater quantity or quality under both normal operations and accident conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company
Will the project area include "Waters of the State?"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Will the project area require a Corps of Engineers permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

*Received ESS+H 11.22.10
mae*

NEPA COMPLIANCE SURVEY

	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Standard Operating procedures for handling radioactive source and applicable NRC radiation licences have been given to the ESS&H group for review.
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"/>	




NEPA COMPLIANCE SURVEY

	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company
Does the project impact state or federally listed threatened and endangered species?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Standard Operating procedures for handling radioactive source and applicable NRC radiation licences have been given to the ESS&H group for review.
Transportation				
Does the proposed project involve transportation of radiological sources or hazardous materials (including explosives)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Standard Operating procedures for handling radioactive source and applicable NRC radiation licences have been given to the ESS&H group for review.
Waste Management and Waste Minimization				
Are pollution prevention and waste minimization practices needed in the proposed project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radioactive sources will be used. SOPs (see attached USA Radiation Safety Manual) are provided for proper handling and transportation by the contracted logging company

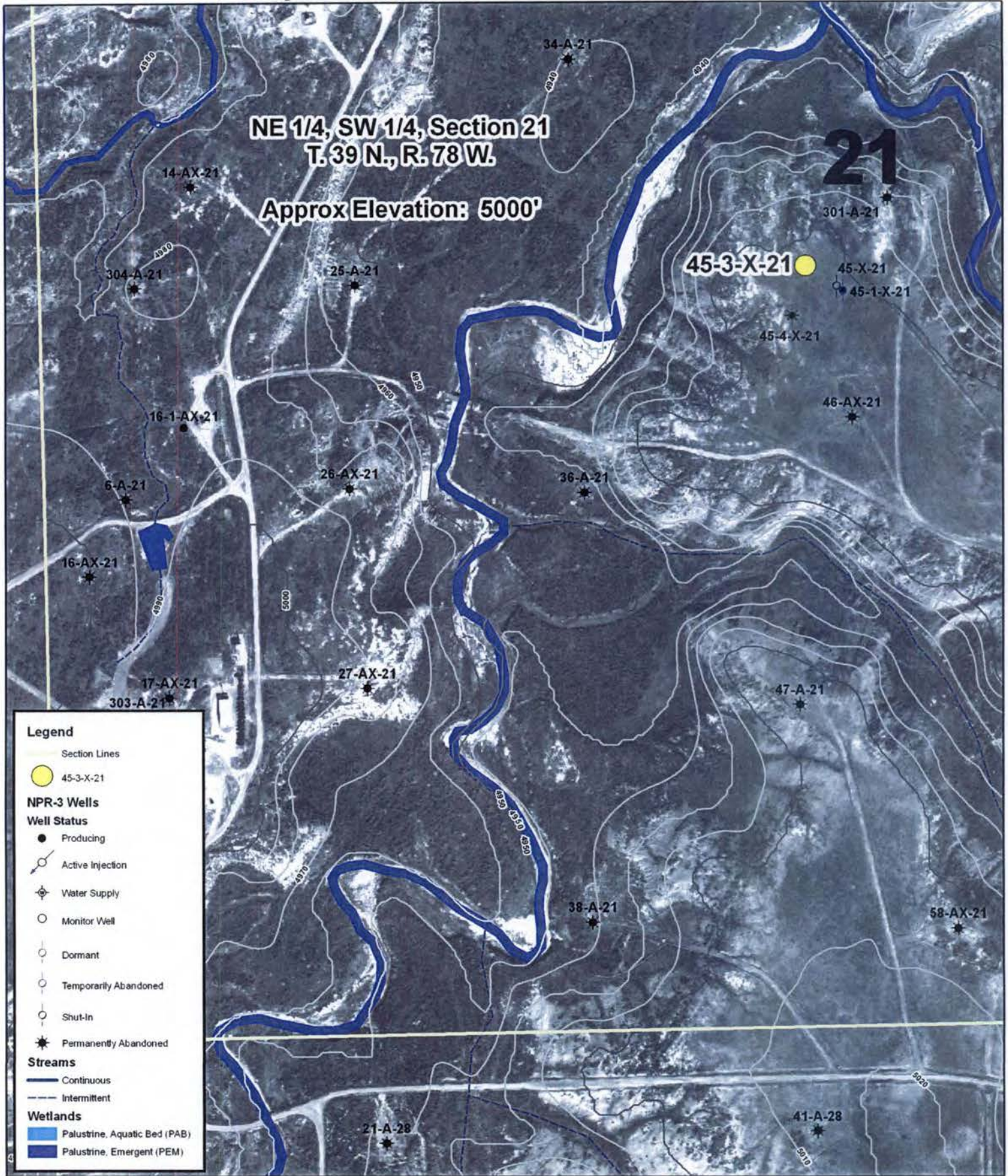
NEPA COMPLIANCE SURVEY

			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"/>	<input checked="" type="checkbox"/>	<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"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Will the proposed project adversely affect the community's use of public land/resources?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Will the proposed project adversely affect the community's access to private land?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<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 X	No
US NRC MATERIALS LICENSE							
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	X		Transportation Impacts	X			
Air Quality Impacts	X		Waste Management Impacts	X			
