

**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

Inspection Date:

04/20/2017

Submitted Date:

04/26/2017

Document Number:

682402032**FIELD INSPECTION FORM**Loc ID 449920 Inspector Name: Binschus, Chris On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 10625Name of Operator: HIGHLANDS NATURAL RESOURCES CORPORATIONAddress: 2401 EAST 2ND AVENUE SUITE 150City: 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 Comments0 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:

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:		Date: _____
Corrective Action:		

Overall Good: ☐**Spills:**

Type	Area	Volume		
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In Containment: No

Comment:

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

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Inspected Facilities

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

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 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: 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 ☐

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Ditches	Pass					
Retention Ponds	In Process					
Berms	Pass	Tracking Pad	Pass			
Culverts	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
401268049	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4132588
682402033	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4132578