

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

Operator: Behm Energy, Inc.
Well Name/Number: Gordon 1-26
Location: SE NW Section 26 T37N R21E
County: Blaine, MT; **Field (or Wildcat)** Wildcat

Air Quality

(possible concerns)
Long drilling time no, 4 to 5 days drilling time.
Unusually deep drilling (high horsepower rig) no, 3000' TD
Possible H2S gas production no
In/near Class I air quality area no
Air quality permit for flaring/venting (if productive) Yes, DEQ air quality permit required under 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 3000'

Water Quality

(possible concerns)
Salt/oil based mud no, freshwater and freshwater mud system.
High water table no
Surface drainage leads to live water No, closest drainage is an unnamed ephemeral tributary drainage to Irvins Coulee, about 1/8 of a mile to the south of this location.
Water well contamination no, no water wells within 1 mile of this location.
Porous/permeable soils no, bentonite soils
Class I stream drainage no

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: 300' of surface casing cemented to surface adequate to protect freshwater zones. Also, fresh water mud systems to be used. Production casing will be cemented to surface.

Soils/Vegetation/Land Use

(possible concerns)
Steam crossings none
High erosion potential no, small cut, up to 2.7' and small fill, up to 4.4', required.
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, 200'X200' location size required.
Damage to improvements Slight, surface use is grassland.
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: Existing county road, Zurich county road and existing two track ranch trails will be used. About 1/16 of a mile of access will have to be built into the location off existing trail access. Cutting will be buried in the lined pit. Drilling fluids will be allowed to dry in the pits. Pits will be restored after they have dried. No special concerns

Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences None nearby. Closest ranch is 1 miles to the northeast and 1.5 miles to the southwest of this location.

Possibility of H2S none

Size of rig/length of drilling time Small drilling rig/short 4 to 5 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) n/a None identified.

Proximity to recreation sites no

Creation of new access to wildlife habitat no

Conflict with game range/refuge management no

Threatened or endangered Species no

Mitigation:

- Avoidance (topographic tolerance/exception)
- Other agency review (DFWP, federal agencies, DSL)
- Screening/fencing of pits, drillsite
- Other: _____

Comments: Must cross BLM surface. Operator has contacted BLM for access across BLM surface. No concerns.

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: BLM surface lands must be crossed. BLM has been contacted for access across BLM surface.

Social/Economic

(possible concerns)
 Substantial effect on tax base
 Create demand for new governmental services
 Population increase or relocation
Comments: no concerns

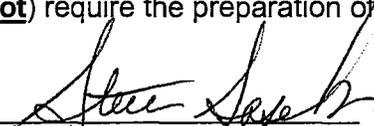
Remarks or Special Concerns for this site

Well is a 3000' Eagle Formation test.

Summary: Evaluation of Impacts and Cumulative effects

No long term impacts expected, some short term impacts will occur.

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): Steven Sasaki 

(title:) Chief Field Inspector

Date: June 29, 2006

Other Persons Contacted:

Montana Bureau of Mines and Geology, Groundwater Information Center website.

(Name and Agency)

Water wells in Phillips County

(subject discussed)

June 21, 2006

(date)

If location was inspected before permit approval:

Inspection date: _____

Inspector: _____

Others present during inspection: _____