

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:

06/17/2014

Document Number:

673704120

Overall Inspection:

ACTION REQUIRED**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	430398	430399	Sherman, Susan	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 95620

Name of Operator: WESTERN OPERATING COMPANY

Address: 518 17TH ST STE 200

City: 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
Hart, Dale		dale@westernoperating.com	

Compliance Summary:

QtrQtr: NWNE Sec: 30 Twp: 12S Range: 52W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
01/16/2014	673700889	DG	PA	SATISFACTOR Y			No
01/15/2014	673700887	DG	PA	SATISFACTOR Y			No
08/21/2013	668601274	DG	TA	SATISFACTOR Y	I		No
02/04/2013	668600319	XX	TA	ACTION REQUIRED	I		No

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
430398	WELL	DG	12/04/2012	LO	073-06485	CULLEN BOYERO 1-30	PA	<input checked="" type="checkbox"/>

Equipment:Location Inventory

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

Location

Emergency Contact Number (S/A/V): ACTION

Corrective Date: _____

Inspector Name: Sherman, Susan

Comment:

Corrective Action: **Install emergency contact number on sign.**

Spills:

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

Venting:

Yes/No	Comment
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Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
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Predrill

Location ID: 430398

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/AV: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	allisonr	<p>Water Testing: Prior to drilling, operator shall sample the two (2) closest domestic water wells, springs, or surface water features within a one (1) mile radius of the proposed oil and gas location. Testing preference shall be given to domestic water wells and springs over surface water. Testing of surface water features shall only be conducted if two (2) water wells or springs do not exist within a one (1) mile radius of the selected oil and gas location. If possible, the water wells or springs selected should be on opposite sides of the oil and gas location not exceeding a one (1) mile radius. If water wells or springs on opposite sides of the oil and gas location cannot be identified, then the two (2) closest wells or springs within a one (1) mile radius of the oil and gas location shall be sampled. The sample location shall be surveyed in accordance with Rule 215.</p> <p>Water well testing shall include laboratory analysis of pH, total dissolved solids (TDS), specific conductivity (SC), sodium adsorption ratio (SAR) calculation, total recoverable metals (calcium [Ca], potassium [K], magnesium [Mg], sodium [Na], arsenic [As], boron [B], barium [Ba], cadmium [Cd], chromium [Cr], copper [Cu], iron [Fe], manganese [Mn], lead [Pb], selenium [Se]), cations and anions (bromide [Br], chloride [Cl], fluoride [F], sulfate [SO₄]), alkalinity (total, HCO₃, and CO₃ – all expressed as CaCO₃), benzene, toluene, ethyl benzene, o-xylene, m- + p-xylene (BTEX), dissolved methane, diesel range organics (DRO), gasoline range organics (GRO), and nutrients (nitrates, nitrites). Sampling shall be performed by qualified individuals using commonly accepted environmental sampling procedures. Field observations such as pH, temperature, specific conductance, odor, water color, sediment, bubbles, and effervescence shall also be included.</p> <p>Post-completion tests shall be performed for the same analytical parameters listed above and repeated one (1), three (3) and six (6) years thereafter. If no significant changes from the baseline have been identified after the third test (i.e. the six-year test), no further testing shall be required. Additional test(s) may be required if changes in water quality are identified during follow-up testing. The Director may require further water well sampling at any time in response to complaints from water well owners.</p> <p>If free gas or a dissolved methane concentration level greater than one (1) milligrams per liter (mg/l) is detected in a water well, gas compositional analysis and stable isotope analysis of the methane (carbon and deuterium) shall be performed to determine gas type (biogenic or thermogenic). If the methane concentration increases by more than five (5) mg/l between sampling periods, or increases to more than ten (10) mg/l, the operator shall notify the Director and the owner of the water well immediately. If thermogenic methane concentrations increase between sampling periods, the operator shall submit to the Director an action plan to determine the source of the increase.</p> <p>Copies of all test results described above shall be provided to the Director and the landowner where the water quality testing well is located within three (3) months of collecting the samples used for the test. The analytical data and surveyed sample locations shall also be submitted to the Director in an electronic data deliverable format approved by Director.</p>	10/11/2012

S/A/V: _____ **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

S/A/V: _____ **Comment:** _____

CA: _____ **Date:** _____

Stormwater:

Comment: _____

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Inspector Name: Sherman, Susan

Name: _____	Address: _____	
Phone Number: _____	Cell Phone: _____	
<u>Operator Rep. Contact Information:</u>		
Landman Name: _____	Phone Number: _____	
Date Onsite Request Received: _____	Date of Rule 306 Consultation: _____	
Request LGD Attendance: _____		
<u>LGD Contact Information:</u>		
Name: _____	Phone Number: _____	Agreed to Attend: _____
<u>Summary of Landowner Issues:</u>		

<u>Summary of Operator Response to Landowner Issues:</u>		

<u>Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:</u>		

Facility

Facility ID: 430398	Type: WELL	API Number: 073-06485	Status: DG	Insp. Status: PA
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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 _____
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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 _____

Inspector Name: Sherman, Susan

Waste Material Onsite? _____ CM _____
CA _____ CA Date _____
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 Pass Pit mouse/rat holes, cellars backfilled Pass
Debris removed Pass No disturbance /Location never built _____
Access Roads Regraded In Contoured Pass Culverts removed _____
Gravel removed Pass
Location and associated production facilities reclaimed Pass Locations, facilities, roads, recontoured In
Compaction alleviation In Dust and erosion control In
Non cropland: Revegetated 80% In Cropland: perennial forage _____
Weeds present In Process Subsidence _____

Comment: **Need to reclaim access road. See attached photos.**

Corrective Action: **Reinspect next growing season.** Date **06/30/2015**

Overall Final Reclamation In Process Well Release on Active Location ☐ Multi-Well Location ☐

Inspector Name: Sherman, Susan

Storm Water:

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

S/A/V: _____ 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
673704545	Western Operating Cullen Boyero 1-30 Final Recl	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3376912
673704546	Western Operating Cullen Boyero 1-30 Final Recl	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3376913
673704547	Western Operating Cullen Boyero 1-30 Final Recl	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3376914