

DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

NORTHEASTERN LAND OFFICE

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DNRC NELO



(406) 265-5236 Telephone
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STATE OF MONTANA

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HAVRE UNIT OFFICE
PO BOX 868
210 SIXTH AVENUE
HAVRE, MONTANA 59501-0868

March 2, 2006

MEMORANDUM

LEGISLATIVE ENVIRONMENTAL
POLICY OFFICE

TO: Clive Rooney, Area Manager, Northeastern Land Office
Wanda J. Walks, Clerk, Mineral Leasing Section

FR: Dan Dobler, Havre Unit Manager, Northeastern Land Office *Dan Dobler*

RE: Seismic Permit No. 1478
Tesla Exploration, Inc. / Devon Energy Production Corporation
Cricket 3-D Project
Township 30 North, Range 18 East
Section 16: All
Township 31 North, Range 18 East
Section 36: All
Blaine County, Montana

Tesla Exploration, Inc. is proposing to conduct the Cricket 3-D seismic project across the two above referenced tracts of state land in conjunction with several tracts of deeded land. Tesla Exploration, Inc. will be conducting this seismic project on behalf of Devon Energy Production Corporation. This type of project will create low impact energy sources by using vibroseis equipment. This equipment is used to locate shallow natural gas producing formations below the surface.

This project will cross a majority of these two tracts of state land, especially since the recording lines will be placed every 300 feet. The project will occur primarily on native rangeland in west-central Blaine County. The surface impacts will be minimal and consist mainly from limited motorized vehicular travel across the surface and soil compaction from the vibrating platform and thumper truck tires. The native vegetation will be matted down in the area of the proposed project with this type of activity. If the proponent conducts this project during frozen or dry surface conditions and complies with the Departments terms and conditions for seismic activity on state land, this project will have minimal negative impacts to the native rangeland on these two tracts of state land.

I have attached an Environmental Assessment Checklist for your review. Please review the EA, sign and date it, and return a finalized copy to the Havre Unit Office. Please forward a copy of the executed EA Checklist to Connie Daruk, so that she may forward it to the Environmental Quality Council. I have also enclosed two copies of aerial photographs that contain areas highlighted in yellow that are "off-limits" to all the seismic recording vehicles for this project. All receiver lines located within these areas must be laid out by hand crews. The intermittent drainages on these two tracts are very steep, contain wet sub irrigated bottoms, and have tremendous woody plant species production that provides excellent wildlife cover and habitat. I am recommending that the Department issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across the two above referenced tracts of state land. I have added the following stipulations for Seismic Permit No. 1478.

1. Permittee shall contact the Havre Unit Office, 48 hours prior to commencing any surface activities at PO Box 868, Havre, MT 59501, phone (406) 265-5236.

2. The permittee shall be responsible for controlling any noxious weeds introduced by permittee's activity on state owned land and shall prevent or eradicate the spread of those noxious weeds onto land adjoining the leased premises.
3. This tract of state land does not contain any known significant archaeological, historic, or paleontological resources. If any of these resources are located in the direct route of the proposed seismic line, the permittee shall cease all activity and contact the Havre Unit Office and the Department Archaeologist in Helena immediately.
4. It is the responsibility of the permittee to make sure that the seismic company that has been contracted to do the seismic work under this permit has a valid permit with the county and has registered their bond with the Secretary of State's Office.
5. In order to prevent the introduction of noxious weeds on state lands, vehicles and ATV's used on state land must be power washed prior to use on the project.
6. The permittee shall contact the state's surface lessees, S Bar B Ranch Corporation – c/o Jack Davies and Davies Ranch Company – c/o Mark Davies, 48 hours prior to any seismic activity across these two tracts of state land.
7. Seismic activity will occur on dry or frozen ground only. No activity will be allowed during muddy conditions.
8. No vehicle oil changes or petroleum disposal shall occur on the state land.
9. There will be no off-road traffic other than necessary to accomplish the seismographic goals.
10. Vehicles will not be allowed to traverse steep slopes and drainages that are 25% or greater, or areas with very thin soils that may be rutted and left open to erosion. Attached you will find two copies each of aerial photos that contain areas highlighted in yellow that are "off-limits" to all seismic recording vehicles for this project. All receiver lines located within these areas will be placed by hand crews.
11. All gates will be closed, and all fences that are taken down will be repaired as soon as possible. All flagging tape will be removed from the roads and fences leading into the site, along designated routes, and fence lines indicating where gates are located, once the project is completed.
12. There are woody species present on these two tracts of state land like snowberry, woods rose, chokecherry, willow, buffaloberry, and silver sagebrush. Trucks should avoid these species by going around them. Steep woody draws are present and will be avoided by the seismic recording vehicles. If the permittee wants to cross any of the woody draws they must receive written permission from the Havre Unit Office on the agreed upon crossing location. The permittee will not cross Bean Creek, Grasshopper Coulee, or any of their tributary drainages.
13. The permittee shall settle all surface damages with the state's surface lessees within a reasonable time period following the completion of the proposed seismic project.

