

**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:

03/22/2018

Submitted Date:

03/29/2018

Document Number:

681701013

**FIELD INSPECTION FORM**

Loc ID 317349 Inspector Name: Arauza, Steven On-Site Inspection  2A Doc Num: \_\_\_\_\_

**Status Summary:**

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

**Operator Information:**

OGCC Operator Number: 24320  
Name of Operator: DIAMOND OPERATING, INC.  
Address: 6666 GUNPARK DR STE #200  
City: BOULDER State: CO Zip: 80301

**Findings:**

- 17 Number of Comments
- 11 Number of Corrective Actions
- Corrective Action Response Requested

**Contact Information:**

Contact Name	Phone	Email	Comment
Leonard, Mike		mike.leonard@state.co.us	
Peterson, Dave	(303) 494-4420	davep@flatironenergy.com	
Young, Rob		rob.young@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
104604	PIT	AC			-	WARD 4	EI
117678	PIT	AC			-	WARD	EI
451311	SPILL OR RELEASE	AC			-	Ward water pit 117618	EI
454249	SPILL OR RELEASE	AC			-	Ward 5	EI

**General Comment:**

[COGCC environmental inspection of tank battery and pit complex. Follow-up to Spill Report #401324821 and Remediation Project #10429.](#)

**Location**

Overall Good:

**Signs/Marker:**

Type	BATTERY		
Comment:	Adequate		
Corrective Action:		Date:	
Type	TANK LABELS/PLACARDS		
Comment:	Skim tank lacks NFPA placard and volume/content labels.		
Corrective Action:	Install sign to comply with Rule 210.b.	Date:	05/29/2018

**Emergency Contact Number:**

Comment:

Corrective Action:  Date: \_\_\_\_\_

**Good Housekeeping:**

Type	UNUSED EQUIPMENT		
Comment:	Unused equipment (junk pipe) east of 500 bbl produced water AST and at NW corner of CDPHE discharge pit. See photos.		
Corrective Action:	Comply with Rule 603.f. (unused equipment)	Date:	04/29/2018

Overall Good:

**Spills:**

Type	Area	Volume	
Crude Oil	Tank	>= 5 bbls	
Comment:	Historical accumulations of oily waste underlying 500 bbl crude oil ASTs and valves. See photos.		
Corrective Action:	Remove and properly dispose of oily waste, per Rule 907.e.		Date: 04/29/2018

In Containment: No

Comment:

Multiple Spills and Releases?

**Tanks and Berms:**

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	1	500 BBLS	STEEL AST		,
Comment:					
Corrective Action:					Date:

**Paint**

Condition	<input type="text"/>
Other (Content)	<input type="text"/>
Other (Capacity)	<input type="text"/>
Other (Type)	<input type="text"/>

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate			Inadequate

Comment:		Earthen berm (shared with skim tank) is shallow and eroded. See photos.				Date:		04/29/2018
Corrective Action:		Repair or install berms or other secondary containment devices per Rule 605.a.(4). (500 bbl produced water AST)				Date:		04/29/2018
Contents	#	Capacity	Type	Tank ID	SE GPS			
OTHER	1	OTHER	Open Top		,			
Comment:		Open top skim tank.				Date:		
Corrective Action:						Date:		
<b>Paint</b>								
Condition								
Other (Content)	Skim tank							
Other (Capacity)								
Other (Type)								
<b>Berms</b>								
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance				
Earth	Inadequate			Inadequate				
Comment:		Earthen berm (shared with 500 bbl produced water AST) is shallow and eroded. See photos.				Date:		04/29/2018
Corrective Action:		Repair or install berms or other secondary containment devices per Rule 605.a.(4). (skim tank)				Date:		04/29/2018
Contents	#	Capacity	Type	Tank ID	SE GPS			
PRODUCED WATER	2	OTHER	STEEL AST		,			
Comment:						Date:		
Corrective Action:						Date:		
<b>Paint</b>								
Condition								
Other (Content)								
Other (Capacity)	400 bbls & 200 bbls							
Other (Type)								
<b>Berms</b>								
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance				
Earth	Inadequate			Inadequate				
Comment:		Earthen berm shared by 200 bbl & 400 bbl produced water ASTs is shallow and eroded. See photos.				Date:		04/29/2018
Corrective Action:		Repair or install berms or other secondary containment devices per Rule 605.a.(4). (produced water ASTs)				Date:		04/29/2018
Contents	#	Capacity	Type	Tank ID	SE GPS			
CRUDE OIL	2	500 BBLS	STEEL AST		,			
Comment:		Historical accumulations of oily waste underlying 500 bbl crude oil ASTs. See photos.				Date:		04/29/2018
Corrective Action:		Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d. (crude oil ASTs)				Date:		04/29/2018
<b>Paint</b>								
Condition								
Other (Content)								
Other (Capacity)								

Other (Type) _____				
<b>Berms</b>				
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate		Base Insufficient	Inadequate
Comment:	Earthen berms shared by 500 bbl crude oil ASTs are shallow and eroded. Base of berms also is eroded and undercutting ASTs. See photos.			
Corrective Action:	Repair or install berms or other secondary containment devices per Rule 605.a.(4). (crude oil ASTs).			Date: 04/29/2018
<b>Venting:</b>				
Yes/No				
Comment:				
Corrective Action:				Date:
<b>Flaring:</b>				
Type				
Comment:				
Corrective Action:				Date:

