

**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:

04/05/2018

Submitted Date:

04/06/2018

Document Number:

682403446**FIELD INSPECTION FORM**Loc ID 446104 Inspector Name: Binschus, Chris On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_**Operator Information:**OGCC Operator Number: 10542Name of Operator: CUB CREEK ENERGYAddress: 200 PLAZA DRIVE SUITE 100City: HIGHLANDS State: CO Zip: 80129**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**12 Number of Comments6 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Baily, Scott		scott.baily@cub-creek.com	<a href="#">ALL INSPECTIONS</a>
Gillette, Kira		kira.gillette@state.co.us	<a href="#">NOAV Specialist</a>
Ferrin, Jeremy		dnr_cogccenforcement@state.co.us	<a href="#">COGCC Enforcement</a>
BERBERICK, DAN		dan.berberick@cub-creek.com	<a href="#">ALL INSPECTIONS</a>
COREY, ALEX		alex.corey@cub-creek.com	<a href="#">ALL INSPECTIONS</a>

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
446099	WELL	PR	01/31/2017	OW	123-43242	MARKHAM 10	RI
446100	WELL	PR	01/19/2017	OW	123-43243	MARKHAM 4	RI
446101	WELL	PR	02/06/2017	OW	123-43244	MARKHAM 6	RI
446102	WELL	PR	01/22/2017	OW	123-43245	MARKHAM 7	RI
446103	WELL	PR	01/29/2017	OW	123-43246	MARKHAM 9	RI
446105	WELL	PR	01/15/2016	OW	123-43247	MARKHAM 5	RI
446106	WELL	PR	01/22/2017	OW	123-43248	MARKHAM 8	RI
446107	WELL	PR	01/12/2017	OW	123-43249	MARKHAM 3	RI
446207	WELL	PR	02/08/2017	OW	123-43274	MARKHAM 12	RI
446208	WELL	PR	01/24/2017	OW	123-43275	MARKHAM 11	RI
447875	WELL	PR	01/13/2017	OW	123-43649	MARKHAM 2	RI
447876	WELL	PR	01/11/2017	OW	123-43650	MARKHAM 1	RI

**General Comment:**

This is an Interim Reclamation and Stormwater Inspection. Corrective action dates are not being submitted because this location is being referred to enforcement. This inspection is being entered for notification and documentation only and is not intended to provide the Operator the opportunity to resolve the alleged violations without the imposition of a penalty, pursuant to Rule 522.c.(1). The reason this inspection is being processed in this manner is because there are several Reclamation and Safety rule and regulation violations.

**Location**Overall Good: ☐

Emergency Contact Number:

Comment: Corrective Action: Date: **Good Housekeeping:**

Type	UNUSED EQUIPMENT		
Comment:	Unused equipment was observed along the southwest and eastern location. Refer to the attached inspection photos for more detail- Photos 3 and 9.		
Corrective Action:	Comply with Rule 603.f. immediately.	Date:	
Type	WEEDS		
Comment:	This location is not in compliance with Rule 603.f. Kochia weeds (Kochia scoparia) and weed debris were observed along portions of the location and was not managed and controlled. Kochia established on the fill slopes and topsoil stockpile.		
Corrective Action:	Comply with Rule 603.f. immediately to control and manage weedy, annual vegetation to prevent weed waste and prevent spread of dispersing seeds onto adjacent lands.	Date:	

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>446099</u>	Type: <u>WELL</u>	API Number: <u>123-43242</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446100</u>	Type: <u>WELL</u>	API Number: <u>123-43243</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446101</u>	Type: <u>WELL</u>	API Number: <u>123-43244</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446102</u>	Type: <u>WELL</u>	API Number: <u>123-43245</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446103</u>	Type: <u>WELL</u>	API Number: <u>123-43246</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446105</u>	Type: <u>WELL</u>	API Number: <u>123-43247</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446106</u>	Type: <u>WELL</u>	API Number: <u>123-43248</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446107</u>	Type: <u>WELL</u>	API Number: <u>123-43249</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446207</u>	Type: <u>WELL</u>	API Number: <u>123-43274</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>446208</u>	Type: <u>WELL</u>	API Number: <u>123-43275</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>447875</u>	Type: <u>WELL</u>	API Number: <u>123-43649</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>447876</u>	Type: <u>WELL</u>	API Number: <u>123-43650</u>	Status: <u>PR</u>	Insp. Status: <u>RI</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 \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002c. PROTECTION OF SOILS \_\_\_\_\_ Fail \_\_\_\_\_

Comment \_\_\_\_\_

This location is not in compliance with Rule 1002.c. Cheatgrass and Kochia establishment were observed throughout the entire topsoil stockpile, violating Rule 1002.c. to prevent weed establishment on the topsoil stockpile.

Corrective Action \_\_\_\_\_

Comply with Rule 1002.c. immediately.

Date \_\_\_\_\_

1002E. SURFACE DISTURBANCE MINIMIZATION \_\_\_\_\_ Fail \_\_\_\_\_

Comment \_\_\_\_\_

This location is not in compliance with Rule 1002.e. for the following reasons: 1) Based upon Google Earth aerial imagery and a physical walk through on the day of this inspection, the Operator failed to comply with the approved Form 2A (Document #400990702). The total disturbance area is approximately 6.7 acres, exceeding the permitted surface disturbance of 5.0 acres, violating Rule 1002.e. to reasonably minimize land disturbances, and 2) Gully erosion was observed along the north fill slope which caused sediment discharge off location and other site degradation, violating Rule 1002.e. to maintain the location to minimize erosion, alteration of natural features, removal of surface materials, and degradation due to contamination.

Corrective Action \_\_\_\_\_

Comply with Rule 1002.e. immediately.

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? Fail 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? Fail

**RESTORATION AND REVEGETATION**Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced Fail Recontoured Fail 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

This location is not in compliance with Rule 1003.b. Operator has failed to perform interim reclamation activities on areas not needed for production operations within six months on non-cropland, violating Rule 1003.b. Interim reclamation activities should have been completed by July 15, 2017. This date is based off when the last wells were anticipated for flowback, plus one additional month (Anticipated Date of Production= December 15, 2017 + one month= January 15, 2017). All approved wells (12 wells) are on production; therefore, no ongoing operations were required for this location.

Corrective Action

Comply with Rule 1003.b. immediately.

Date \_\_\_\_\_

Overall Interim Reclamation Fail**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:						Date _____
Corrective Action:						
Overall Final Reclamation		Well Release on Active Location <input type="checkbox"/>		Multi-Well Location <input type="checkbox"/>		

**Storm Water:**

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

Comment:	<p style="color: blue;">This location is not in compliance with Rule 1002.f.(2). Operator failed to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Gully erosion was observed along the north fill slope which caused sediment discharge off location which was able to be observed with aerial imagery. Operator failed to maintain stormwater BMPs (e.g., silt fence). Silt fence BMP was in disrepair throughout the entire location.</p>					Date: _____
Corrective Action:	<p style="color: red;">Comply with Rule 1002.f.(2) immediately.</p>					

**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
682403448	Inspection Photos	<a href="http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4428096">http://ogccwebblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4428096</a>