CHECKLIST ENVIRONMENTAL ASSESSMENT

Project Name: Seismic Permit No. 1478 – Cricket 3-D	Proposed Implementation Date: March 15, 2006
Proponent: Tesla Exploration, Inc., C/o Scott Lindenmuth, PO Box 383, Havre, MT 59501	
Type and Purpose of Action: Tesla Exploration, Inc. is proposing to conduct the Cricket 3-D seismic project across two tract of state grazing land. Tesla Exploration will be conducting the project on behalf of Devon Energy Production Corporation. Tesla Exploration, Inc. will not be allowed to traverse the steep slopes and creek bottoms that are found on these two tracts of state land. Tesla Exploration, Inc. is prohibited from crossing all of the woody drainages that exist on these two tracts of native rangeland.	
Location: All, Sec. 16, T30N, R18E & All, Sec. 36, T31N, R18E	County: Blaine County, Montana

I. PROJECT DEVELOPMENT

<p>1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED: Provide a brief chronology of the scoping and ongoing involvement for this project.</p>	<p>The Department of Natural Resources and Conservation (DNRC) has been petitioned by Tesla Exploration, Inc. to conduct the Cricket 3-D seismic project across the above referenced tract of state land. The Montana DNRC has sent out scoping letters to the state's surface lessees: S Bar B Ranch Corp. - c/o Jack Davies and Davies Ranch Co. - c/o Mark Davies, identifying the proposed seismic project across their respected surface leases with the State of Montana. Tesla Exploration, Inc. will settle damages to the native rangeland with these two individuals within a reasonable time period following the completion of the seismic project.</p>
<p>2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:</p>	<p>The Montana DNRC's, Havre Unit Office, Minerals and Management Bureau, and the Montana Board of Oil & Gas are the only governmental agencies with jurisdiction for this type of project on State School Trust Land. Tesla Exploration, Inc. will need to obtain a seismic permit from the Montana DNRC, prior to conducting any seismic activities on state land. The seismic company that has been contracted to do the seismic work under this permit (Tesla Exploration, Inc.) must have a valid permit with the county and has to have registered their bond with the Secretary of State's office.</p>
<p>3. ALTERNATIVES CONSIDERED:</p>	<p>Action Alternative: Grant Tesla Exploration, Inc. permission to conduct the Cricket 3-D seismic project for the exploration of natural gas across these two tracts of state land. Mitigation measures will be incorporated as stipulations to issuing the permit.</p> <p>No Action Alternative: Deny Tesla Exploration, Inc. permission to conduct the Cricket 3-D seismic project for the exploration of natural gas across these two tracts of state land.</p>

