

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:
07/15/2016
Document Number:
668004615
Overall Inspection:
SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>437156</u>	<u>437155</u>	<u>DURAN, JOHN</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 66561
Name of Operator: OXY USA INC
Address: PO BOX 27757 #110
City: HOUSTON State: TX Zip: 77227-

- 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
Giussani, Albert	806-894-0200/806-638-1296	albert_giussani@oxy.com	Engineering Advisor

Compliance Summary:

QtrQtr: SESW Sec: 1 Twp: 28S Range: 70W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
05/27/2015	668003468	PR	PR	SATISFACTORY			No
01/15/2015	668003106	DG	PR	SATISFACTORY	I		No
05/15/2014	668002160	XX	ND	SATISFACTORY			No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
437156	WELL	PR	11/11/2015	GW	055-06316	Sheep Mountain Unit 1-12-B	PR <input checked="" type="checkbox"/>

Equipment:

Location Inventory

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

Emergency Contact Number (S/AR): SATISFACTORY Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Spills:				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

Fencing/:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Equipment:				
Type: Ancillary equipment	# 1	Satisfactory/Action Required: SATISFACTORY		
Comment	Wellhead and pipeline.			
Corrective Action			Date:	

Venting:	
Yes/No	
Comment	

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

Predrill				
Location ID:	437156			
Lease Road Adeq.:		Pads:		Soil Stockpile:
S/AR:				
Corrective Action:		Date:		CDP Num.:
Form 2A COAs:				

Group	User	Comment	Date
OGLA	HouseyM	Reference Area Photographs will be submitted within 12 months from the submittal date of this Form 2A.	05/02/2014

S/AR: _____ **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

BMP Type	Comment
Interim Reclamation	<p>4. Interim reclamation</p> <ul style="list-style-type: none"> a. Use a variety of native grasses and forbs to establish effective, interim reclamation on all disturbed areas (e.g., road shoulders and borrow areas), including disturbed areas where additional future ground disturbance is expected to occur. b. Oxy will make a good-faith effort to perform interim reclamation to final reclamation species composition and establishment standards. c. Perform "interim" reclamation on all disturbed areas not needed for active support of production operations. <p>5. Riparian areas (none associated with this pad or associated access roads and pipelines)</p> <ul style="list-style-type: none"> a. Replace all riparian vegetation removed during development at a rate of at least 3:1. b. Restore both form and function of impacted wetlands and riparian areas and mitigate erosion. <p>6. Disposal</p> <ul style="list-style-type: none"> a. Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements. b. Remove and properly dispose of degraded silt fencing and erosion control materials after their utility has expired. c. Remove and properly dispose of pit contents where contamination of surface water, groundwater, or soil by pit contents cannot be effectively prevented. <p>7. Establishing reclaimed areas</p> <ul style="list-style-type: none"> a. Apply certified weed free mulch and crimp or tacify to remain in place to reclaim areas for seed preservation and moisture retention. b. Utilize staked soil retention blankets for erosion control and reclamation of large surface areas with 3:1 or steeper slopes. Avoid use of plastic blanket materials, known to cause mortality of snakes. c. Control weeds in areas surrounding reclamation areas in order to reduce weed competition. d. Educate employees and contractors about weed issues. <ul style="list-style-type: none"> • Use early and effective reclamation techniques, including an aggressive interim reclamation program, to return habitat to use by greater sage-grouse as quickly as possible. • Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife. • Close and immediately reclaim all roads that are redundant, not used regularly, or have been abandoned to the maximum extent possible to minimize disturbance and habitat fragmentation. • Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restoration. • Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed. • Restore disturbed sagebrush sites with the appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.
Wildlife	<p>OXY USA WTP LP and OXY USA Inc.</p> <p>Sensitive Wildlife Habitat: Elk Production Area and Bighorn Sheep</p> <ul style="list-style-type: none"> • Consult with CPW to identify locations of elk production areas and bighorn sheep production areas. Map all seasonal habitats using CPW habitat selection models as they become available. • After drilling and completions activities reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors. • Schedule, as best as possible, well site visitations to portions of the day between 8:00 a.m. and 3:00 p.m. between November 1 through April 15 in Bighorn Sheep areas. • Schedule, as best as possible, well site visitations to portions of the day between 8:00 a.m. and 3:00 p.m. between May 15 through June 30 in elk production areas. • Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads. • Implement the species appropriate Infrastructure Layout and Drilling and Production Operations Wildlife Protection Measures found in Section II D. of the CPW Wildlife BMP document as follows: • Section II D. DRILLING AND PRODUCTION OPERATIONS WILDLIFE PROTECTION

MEASURES: The purpose of these measures is to reduce disturbance on the actual drill site and the surrounding area, to reduce direct conflict with wildlife and hunters, and to prevent wildlife access to equipment.

