

**Montana Board of Oil and Gas Conservation
Environmental Assessment**

Operator: Targe Energy Explortation & Production, LLC

Well Name/Number: Turner No. 12-26A

Location: NW SW Section 26 T35N R1E

County: Toole, MT; **Field (or Wildcat)** Wildcat

Air Quality

(possible concerns)

Long drilling time: No, 1 to 2 days drilling time.

Unusually deep drilling (high horsepower rig): No, 1,500' TD

Possible H2S gas production: None

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 coil tubing rig to drill to 1,500' TD

Water Quality

(possible concerns)

Salt/oil based mud: No, freshwater and freshwater mud system on surface hole. Air or air/mist out from under surface casing. Convert to freshwater mud if necessary.

High water table: No

Surface drainage leads to live water: No, location not close to any drainages.

Water well contamination: No, closest water well is a stock water well, about 1 mile to the east of this location, in section 25 and is only 100' in depth. This well will drill surface hole with freshwater and set 300' of steel casing, which will be cemented to surface to protect surface waters.

Porous/permeable soils: No, sandy-silty bentonitic 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 hole will be drilled with freshwater and surface casing cemented to surface adequate to protect freshwater zones. Also, air, air/mist and/or fresh water mud systems to be used on the mainhole.

Soils/Vegetation/Land Use

(possible concerns)

Stream crossings: None, no drainages to be crossed.

High erosion potential: No, small cut, up to 1.1' and small fill, up to 1.0', 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, 150'X150' location size required.

Damage to improvements: Slight, on cultivated land.

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: Access will be over existing county road, Willow Creek road and existing two track trail. Will utilize well access road for the Turner 12-26 Madison test well. Drill cuttings will be buried on site. Drilling fluids will be allowed to evaporate. Pit will be backfilled when dry. No special concerns

Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences: Closest residence is about 11/8 of a mile to the north and about 1/2 of a mile to the southeast from this location.

Possibility of H2S: No

Size of rig/length of drilling time: Coil tubing rig 1 to 2 days drilling time

Mitigation:

Proper BOP equipment

Topographic sound barriers

H2S contingency and/or evacuation plan

Special equipment/procedures requirements

Other: _____

Comments: Working BOP should mitigate any issues. Distance is sufficient to not be a problem with noise. 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: No concerns. Private surface lands.

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. Private surface 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 a 2,200' Madison Formation test.

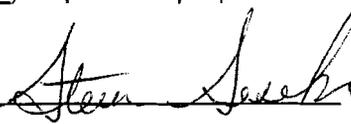
Summary: Evaluation of Impacts and Cumulative effects

No long term impacts expected from the drilling of this well. Some short term surface impacts will occur, but will be mitigated in time.

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: October 26, 2007

Other Persons Contacted:

Montana Bureau of Mines and Geology, Groundwater Information Center website

(Name and Agency)

Toole County water wells.

(subject discussed)

August 1, 2007

(date)

If location was inspected before permit approval:

Inspection date: _____

Inspector: _____

Others present during inspection: _____