

**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
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Inspection Date:

05/14/2014

Document Number:

668002144

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection
	211837	333348	DURAN, JOHN	<input type="checkbox"/> 2A Doc Num: _____

**Operator Information:**OGCC Operator Number: 66561Name of Operator: OXY USA INCAddress: PO BOX 27757City: 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	

**Compliance Summary:**

QtrQtr: <u>NENE</u>	Sec: <u>22</u>	Twp: <u>27S</u>	Range: <u>70W</u>				
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
06/26/2013	668001347	PR	PR	SATISFACTOR Y	P		No
06/26/2012	668000329	PR	PR	SATISFACTOR Y			No
09/19/2011	200323076	PR	PR	SATISFACTOR Y			No
04/25/2011	200308942	PR	PR	SATISFACTOR Y			No
05/27/2010	200254459	PR	PR	SATISFACTOR Y			No
06/01/2009	200212365	PR	PR	SATISFACTOR Y			No
08/14/2008	200194255	PR	PR	SATISFACTOR Y			No
07/19/2007	200116091	PR	PR	SATISFACTOR Y		Pass	No
07/11/2005	200078431	PR	PR	SATISFACTOR Y		Pass	No
03/19/2002	200025099	PR	PR	SATISFACTOR Y		Pass	No
08/31/1999	500143370	PR	PR			Pass	No
09/11/1996	500143369	PR	PR			Pass	No
04/17/1995	500143368	PR	PR				

**Inspector Comment:**

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
211829	WELL	PR	08/13/1982	GW	055-06066	Sheep Mountain Unit 6-15-I	PR	✗
211831	WELL	PR	05/15/1982	GW	055-06068	SHEEP MOUNTAIN UNIT 2-22-A	PR	✗
211832	WELL	PR	09/30/1982	GW	055-06069	SHEEP MOUNTAIN UNIT 4-14-M	PR	✗
211833	WELL	PR	09/29/1982	GW	055-06070	SHEEP MOUNTAIN UNIT 5-15-O	PR	✗
211834	WELL	PR	03/20/2008	GW	055-06071	SHEEP MOUNTAIN UNIT 1-22-H	PR	✗
211837	WELL	PR	09/30/1982	GW	055-06074	SHEEP MOUNTAIN UNIT 3-23-D	PR	✗
436941	WELL	XX	04/27/2014		055-06314	Sheep Mountain Unit 4-23-L	ND	✗

**Equipment:**Location Inventory

Special Purpose Pits: \_\_\_\_\_ Drilling Pits: \_\_\_\_\_ Wells: 7 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****Signs/Marker:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY			

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

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

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

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

**Spills:**

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

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Ancillary equipment	6	SATISFACTORY	Wells		

**Venting:**

Yes/No	Comment

<b>Flaring:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 211837

**Site Preparation:**

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

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

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

**Form 2A COAs:****S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Wildlife BMPs:**

BMP Type	Comment
Interim Reclamation	<p>4. Interim reclamation</p> <p>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.</p> <p>b. Oxy will make a good-faith effort to perform interim reclamation to final reclamation species composition and establishment standards.</p> <p>c. Perform "interim" reclamation on all disturbed areas not needed for active support of production operations.</p> <p>5. Riparian areas (none associated with this pad or associated access roads and pipelines)</p> <p>a. Replace all riparian vegetation removed during development at a rate of at least 3:1.</p> <p>b. Restore both form and function of impacted wetlands and riparian areas and mitigate erosion.</p> <p>6. Disposal</p> <p>a. Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements.</p> <p>b. Remove and properly dispose of degraded silt fencing and erosion control materials after their utility has expired.</p> <p>c. Remove and properly dispose of pit contents where contamination of surface water, groundwater, or soil by pit contents cannot be effectively prevented.</p> <p>7. Establishing reclaimed areas</p> <p>a. Apply certified weed free mulch and crimp or tacyfy to remain in place to reclaim areas for seed preservation and moisture retention.</p> <p>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.</p> <p>c. Control weeds in areas surrounding reclamation areas in order to reduce weed competition.</p> <p>d. Educate employees and contractors about weed issues.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.</li> <li>• 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.</li> <li>• Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restoration.</li> <li>• Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.</li> <li>• Restore disturbed sagebrush sites with the appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.</li> </ul>
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"> <li>• Consult with CPW to identify locations of elk production areas and bighorn sheep production</li> </ul>

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/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: 211829 Type: WELL API Number: 055-06066 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

Inspector Name: DURAN, JOHN

Facility ID: 211831 Type: WELL API Number: 055-06068 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 211832 Type: WELL API Number: 055-06069 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 211833 Type: WELL API Number: 055-06070 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 211834 Type: WELL API Number: 055-06071 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 211837 Type: WELL API Number: 055-06074 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436941 Type: WELL API Number: 055-06314 Status: XX Insp. Status: ND

**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. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 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? \_\_\_\_\_ P \_\_\_\_\_

Comment: 

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

#### **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 \_\_\_\_\_

Inspector Name: DURAN, JOHN

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