

# NEPA COMPLIANCE SURVEY

#268.1

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(Revision 1)

| Project Information   |                                     |
|---|-------------------------------------|
| <b>Project Title:</b>   | New Drilling Location in Section 29 |
| <b>DOE Code:</b>  | 6730.020.78002                      |
| <b>Project Lead:</b>  | Mark Duletsky                       |
| <b>Date:</b>  | 12-10-2009                          |
| <b>Contractor Code:</b>   | 8067-371                            |
| <b>Project Overview</b><br>1. What are the environmental impacts?<br>2. What is the legal location?<br>3. What is the duration of the project?<br>4. What major equipment will be used if any (work over rig, drilling rig, etc.)?  |                                     |
| The project will involve excavating 3-4 backhoe pits to a depth of about 8 feet to observe soil characteristics in the vicinity of our planned reserve pit excavation area.<br><br>NE 1/4, SE 1/4, Sec. 29, T39N, R78W, Natrona County, Wyoming<br><br>1 day<br><br>Backhoe |                                     |

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.**

| Water Quality  | Impacts Anticipated?     |                                     |                          | If YES, then complete below<br><br>If the anticipated impact might be unacceptable, recommend mitigation measures: |
|--|--------------------------|-------------------------------------|--------------------------|--|
|  | Yes                      | No                                  | NA                       |  |
| 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"/> | No groundwater near surface in the area.   |
| 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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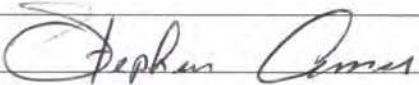

|  | Impacts Anticipated?                |                                     |                          | If YES, then complete below.  |
|--|-------------------------------------|-------------------------------------|--------------------------|---|
| Geology & Soils  | Yes                                 | 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | The pits will be reclaimed after inspection by RMOTC geologist, Greer Services archaeologist, and WOGCC representative                    |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | The pits will be backfilled upon completion of the project. and the project will be completed within 1 day under clear weather conditions |
| 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"/>            | <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.  |
|---|--------------------------|-------------------------------------|-------------------------------------|---|
| 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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | There will be no open excavations left after completion.                        |
| 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  | Yes                      | No                                  | NA                                  | If the anticipated impact might be unacceptable, recommend mitigation measures: |
| Does the proposed project present potential for effects on human health?<br>e.g.: Hanta virus, radiological exposure, or chemical exposure (must provide MSDS)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |   |
| Transportation  | Yes                      | No                                  | NA                                  | If the anticipated impact might be unacceptable, recommend mitigation measures: |
| 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   | 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?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <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"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |   |