II. IMPACTS ON THE PHYSICAL ENVIRONMENT

RESOURCE	POTENTIAL IMPACTS
<p>4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE: Are fragile, compactible or unstable soils present? Are there unusual geologic features? Are there special reclamation considerations?</p>	<p>Action Alternative: The soils will receive a minimal disturbance on these two tracts of state land with this type of project. Seismic activity will only take place while the ground is frozen or dry. No activity will be allowed during muddy conditions. There are no unusual geological features present on these two tracts of state land. Most of the soils across this area are suitable for this type of activity. However, there are certain areas that are susceptible to erosion. These areas will be "off-limits" to all seismic recording vehicles for this project. Receiver lines will be laid out by hand crews in these areas. All vehicles and ATV's will not be allowed to traverse steep slopes that are 25% or greater, or areas of very thin soils that may be rutted and left open to erosion. Site specific stipulations have been added to ensure that the steep slopes and drainages will not be degraded by this project.</p> <p>No Action Alternative: The soils located on these two tracts of state land will not be disturbed. There will be no special reclamation considerations. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project to explore for natural gas formations across these two tracts of state land.</p>
<p>5. WATER QUALITY, QUANTITY AND DISTRIBUTION: Are important surface or groundwater resources present? Is there potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality?</p>	<p>Action Alternative: The location of the proposed seismic project does contain important surface and groundwater resources during different times of the year. The seismic company is prohibited from any seismic activity within 300 feet of any springs, water wells, streams, lakes or water storage reservoir facilities to maintain the integrity of these water resources. This type of activity does not have the potential to contaminate drinking water or degrade the present water quality that is found in these areas.</p> <p>No Action Alternative: The water quality, quantity, and distribution will not be impacted on these two tracts of state land. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project to explore for natural gas formations across these two tracts of state land.</p>

II. IMPACTS ON THE PHYSICAL ENVIRONMENT

6. AIR QUALITY: Will pollutants or particulate be produced? Is the project influenced by air quality regulations or zones (Class I airshed)?

Action Alternative: The project is expected to have a minimal impact on the air quality in the surrounding area. Traffic across the designated roads in these areas will be increased, throughout the entire length of time it takes to complete the project. However, after the seismic company completes the project traffic will return to normal in these areas.

No Action Alternative: The air quality found on these two tracts of state land will not be altered. No pollutants or particulates will be produced in this area. The Montana DNRC will not issue Tesia Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project to explore for natural gas formations across these two tracts of state land.

7. VEGETATION COVER, QUANTITY AND QUALITY: Will vegetative communities be permanently altered? Are any rare plants or cover types present?

The vegetative communities found throughout the native rangeland include the following plants: western wheatgrass (*Agropyron smithii*), needle-and-thread (*Stipa comata*), blue grama (*Bouteloua gracilis*), green needlegrass (*Stipa viridula*), sedges (*Carex spp.*), sandberg bluegrass (*Poa secunda*), cudweed sagewort (*Artemisia ludoviciana*), fringed sagewort (*Artemisia frigida*), dense clubmoss (*Selaginella densa*), silver sagebrush (*Artemisia cana*), woods rose (*Rosa woodsii*), common snowberry (*Symphoricarpos occidentalis*), sandbar willow (*Salix exigua*), chokecherry (*Prunus virginiana*) American elm (*Ulmus Americana*) and silver buffaloberry (*Shepherdia argentea*).

Action Alternative: The proposed project is expected to have a minimal impact on the vegetative cover, quantity, and quality. The vegetative communities in the immediate area of disturbance will be matted down with this type of activity. Rare plants or cover types will not be impacted with this type of project. There will be no vehicular activity, other than specified on the plat map. The seismic company will not be allowed to traverse up, down, or across the steep slopes that are found within the proposed project area. Woody draws are present in this area and will be avoided by the seismic recording vehicles during this project.

No Action Alternative: The vegetative communities found throughout the proposed project area will not be disturbed. Rare plants and cover types will not be altered. The Montana DNRC will not issue Tesia Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project to explore for natural gas formations across these two tracts of state land.