**Inspected Facilities**

Facility ID: 104604 Type: PIT API Number: - Status: AC Insp. Status: EI

Facility ID: 117678 Type: PIT API Number: - Status: AC Insp. Status: EI

Facility ID: 451311 Type: SPILL OR API Number: - Status: AC Insp. Status: EI

Facility ID: 454249 Type: SPILL OR API Number: - Status: AC Insp. Status: EI

**Environmental**

**Waste Management:**

Type	Management	Condition	GPS (Lat)	(Long)
Oily Soil	Piles	Inadequate		
Comment	Stockpile of oily waste (~50 cu. yds) related to Spill ID #454249 at entrance to tank battery. See photos.			
Corrective Action	Remove and properly dispose of oily waste, per Rule 907.e.			Date: 04/13/2018

**Spill/Remediation:**

Comment:	Initial Spill Report, doc #401324821, lists discovery date of 6/26/2017. To date, operator has not submitted an eForm 19 Supplemental Spill Report for Spill ID #451311.		
Corrective Action:	Immediately submit Supplemental eForm 19 Spill Report with attachments required by Rule 906.b and conditions of approval for Initial Spill Report doc #401324821.	Date:	07/06/2017

Emission Control Burner (ECB): \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Storm Water:**

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

Comment:

Corrective Action:

Date: \_\_\_\_\_

**Pits:**  NO SURFACE INDICATION OF PIT

Type: Produced Water Lined: NO Pit ID: \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_

Reference Point: \_\_\_\_\_ Other: \_\_\_\_\_ Length: \_\_\_\_\_ Width: \_\_\_\_\_

**Lining:**

Liner Type: \_\_\_\_\_ Liner Condition: \_\_\_\_\_

Comment: CDPHE Discharge Facility. Permit #COG840019.

Corrective Action

Date: c

**Fencing:**

Fencing Type: \_\_\_\_\_ Fencing Condition: \_\_\_\_\_

Comment:

Corrective Action

Date: \_\_\_\_\_

**Netting:**

Netting Type: \_\_\_\_\_ Netting Condition: \_\_\_\_\_

Comment:

Corrective Action

Date: \_\_\_\_\_

Anchor Trench Present: \_\_\_\_\_ Oil Accumulation: NO 2+ feet Freeboard: NO

Comment: East pit lacks method of monitoring freeboard. See photos.

Corrective Action

Install method of monitoring and maintaining freeboard, per Rule 902.b. (east pit).

Date: 04/29/2018

Type: Produced Water Lined: NO Pit ID: 104604 Lat: 39.900197 Long: -103.404641

Reference Point: \_\_\_\_\_ Other: \_\_\_\_\_ Length: \_\_\_\_\_ Width: \_\_\_\_\_

**Lining:**

Liner Type: \_\_\_\_\_ Liner Condition: \_\_\_\_\_

Comment:

Corrective Action

Date: c

**Fencing:**

Fencing Type: \_\_\_\_\_ Fencing Condition: \_\_\_\_\_

Comment:

Corrective Action

Date: \_\_\_\_\_

**Netting:**

Netting Type: \_\_\_\_\_ Netting Condition: \_\_\_\_\_

<b>Comment:</b>		<b>Date:</b>
<b>Corrective Action</b>		
<b>Anchor Trench Present:</b>	<b>Oil Accumulation:</b>	<b>2+ feet Freeboard:</b>
<b>Comment:</b>	<a href="#">Open excavation remaining (to be closed under Remediation Project #10429).</a>	
<b>Corrective Action</b>		<b>Date:</b>
<b>Type:</b> <u>Produced Water</u>	<b>Lined:</b> <u>NO</u>	<b>Pit ID:</b> <u>117678</u>
	<b>Lat:</b> <u>39.899821</u>	<b>Long:</b> <u>-103.404917</u>
<b>Reference Point:</b>	<b>Other:</b>	<b>Length:</b> <u>150</u>
		<b>Width:</b> <u>60</u>
<b>Lining:</b>		
<b>Liner Type:</b>	<b>Liner Condition:</b>	
<b>Comment:</b>		
<b>Corrective Action</b>		<b>Date:</b> <u>g</u>
<b>Fencing:</b>		
<b>Fencing Type:</b>	<b>Fencing Condition:</b>	
<b>Comment:</b>		
<b>Corrective Action</b>		<b>Date:</b>
<b>Netting:</b>		
<b>Netting Type:</b>	<b>Netting Condition:</b>	
<b>Comment:</b>	<a href="#">Mesh-covered vertical culvert at SE corner of pit. See photos.</a>	
<b>Corrective Action</b>		<b>Date:</b>
<b>Anchor Trench Present:</b>	<b>Oil Accumulation:</b> <u>NO</u>	<b>2+ feet Freeboard:</b> <u>YES</u>
<b>Comment:</b>		
<b>Corrective Action</b>		<b>Date:</b>

**Attached Documents**

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

Document Num	Description	URL
401590735	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4417721">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4417721</a>
681701023	Field photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4417720">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4417720</a>