

Atlantic Rim Field Tour with Review Team
6/16/2016

Cooperator Attendees: Larry Hicks, LSRC (first two stops only),

Industry Attendees: Kristy Griffis, Warren; Chris Herold, Warren, Glendon Merrell, Warren; Steve Smith, Warren, Samantha Quenzer, Escalera

BLM: Nyle Layton, Annette Treat, Kelly Owens, Natasha Keierleber, Cade Powell, Brad Tribby and seasonal interns (I did not catch their names)

Stop 1: AR Fed 1491 15-2

Producing Location. Good interim reclamation in terms of vegetation growth. Group discussed issues of cheatgrass infestation in the area that has become more widespread in the last several years. Pads nearby that have been completely re-contoured have revegetated with mostly cheatgrass. The group discussed a strategy of removing the facilities and seeding the production areas. Mr. Hicks noted that the Atlantic Rim ROD allows for changes like this as an adaptive management process. That cheatgrass has been identified as an issue through monitoring and needs to be addressed. The BLM needs to determine if further NEPA is needed to allow for this process. It was believed that this area is currently a Visual Resource Management Class III. The Baggs Mule Deer Working Group has identified this area as important (WYGF and BLM Wildlife Bio were not present, so it would be nice if they could confirm this). Mr. Hicks stated he would provide a letter of support for using adaptive management in considering alternative contouring.

Stop 2: Brown Cow 15-11

Site selected due to cheatgrass infestation on the road. Site was not contoured very well by Anadarko. On the way to stop #3 could see from a distance to determine if it would stand out long term. Pad originally had a Halogeton infestation. Warren came back in and replanted with some success. Operator has battled cheatgrass on the site. Warren would like to look at a process moving forward that allows for success. Used imazpic and a 50ft buffer around location in 2015. Little progress made. However pad does have quite a few forbs and grasses that survived the spraying. Mr. Hicks suggested that the BLM monitor for the plants that survived the spraying and alter the seed mixture based upon this. Group also discussed that leaving the road in place is not an option.

Stop 3: Unauthorized well pad converted to a land farm site. Warren agreed to reclaim this site which was constructed in trespass by an unknown party. Warren discovered a spill on a nearby location (Browning 1-11) and trucked the contaminated soil to the trespass site. Soil samples were collected and sent to a lab. The soil was spread and a temporary sprinkler system set up to "water" the soil. More testing will be completed and the soil will be turned again and once the soil samples come back with a satisfactory reading the location will be re-contoured and reseeded.

Stop 4: Wild Cow Pipeline

No cooperators left on tour. Good growth of Kochia. Site is becoming stabilized. Discussed if inter-seeding is necessary. Progress is being made in this area.

Stop 4: AR Fed 1591 5-8

No Cooperators left on tour. Group reviewed Warren's two proposals of Reference Sites and Sample Point Monitoring. Warren's contractor presented how they selected the two reference sites and gave several handouts. They were looking for additional guidance and discussion. Then the group looked at the photos of sample point and some of the procedures. Handouts sent to reclamation working group.

Stop 5-7: Grace Point Subarea Pod A, and Jack Sparrow Supplemental POD, future well location areas.

Stop 8: AR Fed 1691 34-30:

No cooperators left on tour. Site was reseeded in fall of 2015. Escalera is working on different management in Catalina E (Echo). This site had some growth. No fence was constructed. Germination was okay, hope they can survive.

Stop 9: (Changed site due to unexpected issue) to AR Fed 1691 24-31:

Site was doing fairly well. Did have cheatgrass present. Was not treated with imazpic.

Stop 10: AR Fed 1692 44-24R:

No cooperators left on tour. Site was noted as a concern in data. Site looks much better in terms of grass growth this year. Escalera is looking to see if they can drill some of these locations to keep unit. Nothing is set in stone.

Stop 11: EMIT Pit

No cooperators left on tour. Site reclaimed by Escalera in 2014. Site looks very good. Escalera did brush-hog the Russian thistle and spray in the middle.

Stop 12: ARW Pit

No cooperators left on tour. Site slated for reclamation in Fall 2016.