

Inspector Name: Sherman, Susan

**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

DE ET OE ES

Inspection Date:  
10/28/2014Document Number:  
673707452Overall Inspection:  
SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	439187	439191	Sherman, Susan	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10414Name of Operator: CASCADE PETROLEUM LLCAddress: 1331 17TH STREET #400City: DENVER State: CO Zip: 80202

- ☐ 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
Ritchie, Todd	(303) 407-6500	tritchie@cascaedepetroleum.com	
Bugg, Bryan	(303) 407-6500	bbugg@cascaedepetroleum.com	
Sommer, Ashley	(303) 407-6500	asommer@cascaedepetroleum.com	

**Compliance Summary:**QtrQtr: NWNE Sec: 8 Twp: 9S Range: 55W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
439187	WELL	DG	10/27/2014		073-06665	GAEDE 9S-55W-8-16	DG	<input checked="" type="checkbox"/>

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>1</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>2</u>	Separators: <u>1</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: <u>1</u>
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: <u>1</u>	Oil Tanks: <u>2</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>1</u>	Fuel Tanks: _____

**Location**

Emergency Contact Number (S/A/V): \_\_\_\_\_ Corrective Date: \_\_\_\_\_

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

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

**Spills:**

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

**Venting:**

Yes/No

Comment

**Flaring:**

Type

Satisfactory/Action Required

Comment

Corrective Action

CA Date

**Predrill**

Location ID: 439187

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_

Pads: \_\_\_\_\_

Soil Stockpile: \_\_\_\_\_

**S/A/V:** \_\_\_\_\_

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

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

CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	HouseyM	The proposed location is in a sensitive area within close proximity to a surface water drainage. BMPs (including engineering and administrative controls) shall be implemented to minimize potential impacts to the drainage from soil and/or contaminant migration.	09/24/2014
OGLA	HouseyM	Operator shall submit a Form 42 to the COGCC 48 hours prior to the commencement of construction activities.	09/24/2014

**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

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

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

**Wildlife BMPs:**

BMP Type	Comment
Interim Reclamation	Utilize only such area around each producing well as is reasonably necessary. Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations.
Storm Water/Erosion Control	Use water bars, and other measures to prevent erosion and non-source pollution. Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation.
Construction	Remove only the minimum amount of vegetation necessary for the construction of roads and facilities. Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment.
General Housekeeping	Fence the well site after drilling to restrict public and wildlife access. Keep well site location, the road, and the pipeline easement free of litter and debris. Implement dust control, as needed. There will be no release or discharge of any toxic or hazardous chemicals or wastes on Owner's Land. Construct and maintain gates where any roads used cross through fences on the leased premises.
Final Reclamation	All surface restoration shall be accomplished to the satisfaction of Owner. Final reclamation shall be completed to the reasonable satisfaction of the Owner as soon as practical after installation (weather permitting) and in accordance with regulatory agency standards (BLM/COGCC).

**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

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

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

**Stormwater:**

**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: 439187 Type: WELL API Number: 073-06665 Status: DG Insp. Status: DG

**Well Drilling**

**Rig:** Rig Name: Schaal Drilling Pusher/Rig Manager: Armando Burciaga  
 Permit Posted: SATISFACTORY Access Sign: \_\_\_\_\_

**Well Control Equipment:**

Pipe Ram: \_\_\_\_\_ Blind Ram: \_\_\_\_\_ Hydril Type: \_\_\_\_\_  
 Pressure Test BOP: \_\_\_\_\_ Test Pressure PSI: \_\_\_\_\_ Safety Plan: \_\_\_\_\_

**Drill Fluids****Management:**

Lined Pit: YES Unlined Pit: YES Closed Loop: NO Semi-Closed Loop: NO  
 Multi-Well: NO Disposal Location: on location

**Comment:**

TD 536', surface casing 529', no groundwater  
 FW pit 39.28637, -103.57516, Drilling pit 39.28617, -103/57484  
 Frac tank between pits for extra water

**Cement****Cement Contractor**

Contractor Name: Consolidated OWS

Contractor Phone: 785-672-8822

**Surface Casing**

Cement Volume (sx): 275

Circulate to Surface: YES

Cement Fall Back: \_\_\_\_\_

Top Job, 1" Volume: \_\_\_\_\_

**Intermediate Casing**

Cement Volume (sxs): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

**Production Casing**

Cement Volume (sx): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

**Plugging Operations**

Depth Plugs(feet range): \_\_\_\_\_

Cement Volume (sx): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

Cement Type: \_\_\_\_\_

Comment: 3% CaCL, 2% gel

**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): \_\_\_\_\_

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

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

**Reclamation - Storm Water - Pit****Interim Reclamation:**

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

Land Use: RANGELAND

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

1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_

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

Waste Material Onsite? \_\_\_\_\_ CM \_\_\_\_\_

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

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Unused or unneeded equipment onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Guy line anchors removed? \_\_\_\_\_ 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: 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 \_\_\_\_\_

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

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

Overall Final Reclamation \_\_\_\_\_ Well Release on Active Location ☐ Multi-Well Location ☐

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Silt Fences	Pass					
Gravel	Pass	Gravel	Pass			
Ditches	Pass	Ditches	Pass			
Other	Pass	Other	Pass			straw bales/staked, top soil piles
Blankets	Pass					
Retention Ponds	Pass					
Compaction	Pass	Compaction	Pass			

S/A/V: SATISFACTOR

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

Y

Comment: Site under construction during surface drilling. Steep location.

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

Pits: ☐ NO SURFACE INDICATION OF PIT**COGCC Comments**

Comment	User	Date
Site construction in process.	ShermaSe	10/31/2014

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

Document Num	Description	URL
673707527	Cascase Gaede 8 16 Dr FW pit	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472286">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472286</a>
673707528	Cascase Gaede 8 16 Dr cover materials	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472287">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472287</a>
673707529	Cascase Gaede 8 16 Dr drill pit	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472288">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472288</a>
673707530	Cascase Gaede 8 16 Dr ditches	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472289">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472289</a>
673707531	Cascase Gaede 8 16 Dr surface rig	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472290">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472290</a>
673707532	Cascase Gaede 8 16 Dr straw bales	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472291">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472291</a>
673707533	Cascase Gaede 8 16 Dr silt fence	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472292">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472292</a>
673707534	Cascase Gaede 8 16 Dr top soil	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472293">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472293</a>
673707535	Cascase Gaede 8 16 Dr drainage	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472294">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472294</a>
673707536	Cascase Gaede 8 16 Dr frac tank	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472295">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3472295</a>