

**FORM
INSP**Rev
X/20**State of Colorado
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

08/06/2021

Submitted Date:

08/27/2021

Document Number:

698400010

FIELD INSPECTION FORMLoc ID 331521 Inspector Name: Mcconnell, Logan On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**

OGCC Operator Number: 69175

Name of Operator: PDC ENERGY INC

Address: 1775 SHERMAN STREET - STE 3000

City: DENVER State: CO Zip: 80203

Status Summary:☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**

7 Number of Comments

4 Number of Corrective Actions

☒ Corrective Action Response Requested**ANY CORRECTIVE ACTION(S) FROM
PREVIOUS INSPECTIONS THAT HAVE NOT
BEEN ADDRESSED ARE STILL APPLICABLE****Contact Information:**

Contact Name	Phone	Email	Comment
		cogccinspection@pdce.com	
		corey.mcdonough@state.co.us	
		chris.binschus@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
263006	WELL	PA	09/14/2017	OW	123-20827	FOE 33-20	RI

General Comment:

This is a final reclamation inspection for PA well API# 05-123-20827 and its associated tank battery. Well was plugged and abandoned on 9/14/2017.

This inspection is in association with ADC Doc#210600090.

LocationOverall Good: ☐

Emergency Contact Number:

Comment:

Corrective Action:

Date: _____

Good Housekeeping:

Type	WEEDS		
Comment:	A number of undesirable plant species were observed throughout the western and northern portions of the site including but not limited to puncture vine, Kochia, poverty weed, and pigweed.		
Corrective Action:	Remove undesirable plant species per the 600 series rule.		Date: 09/10/2021

Overall Good: ☐**Spills:**

Type	Area	Volume		
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In Containment: No

Comment:

☐ Multiple Spills and Releases?**Equipment:**

Type:	#		corrective date
Comment:	No visual evidence of oil and gas equipment at the well location.		
Corrective Action:		Date:	

Venting:

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Environmental**Spills/Releases:**

Type of Spill: _____

Estimated Spill Volume: _____

Comment: Remediation Project #10763 from a spill initially documented in 2016 is still active. Continue to comply with 900 series rules and regulations. Active remediation should not preclude the commencement of final reclamation activities. Final reclamation has not yet been performed in all areas outside the identified contamination zone at the tank battery.

Corrective Action: Work with the Environmental Specialist to sample all soils collected from the base and sidewalls of the final excavation for agronomic properties per the 915-1 soil suitability for reclamation section. Per the 27S submitted 8-12-2021 all information and sampling requested above must be gathered and analyzed by the end of the third quarter 2021. Final excavation sampling should include the deepest plant root depth to assess potential agronomic issues.

Date: 10/01/2021

Reportable: _____

GPS: Lat _____ Long _____

Proximity to Surface Water: _____

Depth to Ground Water: _____

Water Well Complaint:

Lat _____ Long _____

DWR Receipt Num: _____ Owner Name: _____ GPS : _____

Field Parameters:

Sample Location: _____ Comment: _____

Reclamation - Storm Water - Pit**Interim Reclamation:**

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: _____

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND SEGREGATION _____

Comment _____

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____

Comment _____

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment _____

Corrective Action _____

Date _____

1003a. Waste and Debris removed? _____

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? _____

Comment _____

Corrective Action _____

Date _____

Pit, cellars, rat holes and other bores closed? _____

Comment _____

Corrective Action _____

Date _____

Guy line anchors marked? _____

Comment _____

Corrective Action _____

Date _____

- 1003b. Area no longer in use? _____ Production areas stabilized ? _____
- 1003c. Compacted areas have been cross ripped? _____
- 1003d. Drilling pit closed? _____ Subsidence over on drill pit? _____
- Cuttings management: _____
- 1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? _____
- Production areas have been stabilized? _____ Segregated soils have been replaced? _____

RESTORATION AND REVEGETATIONCropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

1003 f. Weeds Noxious weeds? _____

Comment _____

Corrective Action _____ Date _____

Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: _____

Reminder: _____

Comment: _____

Well plugged Pass Pit mouse/rat holes, cellars backfilled _____

Debris removed Pass No disturbance /Location never built _____

Access Roads Regraded _____ Contoured _____ Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed Fail Locations, facilities, roads, recontoured Fail

Compaction alleviation _____ Dust and erosion control _____

Non cropland: Revegetated 80% _____ Cropland: perennial forage Fail

Weeds present Fail Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: _____

The well location and associated access road appear to meet final reclamation regulations and standards, and appear reflective of reference areas. Unable to find evidence of oil and gas activities and/or disturbances.

The tank battery location does not comply with Rule 1004. Reclamation rules require reclamation activities on well site and associated facilities to be conducted within three months of plugging on cropland. Another well servicing the lower ½ of the tank battery (API#05-123-18322) was plugged and abandoned on 12/4/2020.

Corrective Action:

Comply with Rule 1004. Collaborate with the landowner to determine mitigating measures that will allow reclamation work to be completed in such a manner as to not interfere with agricultural activities or crop production. Provide documentation within the FIR Resolution form of when the corrective action work will be completed and provided date and documentation of coordination with the surface owner. The inspection corrective actions reflect the location was observed out of compliance.

Date _____

Overall Final Reclamation

Fail

Well Release on Active Location ☐Multi-Well Location ☐**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

Comment:

At the time of this inspection, there was observed storm water erosion along the western portion of the tank battery, which is impacting reclamation areas. It appears that irrigation water from the adjacent crop fields are draining towards the western portion of the tank battery. This is causing channelized flows which is causing gully erosion. Per the rules run-on protection are required.

Corrective Action:

Comply with Rule 1002.f. Install or repair required BMPs per Rule 1002.f.

Date: 08/06/2021

Pits: ☒ NO SURFACE INDICATION OF PIT**Attached Documents**

You can go to COGCC Images (<https://cogcc.state.co.us/webblink/>) and search by document number:

Document Num	Description	URL
402795357	INSPECTION SUBMITTED	http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5517971
698400012	Inspection Photos	http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5517959