

**Montana Board of Oil and Gas Conservation  
Environmental Assessment**

**Operator:** Robinson Oil Company, LLC  
**Well Name/Number:** Hellinger 15-2  
**Location:** SE NE Section 15 T32N R2E  
**County:** Toole MT; Field (or Wildcat) Devon

**Air Quality**

(possible concerns)

Long drilling time: No, 3 to 4 days drilling time, if drilled to the Madison.

Unusually deep drilling (high horsepower rig): No, single derrick drilling rig to drill to 1950' TD.

Possible H2S gas production: Slight, possible if drilled to the Madison.

In/near Class I air quality area: No Class I air quality area.

Air quality permit for flaring/venting (if productive): Yes, DEQ air quality permit required under rule 75-2-211.

Mitigation:

- Air quality permit (AQB review)
- Gas plants/pipelines available for sour gas
- Special equipment/procedures requirements
- Other: \_\_\_\_\_

Comments: No special concerns – using small rig to drill to 1950' TD. Gas gathering and compression close by.

**Water Quality**

(possible concerns)

Salt/oil based mud: No, freshwater, freshwater mud system, air, air mist.

High water table: No high water table anticipated.

Surface drainage leads to live water: No, closest drainage is an unnamed ephemeral drainage, about 3/8 of a mile to the northeast from this location.

Water well contamination: None, no water wells within a 1 mile radius around this location.

Porous/permeable soils: No, tight bentonite soils.

Class I stream drainage: No Class I stream drainages.

Mitigation:

- Lined reserve pit
- Adequate surface casing
- Berms/dykes, re-routed drainage
- Closed mud system
- Off-site disposal of solids/liquids (in approved facility)
- Other: \_\_\_\_\_

Comments: 600' of surface casing cemented to surface adequate to protect freshwater zones. Also, air/air mist and/or fresh water mud systems to be used.

**Soils/Vegetation/Land Use**

(possible concerns)

Stream crossings: No, stream crossings anticipated.  
High erosion potential: No high erosion potential. Location will require a small cut, up to 0.4' and small fill, up to 2.1'.  
Loss of soil productivity: No, location will be restored after drilling if nonproductive. If productive unused portion of drillsite will be reclaimed.  
Unusually large wellsite: No small wellsite, 200'X200' location size required.  
Damage to improvements: Slight, surface use is a cultivated field.  
Conflict with existing land use/values: Slight  
Mitigation  
 Avoid improvements (topographic tolerance)  
 Exception location requested  
 Stockpile topsoil  
 Stream Crossing Permit (other agency review)  
 Reclaim unused part of wellsite if productive  
 Special construction methods to enhance reclamation  
 Other \_\_\_\_\_  
Comments: No special concerns

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### Health Hazards/Noise

(possible concerns)  
Proximity to public facilities/residences: Closest residence is about 1/2 of a mile to the southeast from this location.  
Possibility of H2S: Slight if well is drilled to the Madison.  
Size of rig/length of drilling time: Small drilling rig/short 3 to 4 days drilling time.  
Mitigation:  
 Proper BOP equipment  
 Topographic sound barriers  
 H2S contingency and/or evacuation plan  
 Special equipment/procedures requirements  
 Other: \_\_\_\_\_  
Comments: No concerns.

### Wildlife/recreation

(possible concerns)  
Proximity to sensitive wildlife areas (DFWP identified): None identified.  
Proximity to recreation sites: None identified.  
Creation of new access to wildlife habitat: No  
Conflict with game range/refuge management: No  
Threatened or endangered Species: Only species identified as threatened or endangered is the Black-footed Ferret. Proposed listing for the Mountain Plover.  
Mitigation:  
 Avoidance (topographic tolerance/exception)  
 Other agency review (DFWP, federal agencies, DSL)  
 Screening/fencing of pits, drillsite  
 Other: \_\_\_\_\_  
Comments: Surface is a private cultivated field. No concerns.

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**Historical/Cultural/Paleontological**

(possible concerns)

Proximity to known sites None identified.

Mitigation

avoidance (topographic tolerance, location exception)

other agency review (SHPO, DSL, federal agencies)

Other: \_\_\_\_\_

Comments: Private cultivated surface lands. No concerns.

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**Social/Economic**

(possible concerns)

Substantial effect on tax base

Create demand for new governmental services

Population increase or relocation

Comments: Existing gas field, Devon Gas Field. No concerns.

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**Remarks or Special Concerns for this site**

Well is a proposed 1950' Madison Formation test.

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**Summary: Evaluation of Impacts and Cumulative effects**

Some short term impacts will occur. No long term impacts expected.

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I conclude that the approval of the subject Notice of Intent to Drill (does/**does not**) constitute a major action of state government significantly affecting the quality of the human environment, and (does/**does not**) require the preparation of an environmental impact statement.

Prepared by (BOGC): /s/Steven Sasaki \_\_\_\_\_

(title:) Chief Field Inspector \_\_\_\_\_

Date: July 27, 2010 \_\_\_\_\_

Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website  
(Name and Agency)

Toole County water wells.

(subject discussed)

July 27, 2010

(date)

US Fish and Wildlife, Region 6 website

(Name and Agency)

ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES MONTANA  
COUNTIES, Toole County

(subject discussed)

July 27, 2010

(date)

If location was inspected before permit approval:

Inspection date: \_\_\_\_\_

Inspector: \_\_\_\_\_

Others present during inspection: \_\_\_\_\_