

**Worksheet**  
**Determination of NEPA Adequacy (DNA)**  
**U.S. Department of the Interior**  
**Bureau of Land Management**

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FIELD OFFICE: Stillwater Field Office, Carson City District

NEPA NUMBER: DOI-BLM-NV-C010-2012-0005-DNA

CASEFILE PROJECT NUMBER: NVN-085726, NVN-085727 Geothermal Leases, Unit Agreement NVN-88129X

PROPOSED ACTION TITLE/TYPE: Magma McCoy II Geothermal Drilling Permit 62-8 and 17-20.

LOCATION/LEGAL DESCRIPTION: T23N, R40E, Section 20 Section 8

APPLICANT: Magma Energy (U.S.) Corp.

**A. Description of the Proposed Action and any applicable mitigation measures**

Magma Energy (U.S.) Corp. proposes to drill two observation wells as part of their exploration of the geothermal resource potential of the McCoy II lease area in eastern Churchill County, northern Edwards Creek Valley. The project area which includes the proposed wells is located approximately 30 miles northwest of Austin, Nevada. Access to the site would be along existing roads. Vegetation and topsoil would be cleared and saved for later reclamation. Two well pads would be constructed: one well pad would be approximately 100 feet by 150 feet. The other would be triangular shaped to minimize impact based on the existing topography and would be approximately 200 feet long on one leg by 125 feet long on the other leg. The proposed sites were analyzed in DOI-BLM-NV-C010-2010-0514-EA.

**B. Land Use Plan (LUP) Conformance**

LUP Name: **Carson City Field Office Consolidated Resource Management Plan**

Date Approved: May 9, 2001

The proposed action is consistent with the applicable land use plan because it is clearly consistent with the following land use plan decisions, objectives, terms, conditions:

**Objective 1:** Encourage development of energy and mineral resources in a timely manner to meet national, regional and local needs consistent with the objectives for other public land uses.

**Objective 2:** Oil, gas, and geothermal exploration and production upon BLM land are conducted through leases with the Bureau and are subject to terms and stipulations to comply with all applicable federal and state laws pertaining to various considerations for sanitation, water

quality, wildlife, safety, and reclamation. Stipulations may be site specific and are derived from the environmental analysis process.

**C. Identify applicable National Environmental Policy Act (NEPA) documents and other related documents that cover the proposed action.**

Carson City District Office – Magma Energy (U.S.) Corp. McCoy II Geothermal Exploration Project, DOI-BLM-NV-C010-2010-0514-EA and FONSI/DR signed 10/18/2011.

**D. NEPA Adequacy Criteria**

**1. Is the new proposed action a feature of, or essentially similar to, an alternative analyzed in the existing NEPA document(s)? Is the project within the same analysis area, or if the project location is different, are the geographic and resource conditions sufficiently similar to those analyzed in the existing NEPA document(s)? If there are differences, can you explain why they are not substantial?**

The proposed action is within the project area analyzed in the Magma Energy (U.S.) Corp. McCoy II Geothermal Exploration Project, DOI-BLM-NV-C010-2010-0514-EA and FONSI/DR signed 10/18/2011. The proposed area has been culturally cleared.

**2. Is the range of alternatives analyzed in the existing NEPA document(s) appropriate with respect to the new proposed action, given current environmental concerns, interests, and resource values?**

Yes, environmental concerns, interests and resource values have not changed at all since the completion of the 2011 EA. The range of alternatives in the 2011 EA is still appropriate since the environmental constraints of the geothermal exploration have not changed.

**3. Is the existing analysis valid in light of any new information or circumstances (such as, range- land health standard assessment, recent endangered species listings, updated lists of BLM-sensitive species)? Can you reasonably conclude that new information and new circumstances would not substantially change the analysis of the new proposed action?**

Yes, the anticipated impacts to the resources have not changed. The proposed sites use an existing access roads. The proposed action will not have any adverse effect on the human health or environment.

**4. Are the direct, indirect, and cumulative effects that would result from implementation of the new proposed action similar (both quantitatively and qualitatively) to those analyzed in the existing NEPA document?**

Yes, the 2011 EA analyzed cumulative impacts on relevant resources. The cumulative impacts to public lands resulting from geothermal development would remain unchanged.

The analyzed action is not different from the construction of the EA proposed well pads and wells.