II. IMPACTS ON THE PHYSICAL ENVIRONMENT

<p>8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS: Is there substantial use of the area by important wildlife, birds or fish?</p>	<p>Action Alternative: The location of the proposed project is used by many different types of wildlife and bird species. Wildlife species will be temporarily dispersed in this area, throughout the course of the entire project. Wildlife and bird species found in this area will not be permanently relocated as a result of this type of activity. Once the project is completed, wildlife and bird species will return to normal activities in this area.</p> <p>No Action Alternative: The terrestrial and avian life and their associated habitats will not be altered. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES: Are any federally listed threatened or endangered species or identified habitat present? Any wetlands? Sensitive Species or Species of special concern?</p>	<p>Action Alternative: The timing of this project will take place while the ground is frozen or dry. This should minimize the disturbance to existing habitat types and the overall ecosystem. Federally listed, threatened, and endangered species will be able to migrate through this area with minimal disturbances. There are sensitive species and species of special concern known to use these areas as habitat. These species will not be impacted by the seismic activity on these two tracts of state land. The seismic company will complete their work in about a week and they will leave the area completely. All species found in this area will return to normal everyday activities once the seismic company leaves this area.</p> <p>No Action Alternative: The unique, endangered, fragile, and/or limited environmental resources found in the area of the proposed disturbance will not be impacted. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>10. HISTORICAL AND ARCHAEOLOGICAL SITES: Are any historical, archaeological or paleontological resources present?</p>	<p>Action Alternative: The Montana DNRC has surveyed the project area for existing cultural resources. No surface features have been observed during previous field evaluations. The Montana DNRC Archaeologist, Patrick Rennie, has been contacted for his input on possible cultural resource concerns in this area with this type of activity. He has seen no evidence that seismic activity such as this can impact cultural resources, if the proponent conducts this type of activity during dry or frozen surface conditions.</p> <p>(Continued on Next Page)</p>

II. IMPACTS ON THE PHYSICAL ENVIRONMENT

<p>10. HISTORICAL AND ARCHAEOLOGICAL SITES: Are any historical, archaeological or pale ontological resources present?</p>	<p>(Continued From Previous Page)</p> <p>No Action Alternative: No historical or archaeological resources will be impacted with this project on these two tracts of state land. The Montana DNRC's, Trust Land Management Division, Minerals Management Bureau will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>11. AESTHETICS: Is the project on a prominent topographic feature? Will it be visible from populated or scenic areas? Will there be excessive noise or light?</p>	<p>Action Alternative: The location of the proposed project is in a rural area in west-central Blaine County. This project will not be visible to the public. The project will create some excessive noise, throughout the entirety of the project. However, the noise levels will return to normal once the seismic activity is completed and the proponent leaves the area.</p> <p>No Action Alternative: The aesthetic character currently associated with these two tracts of state land will not be impacted. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY: Will the project use resources that are limited in the area? Are there other activities nearby that will affect the project?</p>	<p>Action Alternative: The native grazing land will be impacted with the proposed activity. The grass will be matted down from the tires on the thumper trucks and the vibrating platform that is used to send a shock wave through the earth to find natural gas formations in the soil below. The project will take place while the ground is frozen or dry in order to limit the impact on the native rangeland. The project will not use resources that are limited in the area. There are no other activities in the area that will affect the project.</p> <p>No Action Alternative: There will be no additional demands on the environmental resources of land, water, air or energy on these tracts of state land. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>

II. IMPACTS ON THE PHYSICAL ENVIRONMENT

<p>13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA: Are there other studies, plans or projects on this tract?</p>	<p>Action Alternative: The Montana DNRC will continue to monitor mineral and surface management activities on these two tracts of state land. The Montana DNRC will assess the impacts of this project on the surrounding ecosystem as well as the licensed activities that are currently taking place on this tract of state land, in order to better understand how this type of project impacts the environment.</p> <p>No Action Alternative: No further studies, plans, or projects will be needed if this project is denied. The Montana DNRC Trust Land Management Division will continue to perform field evaluations on these two tracts of state land every ten years to set stocking rates for the grazing land and monitor grazing management practices. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
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III. IMPACTS ON THE HUMAN POPULATION

