

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

Operator: Somont Oil Company, Inc.
Well Name/Number: Breaupre 2X
Location: SW NW Section 8 T35N R2W
County: Toole MT; Field (or Wildcat) Kevin Sunburst

Air Quality

(possible concerns)

Long drilling time: No, 2 to 4 days drilling time.
Unusually deep drilling (high horsepower rig): No, single derrick drilling rig to drill to 1800' TD.
Possible H₂S gas production: Slight amount of H₂S gas.
In/near Class I air quality area: No Class I air quality area, in the area of review.
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 single derrick drilling rig to drill to 1800' TD.

Water Quality

(possible concerns)

Salt/oil based mud: No, air, air mist drilling and freshwater mud system to be used.
High water table: No high water table anticipated.
Surface drainage leads to live water: No live water nearby only alkali dry lake flats.
Water well contamination: No, no water wells within 1 mile of this location.
Porous/permeable soils: No, silty sandy bentonitic soils.
Class I stream drainage: No Class I stream drainages, in the area of review.

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: 147' of 7" surface casing cemented to surface adequate. No potable water in this area. Also, fresh water air/mist/freshwater mud systems to be used.

Soils/Vegetation/Land Use

(possible concerns)

Stream crossings: No, stream crossings anticipated.
High erosion potential: Yes high erosion possible on fill slope, small cut, about 4.3' and moderate fill, about 19.1', required.

Loss of soil productivity: No, location will be restored after drilling if nonproductive. If productive unused portion of drill site will be reclaimed.

Unusually large wellsite: No, 100'X100' location size required.

Damage to improvements: Slight, surface use is grassland.

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: Vegetate fill slope to minimize erosion potential. No special concerns.

Health Hazards/Noise

(possible concerns)

Proximity to public facilities/residences: None nearby

Possibility of H2S: Slight chance of H2S.

Size of rig/length of drilling time: Small drilling rig/short 2 to 4 days drilling time.

Mitigation:

Proper BOP equipment

Topographic sound barriers

H2S contingency and/or evacuation plan

Special equipment/procedures requirements

Other: BOP requirements waived for depleted Madison Formation reservoir in the Kevin Oil Field, due to the depleted reservoir in this part of the field.

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: Listed threatened or endangered species in Toole County is the Black Footed Ferret. Species of concern is the Sprague's Pipit. NH Tracker website lists five (5) species of concern: Hoary Bat, Ferruginous Hawk, Chestnut-collared Longspur, McCown's Longspur and Brewer's Sparrow.

Mitigation:

Avoidance (topographic tolerance/exception)

Other agency review (DFWP, federal agencies, DSL)

Screening/fencing of pits, drillsite

Other: _____

Comments: Surface is private land. There maybe species of concern that maybe impacted by this wellsite. We ask the operator to consult with the surface owner as to what he would like done, if a species of concern is discovered at this location. The Board of Oil & Gas has no jurisdiction over 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: Surface is private land. There maybe possible historical/cultural/paleontological sites that maybe impacted by this wellsite. We ask the operator to consult with the surface owner as to his desires to preserve these sites or not, if they are found during construction of the wellsite. The Board of Oil & Gas has no jurisdiction over 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. Existing oil field, Kevin Sunburst Oil & Gas Field.

Remarks or Special Concerns for this site

Well is a 1800' Madison Formation test. A development well in the Kevin Sunburst Oil & Gas Field.

Summary: Evaluation of Impacts and Cumulative effects

No long term impacts expected, 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): /s/Steven Sasaki
(title:) Chief Field Inspector
Date: April 17, 2012

Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website

(Name and Agency)

Toole County water wells

(subject discussed)

April 17, 2012

(date)

US Fish and Wildlife, Region 6 website

(Name and Agency)

ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES

MONTANA COUNTIES, Toole County

(subject discussed)

April 17, 2012

(date)

Montana Natural Heritage Program Website (FWP)

(Name and Agency)

Heritage State Rank= S1, S2, S3, T35N R2W

(subject discussed)

April 17, 2012

(date)

If location was inspected before permit approval:

Inspection date: _____

Inspector: _____

Others present during inspection: _____