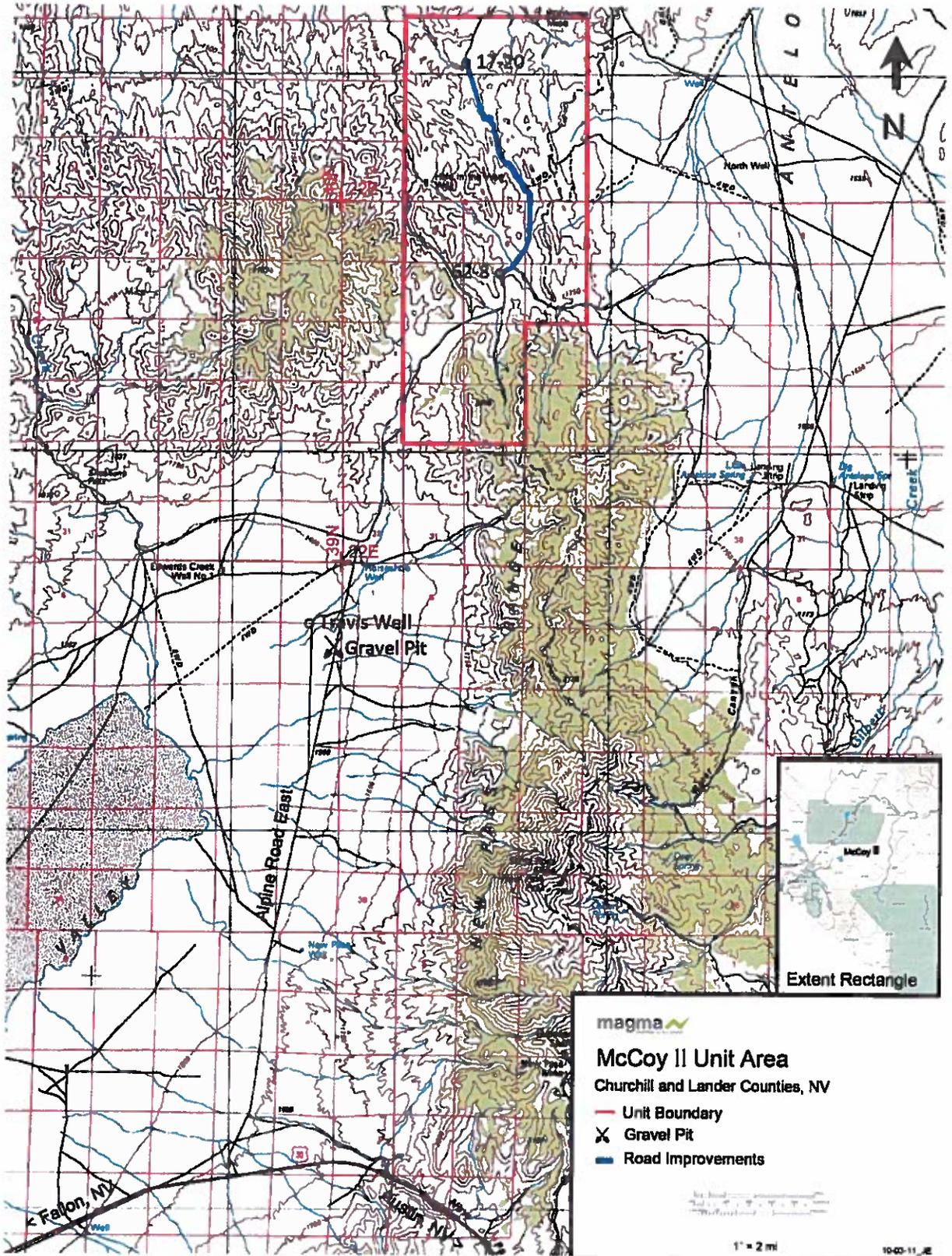
**5. Are the public involvement and interagency review associated with existing NEPA document(s) adequate for the current proposed action?**

