

Montana Board of Oil and Gas Conservation  
Environmental Assessment

Operator: KeeSun Corporation  
Well Name/Number: Judeman 9-22  
Location: NE SE 22 T37N R4W  
County: Toole, MT; Field (or Wildcat) Cut Bank

**Air Quality**

(possible concerns)

Long drilling time no  
Unusually deep drilling (high horsepower rig) no  
Possible H2S gas production no  
In/near Class I air quality area no  
Air quality permit for flaring/venting (if productive) no

Mitigation:

    Air quality permit (AOB review)  
    Gas plants/pipelines available for sour gas  
    Special equipment/procedures requirements  
    Other: \_\_\_\_\_  
Comments: No special concerns

**Water Quality**

(possible concerns)

Salt/oil based mud no  
High water table no  
Surface drainage leads to live water no  
Water well contamination no  
Porous/permeable soils no  
Class I stream drainage no

Mitigation:

    Lined reserve pit  
xx Adequate surface casing  
    Berms/dykes, re-routed drainage  
    Closed mud system  
    Off-site disposal of solids/liquids (in approved facility)  
    Other: \_\_\_\_\_  
Comments: Fresh water- No special concerns - Surface casing

OK

**Soils/Vegetation/Land Use**

(possible concerns)

Stream crossings no  
High erosion potential no  
Loss of soil productivity no  
Unusually large wellsite no  
Damage to improvements no  
Conflict with existing land use/values no

Mitigation

xx Avoid improvements (topographic tolerance)  
    Exception location requested  
xx Stockpile topsoil  
    Stream Crossing Permit (other agency review)  
xx Reclaim unused part of wellsite if productive  
    Special construction methods to enhance reclamation  
    Other: \_\_\_\_\_

Comments: no special concerns; in cultivated field

**Health Hazards/Noise**

(possible concerns)

Proximity to public facilities/residences about 1 mile  
Possibility of H2S no  
Size of rig/length of drilling time

Mitigation:

xx Proper BOP equipment  
    Topographic sound barriers  
    H2S contingency and/or evacuation plan  
    Special equipment/procedures requirements  
    Other: \_\_\_\_\_

Comments: no special concerns

**Wildlife/recreation**

(possible concerns)

Proximity to sensitive wildlife areas (DFWP identified) none  
Proximity to recreation sites none in area  
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 special concerns

**Historical/Cultural/Paleontological**

(possible concerns)

Proximity to known sites none in area

Mitigation

- avoidance (topographic tolerance, location exception)
- other agency review (SHPO, DSL, federal agencies)
- Other: \_\_\_\_\_

Comments: no sites identified - location on private 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 2700' Cut Bank test -section added to CB field at July 2004 hearing.  
Directional drill to legal location

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

Impacts are minor and short term.

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): \_\_\_\_\_

(title:) Administrator

Date: August 24, 2004

Other Persons Contacted:

\_\_\_\_\_

(Name and Agency)

\_\_\_\_\_

(subject discussed)

\_\_\_\_\_

(date)

If location was inspected before permit approval:

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

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

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