

## Kubeczko, Dave

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**From:** Kubeczko, Dave  
**Sent:** Monday, June 14, 2010 11:54 AM  
**To:** Kubeczko, Dave  
**Subject:** FW: Oxy USA WTP, Shell 797-09A Pad, NENW Sec 9 T7S R97W, Garfield County, Form 2A #400062185 Review

Scan No 2033204      CORRESPONDENCE      2A#400062185

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**From:** Joan\_Proulx@oxy.com [mailto:Joan\_Proulx@oxy.com]  
**Sent:** Friday, June 11, 2010 1:29 PM  
**To:** Kubeczko, Dave  
**Subject:** RE: Oxy USA WTP, Shell 797-09A Pad, NENW Sec 9 T7S R97W, Garfield County, Form 2A #400062185 Review

Dave:

Thank you for the revised clarifications.

In reference to the items listed below:

1. Oxy concurs with attaching COA 4 and COA 5 to the Form 2A permit.
2. Please make the necessary changes to the bgs footage per your calculations.
3. Oxy concurs with attaching COA 9 and COA 38 to the Form 2A permit. Since the location layout for the pad indicates that the pit will lie 100% within the cut of the pad location, is COA 39 necessary?

Again, thank you for your assistance.

Regards,

Joan

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**From:** Kubeczko, Dave [mailto:Dave.Kubeczko@state.co.us]  
**Sent:** Thursday, June 10, 2010 4:13 PM  
**To:** Proulx, Joan M  
**Subject:** Oxy USA WTP, Shell 797-09A Pad, NENW Sec 9 T7S R97W, Garfield County, Form 2A #400062185 Review

Joan,

I have been reviewing the Shell 797-09A Pad **Form 2A** (#400062185). COGCC requests the following clarifications regarding the data Oxy USA has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA).

1. **Water Resources (Section 14):** Form 2A indicates that the distance to the nearest surface water is 248 feet. COGCC's rules state that the distance to the nearest surface water should reflect intermittent (this includes ephemeral streams, irrigation ditches, drainages), as well as, perennial streams. COGCC guidelines require designating all locations within close proximity to surface water (the exact distance varies with the location and takes into consideration soil type, surface geology, initial grade/topographic slope, the grade/topographic slope adjacent to the location, vegetative cover, as well as other factors) a **sensitive area** and requiring the following conditions of approval (COAs):
  - COA 4** - Location is in a sensitive area because of close proximity to surface water, therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.
  - COA 5** - Operator must implement best management practices to contain any unintentional release of fluids.

2. **Water Resources (Section 14):** Form 2A indicates the depth to groundwater to be 0 feet bgs for a well located 5702 feet from the well pad. COGCC's review did find this one water well (Permit No. 280305-Oxy USA WTP LP, commercial well) to the west; with a total depth of 91 feet bgs, a depth to groundwater of 44 feet bgs, and a pumping rate of 15 gpm. I believe this well is indicative of groundwater conditions in this area. I can make the change if you send an email with this request, or if you can provide more recent information about depth to groundwater.
3. **General:** Due to the highly fractured nature of the surface material in this area, the following conditions of approval (COAs) will apply:
  - COA 9** - Reserve pit (or any other pit used to store fluids) must be lined or closed loop system must be implemented during drilling.
  - COA 38** - The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.
  - COA 39** - No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

COGCC would appreciate your concurrence with attaching these COAs to the Form 2A permit prior to passing the OGLA review. The other issue also needs to be addressed prior to permit approval. If you have any questions, please do not hesitate to call me at (970) 625-2497 x5 (office) or (970) 309-2514 (cell), or email. Thanks.

Dave

**David A. Kubeczko, PG**  
**Oil and Gas Location Assessment Specialist**

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