RESOURCE	POTENTIAL IMPACTS AND MITIGATION MEASURES
<p>14. HUMAN HEALTH AND SAFETY: Will this project add to health and safety risks in the area?</p>	<p>Action Alternative: Tesla Exploration, Inc., its subcontractors, and/or their employees understand the risks involved with this type of project. They assume the risks involved in seismic projects as occupational hazards. The project will have no long-term impacts to the human health and safety of the people found in this area.</p> <p>No Action Alternative: The human health and safety risks found in this area will continue to remain minimal. There will be no human health or safety risks to the seismic company, subcontractors, and/or its employees, if this project is denied by the Montana DNRC. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>

<p>15. INDUSTRIAL, COMMERCIAL AND AGRICULTURAL ACTIVITIES AND PRODUCTION: Will the project add to or alter these activities?</p>	<p>Action Alternative: The Montana DNRC has set up special stipulations for the seismic company to ensure that the industrial, commercial, and agricultural activities will not be altered with this type of project. The native rangeland will be impacted from this type of activity. The impact to the native grass communities will be short term and the forage production will return to normal by next year, providing ample precipitation falls in this area. The proposed project will decrease the available forage production that is currently found on these two tracts of state land.</p> <p>No Action Alternative: The industrial, commercial, and agricultural activities found on these tracts of state land will not be altered. Native forage production will not be matted down on these two tracts of state land. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT: Will the project create, move or eliminate jobs? If so, estimated number.</p>	<p>Action Alternative: The project will not alter the quantity and distribution of employment in this area. The project will create short-term jobs for the seismic company's employees, but will have no impact on the local quantity and distribution of employment in this area.</p> <p>No Action Alternative: The quantity and distribution of employment will not be impacted in the surrounding area. The seismic company may have to eliminate jobs if they cannot find enough work for their employees throughout the year. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>17. LOCAL AND STATE TAX BASE AND TAX REVENUES: Will the project create or eliminate tax revenue?</p>	<p>Action Alternative: The project will not create or eliminate tax revenue in Blaine County. The local and state tax base will remain the same.</p> <p>No Action Alternative: The local and state tax base will not be impacted, if the project is not approved by the DNRC. The tax revenue in Blaine County will continue to remain the same. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>

<p>18. DEMAND FOR GOVERNMENT SERVICES: Will substantial traffic be added to existing roads? Will other services (fire protection, police, schools, etc) be needed?</p>	<p>Action Alternative: The project will increase traffic on the existing roads, throughout the entire length of time it takes to complete the project. Traffic will return to normal, once the seismic company has completed the project. The project will not require other services from police, fire departments, or schools.</p> <p>No Action Alternative: There will be no demand for additional government services on these two tracts of state land. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS: Are there State, County, City, USFS, BLM, Tribal, etc. zoning or management plans in effect?</p>	<p>Action Alternative: The goal of the Montana DNRC/TLMD is to manage the State of Montana's trust land resources to produce revenue for the trust beneficiaries, while considering environmental factors and protecting the future income-generating capacity of the land. There are no zoning or management plans in effect for this project.</p> <p>No Action Alternative: There will be no impacts to the locally adopted environmental plans or goals that the Montana DNRC/TLMD has for these two tracts of state land. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES: Are wilderness or recreational areas nearby or accessed through this tract? Is there recreational potential within the tract?</p>	<p>Action Alternative: These tracts of state land are not legally accessible to the public for recreational opportunities. Access to these tracts of state land is controlled by the surface lessees, since they own the surrounding land around these two tracts of state land. Upland game bird hunting, big game hunting, bird watching, and hiking are just some of the types of recreational activities that take place on these tracts of state land. The proposed project will not alter these activities for future recreational use.</p> <p>No Action Alternative: The access to and quality of the wilderness and recreational activities found in this area will continue to remain the same. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>

