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Mari
Clark/Denver/NobleEnergy/S
amedan

09/18/2009 07:35 AM

Correspondence

To Dave.Kubeczko@state.co.us

cc

bcc

Subject Fw: Knutson K 17-25 Form 2A

Form 2A
Document No. 1904977

RECEIVED

SEP 18 2009

COGCC

Good morning, Dave.

I spoke with all of our people in Platteville & the surveyor. Their reply :The surface water for the Knutson K17-25 well was measured from area of standing water with very visible cattails. The area the COGCC is referring to is an area that would likely be considered wetland but has absolutely no sign of visible surface water. The measurement that was obtained by King Surveyors is an accurate reading to visible surface water. Please refer to the picture below to see a visual for the area in question. Let me know how you would like me to proceed.

Please let me know ASAP is this is not sufficient to clear this permit. Thank you so much, Mari

Cattails that were measured
at 586 feet from well stake



Area 320' from well stake

MARI CLARK
REGULATORY ANALYST II
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----- Forwarded by Mari Clark/Denver/NobleEnergy/Samedan on 09/18/2009 07:35 AM -----



Mari
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amedan

09/17/2009 09:45 AM

To "Kubeczko, Dave" <Dave.Kubeczko@state.co.us>

cc "Halstead, Mary" <Mary.Halstead@state.co.us>

Subject Re: Knutson K 17-25 Form 2A



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SEP 18 2009

COGCC

Dave,

I apologize for taking so long to respond to this e-mail. Our system has been down & other internal issues have prevented me from working this as soon as I would like. I appreciate your patience & help in getting Noble's permits processed.

Please add this equipment to the 2A for the above well:

11 water tanks
23 electric motors
8 gas or diesel motors
2 electric generators
8 fuel tanks

I will need to research your request for confirmation on the nearest surface water. I will get back with this as soon as possible.

Please make the changes regarding the nearest water well you indicted below in your e-mail.

Noble will use a closed loop system for this well.

thank you, Mari

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"Kubeczko, Dave" <Dave.Kubeczko@state.co.us>



"Kubeczko, Dave"
<Dave.Kubeczko@state.co.us>

09/16/2009 02:10 PM

To <mclark@nobleenergyinc.com>

cc "Halstead, Mary" <Mary.Halstead@state.co.us>

Subject Knutson K 17-25 Form 2A

Mari,

I have been reviewing the Knutson K 17-25 Form 2A (#1904977). 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:

- a. 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:
- a. Form 2A indicates distance to surface water is 586 feet. Nearest surface water appears to be approximately 320 feet to the north-northeast near the marsh area based on aerial photo and topographic map review. Can you confirm where the marsh area (surface water) begins just to the north of the planned well location.
- b. Distance to nearest water well listed as 1,100 feet (Permit Number 225934-Randall Knutson with a depth to groundwater of 29 feet bgs). COGCC review indicates nearest water well is 910 feet to the southwest (Permit Number 487-WCB-Fred Lorenz with a depth to groundwater of 25 feet bgs); I can make this change if you send an email with this request.
- c. Due to the proximity of the well location to the marsh area to the north and to the South Platte River to the west, along with the nearby water wells being located higher topographically, we feel that depth to groundwater potentially may be less than 20 feet bgs. Based on this information, as well as the highly permeable nature of the alluvial materials in this area (gravel to coarse gravel), we feel that drilling should use either a closed loop system, or the drilling pit be lined. However, if you can provide more recent information that depth to groundwater is greater than 20 feet bgs, then a closed loop system or lined drilling pit will not be necessary.

If you have any questions, please do not hesitate to call me at (303) 894-2100 x5162, or email.

Regards,
Dave Kubeczko

David Kubeczko, P.G.
Colorado Oil and Gas Conservation Commission
Phone: (303) 894-2100 x5162
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