1. Use centralized hydraulic fracturing operations.
2. Where possible, transport water through centralized pipeline systems rather than by trucking.
3. Where possible, locate pipeline systems under existing roadways, or roadways that are planned for development.
4. Maximize use of state-of-the-art drilling technology (e.g., high efficiency rigs, coiled-tubing unit rigs, closed-loop or pitless drilling, etc.) to minimize disturbance.
5. Conduct well completions with drilling operations to limit the number of rig moves and traffic.
6. Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.

- Minimize surface disturbance and fragmentation of elk and bighorn sheep habitat through use of the smallest facility footprints possible, use of multiple well pads, clustering of roads and pipelines, and the widest possible spacing of surface facilities.

- Remove all unnecessary infrastructure.

- Treat waste water pits and any associated pit containing water that provides a suitable medium for breeding mosquitoes with Bti (*Bacillus thuringiensis v. israelensis*) or take other effective action to control mosquito larvae that may spread West Nile Virus to wildlife, especially grouse.

- In order to prevent wildlife from accessing the temporary drilling pits, pits will be contained by a 4-foot high fence. Further, while the pit is not in use, flagging will be placed over the pit to prevent birds from entering the pit.

- Implement the species appropriate reclamation guidelines found in Section II G. of the CPW Wildlife BMP document.

- Section II G. RESTORATION, RECLAMATION AND ABANDONMENT: The purpose of these measures is to restore disturbed sites to their pre-development conditions, using native vegetation that can be used by the indigenous wildlife. Develop a reclamation plan in consultation with CPW, NRCS, and the land owner or land management agency that incorporates wildlife species-specific goals and that defines reclamation performance standards, including the following components:

1. Seed

- a. Use only certified weed-free native seed in seed mixes, unless use of non-native plant materials is recommended by CPW.

- b. Use locally adapted seed whenever available, especially for species which have wide geographic ranges and much genetic variation (e.g., big sagebrush (*Artemisia tridentata*), antelope bitterbrush (*Purshia tridentata*), etc.).

- c. Where more than one ecotype of a given species is available and potentially adapted to the site, include more than one ecotype per species in the seed mix.

- d. Use appropriately diverse reclamation seed mixes that mirror an appropriate reference area for the site being reclaimed (see also species-specific recommendations).

- e. Conduct seeding in a manner that ensures that seedbed preparation and planting techniques are targeted toward the varied needs of grasses, forbs and shrubs (e.g., seed forbs and shrubs separately from grasses, broadcast big sagebrush but drill grasses, etc.).

- f. Emphasize bunchgrass over sod-forming grasses in seed mixes in order to provide more effective wildlife cover and to facilitate forb and shrub establishment.

- g. Seed immediately after recontouring and spreading topsoil. Spread topsoil and conduct seeding during optimal periods for seed germination and establishment. Use of the same contractor for re-contouring land as used for seeding is often the most effective approach.

- h. Do not include aggressive, non-native grasses (e.g., intermediate wheatgrass, pubescent wheatgrass, crested wheatgrass, smooth brome, etc.) in reclamation seed mixes. Site specific exceptions may be considered.

- i. Distribute quick germinating site adapted native seed or sterile non-native seed for interim reclamation on cut and fill slopes and topsoil piles.

- j. Plan for reclamation failure and be prepared to repeat seeding as necessary to meet vegetation cover, composition, and diversity standards.

2. Vegetative Cover Standard

- a. Choose reference areas as goals for reclamation that have high wildlife value, with attributes such a diverse and productive understory of vegetation, productive and palatable shrubs, and a high prevalence of native species.

- b. Establish vegetation with total perennial non-invasive plant cover of at least eighty (80) percent of pre-disturbance or reference area levels.

- c. Establish vegetation with plant diversity of non-invasive species which is at least half that of pre-disturbance or reference area levels. Quantify diversity of vegetation using a metric that considers only species with at least 3 percent relative plant cover.

- d. Observe and maintain a performance standard for reclamation success characterized by the

establishment of a self-sustaining, vigorous, diverse, locally appropriate plant community on the site, with a density sufficient to control erosion and non-native plant invasion and diversity sufficient to allow for normal plant community development.

3. Timing

- a. Use early and effective reclamation techniques, including interim reclamation to accelerate return of disturbed areas for use by wildlife.
- b. Remove all unnecessary infrastructure.
- c. Close and reclaim roads not necessary for development immediately, including removing all bridges and culverts and recontouring/reclaiming all stream crossings.
- d. Reclaim reserve pits as quickly as possible after drilling and ensure that pit contents do not contaminate soil.
- e. Remediate hydrocarbon spills on disturbed areas prior to reclamation.
- f. Reclaim sites during optimum seasons (e.g. late fall/early winter or early spring).
- g. Complete final reclamation activities so that seeding occurs during the first optimal season following plugging and abandonment of oil and gas wells.

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: 437156 Type: WELL API Number: 055-06316 Status: PR Insp. Status: PR

Producing Well

Comment: PR

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: _____ Lat _____ Long _____
 DWR Receipt Num: _____ Owner Name: _____ GPS : _____

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. Waste and Debris removed? _____

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 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: _____

Inspector Name: DURAN, JOHN

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

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
668004615	INSPECTION APPROVED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3906608