<p>21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING: Will the project add to the population and require additional housing?</p>	<p>Action Alternative: The density and distribution of population and housing will not be impacted with the approval of the proposed project. The proposed project will increase traffic on the designated roads into the area of the project, until the seismic project is completed. This area primarily consists of native grazing lands located in a rural area.</p> <p>No Action Alternative: The density and distribution of population and housing will not change in this area. The project will not add to or decrease the population in this area. No additional housing will be required for this project. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>22. SOCIAL STRUCTURES AND MORES: Is some disruption of native or traditional lifestyles or communities possible?</p>	<p>Action Alternative: This project will have a minimal impact on the traditional lifestyles found within the surrounding area. The social structures and mores will not be altered with the proposed seismic project.</p> <p>No Action Alternative: The social structures and mores will continue to stay the same. The native and traditional lifestyles found in this area will not be disrupted. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>
<p>23. CULTURAL UNIQUENESS AND DIVERSITY: Will the action cause a shift in some unique quality of the area?</p>	<p>Action Alternative: The proposed project will not cause a shift in any of the unique qualities that are found within the surrounding area. The seismic project will not change the cultural uniqueness and/or the diversity found on these two tracts of state land. The seismic project will not be visible within a year.</p> <p>No Action Alternative: The cultural uniqueness and diversity of the land will remain the same. The Montana DNRC will not issue Tesla Exploration, Inc. a seismic permit to conduct the Cricket 3-D seismic project across these two tracts of state land.</p>

IV. FINDING	
25. ALTERNATIVE SELECTED:	Action
26. SIGNIFICANCE OF POTENTIAL IMPACTS:	N.S. I.
27. Need for Further Environmental Analysis: <input type="checkbox"/> EIS <input type="checkbox"/> More Detailed EA <input checked="" type="checkbox"/> No Further Analysis	

EA Checklist Approved By: Clive Rooney
Name

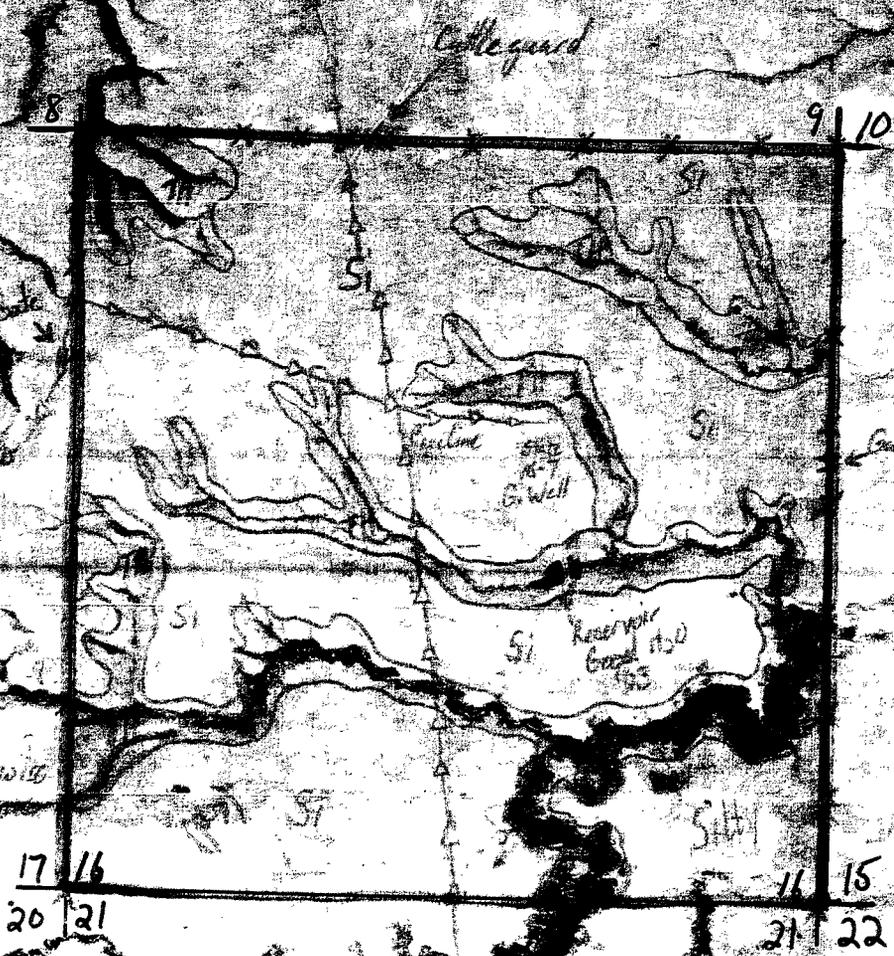
Area Manager, Northeastern Land Office
Title