Wildlife and Habitat Impacts	X		Cultural Impacts	X			
Geology and Soils Impacts	X		Community Impact	X			
Human Health Impacts	X		Categorical Exclusion	X			
Approvals							
Comments and Conditions:	<p>B2.6 Packaging, transportation, and storage of radioactive materials from the public domain, in accordance with the Atomic Energy Act upon a request by the Nuclear Regulatory Commission or other cognizant agency, which would include a State that regulates radioactive materials under an agreement with the Nuclear Regulatory Commission or other agencies that may, under usual circumstances, have responsibilities regarding the materials that are included in the categorical exclusion. Covered materials are those for which possession and use by Nuclear Regulatory Commission licensees has been categorically excluded under 10 CFR 51.22(14) or its successors. Examples of these radioactive materials (which may contain source, byproduct or special nuclear materials) are density gauges, therapeutic medical devices, generators, reagent kits, irradiators, analytical instruments, well monitoring equipment, uranium shielding material, depleted uranium military munitions, and packaged radioactive waste not exceeding 50 curies.</p> <p style="text-align: center;">10 CFR § 51.22 Criterion for categorical exclusion; identification of licensing and regulatory actions eligible for categorical exclusion or otherwise not requiring environmental review.</p> <p style="text-align: center;">(c) The following categories of actions are categorical exclusions:</p> <p style="text-align: center;">(14) Issuance, amendment, or renewal of materials licenses issued pursuant to 10 CFR Parts 30, 31, 32, 33, 34, 35, 36, 39, 40 or part 70 authorizing the following types of activities:</p> <p style="text-align: center;">(xi) Use of sealed sources and/or radioactive tracers in well-logging procedures.</p>						

NEPA COMPLIANCE SURVEY

	 Adobe Acrobat Document USA Radiation Safety Manual	 Adobe Acrobat Document USNRC Lic 07-09	
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	Work with sources must comply with SOP : HE.11005.00 Radioactive Material. CX B2.6 		Date 11/18/10

Express Stack Tools / 45-3-X-21



Legend

- Section Lines
- 45-3-X-21

NPR-3 Wells

Well Status

- Producing
- Active Injection
- Water Supply
- Monitor Well
- Dormant
- Temporarily Abandoned
- Shut-In
- Permanently Abandoned

Streams

- Continuous
- Intermittent

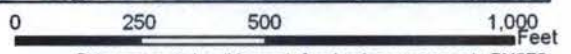
Wetlands

- Palustrine, Aquatic Bed (PAB)
- Palustrine, Emergent (PEM)



