

Montana Board of Oil and Gas Conservation  
Environmental Assessment

Operator: Main Energy Inc.

Well Name/Number: Johnson 1

Location: NW NE 10 T36N R54E

County: Sheridan, MT; Field (or Wildcat) W/C  
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 (AQB 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 Yes

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

Adequate surface casing

Berms/dykes, re-routed drainage

Closed mud system

Off-site disposal of solids/liquids (in approved facility)

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

Comments: will use 12 mil liner, 1500' surface casing adequate. Free water disposed off-site.

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

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

Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences over ½ mile

Possibility of H2S No

Size of rig/length of drilling time

Mitigation:

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) no  
Proximity to recreation sites none in immediate 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 identified  
Mitigation  
 avoidance (topographic tolerance, location exception)  
 other agency review (SHPO, DSL, federal agencies)  
 Other: \_\_\_\_\_  
Comments: no concerns

**Social/Economic**

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

**Remarks or Special Concerns for this site**

Well is a 10300 Red River test

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

Only minor, short term impacts associated with this project.

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: December 9, 2003

Other Persons Contacted:  
\_\_\_\_\_  
\_\_\_\_\_  
(Name and Agency)  
\_\_\_\_\_  
(subject discussed)  
\_\_\_\_\_  
(date)

If location was inspected before permit approval:  
Inspection date: \_\_\_\_\_  
Inspector: \_\_\_\_\_  
Others present during inspection: \_\_\_\_\_