

Montana Board of Oil and Gas Conservation  
Environmental Assessment

Operator: Klabzuba Oil & Gas, Inc.  
Well Name/Number: Metzger 12-8-36-14B  
Location: SE NE Section 12 T36N R14E  
County: Hill, MT; Field (or Wildcat) W/C

**Air Quality**

(possible concerns)  
Long drilling time no  
Unusually deep drilling (high horsepower rig) no, 2700' TD  
Possible H2S gas production no  
In/near Class I air quality area no  
Air quality permit for flaring/venting (if productive) n/a

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 2700'

**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, unnamed ephemeral drainage 1/8 mile to the east of this location. Stock pond may exist in this drainage about 3/4 of a mile to the southeast 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: 200' of surface casing cemented to surface adequate to protect freshwater zones. Also, fresh water mud systems to be used.

**Soils/Vegetation/Land Use**

(possible concerns)  
Stream crossings no  
High erosion potential no, small cut, up to 9.8' and small fill, up to 0.4', required.  
Loss of soil productivity no, location will be restored after drilling if unproductive. If productive unused portion of drillsite will be restored.

Unusually large wellsite no, 200'X200' location size required.

Damage to improvements slight

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: Access off existing county road. About 0.75 of a mile of new access will be created into the well location off existing county road. Cuttings will be buried in the reserve pit on site. Fluids will be trucked to nearby stock pond and remaining fluids allowed to evaporate and pit will be backfilled. No special concerns

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### Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences No buildings within 1 mile of this location.

Possibility of H2S No

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: Proper BOP equipment should mitigate any problems

### Wildlife/recreation

(possible concerns)

Proximity to sensitive wildlife areas (DFWP identified) n/a Creedman Coulee National Wildlife Refuge about 3 miles to the northeast of this location

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 no

Mitigation:

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

Comments: 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: on private land

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 2700' Second White Specks Formation test

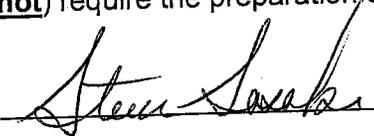
**Summary: Evaluation of Impacts and Cumulative effects**

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: January 6, 2006

Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website

(Name and Agency)

Hill County water wells

(subject discussed)

January 6, 2006

(date)

If location was inspected before permit approval:

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

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

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