

Kubeczko, Dave

Subject: FW: Gemini K 01-99HZ Form 2A (#1757409) Review

Scan No. 2302608 CORRESPONDENCE Form 2A – Document No. 1757409

From: KShirley@nobleenergyinc.com [mailto:KShirley@nobleenergyinc.com]
Sent: Friday, September 18, 2009 7:15 PM
To: Kubeczko, Dave
Subject: Re: Gemini K 01-99HZ Form 2A (#1757409) Review

Hi Dave,

Facilities- We should have marked: Water Tanks-11, Gas Pipeline-1, Separators-2, Electric Motors-23, Gas or Diesel Motors-8, Electric Generators-2, Oil Tanks-2, Fuel Tanks-8, Voc Combustor-2.

Water Resources- I apologize for this mistake. Please make this change to 662'.

I will alert our Engineer of this depth and of the sensitive area.

Thank you Dave for you feed back, please let me know if you have any other questions.

Thanks,

Kate Shirley
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To <KShirley@nobleenergyinc.com>

cc

09/18/2009 02:58 PM

Subject Gemini K 01-99HZ Form 2A (#1757409) Review

Kate,

I have been reviewing the Gemini K 01-99HZ Form 2A (#1757409). COGCC requests the following clarifications regarding the data Noble has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment.

1. **Facilities (Section 5):** The facilities list should include equipment used during drilling and production. As such, I would expect gas or diesel motors, generators, and fuel tanks might be on the equipment list. Can you please provide an updated list of proposed new equipment.
2. **Water Resources (Section 14):** Form 2A indicates that the distance to the nearest water well is 420 feet with a depth to groundwater of 21 feet bgs. COGCC review indicates nearest water well is 662 feet to the north-northeast of the proposed well location (Permit Number 20549-Shaffer with a depth to groundwater of 19 feet bgs); there is another well located 702 feet to the south-southwest with a depth to groundwater of 21 feet bgs (Permit Number 256896-A-Loeffler, which may be the well indicated on the Form 2A); I can make this change if you send an email with this request.
3. **Water Resources (Section 14):** Based on a review of 8 water wells surrounding the proposed well location (with depth to

groundwater ranging from 15 to 21 feet bgs), as well as the highly permeable nature of the near surface unconsolidated materials in this area (small to medium gravel), we feel that depth to groundwater is likely less than 20 feet bgs. Based on this information, COGCC guidelines require designating all locations with a depth to groundwater less than 20 feet a **sensitive area** and requiring either a lined drilling pit or a closed loop system. This will be necessary for the drilling of both wells (Gemini K 01-99HZ and Gemini G 06-33).

Most of these changes are minor except for Number 3, **Sensitive Area Designation**. If you have any questions, please do not hesitate to call me at (303) 588-5317, or email.

Regards,
Dave Kubeczko

David Kubeczko, PG
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