FORM INSP Rev X/15

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: 04/20/2017
Submitted Date: 04/26/2017
Document Number: 682402032

Loc ID	Inspector Name:	On-Site Inspection
449920	Binschus, Chris	2A Doc Num:

Operator Information:

OGCC Operator Number: 10625
Name of Operator: HIGHLANDS NATURAL RESOURCES CORPORATION
Address: 2401 EAST 2ND AVENUE SUITE 150
City: DENVER State: CO Zip: 80206

Status Summary:

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

Findings:

5 Number of Comments
0 Number of Corrective Actions
☐ Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
ANDERSON, ERIC		eric.anderson@highlandsnr.com	
		stephen.miller@highlandsnr.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
449919	WELL	XX	04/06/2017		005-07266	CITADEL 5-64 15-16-1CHZ	CI
449921	WELL	XX	04/06/2017		005-07267	WILDHORSE 5-64 15-16-1BHZ	CI
449922	WELL	XX	04/06/2017		005-07268	HAGAR 5-64 15-16-1BHZ	CI
449923	WELL	XX	04/06/2017		005-07269	POWELL 5-64 15-16-1CHZ	CI

General Comment:

Inspector Name: Binschus, Chris

Location

Lease Road:			
Type	Main		
comment:	Crushed asphalt has been installed along the entire access road which should minimize sediment discharge via vehicle tracking. Culverts have been installed along a drainage area. This area has potential for erosion along the fill slopes and stormwater runoff from the access road. Did not observe any erosion control BMPs along this area at the time of this inspection. In addition, it would be recommended to install stormwater BMPs along portions of the diversion ditch along the access road. Portions of the access road have significant erosion potential because of the topography which could result in sediment discharge.		
Corrective ActionL		Date:	

Overall Good: ☒

Emergency Contact Number:

Comment:

Corrective Action: Date:

Overall Good: ☐

Spills:					
Type	Area	Volume			

In Containment: No

Comment:

☐ Multilple Spills and Releases?

Venting:

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type			
Comment:			
Corrective Action:		Date:	

Inspected Facilities

Facility ID:	449919	Type:	WELL	API Number:	005-07266	Status:	XX	Insp. Status:	CI
Facility ID:	449921	Type:	WELL	API Number:	005-07267	Status:	XX	Insp. Status:	CI
Facility ID:	449922	Type:	WELL	API Number:	005-07268	Status:	XX	Insp. Status:	CI
Facility ID:	449923	Type:	WELL	API Number:	005-07269	Status:	XX	Insp. Status:	CI

Reclamation - Storm Water - Pit

Interim Reclamation:

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

Land Use: RANGELAND

Comment:

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment

Corrective Action Date

1002b. SOIL REMOVAL AND SEGREGATION Pass

Comment Topsoil salvaged and stored along the western perimeter of location.

Corrective Action Date

1002c. PROTECTION OF SOILS In Process

Comment Per Rule 1002, topsoil shall be stabilized and protected from degradation due to wind and water erosion. Per Rule 1002, BMPs to prevent weed establishment and to maintain soil microbial activity shall be implemented.

The Operator should consider both short and long-term stabilization of topsoil.

Corrective Action Date

1002E. SURFACE DISTRURBANCE 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

Inspector Name: Binschus, Chris

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

Corrective Action Date _____

Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

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

Final Land Use: RANGELAND

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 _____

Overall Final Reclamation _____ Well Release on Active Location ☐ Multi-Well Location ☐

Inspector Name: Binschus, Chris

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Culverts	Pass					
Ditches	Pass					
Retention Ponds	In Process					
Berms	Pass	Tracking Pad	Pass			

Comment: A ditch and berm BMP has been installed along the entire perimeter of the location. It did not appear that the north and west fill slopes were properly tracked perpendicular to the slope which could increase potential erosion along this area. It would be recommended to properly track fill slopes and/or apply additional stabilization BMPs. The Operator was in the process of installing a retention area for stormwater control. At the time of this inspection, it was unclear how stormwater runoff will be directed to the retention area from the ditch and berm BMP. A follow up stormwater inspection will be conducted to ensure compliance with Rule 1002.f.

Corrective Action: Date:

Pits: ☐ NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
Refer to the attached inspection photos in Document #682402033.	binschusc	04/26/2017

Attached Documents

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

Document Num	Description	URL
682402033	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4132578