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

FIELD INSPECTION FORM

Inspection Date: 09/09/2021
Submitted Date: 09/10/2021
Document Number: 693903639

Loc ID: 326208
Inspector Name: ROY, CATHERINE
On-Site Inspection: ☐
2A Doc Num:

Operator Information:

OGCC Operator Number: 10663
Name of Operator: ENDURING RESOURCES LLC
Address: 1050 17TH STREET SUITE 2500
City: DENVER State: CO Zip: 80265

Status Summary:

☒ THIS IS A FOLLOW UP INSPECTION
☒ FOLLOW UP INSPECTION REQUIRED
☐ NO FOLLOW UP INSPECTION REQUIRED

Findings:

6 Number of Comments
1 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
Walter, Kyle		kwalter@enduringresources.com	All Inspections
Huntington, Heather		hhuntington@enduringresources.com	All Inspections per email 8/13/2021

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
216044	WELL	PR	03/17/1993	GW	067-07650	INDIAN CREEK WHEELER 13-2	RI

General Comment:

On 9/9/2021 Catherine Roy conducted a reclamation and stormwater inspection. During this inspection the following compliance issues were observed:

-Stormwater and erosion controls need to be installed to stabilize erosion on the well pad and access road. Stormwater and erosion controls need to be selected, sized, installed, and maintained according to good engineering practices that will ensure long-term stabilization such as those described by CDOT in their erosion control manuals. Erosion controls such as mulch, straw blanket etc. need to be installed and maintained until eroding areas are stabilized with desirable perennial vegetation. Response to 2020 corrective action to address stormwater erosion on the access road is inadequate. Corrective action date: 10/10/2021.

See below, and attached photos for additional detail.

Inspected Facilities

Facility ID:	216044	Type:	WELL	API Number:	067-07650	Status:	PR	Insp. Status:	RI

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 DISTRURBANCE MINIMIZATION _____

Comment

Corrective Action Date _____

1003a. Waste and Debris removed? _____

Comment Debris identified during 2020 reclamation inspection was not observed.

Corrective Action Date _____

Unused or unneeded equipment onsite? Pass

Comment

Corrective Action Date _____

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

Comment

Corrective Action Date _____

Guy line anchors marked? _____

Comment

Corrective Action Date _____

Inspector Name: ROY, CATHERINE

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 REVEGETATION

Cropland

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: Revegetation is progressing within the majoring of the interim reclamation area. Portions of the cut-slope and northeastern project area where sediment is choking vegetation need to be stabilized with desirable vegetaiton.

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 _____ Pit mouse/rat holes, cellars backfilled _____

Debris removed _____ No disturbance /Location never built _____

Access Roads Regraded _____ Contoured _____ Culverts removed _____

Gravel removed _____

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

Compaction alleviation _____ Dust and erosion control _____

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

Weeds present _____ Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: _____

Corrective Action: _____ Date _____

Inspector Name: ROY, CATHERINE

Overall Final Reclamation	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: Rilling erosion and sediment discharge is occurring on the well pad, where sediment flows off of the cut-slope, over the access road and discharges off of the northeastern project area. Stormwater BMPs in the southeastern project area are failed and do not appear adequate resulting in erosional scouring and sediment transport. Erosion is occurring in multiple places along the access road, including at a stream crossing where the culvert design is not adequate to convey stormwater flows.

Corrective Action: -Stormwater and erosion controls need to be installed to stabilize erosion on the well pad and access road. Stormwater and erosion controls need to be selected, sized, installed, and maintained according to good engineering practices that will ensure long-term stabilization such as those described by CDOT in their erosion control manuals. Erosion controls such as mulch, straw blanket etc. need to be installed and maintained until eroding areas are stabilized with desirable perennial vegetation. Response to 2020 corrective action to address stormwater erosion on the access road is inadequate. Corrective action date: 10/10/2021.

Date: 10/10/2021

Pits: ☒ NO SURFACE INDICATION OF PIT

Attached Documents

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

Document Num	Description	URL
402809711	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5529812
693903640	Inspection photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5529807