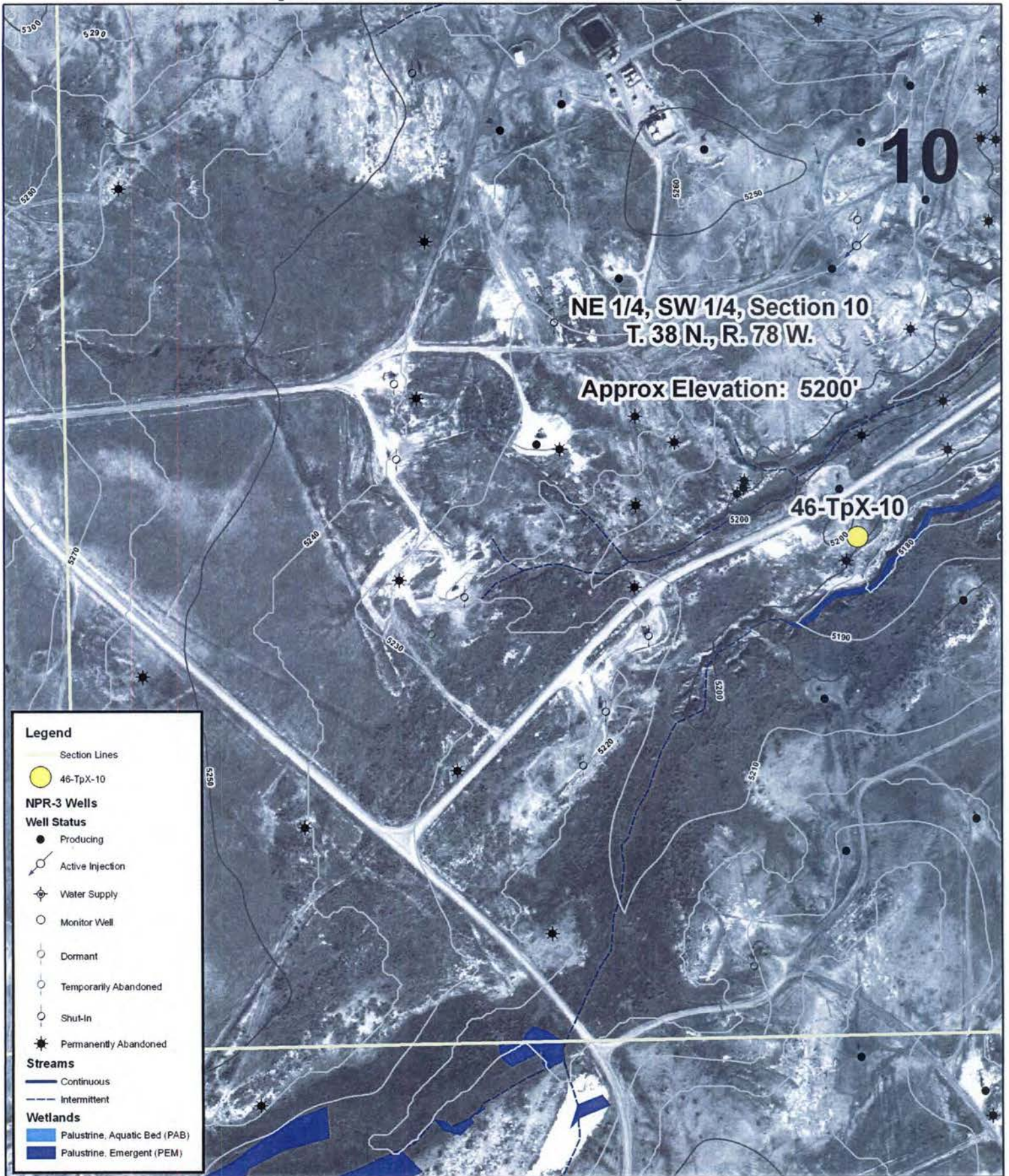
Express Stack Tools / 45-3-X-21			
Author: J Buel	Project Manager: B Black		
GIS-Prj-6730.020.81023-1	Date: 11/16/2010	Rev Date:	
WY State Plane / East Central Zone / NAD27		Scale = 1:3,000	

RMOTC
 907 N Poplar, Suite 150
 Casper, WY 82601
 307-233-4800



Data represented on this map is for planning purposes only. RMOTC makes no warranties as to its accuracy, reliability or completeness. Any use of this data is strictly the responsibility of the user. This is an uncontrolled RMOTC drawing.

