

Exhibit 6



ENVIRONMENTAL IMPACT ASSESSMENT

Required for issuance of well permit pursuant to Part 615, 1994 PA 451, as amended. Falsification of this information may result in fines and/or imprisonment. Check all boxes and fill in all blanks which apply to this drilling application. Attach additional pages as necessary.

A. DESCRIPTION OF PROJECT

1. Applicant's name Well name and number Intended use of well
2. Mineral ownership, check each category of mineral owners in drilling unit or Antrim Uniform Spacing Plan
3. Applicable spacing order and drilling unit size
4. Applicant's right to drill and produce
5. Special considerations

B. IMPACTS AS A RESULT OF DRILLING

1. Access route dimensions
2. Well site dimensions
3. Is well site located in residentially zoned area?
4. Are drain tiles present?
5. Identify the distance and direction to all of the following, also identify on attached plat

(Part B-5 continued)

c. Surface waters, floodplains, wetlands, natural rivers, critical dune areas, threatened or endangered species within 1320' and Great Lake shorelines within 1500' of the well site

d. Describe the actions to be taken to mitigate impacts to any of the items identified in Part B-5 a-c above.

6. Identify the source of fresh water used for drilling and completing this well

- "Permanent" water well, to be retained after final completion OR used for drinking water (shall be drilled and installed pursuant to Part 127 of 1979 PA 368, as amended)
- "Temporary" water well, will be plugged upon final completion and not used for drinking water (consult R 324.403 (2) for minimum construction requirements)
- Fresh water will be hauled from existing water well or municipal source (identify) _____
- No fresh water will be used in drilling this well

7. Method of Well Completion and Well Treatment (check all that may apply)

- Conventional perforated casing
 - Acidizing
 - Open Hole
 - Hydraulic Fracturing Estimated Total Water Volume _____
 - Other (describe) _____
- NOTE: Water volumes in excess of 100,000 gallons are subject to SOW Instruction 1-2011

8. Pit location and handling and disposal of drill cuttings, muds and fluids

- Anticipated depth to groundwater _____ Method determined by _____
- On site in-ground pit, anticipated dimensions: L _____ W _____ D _____
 - Remote in-ground pit, anticipated dimensions: L _____ W _____ D _____
Attach approval of landowner and attach survey of remote pit location
 - Well drilled below base of Detroit River Anhydrite. Describe how mud and cuttings pursuant to R324.407(7)(iv) will be handled.
Pit fluids below DRA disposed by _____ licensed liquid waste hauler **OR**
Pit fluids below DRA disposed at the _____ disposal well.
If drill cuttings & mud don't pass paint filter test, they will be disposed at _____ landfill.
 - No salt cuttings **OR**
 - Salt cuttings dissolved and disposed by _____ licensed liquid waste hauler **OR**
 - Salt cuttings hauled to _____ landfill
 - Temporary pit, cuttings and muds disposed at (identify) _____
 - No in-ground pit, cuttings and muds disposed at (identify) _____
 - Pit will be solidified

C. IMPACTS AS A RESULT OF PRODUCTION

1. Kind of well exploratory development Other (describe) _____

Antrim project (**submit separate project EIA, form EQP 7200-21, for access roads, flow lines, and surface facilities**) where is project EIA found? _____ and complete C-2, omit C-3 and C-4

2. Location of surface facilities (Prior to construction, the District Geologist, pursuant to R324.1002, must also approve all surface facility secondary containment plans.)

- Greater than 300' from wellhead. Identify facility location on attached plat and complete C-3 and C-4.
- Less than 300' from wellhead. Identify facility location on attached plat, complete C-3, omit C-4
- Surface facility exists or was previously approved for construction and is known as _____ complete C-3, omit C-4.
- Surface facility location was not determined for this **exploratory** well (omit C-3 and C-4). Submit a separate request for **Surface Facility Location Approval (form 7200-22)**, which includes a Facility Plan, Environmental Impact Assessment, and Soil Erosion and Sedimentation Control Plan, to District Geologist prior to construction pursuant to R324.504.

3. Flow Line Environmental Impact Assessment

- Identify flow line location and course from well to the surface facility on attached plat.
Flow line route dimensions _____ feet x _____ feet / 43,560 = _____ acres.
Describe the topography, drainage, soil type(s), direction and percentage of slopes, land cover and present land use along the flow line route

4. Surface Facility Environmental Impact Assessment

- a. Dimensions of surface facility _____ feet x _____ feet / 43,560 = _____ acres.
- b. Describe the topography, drainage, soil type(s), direction and percentage of slopes, land cover, and present land use
 - 1. Along access route to surface facility

Part C-4, continued

2. At surface facility site

c. Are surface facilities likely to receive oil or gas with H₂S concentration greater than 300 ppm? Yes No, if yes, R324.1106(2) applies.

d. Will surface facilities be located in residentially zoned area? Yes No, If yes, R324.506 may apply

e. Identify the distance and direction to all of the following, and identify on attached plat

1. Distance and direction to all buildings, fresh water wells, public roads, power lines and other man-made features within 600' of surface facility

2. Distance and direction to any surface waters, floodplains, wetlands, natural rivers, critical dune areas, and threatened or endangered species within 1320' and Great Lakes shorelines within 1500' of the surface facility site

3. Describe the actions to be taken to mitigate impacts to any of the items identified in Part C-4e 1 and 2 above.

4. Distance and direction to all Type I and Type IIa public water supply wells within 2000' of the surface facility site and all Type IIb and Type III wells within 800' of the surface facility

Type I is a community water supply with year-round service ≥ 15 living units or ≥ 25 residents. Type II is a non-community water supply with ≥ 15 service connections or ≥ 25 individuals for not less than 60 days per year. Average daily water production: IIa >20,000 GPD IIb <20,000 GPD Type III is a public water supply which is neither type I or II.

5. Method of brine disposal

Dedicated flow line to disposal well _____, permit number _____

Transported by tanker. Other _____

6. Method of transporting hydrocarbons past the point of sale

Oil sold through transmission line

Gas sold through transmission line

Oil transported by tanker for sale

Gas flared on site (production restrictions may apply)

Other _____

D. MITIGATION OF IMPACTS FROM DRILLING AND/OR PRODUCTION

Describe additional measures to be taken to protect environmental and/or land use values

E. ADDITIONAL PERMITS

Identify additional permits to be sought

F. SOIL EROSION AND SEDIMENTATION PLAN

Submit a soil erosion and sedimentation plan (form 7200-18) which addresses **each** well site, surface facility, and flow line route identified in this application. (Refer to requirements under Part 91, 1994 PA 451)

G. ALTERNATE WELL AND SURFACE FACILITY LOCATIONS

Were alternate surface locations considered for this well or surface facility?

No, alternate sites did not seem necessary or more desirable

Yes, the following locations were considered

Why were they rejected in favor of the proposed location?

H. CERTIFICATION

"I state that I am authorized by said applicant to prepare this document. It was prepared under my supervision and direction. The facts stated herein are true, accurate and complete to the best of my knowledge."

Name and title (printed or typed)

Authorized Signature

Date

Enclose with *Application for Permit to Drill*