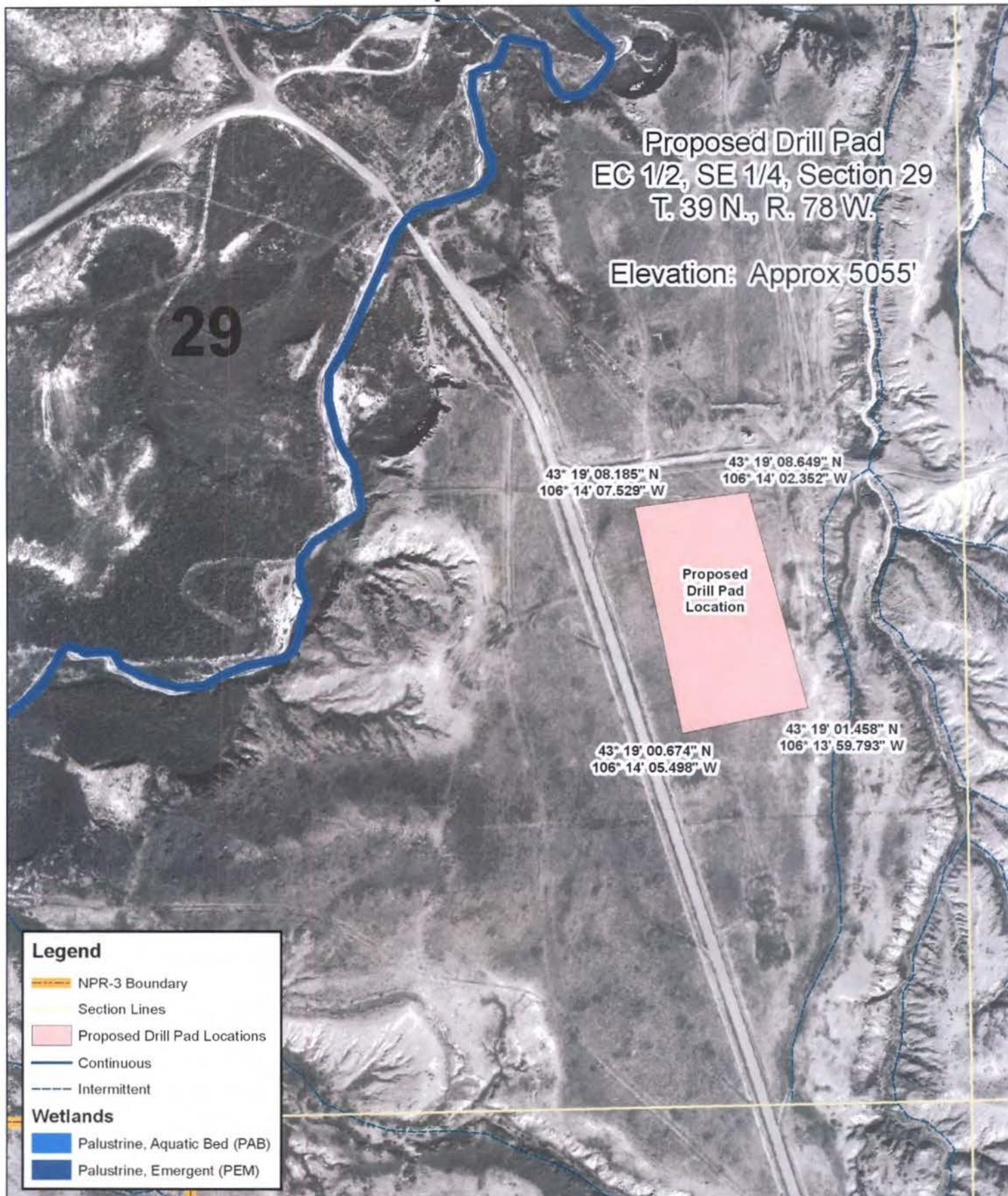


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|  |   |                          | Impacts Anticipated?                   |                                     |                          | If YES, then complete below.  |  |
|--|---|--------------------------|--|-------------------------------------|--------------------------|---|--|
| 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 checked="" type="checkbox"/>    | <input type="checkbox"/>            | <input type="checkbox"/> | There will be a Greer Services archaeologist on site when the pits are being dug. |  |
| 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"/> |   |  |
| <b>NOTE: Topography Map and Wetlands Map are required to be attached. Attach applicable SOPs for Risk Assessment Level 2 &amp; 3 and specific test procedures.</b> |   |                          |  |                                     |                          |   |  |
| Are 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                       |   |  |
| 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"/> | <b>Categorical Exclusion</b>           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |   |  |
| <b>Approvals</b>   |   |                          |  |                                     |                          |   |  |
| 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 <u>5-20-10</u>   |  |
| Comments and Conditions:   |   |                          |  |                                     |                          |   |  |
|  | 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  |    |                          |  |                                     |                          | Date <u>6/2/10</u>  |  |



## Section 29 - Proposed Drill Pad Location



| Section 29 - Proposed Drill Pad Location   |                  |                         |  |
|--|------------------|-------------------------|--|
| Author: J Buelt                            |                  | Maintenance: W Riesland |  |
| GIS-NEPA-6730.020.78002-1                  | Date: 08/24/2009 | Rev Date: 5/20/2010     |  |
| WY State Plane / East Central Zone / NAD27 |                  | Scale = 1:5,000         |  |

0 250 500 1,000 Feet

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.

# ARTS. PARKS. HISTORY.

Wyoming State Parks & Cultural Resources

State Historic Preservation Office  
Barrett Building, 3rd Floor  
2301 Central Avenue  
Cheyenne, WY 82002  
Phone: (307) 777-7697  
Fax: (307) 777-6421  
<http://wyoshpo.state.wy.us>

Feb 8, 2010

Michael Taylor  
Department of Energy  
Naval Petroleum and Oil Shale Reserves  
907 North Poplar Street, Suite 150  
Casper, WY 82601

Re: Class I Cultural Resource Survey (Multi Well Pad) (0210JRD005)

Dear Mr. Taylor:

Thank you for consulting with the Wyoming State Historic Preservation Office (SHPO) regarding the above referenced project. We have reviewed the project report and find the documentation meets the Secretary of the Interior's Standards for Archaeology and Historic Preservation (48 FR 44716-42). We concur with your finding that no historic properties, including site 48NA83, will be adversely affected by the project as planned.

We recommend the Department of Energy allow the project to proceed in accordance with state and federal laws subject to the following stipulation:

If any cultural materials are discovered during construction, work in the area shall halt immediately, the federal agency must be contacted, and the materials evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

This letter should be retained in your files as documentation of a SHPO concurrence on your finding of no historic properties affected. Please refer to SHPO project # (0210JRD005) on any future correspondence regarding this project. If you have any questions, please contact Joseph Daniele, Archaeologist at 307-777-8793.

Sincerely,

  
Joseph Daniele  
Wyoming State Historic Preservation Office



Lance Brandenburg  
Milward Simpson