

## CHECKLIST ENVIRONMENTAL ASSESSMENT

<b>Project Name:</b>	Mitchell Oil Sand Pit
<b>Proposed Implementation Date:</b>	Spring 2011
<b>Proponent:</b>	Mitchell Oil Field Service Reid-Mix Division
<b>Location:</b>	Section 36 T 6N R 60E
<b>County:</b>	Fallon

### I. TYPE AND PURPOSE OF ACTION

Sand removal on a section 30,000 cubic yards removed

### II. PROJECT DEVELOPMENT

#### 1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:

*Provide a brief chronology of the scoping and ongoing involvement for this project.*

#### 2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:

None

#### 3. ALTERNATIVES CONSIDERED:

Alternative A- Allow the sand pit  
Alternative B- No action

### III. IMPACTS ON THE PHYSICAL ENVIRONMENT

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" if no impacts are identified or the resource is not present.*

#### 4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:

*Consider the presence of fragile, compactable, or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.*

Alternative A- The proposed sand pit on located on a hill. Soil erosion may occur in and around the sand pit. Roads may have an impact on soil compaction

#### 5. WATER QUALITY, QUANTITY AND DISTRIBUTION:

*Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.*

Alternative A- an increase in water pollutants may occur.

Alternative B- No Impact

#### 6. AIR QUALITY:

*What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.*

Alternative A- Minimal pollutants may be produced during the development of pit. Should return to normal following development. Dust may increase in the area due to the removal of the sand.

Alternative B- No Impact

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**7. VEGETATION COVER, QUANTITY AND QUALITY:**

*What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.*

Alternative A- The site is in good range health and plants show average growth vigor. Disturbance to the site may have will be high at the pit location. Current plant species include, but are not limited to western wheatgrass (*Elymus smithii*), blue grama (*Bouteloua gracilis*), little bluestem (*Schizachyrium scoparium*), prairie sandreed (*Calamovilfa longifolia*), prairie junegrass (*Koeleria macrantha*), and native forbs. A mix of native plants will be seeded. If disturbance takes place along, it should be reseeded with a mix set by Eastern Land Office staff. The pit should be restored to the surrounding landscape.

Alternative B- No Impact

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**8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:**

*Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.*

Alternative A-Wildlife disturbance may occur with the increase in traffic around the pit

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**9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:**

*Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.*

Alternative A-There is no evidence of any sensitive species habitat in the scope of the project.

Alternative B- No Impact

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**10. HISTORICAL AND ARCHAEOLOGICAL SITES:**

*Identify and determine effects to historical, archaeological or paleontological resources.*

Alternative A-Upon inspection of the parcel by the Eastern Land Office staff no significant findings were noted on this parcel. Due to the small scope of the project, no significant impacts should occur.

Alternative B- No Impact

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**11. AESTHETICS:**

*Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.*

Alternative A- The pit mat affect the aesthetics.

Alternative B- No Impact

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**12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:**

*Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.*

Alternative A- No impact

Alternative B- No Impact

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**13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:**

*List other studies, plans, or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.*

None

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IV. IMPACTS ON THE HUMAN POPULATION
<ul style="list-style-type: none"><li>• <i>RESOURCES</i> potentially impacted are listed on the form, followed by common issues that would be considered.</li><li>• Explain <i>POTENTIAL IMPACTS AND MITIGATIONS</i> following each resource heading.</li><li>• Enter "NONE" if no impacts are identified or the resource is not present.</li></ul>

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**14. HUMAN HEALTH AND SAFETY:**

*Identify any health and safety risks posed by the project.*

Alternative A- There may be potential safety risks for laborers during the development of the line, but the potential risk is minimal with proper safety efforts.

Alternative B- No Impact

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**15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:**

*Identify how the project would add to or alter these activities.*

Alternative A- No impact

Alternative B- No Impact

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**16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:**

*Estimate the number of jobs the project would create, move, or eliminate. Identify cumulative effects to the employment market.*

Alternative A- No impact

Alternative B- No Impact

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**17. LOCAL AND STATE TAX BASE AND TAX REVENUES:**

*Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.*

Alternative A- No Impact

Alternative B- No Impact

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**18. DEMAND FOR GOVERNMENT SERVICES:**

*Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services*

Alternative A- No Impact.

Alternative B- No Impact

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**19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:**

*List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.*

Alternative A- No Impact

Alternative B- No Impact

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**20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:**

*Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.*

Alternative A- No Impact

Alternative B- No Impact

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**21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:**

*Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing.*

Alternative A- No Impact

Alternative B- No Impact

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**22. SOCIAL STRUCTURES AND MORES:**

*Identify potential disruption of native or traditional lifestyles or communities.*

Alternative A- No Impact

Alternative B- No Impact

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**23. CULTURAL UNIQUENESS AND DIVERSITY:**

*How would the action affect any unique quality of the area?*

Alternative A- No Impact

Alternative B- No Impact

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**24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:**

*Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.*

Alternative A- No impact

Alternative B- no impact

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<b>EA Checklist Prepared By:</b>	<b>Name:</b> Kimberly Haile	<b>Date:</b> 3-30-2011
	<b>Title:</b> Land Use Specialist	

**V. FINDING**

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**25. ALTERNATIVE SELECTED:**

Alternative A

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**26. SIGNIFICANCE OF POTENTIAL IMPACTS:**

Minimal and acceptable

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**27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:**

EIS

More Detailed EA

No Further Analysis

<b>EA Checklist Approved By:</b>	<b>Name:</b> Marc Aberg /s/ Marc A. Aberg
	<b>Title:</b> Eastern Land Office; Land Program Manager
<b>Signature:</b>	<b>Date:</b>