Express Stack Tools / 46-TpX-10



Express Stack Tools / 46-TpX-10

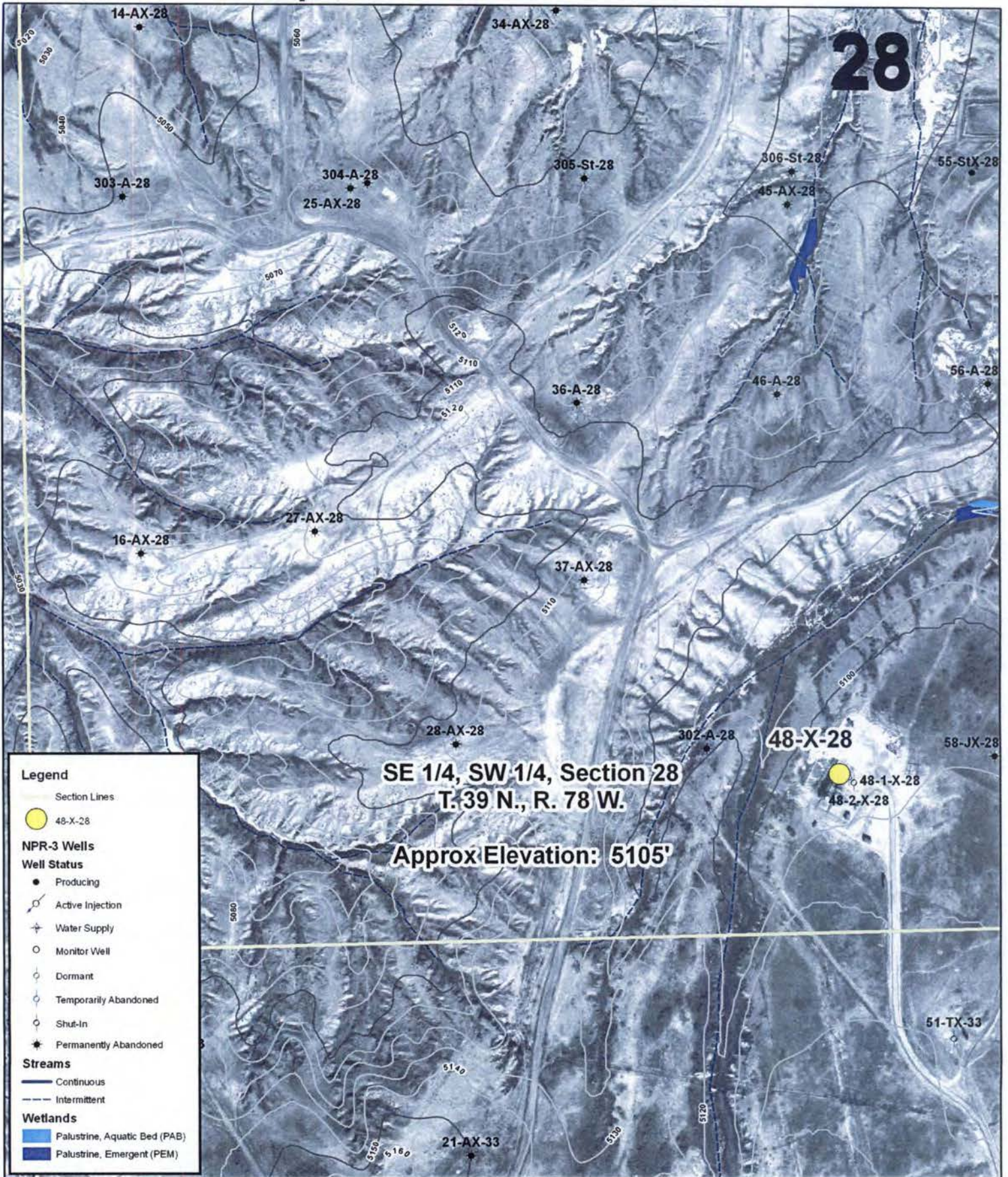
Author: J Buelt	Project Manager: B Black
GIS-Prj-6730.020.81023-1	Date: 11/16/2010
Rev Date:	Scale = 1:3,000
WY State Plane / East Central Zone / NAD27	

RMOTC
907 N Poplar, Suite 150
Casper, WY 82601
307-233-4800

0 250 500 1,000 Feet

Data represented on this map is for planning purposes only. RMOTC makes no warranties as to its accuracy, reliability or completeness. Any use of this data is strictly the responsibility of the user. This is an uncontrolled RMOTC drawing.

Express Stack Tools / 48-X-28



Legend

- Section Lines
- 48-X-28
- NPR-3 Wells**
- Well Status**
- Producing
- Active Injection
- Water Supply
- Monitor Well
- Dormant
- Temporarily Abandoned
- Shut-In
- Permanently Abandoned
- Streams**
- Continuous
- Intermittent
- Wetlands**
- Palustrine, Aquatic Bed (PAB)
- Palustrine, Emergent (PEM)

Express Stack Tools / 48-X-28

Author: J Buehl	Project Manager: B Black
GIS-Prj-6730.020.81023-1	Date: 11/16/2010 Rev Date:
WY State Plane / East Central Zone / NAD27	
Scale = 1:3,000	

RMOTC
 907 N Poplar, Suite 150
 Casper, WY 82601
 307-233-4800

0 250 500 1,000 Feet

Data represented on this map is for planning purposes only. RMOTC makes no warranties as to its accuracy, reliability or completeness. Any use of this data is strictly the responsibility of the user. This is an uncontrolled RMOTC drawing.