

Montana Board of Oil and Gas Conservation
Environmental Assessment

Operator: J Burns Brown Operating Company
Well Name/Number: Kiesling 33-34-14
Location: NW SW Sec. 33, T34N, R14E
County: Hill, MT; Field (or Wildcat) Wildcat

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

Comments: Fresh mud - 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

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; location requires cut(4') and fill(4').

Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences Over ¼ 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) 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 lands.

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 an Eagle test, approximately 1800' deep. Application for location heard under Docket 441-2003.

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): James W. Halverson
(title:) Geologist
Date: December 16, 2003

Other Persons Contacted:

(Name and Agency)

(subject discussed)

(date)

If location was inspected before permit approval:

Inspection date: _____

Inspector: _____

Others present during inspection: _____