Signature

3/6/6
Date

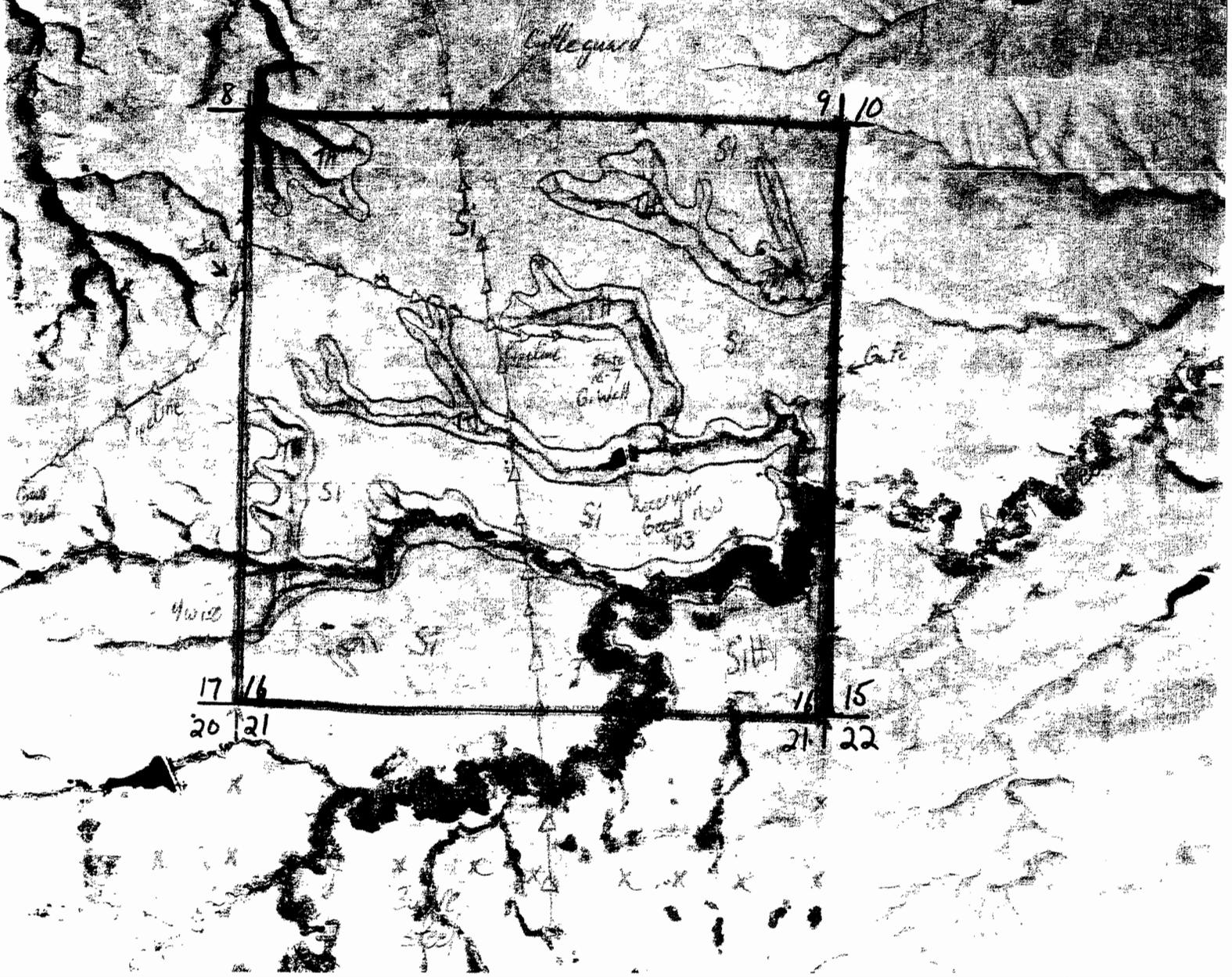
Seismic Permit No. 1478 - Cricket 3-D
State Surface & Minerals - All - Devon Energy
All, Sec. 16 - T30N - R18E - Blaine County, MT
Lessee: Davies Ranch Co. - % Mark Davies

