

Inspection Photos

API: 05-041-06072

Operator: HILCORP ENERGY COMPANY

Inspection and Photo Date: 12/7/2018

Inspection Photos



COGCC Photo 1. Facing east on the access road. Rock rip/rap can be seen in the drainage channel. Rock check dams have been lowered to allow water flow per previous inspection. See further information on photo 2.



10/3/18 - LTE/Hilcorp Photograph 1: View east on access road towards Reilly residence.

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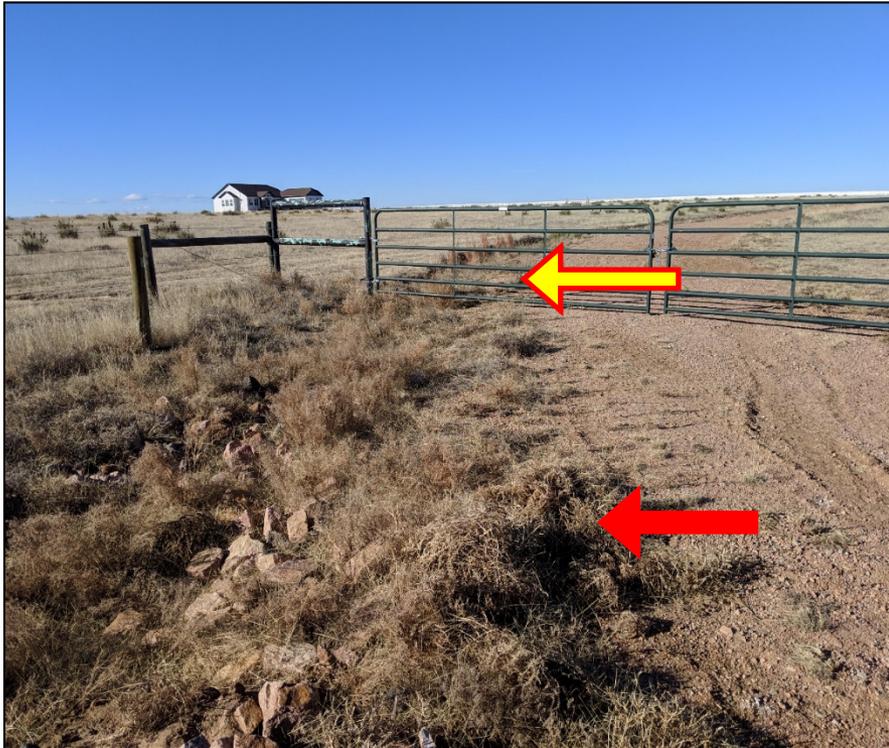


COGCC Photo 2. The drainage channel extends far out into the pasture. This is additional disturbance caused by erosion. The channel needs to be recontoured to grade and reclaimed/reseeded along the red arrow to the yellow arrow. A proper sediment trap should be constructed at the yellow arrow.



10/3/18 - LTE/ Hilcorp Photograph 3: Corresponds to COGCC inspection photo 7. Check dams have been repaired. Old sandbags have been removed and vegetation is filling in.

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COGCC Photo 3. Weed debris remains in the drainage channel (red arrow). Further up the channel (yellow arrow) no BMP's are in place to slow water flow. Additional BMP's are required up slope e.g. check dams. The vegetation in the channel is predominately weeds, therefore not stabilizing the drainage channel.

10-3-18 - LTE/Hilcorp Photograph 2: Corresponds to COGCC inspection photo 5. Erosion has been repaired and vegetation is filling in to stabilize.

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Photo 4. Piles of weed debris was noticed along the side of the road and in the drainage ditches. The debris piles need to be removed.



10/3/18 - LTE/ Hilcorp Photograph 4: Corresponds to COGCC inspection photo 8. Weeds have been removed and road has been stabilized.

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COGCC Photo 5. The outlet culvert. Rock rip/rap is improperly installed as it is piled too high in front of the culvert which appear to be restricting water flow. The wattles are temporary BMP's and are not a long term solution.



10/3/18 - LTE/ Hilcorp Photograph 7: Corresponds to COGCC inspection photo 12. Sediment has been removed. Inlet and outlet protection have been added.

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COGCC Photo 6. The inlet culvert. Rock rip/rap is improperly installed as it is piled too high in front of the culvert which appear to be restricting water flow. The wattles are temporary BMP's and are not a long term solution. A long term solution could be sediment traps and rock check dams.



10/3/18 - LTE/Hilcorp Photograph 8: Sediment has been removed. Inlet and outlet protection have been added to all 3 culvert locations.

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Photo 7. The inlet culvert. Water flows from the east and the west to the culverts. Rock rip/rap is improperly installed as it is piled too high in front of the culvert which appear to be restricting water flow. The wattles are temporary BMP's and are not a long term solution. A long term solution could be sediment traps and rock check dams.

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Photo 8. The inlet culvert. Rock rip/rap is improperly installed as it is piled too high in front of the culvert which appear to be restricting water flow. The wattles are temporary BMP's and are not a long term solution. All culverts need to have long term sediment controls.

