

**FORM  
INSP**Rev  
05/11**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:

02/10/2016

Document Number:

680701325

Overall Inspection:

**ACTION REQUIRED****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	418267	418247	Peterson, Tom	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 69175Name of Operator: PDC ENERGY INCAddress: 1775 SHERMAN STREET - STE 3000City: DENVER State: CO Zip: 80203

- ☐ THIS IS A FOLLOW UP INSPECTION
- ☒ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED
- ☒ INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

**Contact Information:**

Contact Name	Phone	Email	Comment
,		cogccinspection@pdce.com	All inspections

**Compliance Summary:**QtrQtr: NWNW Sec: 21 Twp: 4N Range: 67W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
418267	WELL	PR	11/01/2010	OW	123-31871	EEE 21ADU	PR	<input checked="" type="checkbox"/>
418268	WELL	PR	01/01/2011	OW	123-31872	Ryland 20SD	PR	<input checked="" type="checkbox"/>
418270	WELL	PR	11/01/2010	OW	123-31874	Ryland 20VD	PR	<input checked="" type="checkbox"/>
418271	WELL	PR	02/28/2011	OW	123-31875	EEE 11-21DU	PR	<input checked="" type="checkbox"/>
418272	WELL	PR	02/28/2011	OW	123-31876	EEE 21-21DU	PR	<input checked="" type="checkbox"/>
418273	WELL	PR	02/28/2011	OW	123-31877	Ryland 20UD	PR	<input checked="" type="checkbox"/>
418295	WELL	PR	11/01/2010	OW	123-31887	Ryland 42-20D	PR	<input checked="" type="checkbox"/>
418296	WELL	PR	02/28/2011	OW	123-31888	Centennial 12-21DU	PR	<input checked="" type="checkbox"/>
418302	WELL	PR	02/28/2011	OW	123-31890	EEE 21NDU	PR	<input checked="" type="checkbox"/>
418303	WELL	PR	01/01/2011	OW	123-31891	Centennial 21KDU	PR	<input checked="" type="checkbox"/>
418304	WELL	PR	02/28/2011	OW	123-31892	Centennial 22-21DU	PR	<input checked="" type="checkbox"/>
418305	WELL	PR	01/01/2011	OW	123-31893	Centennial 21GDU	PR	<input checked="" type="checkbox"/>

Inspector Name: Peterson, Tom

418343	WELL	PR	11/01/2010	OW	123-31902	Ryland 41-20D	PR	<input checked="" type="checkbox"/>
418351	WELL	PR	11/01/2010	OW	123-31906	Ryland 20RD	PR	<input checked="" type="checkbox"/>
418373	WELL	PR	12/01/2010	OW	123-31911	Ryland 20CD	PR	<input checked="" type="checkbox"/>

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: 15	Production Pits: _____
Condensate Tanks: _____	Water Tanks: 2	Separators: 4	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: 8	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: 2	Fuel Tanks: _____

**Location****Lease Road:**

Type	Satisfactory/Action Required	comment	Corrective Action	Date

**Signs/Marker:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY	x 15		
TANK LABELS/PLACARDS	SATISFACTORY			
CONTAINERS	SATISFACTORY	Chemical systems		
BATTERY	ACTION REQUIRED	Battery signage does not accurately reflect all wells being produced into battery. See attached photos.	Install sign to comply with rule 210.	04/08/2016

Emergency Contact Number (S/AR): SATISFACTORY

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

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

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

**Good Housekeeping:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
UNUSED EQUIPMENT	ACTION REQUIRED	Large amount of unused roadbase on pad between wellheads and separators. See attached photo.	Utilize or remove roadbase.	04/08/2016
TRASH	ACTION REQUIRED	Broken boards and plastic sheeting on pad between wellheads and battery. See attached photo.	Remove trash.	04/08/2016

<b>Spills:</b>				
Type	Area	Volume	Corrective action	CA Date
Crude Oil	WELLHEAD	<= 1 bbl	Remove or remediate stained soil (<1 bbl) below master valves on Centennial 21KDU, 12-21DU, 21GDU, and Ryland 20VD wellheads. Repair all leaks. See representative photo.	04/08/2016

☐ Multiple Spills and Releases?

<b>Fencing/:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
LOCATION	SATISFACTORY	Chain link		
WELLHEAD	SATISFACTORY	Panel x 15		
IGNITOR/COMBUST OR	SATISFACTORY	Panel x 4		

<b>Equipment:</b>				
Type: Horizontal Heated Separator	# 4	Satisfactory/Action Required:	SATISFACTORY	
Comment	N40.30273 W-104.90350			
Corrective Action				Date:
Type: Gas Meter Run	# 2	Satisfactory/Action Required:	SATISFACTORY	
Comment	Multiple tube meter runs.			
Corrective Action				Date:
Type: Emission Control Device	# 4	Satisfactory/Action Required:	SATISFACTORY	
Comment	N40.30267 W-104.90349			
Corrective Action				Date:
Type: Pig Station	# 1	Satisfactory/Action Required:	SATISFACTORY	
Comment	N40.30294 W-104.90347			
Corrective Action				Date:
Type: Ancillary equipment	# 7	Satisfactory/Action Required:	SATISFACTORY	
Comment	Two ECD scrubbers and five automation arrays.			
Corrective Action				Date:
Type: Other	# 2	Satisfactory/Action Required:	SATISFACTORY	
Comment	Sound walls on west and south sides of separator and ECD area.			
Corrective Action				Date:
Type: Plunger Lift	# 15	Satisfactory/Action Required:	ACTION REQUIRED	
Comment	Lubricator on EEE 21-21DU is leaking. See attached photo.			
Corrective Action	Repair all leaks.			Date: 4/8/2016
Type: Bird Protectors	# 8	Satisfactory/Action Required:	SATISFACTORY	
Comment				
Corrective Action				Date:

