

NEPA COMPLIANCE SURVEY #257

| Project Information | | | |
|--|------------------|--|----------|
| Project Title: | TerrVici RSS III | Date: | 11-18-09 |
| DOE Code: | 6730.020.71088 | Contractor Code: | 8067-746 |
| Project Lead: | Frank Ingham | | |
| Project Overview 1. What are the environmental impacts? 2. What is the legal location? 3. What is the duration of the project? 4. What major equipment will be used if any (work over rig, drilling rig, etc.)? | | Null. We reentering an existing well with the rig currently in place on an existing pad and an existing pit. We will drill one or more directionally drilled laterals. The well will be plugged back when finished or left for a subsequent partner. The well is the 45-3-X-21, API# 49-025-23507, 2315" FSL & 2323" FWL of Sec 21, T39N, R78W The test is scheduled to last for approx 4 days. The test will use RMOTC Drilling Rig #1 | |

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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 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 effect groundwater quantity or quality under both normal operations and accident conditions? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 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"/> | |

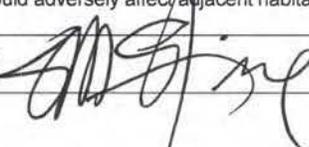
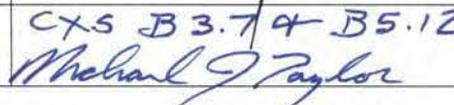
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| | Impacts Anticipated? | | | If YES, then complete below. |
|--|-------------------------------------|-------------------------------------|-------------------------------------|---|
| | Yes | No | NA | If the anticipated impact might be unacceptable, 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"/> | |
| 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"/> | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Best Management Practices will be used to prevent soil and silt erosion. |
| 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"/> | |

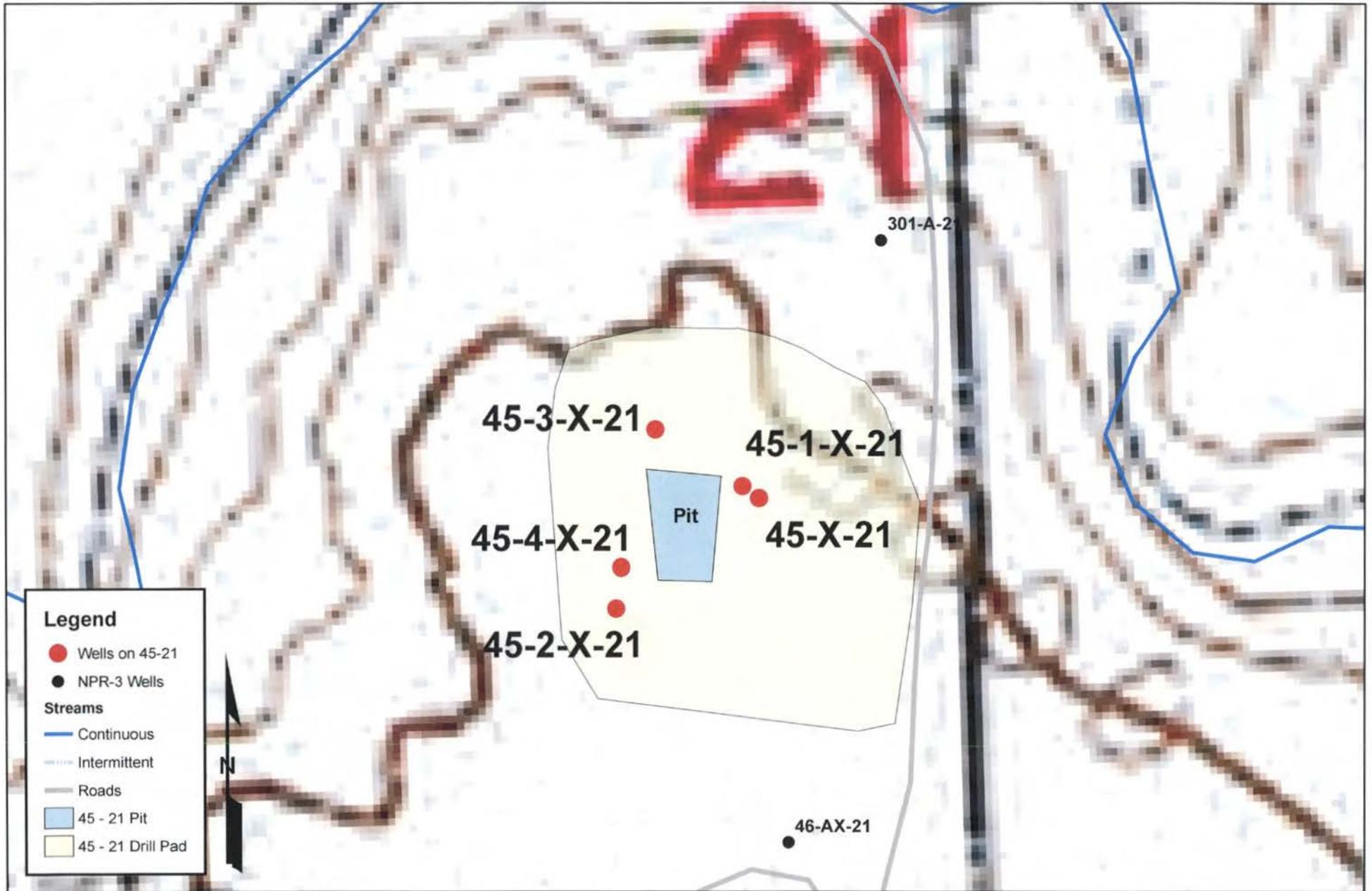
NEPA COMPLIANCE SURVEY

| | 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Transportation | | | | |
| Does the proposed project involve transportation of radiological sources or hazardous materials (including explosives)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 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"/> | Best Management Practices will be followed to prevent soil erosion. All hazardous materials will be secured and in proper containment areas. |
| 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"/> | A JSA will be completed prior to daily work assignments. SOPs will be reviewed for compliance to State and Federal regulations. |