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Photo 9. The outlet culvert. Rock rip/rap is improperly installed as it is piled too high in front of the culvert which appear to be restricting water flow. The wattles are temporary BMP's and are not a long term solution. All culverts need to have long term sediment controls.

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Photo 10. Sediment remains in the culvert. Rock rip/rap is improperly installed as it is piled too high in front of the culvert which appears to be restricting water flow.

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Photo 11. Piles of debris were found along the access road. It appears seeding operations dragged debris into piles. The debris piles need to be removed.

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COGCC Photo 12. The disturbance along the side of the road appears to have been interseeded, however it is unclear that the process was successful..



10/3/18 - LTE/Hilcorp Photograph 9: Corresponds to COGCC inspection photo 14. Area has been interseeded.

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COGCC Photo 13. Facing south toward the location. Vegetation has not established in this area. The area appears to have been interseeded, however it is unclear that the process was successful..



10/3/18 - LTE/Hilcorp Photograph 11: View of reclaimed portion of former access road facing south towards former well pad area. Area has been mowed and interseeded.

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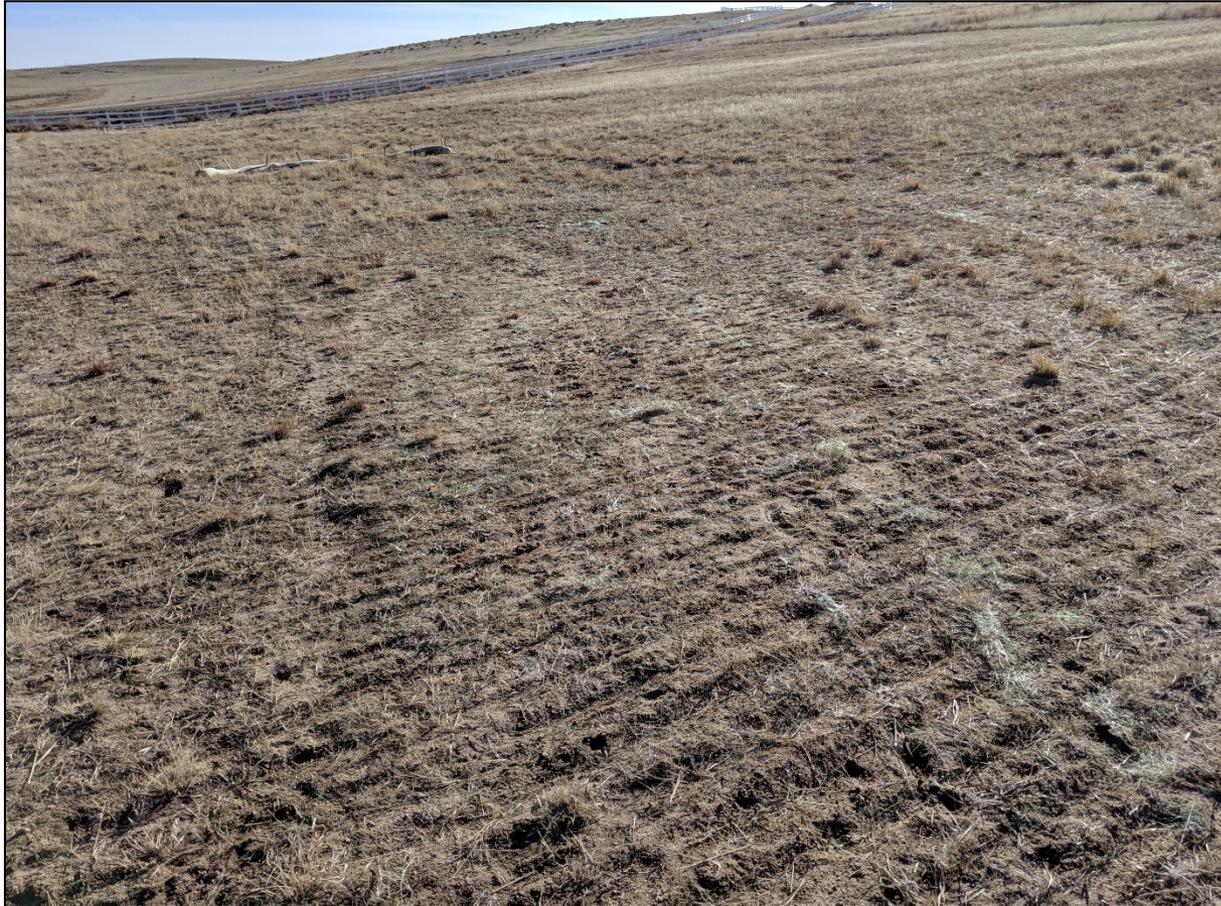


Photo 14. Facing south at the location. Vegetation has not established in this area. The area appears to have been interseeded, however it is unclear that the process was successful..

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Photo 15. South side of the location. This area appears to have been interseeded, however it is unclear that the process was successful.