**Facilities:** ☐ New Tank Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
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Inspector Name: Peterson, Tom

PRODUCED WATER	2	100 BBLS	PBV FIBERGLASS	40.303150,-104.903490
S/AR	SATISFACTORY	Comment:		
Corrective Action:				Corrective Date:

Paint

Condition	Adequate
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Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action				Corrective Date	
Comment					

Facilities:☐ New Tank

Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	8	300 BBLS	STEEL AST	40.303150,-104.903490

S/AR	SATISFACTORY	Comment:		
Corrective Action:				Corrective Date:

Paint

Condition	Adequate
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Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action				Corrective Date	
Comment					

Venting:

Yes/No	NO
Comment	

Flaring:

Type	Satisfactory/Action Required		
Comment:			
Corrective Action:			Correct Action Date:

**Predrill**

Location ID: 418267

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

S/AR: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
Agency		Drill rig(s) must be equipped with mufflers to reduce rig engine noise. Time operations where feasible to reduce and nighttime noise coming from the drilling location. Minimize light disturbance by directing lights away from the subdivision and using light diffusing material on individual drilling rig lights.	07/14/2010
Agency		A sound barrier shall be in place during drilling and completion operations, by placing hay bales in an arc shape around the location to deflect sound, light and the visual aspects of the drilling operation. Operator shall insure that this mitigation addresses wellsite employee emergency escape routes.	07/14/2010
Agency	youngrr	Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.	05/25/2010
Agency		Control access to the site to authorized personnel only during drilling and completion operations.	07/14/2010

S/AR: \_\_\_\_\_ Comment: \_\_\_\_\_

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

**Wildlife BMPs:**

S/AR: \_\_\_\_\_ Comment: \_\_\_\_\_

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

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

**Staking:****On Site Inspection (305):**Surface Owner Contact Information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Operator Rep. Contact Information:

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

LGD Contact Information:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

Summary of Landowner Issues:

\_\_\_\_\_

Summary of Operator Response to Landowner Issues:

\_\_\_\_\_

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

\_\_\_\_\_

**Facility**

Facility ID: 418267 Type: WELL API Number: 123-31871 Status: PR Insp. Status: PR

**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**

CA:

CA Date:

Facility ID: 418268 Type: WELL API Number: 123-31872 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**

CA:

CA Date:

Facility ID: 418270 Type: WELL API Number: 123-31874 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**

CA:

CA Date:

Facility ID: 418271 Type: WELL API Number: 123-31875 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**

CA:

CA Date:

Facility ID: 418272 Type: WELL API Number: 123-31876 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**

CA:

CA Date:

Facility ID: 418273 Type: WELL API Number: 123-31877 Status: PR Insp. Status: PR**Producing Well**Comment: **PR**

**BradenHead**

Comment: Bradenhead is exposed at surface.

CA:

CA Date:

Facility ID: 418295 Type: WELL API Number: 123-31887 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Bradenhead is exposed at surface.

CA:

CA Date:

Facility ID: 418296 Type: WELL API Number: 123-31888 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Bradenhead is exposed at surface.

CA:

CA Date:

Facility ID: 418302 Type: WELL API Number: 123-31890 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Bradenhead is exposed at surface.

CA:

CA Date:

Facility ID: 418303 Type: WELL API Number: 123-31891 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Bradenhead is exposed at surface.

CA:

CA Date:

Facility ID: 418304 Type: WELL API Number: 123-31892 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

**BradenHead**

Comment: Bradenhead is exposed at surface.

CA:

CA Date:

Facility ID: 418305 Type: WELL API Number: 123-31893 Status: PR Insp. Status: PR

**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**CA: CA Date: Facility ID: 418343 Type: WELL API Number: 123-31902 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**CA: CA Date: Facility ID: 418351 Type: WELL API Number: 123-31906 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**CA: CA Date: Facility ID: 418373 Type: WELL API Number: 123-31911 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is exposed at surface.**CA: CA Date: **Environmental****Spills/Releases:**Type of Spill:  Description:  Estimated Spill Volume: Comment: Corrective Action:  Date: Reportable:  GPS: Lat  Long Proximity to Surface Water:  Depth to Ground Water: **Water Well:**DWR Receipt Num:  Owner Name:  GPS:  Lat  Long **Field Parameters:**Sample Location:



Inspector Name: Peterson, Tom

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

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

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

### Reclamation - Storm Water - Pit

#### Interim Reclamation:

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: COMMERCIAL, IMPROVED PASTURE

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

1003a. Waste and Debris removed? In \_\_\_\_\_

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass \_\_\_\_\_

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass \_\_\_\_\_

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

CM \_\_\_\_\_

CA \_\_\_\_\_ CA 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 REVEGETATION

##### Cropland

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

##### Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

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

Overall Interim Reclamation \_\_\_\_\_

#### Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: IMPROVED PASTURE

Reminder: \_\_\_\_\_

Inspector Name: Peterson, Tom

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 \_\_\_\_\_

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
Gravel	Pass	Gravel	Pass			

S/A/V: SATISFACTOR  
Y \_\_\_\_\_

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

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

CA: \_\_\_\_\_

**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
680701326	Master valve	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780992">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780992</a>
680701327	EEE 21-21 lubricator	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780993">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780993</a>
680701328	Trash	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780994">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780994</a>
680701329	Unused roadbase	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780995">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780995</a>
680701331	Battery sign	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780996">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780996</a>
680701332	Battery sign	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780997">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780997</a>