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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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | This area was reviewed by an archeologist | |
| 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 permits required? If YES, list below: | | | | | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sundry to WOGCC | | | | | | | |
| 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 a new infill exploratory and experimental (test) oil, gas, and geothermal well, which are to be drilled in geological formations that have existing operating wells. 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 well pad and not involve any new site preparation or earth work that would adversely affect adjacent habitat. | | | | | | |
| Contractor ESS&H | S. Shire  | | | | | Date 11-19-09 | |
| Comments and Conditions: | | | | | | | |
| DOE NEPA Compliance Officer | CxS B3.7 & B5.12  | | | | | Date 11/20/09 | |

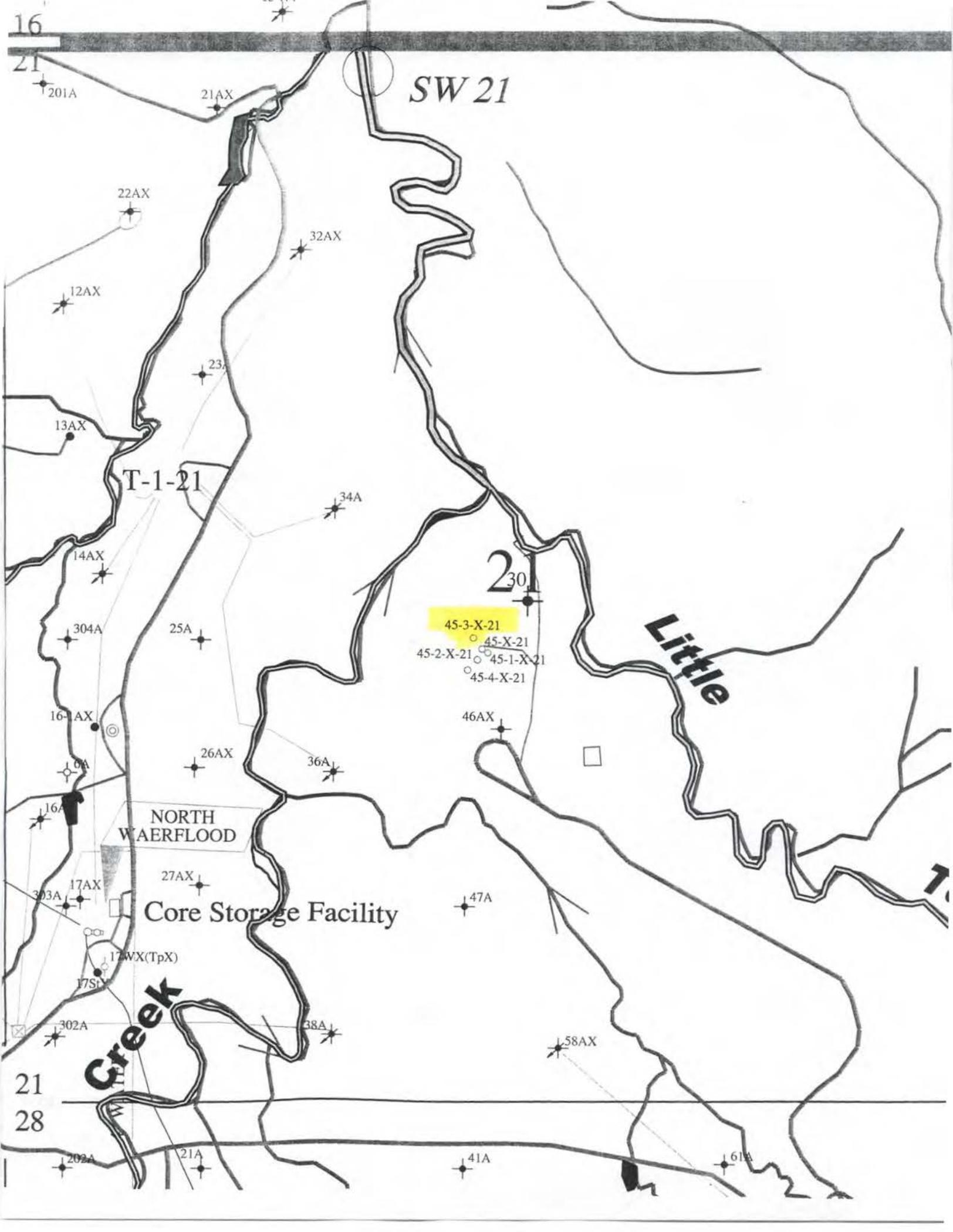
45-21 Test Well Layout



0 62.5 125 250 375 500 Feet
Wyoming State Plane / East Central Zone / NAD27

Data Source: RMOTC Database
4/10/2008

Project Manager: B Black
GIS: J Buelt



16

21

SW 21

T-1-21

230

Little

NORTH WAERFLOOD

Core Storage Facility

Creek

21

28

201A

21AX

22AX

12AX

13AX

14AX

304A

16AX

16A

303A

17AX

17WX(TpX)

17SX

302A

25A

26AX

27AX

32AX

34A

36A

38A

46AX

47A

58AX

41A

61A

45-3-X-21

45-X-21

45-2-X-21

45-1-X-21

45-4-X-21