



STATE OF
COLORADO

Andrews - DNR, Doug <doug.andrews@state.co.us>

Fwd: Arellano Horizontal site Flood Plain Map narrative

1 message

Noto - DNR, John <john.noto@state.co.us>
To: Doug Andrews - DNR <doug.andrews@state.co.us>

Wed, Jan 28, 2015 at 5:13 PM

----- Forwarded message -----

From: **Dan Brugeman** <DBrugeman@bayswater.us>

Date: Wed, Jan 28, 2015 at 4:25 PM

Subject: Arellano Horizontal site Flood Plain Map narrative

To: "john.noto@state.co.us" <john.noto@state.co.us>, "greg.deranleau@state.co.us" <greg.deranleau@state.co.us>

Cc: "Mark E. Brown" <MBrown@bayswater.us>, "Don W. Barbula" <DBarbula@bayswater.us>, "Ann Stephens (astephens@petro-fs.com)" <astephens@petro-fs.com>, Kristi McRedmond <kmcredmond@petro-fs.com>

John/ Greg-Attached are the same maps which were provided last Friday January 23rd, 2015. Below you will find a short narrative as promised describing the layers found on the maps and some additional points regarding the project and area.

Flood Plain Maps

Dark Blue- flood way.

Medium Blue- 100 Year flood plain.

Very light blue/ grey- 500 Year flood plain

Green Circles-500' radius from house corners and occupied building units.

Red dashed line- New Access/Lease road.

Pink polygon -Proposed surface facility area.

Orange circles-Well head surf locations.

Light blue fine lines-Proposed Horizontal wellbore paths.

Light Green lines-Oil and gas flow lines from wells to existing facilities.

Arellano 10-L Pad Custom Exhibit

Yellow lines-Weld County Assessor's property/parcel boundaries.

Red line- Proposed Engineered sound wall.

Orange circles-Well head surf locations.

Red dashed line-New Access/ Lease Road.

Pink polygon-Proposed Surface facility area.

Additional points concerning the Arellano Horizontal project & maps:

1. The Varra property to the north is largely within the 100 year flood plain. Given the recent Fall 2013 flood, Bayswater felt the option of pursuing a real multi-well surface facility just north of 16th St. on the Varra property was not a viable option.
2. One can also deduce from the floodplain maps with the 500' set back circles and our conference call Friday, Bayswater has put some serious thought and design into this location.
3. Bayswater is pursuing temporary piping to bring in water for completion operations. This would certainly reduce trucking to some degree.
4. Bayswater has secured a ROW with Judith Meyer to create a new Access/lease road off of Fern Rd. from the north east to the project area. This is the least populated area compared to the area surrounding the existing lease road which accesses the site from the south off of 18th St.
5. Bayswater is researching 40' tall engineered sound walls on the south side of the project area and to some degree the west and eastern walls to dampen the sound from the drilling and completion operations.
6. Additionally, Bayswater is making progress on bringing electricity into the site to power the drilling rig thus minimizing our impact in the area.
7. Bayswater has also designed the well bores at the Arellano pad to be 1.5 mi in length from east to west. Bayswater has approved permits in Sec 4 of 5N65W to drill 8 x 2 mi laterals from north to south. We felt as the Sec 4 surf location is in a less densely populated area, that developing our lease hold in the southwest qtr of sec 9 from the sec 4 pad was a far more prudent concept when considering drilling rig time at a particular location.
8. Lastly- Bayswater has now distributed the Project information phone number to the residents. This is a 24 hour phone line connected directly to Bayswater.

Please call if there are any further questions or points you would like to discuss.

Thanks- Dan

Dan Brugeman

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3 attachments



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1175K



Floodplain w 500 wells-fac.pdf
1302K



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