

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:
	<u>418267</u>	<u>418247</u>	<u>Peterson, Tom</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number:	<u>69175</u>
Name of Operator:	<u>PDC ENERGY INC</u>
Address:	<u>1775 SHERMAN STREET - STE 3000</u>
City:	<u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>

- 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
		<u>cogccinspection@pdce.com</u>	<u>All inspections</u>

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: <u>15</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>2</u>	Separators: <u>4</u>	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: <u>8</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>2</u>	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

Spills:				
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?

Fencing/:				
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		

Equipment:				
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:				
<input type="checkbox"/> New Tank	Tank ID: _____			
Contents	#	Capacity	Type	SE GPS

Inspector Name: Peterson, Tom

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

Yes/No	NO
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Comment	
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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	youngr	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: _____

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 _____ Corrective Date: _____

Y _____

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	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780992
680701327	EEE 21-21 lubricator	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780993
680701328	Trash	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780994
680701329	Unused roadbase	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780995
680701331	Battery sign	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780996
680701332	Battery sign	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3780997