

Montana Board of Oil and Gas Conservation
Environmental Assessment

Operator: Noble Energy Inc.
Well Name/Number: FEE No. 2670 No. 6
Location: SE SW Section 26 T37N R30E
County: Phillips, MT; Field (or Wildcat) Loring

Air Quality

(possible concerns)

Long drilling time no, 3 to 4 days drilling time.
Unusually deep drilling (high horsepower rig) no, 2400' 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 2400'

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, surface drainage does not lead to live water.
Water well contamination no, nearest water wells are over 1 mile distance from this location. Surface hole will be drilled with freshwater and freshwater mud system.
Surface casing set and cemented from 150'. Mainhole will be drilled with freshwater mud system and if productive 4 1/2" production casing will be cemented back to surface.
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: 150' 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)

Stream crossings none
High erosion potential no, small cut, up to 7.0' and small fill, up to 4.9', 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, 130'X180' 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: Using existing county road and existing trails to access this location. Drilling fluids will be disposed of in a private stock pond of Mr. Ray Mullen or allowed to dry in the drilling and reserve pits. Pits will be restored after they are allowed to dry. No special concerns. cerns

Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences Ranch house 1.25 miles to the northeast of this location.

Possibility of H2S none

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: no concerns

Wildlife/recreation

(possible concerns)

Proximity to sensitive wildlife areas (DFWP identified) n/a None identified.

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:

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: _____

Social/Economic

(possible concerns)

Substantial effect on tax base

Create demand for new governmental services

Population increase or relocation

Comments: no concerns

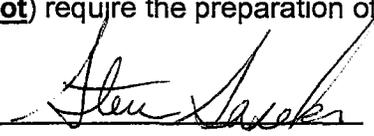
Remarks or Special Concerns for this site

Well is a 2400' Phillips Formation test.

Summary: Evaluation of Impacts and Cumulative effects

No long term impacts expect 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 12, 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 12, 2006

(date)

If location was inspected before permit approval:

Inspection date: _____

Inspector: _____

Others present during inspection: _____