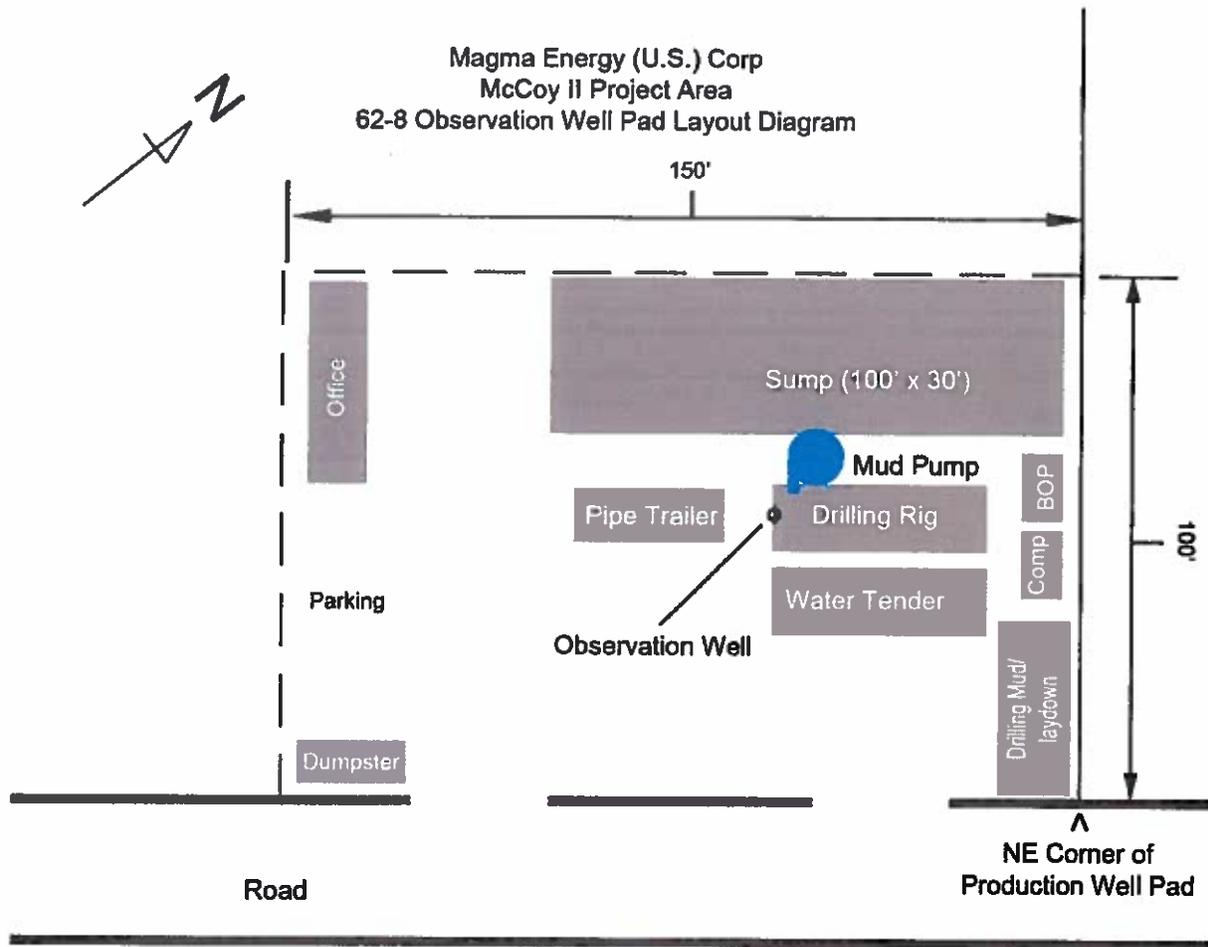
Yes, the geothermal resource exploration operations were analyzed in the 2011 EA which describes the public involvement. Consultation with other agencies and interested parties was conducted for that document. The Fallon Paiute Tribe will be notified via letter of the proposed construction of the well.

