

Inspection Photos

08/28/2019

Operator: P O & G OPERATING LLC - 10634

Well Location ID: 324936

Kit Carson County, CO

Aaron Trujillo

NE Reclamation Specialist

COGCC

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Photo 1: Photo taken from the north end of the location, facing south. Photo shows the reclamation of the location.



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Photo 2: Photo taken from the north end of the location, facing southwest. Photo shows the reclamation of the location.

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Photo 3: Photo taken from the southwest end of the location, facing east. Photo shows the reclamation of the location.



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Photo 4: Photo taken from the south end of the location. Photo shows was appears to be Canada thistle plants establishing on the south end of the location.



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Photo 5: Photo taken from the access road north of the location. Photo shows stormwater erosion degradation is beginning to incise the access road.

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Photo 6: Photo taken from the location. Photo shows puncture vine establishing on location.



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Photo 7: Photo taken from the northeast corner of the location. Photo shows t-posts and a plastic pipe remaining on location.



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Photo 8: Photo taken from the location. Photo shows trash debris remaining on location.



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Photo 9: Photo taken from the location. Photo shows trash debris remaining on the location.



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Photo 10: Photo taken from the location. Reclamation specialist observed areas of stained soil and conducted a test pit for both compaction and soil concerns. Photo shows stained soils observed at the surface.



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Photo 11: Photo of test pit dug on location. Reclamation specialist observed areas of stained soil and conducted a test pit for both compaction and soil concerns. Photo shows dark colored soils observed from soil surface to at least two feet sub-surface. Soils had a chemical smell and appears to exceed two (2) feet below ground.



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Photo 12: See comments under photo 2.

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Photo 13: Photo shows dark colored soils with a chemical smell that was excavated from the test pit.



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Photo 14: Photo taken from the location. Photo shows reclamation specialist tested the location for compaction concerns. Photo shows reclamation specialist was only able to penetrate the top few inches of soil with east. Compaction concerns appear evident

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Photo 14.b: Photo taken from the adjacent reference areas. Photo shows reclamation specialist was able to easily penetrate the top 15 inches of soil. Compaction concerns appear evident on location. Reclamation specialist dug a test pit within the reference to compare soils observed on location.



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Photo 15: Photo of test pit from the reference area. Photo shows soils observed on the location are not reflective of soils on the adjacent reference area. Soils in the reference did not contain a chemical smell detected in the soils on the location.



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Photo 16: Photo of soils excavated from the reference area. Photo shows soils observed on the location are not reflective of soils on the adjacent reference area.



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Photo 17: Photo taken the east/west access road north of the location. Photo shows Operator has not conducted final reclamation activities on the east/west section of access road.

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Photo 18: See comments under photo 17.

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Photo 19: Current available Google Earth aerial imagery (2016). Photo shows Sundance Energy's well locations, battery facility and access roads. Operator has not conducted reclamation on the east/west section of access road (yellow arrow) in accordance with COGCC 1004 rules.



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Photo 20: 1980 USGS Aerial imager. Photo shows access roads did not pre-exist the Oil and Gas location. Access road is associated industrial oil and gas disturbance subject to COGCC reclamation rules and requirements.

