Montana Board of Oil and Gas Conservation
Environmental Assessment

Operator: Omimex Canada, Ltd..
Well Name/Number: Stufft 14-19-36N-5W
Location: SE SW Section 19 T36N R5W
County: Glacier, **MT; Field (or Wildcat)** Cut Bank

Air Quality

(possible concerns)
Long drilling time: No, 4 to 5 days.
Unusually deep drilling (high horsepower rig): No, 3142 TD
Possible H2S gas production: Yes
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:
X Air quality permit (AQB review)
X Gas plants/pipelines available for sour gas
__ Special equipment/procedures requirements
__ Other:

Comments: No special concerns – using small rig to drill to 3142' TD.

Water Quality

(possible concerns)
Salt/oil based mud: No, freshwater, freshwater mud system and air.
High water table: No
Surface drainage leads to live water: Nearby pothole lakes
Water well contamination: No, all nearby freshwater wells less than 360' in depth.
Porous/permeable soils: No, silty bentonitic soils.
Class I stream drainage: No

Mitigation:
__ Lined reserve pit
X Adequate surface casing
__ Berms/dykes, re-routed drainage
__ Closed mud system
__ Off-site disposal of solids/liquids (in approved facility)
__ Other:

Comments: 450' of surface casing cemented to surface adequate to protect freshwater zones if any. Also, fresh water mud systems to be used.

Soils/Vegetation/Land Use

(possible concerns)
Steam crossings: None
High erosion potential: No, small cut, up to 7.7' and moderate fill, up to 10.2', 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, 300'X300' location size required.
Damage to improvements: Slight, surface use is cultivation.
Conflict with existing land use/values: Slight, surface use is cultivation.

Mitigation
__ Avoid improvements (topographic tolerance)
__ Exception location requested
_X_ Stockpile topsoil
__ Stream Crossing Permit (other agency review)
_X_ Reclaim unused part of wellsite if productive
__ Special construction methods to enhance reclamation
__ Other _____

Comments: Will use existing trails for most of the way into location. About 200' of new access road will be made to access the drilling location. Drilling fluids will be allowed to dry in the pit. Cuttings will be buried in the earthen pits. Pits will be backfilled when dry. No special concerns

Health Hazards/Noise

(possible concerns)
Proximity to public facilities/residences: Buildings about 1 mile to the northeast and ½ mile to the northwest of this location.
Possibility of H2S: None
Size of rig/length of drilling time Small drilling rig/short 4 to 5 days drilling time
Mitigation:
_X_ 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): 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: Private surface lands. No 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: Private surface lands. No concerns.

Social/Economic

(possible concerns)
__ Substantial effect on tax base
__ Create demand for new governmental services
__ Population increase or relocation
Comments: No concerns. Development well is an existing oil and gas field, Cut Bank Oil & Gas Field.

Remarks or Special Concerns for this site

Well is a 3142' Madison Formation test

Summary: Evaluation of Impacts and Cumulative effects

No long term impacts expected, some short term impacts will occur, but can be mitigated. This well is in the Cut Bank field which has had oil and gas production since the 1930's.

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: September 29, 2007

Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website
(Name and Agency)
Glacier County water wells
(subject discussed)
September 29, 2007
(date)

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