= Areas that are "off limits"
to all seismic recording
vehicles for this project. All
receiver lines must be laid
out by hand crews only!



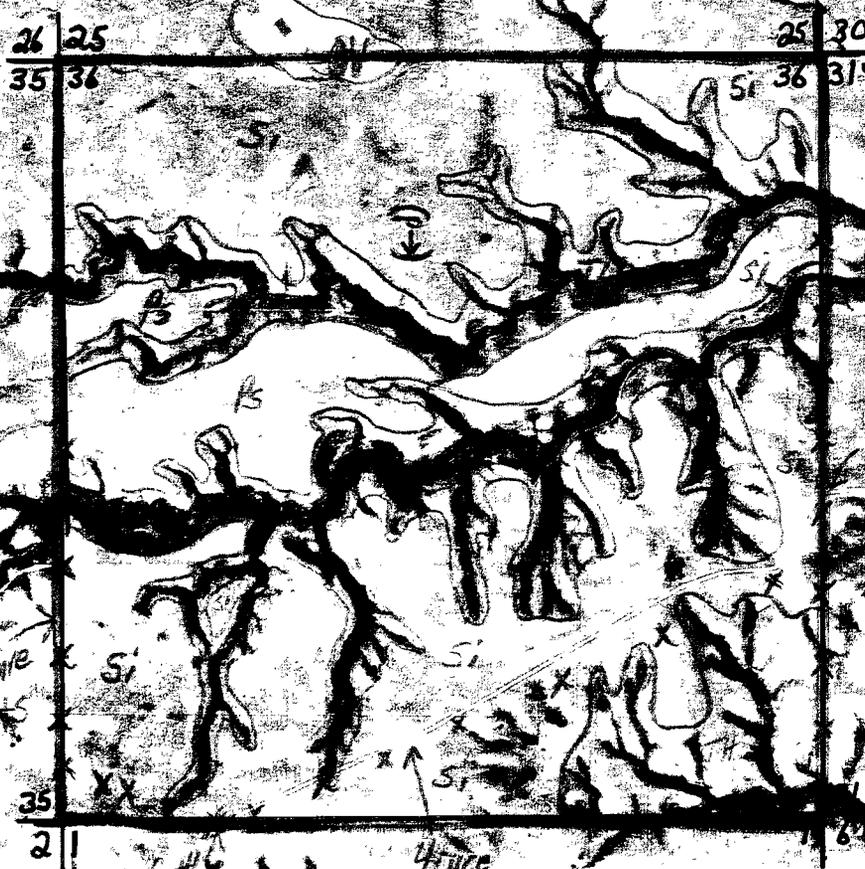
Seismic Permit No. 1478 - Cricket 3-D
State Surface & Minerals - All Devon Energy
Alli Sec. 18-730N-R18E - Blaine County, MT
Lessee: Davies Ranch Co. - 1/8 Mark Davies

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Seismic Permit No. 1478- Cricket 3-D
State Surface + Minerals - All Devon Energy
All; Sec. 36, T31N, R18E - Blaine County, MT
Lessee: S Bar B Ranch Corp. - % Jack Dawles

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crews!



Seismic Permit No. 1478 - Cricket 3-D
 State Surface & Minerals - All-Devon Energy
 All, Sec. 36, T31N, R18E - Elaine County, MT
 Lessee: S Bar B Ranch Corp. - % Jack Dawles

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