



May 5, 2011

Mr. Gary McKamie  
City Manager  
201 North Ector Drive  
Euless, TX, Texas 76039

Re: Case 11-01-CC. Summary comments for the Gas Well Pad Site Permit (GWSPSP) Application at the Mims Pad Site submitted by Chesapeake Operating, Inc.

Mr. McKamie,

**Application review.**

A Gas Well Pad Site Permit (GWSPSP) is required if a proposed well is to be located within the city. The application for a gas well pad site permit for the Mims Pad located in close proximity to 2500 South Pipeline Road has been reviewed by the Inspection Services Provider Universal Ensco, Inc. (UEI). The inspection services provider, UEI, has completed their assigned part of the review of this gas well pad site permit application and determined it to be in compliance with the technical site requirements of the gas well ordinance and submits the following comments.

This site is located within 600' of a residential structure located southeast of the pad site. Waivers were requested but not obtained from the owners of all residential, commercial and public building structures within the 600'. A public hearing at city council is required for consideration to grant the permit.

**Proposed site operations and drilling program.**

- a. Chesapeake plans to start pad site construction as soon as released for grading and to drill the first well by November 2011. Approximately 20 wells have been proposed to be eventually drilled on this pad.
- b. Fracing operations would follow in three to six months. A full day is required to fracture two stages, prepare for the next stages and reload the sand tanks. Daytime frac operations require about a week for each well.
- c. Production tank facilities are positioned on the northwest side of the pad and have been set over 600' away from the residential house on the south side of South Pipeline Road.

**Public impact of the proposed activity.**

1. The Mims Pad is located in I-2 Heavy Industrial zoning along South Pipeline Road where noise and light levels are elevated. Light and noise from activity at the pad site can be reduced by the use of common abatement methods.
2. The transportation plan does not use city streets. The vehicle route to and from this pad will be not be on Euless city streets but will use Fort Worth city streets.
3. During drilling and fracture-completion operations there will occasional be heavy truck traffic. Street conditions near the pad entrance could become congested, dusty or muddy.
4. Fracture operations are to be done during daylight hours. Several truckloads of sand must be delivered daily and injected into the sand tanks for the next frac stage.
5. The freshwater for fracture stimulation will be held in a pit located on adjacent land at the southeast side of the pad. The method used to remove water during the daytime fracture operations from these tanks should not have noticeable public impact.
6. Green completion methods are proposed for this site. However, flaring for several days could be necessary to start gas flow at the first well drilled on this pad. Flaring is a loud and bright process which may require additional screening and several public education meetings.
7. Final operations to complete a well require heavy equipment which could be a source of engine related noise. A swabbing truck could be necessary to start gas flow and would require continuous operation for several days.



8. Unless a gas lift compressor is placed on the pad; production facilities are not considered noise generating sites. Gas lift compressors are point source noise generators. The effects of noise due to a compressor can be reduced by the use of sound abatement methods.
9. Work crews will access the site during all stages of site operations usually in truck vehicles. During production operations a tanker truck will access the site periodically to remove produced water from the tank facilities. These activities should not have unreasonable public impact since the transportation route is not on city streets but south to Trinity Boulevard through a commercial area.

**Recommended noise and light reduction.**

1. Recommend sound wall blankets or other types of acoustical barriers be setup around the pad site to reduce noise disturbances from equipment and work activity during both drilling and fracture-completion operations. Recommend the height of the walls is 32 feet.
2. Recommend light redirection and reduction methods be used to limit effects on the residents in the area.
3. Should flaring be necessary; recommend some type of the public awareness program about the necessity, duration, safety and environment affects of the gas flaring process.

**Recommended restrictions or conditions.**

- There are no additional recommended restrictions or conditions other than compliance with the Commission Rules, city codes and gas well ordinance.

**Minimum separation distance for drilling or other operations.**

- There are no additional recommended restrictions or conditions other than compliance with the Railroad Commission Rules, city codes and gas well ordinance.

**Special safety equipment and procedures.**

- There are no additional recommended safety restrictions or conditions other than compliance with the existing regulations.

**Recommended screening.**

1. Should flaring be necessary; recommend adequate screening of the flare.

**Final pad site permit recommendation of Inspection Services Provider: Release for approval.**

Please contact me if you have need for further assistance.

Regards,

**David Lunsford, PG**  
Public Utility Municipal Planning Coordinator  
Gas Well & Pad Site Inspections

**Universal Ensco, Inc.**

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CC: Mr. Mike Collins and Mr. Stephen Cook, City of Euless; Mr. Keith Edmonds, UEI Fort Worth Operations Manager