City of Euless, Case 10-03-CC
Chesapeake Operating, Inc.
Bear Creek Pad Gas Well Pad Site Permit (GWPSP)
Final Application Comments

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INTERNATIONAL

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June 11, 2010

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

Re: Case 10-03-CC. Summary comments for the Bear Creek Pad Gas Well Pad Site Permit application submitted by Chesapeake Operating, Inc.

Mr. McKamie,

Application review.
The application for a gas well pad site permit for the Bear Creek Pad located at 2271 SH-360 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.

Proposed site operations and drilling program.

a. The operator plans to initially drill wells BCA-1H and BCS-1H in mid to late July with a rig mobilizing one time on and off the pad. The rig will be onsite approximately forty (40) days.
b. Fracing operations would follow in three to six months. Daytime frac operations require about a week. A full day is required to fracture, prepare for the next stage and reload the sand tanks.

Public impact of the proposed activity.

1. This site is located within 600' of several protected uses northwest and south of the pad. The Bear Creek Pad is located along a section of SH-360 where noise and light levels are elevated. At least six (6) producing gas wells have been drilled on the east side of SH-360 on DFW Airport and the local residents should be conscious of this type of activity. Light and noise levels can be reduced by the use of abatement methods.
2. During drilling and fracture-completion operations there will be occasional heavy truck traffic. Street conditions near the pad entrance along the SH-360 feeder could become congested, dusty or muddy. The transportation plan does not use local streets.
3. Fracture operations are to be done during daylight hours on weekdays with no scheduled work on weekends. Several truckloads of sand must be delivered daily and injected into the sand tanks for the next frac stage.
4. The freshwater for fracture stimulation will be held in an existing pit located on DFW Airport. The method used to remove water during the daytime fracture operations from these tanks should not have noticeable public impact.
5. Green completion methods are proposed for this site. However should flaring be necessary to start gas flow; this operation would be active over a period of several days. Flaring is a loud and bright process which could require additional screening and public education.
6. Final operations to complete a well can 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.
7. 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.
8. 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 on the SH-360 feeder and city streets are not used.

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Recommended noise and light reduction.

1. Recommend operator provide a Noise Management Plan and monitor the plan with continuous sound level meter recording from the direction to the apartments during drilling and fracture-completion operations.
2. Recommend sound wall blankets or other types of acoustical barriers be setup on the north, west and south sides of the pad to reduce noise disturbances from equipment and work activity during both drilling and fracture-completion operations. Recommend the height of the walls is at least 16 feet.
3. Recommend light redirection and reduction methods be used to limit effects on the apartment residents.
4. 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

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