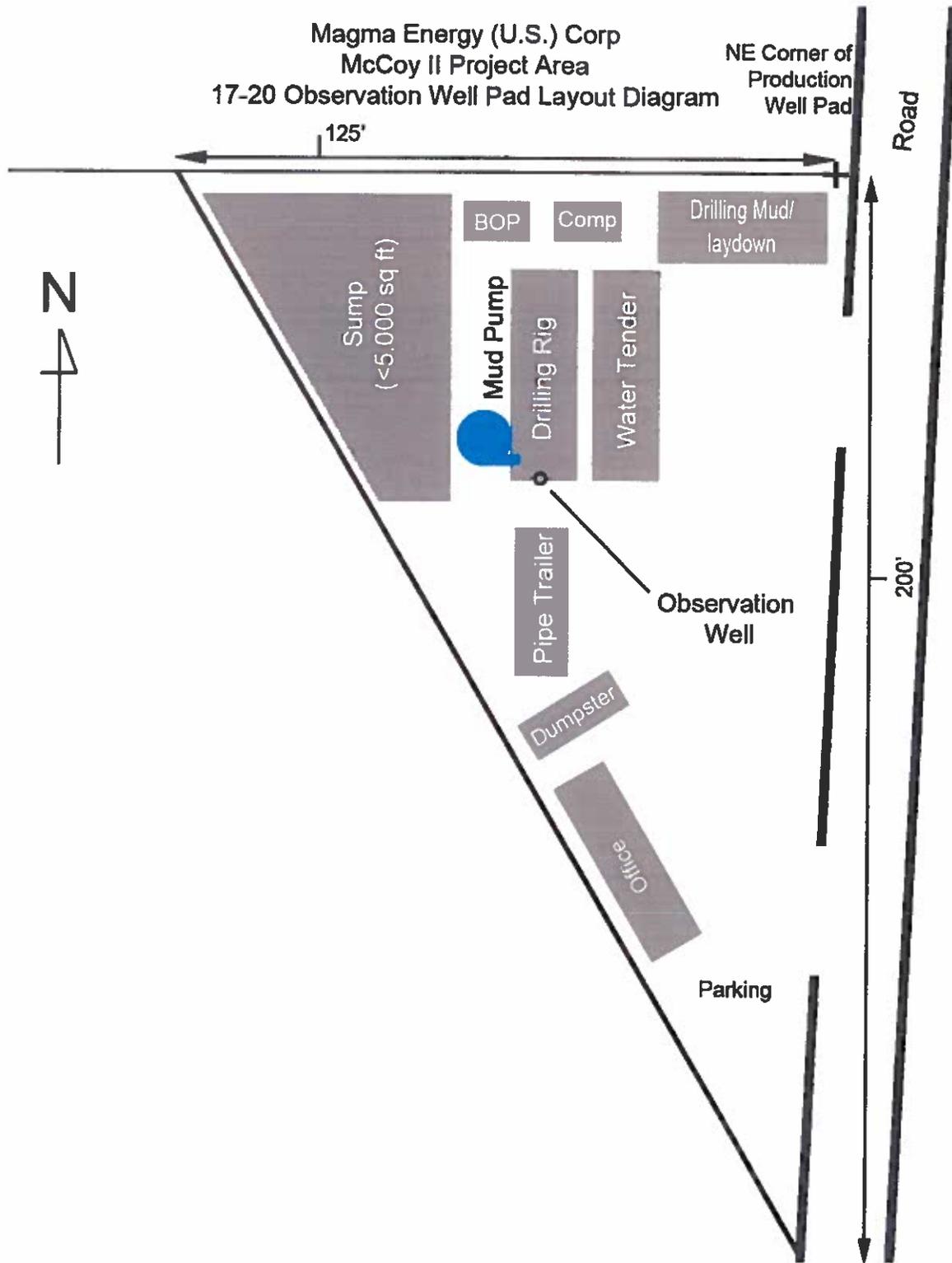
**E. Persons/Agencies/BLM Staff Consulted**

<u>Name</u>	<u>Title</u>	<u>Resource/Agency Represented</u>
Jason Wright	<i>Jan 10/11/11</i> Stillwater Archaeologist	BLM Carson City District

Note: Refer to the EA/EIS for a complete list of the team members participating in the preparation of the original environmental analysis or planning documents.







**Conclusion**

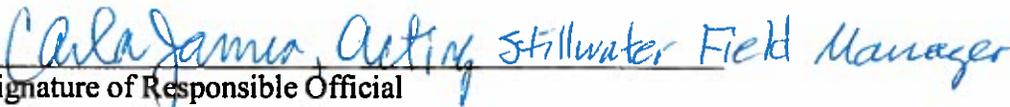
Based on the review documented above, I conclude that this proposal conforms to the applicable land use plan and that the NEPA documentation fully covers the proposed action and constitutes BLM's compliance with the requirements of the NEPA.



\_\_\_\_\_  
Signature of Project Lead



\_\_\_\_\_  
Signature of NEPA Coordinator



\_\_\_\_\_  
Signature of Responsible Official

Date 10-19-11

Note: The signed Conclusion on this Worksheet is part of an interim step in the BLM's internal decision process and does not constitute an appealable decision. However, the lease, permit, or other authorization based on this DNA is subject to protest or appeal under 43 CFR Part 4 and the program-specific regulations.