

**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

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Inspection Date:

04/29/2015

Document Number:

673801991

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	435083	435083	Gomez, Jason	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10459Name of Operator: EXTRACTION OIL & GAS LLCAddress: 1888 SHERMAN ST #200City: DENVER State: CO Zip: 80203

- ☐ 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
		COGCCinspections@extracti onog.com	

**Compliance Summary:**QtrQtr: SWSW Sec: 23 Twp: 6N Range: 67W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
435181	WELL	DG	08/12/2014	LO	123-38498	DIAMOND VALLEY EAST 5	DG	<input checked="" type="checkbox"/>
435182	WELL	DG	12/21/2013	LO	123-38499	DIAMOND VALLEY EAST 4	DG	<input checked="" type="checkbox"/>
435183	WELL	DG	07/31/2014	LO	123-38500	DIAMOND VALLEY EAST 3	DG	<input checked="" type="checkbox"/>
435290	WELL	DG	01/01/2014	LO	123-38564	DIAMOND VALLEY EAST 11	DG	<input checked="" type="checkbox"/>
435291	WELL	DG	12/21/2013	LO	123-38565	DIAMOND VALLEY EAST 1	DG	<input checked="" type="checkbox"/>
435292	WELL	DG	10/14/2014	LO	123-38566	DIAMOND VALLEY EAST 2	DG	<input checked="" type="checkbox"/>
435293	WELL	DG	12/21/2013	LO	123-38567	DIAMOND VALLEY EAST 7	DG	<input checked="" type="checkbox"/>
435294	WELL	DG	08/15/2014	LO	123-38568	DIAMOND VALLEY EAST 6	DG	<input checked="" type="checkbox"/>
435729	WELL	DG	08/23/2014	LO	123-38760	DIAMOND VALLEY EAST 9	DG	<input type="checkbox"/>
435730	WELL	DG	03/01/2014	LO	123-38761	DIAMOND VALLEY EAST 10	DG	<input type="checkbox"/>
436581	WELL	DG	08/19/2014		123-39183	DIAMOND VALLEY EAST 8	DG	<input type="checkbox"/>
439097	WELL	DG	11/12/2014		123-40317	DIAMOND VALLEY EAST 13	DG	<input type="checkbox"/>

439098	WELL	DG	10/27/2014		123-40318	DIAMOND VALLEY EAST 12	DG	<input type="checkbox"/>
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**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>13</u>	Production Pits: _____
Condensate Tanks: <u>8</u>	Water Tanks: <u>4</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: <u>10</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**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?**Venting:**

Yes/No	Comment
NO	

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**Location ID: 435083**Site Preparation:**

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

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

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

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	andrewsd	Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the irrigation ditches located 150 feet west and 550 feet east of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.	11/15/2013
OGLA	andrewsd	"This oil and gas location is permitted for production and oil and gas operations associated with the onsite wells. Management of produced fluids or E&P Waste from off site is not permitted without submittal of an amended Form 2A first.	11/15/2013

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

BMP Type	Comment
Material Handling and Spill Prevention	Tank specifications. Tanks will be designed, constructed and maintained in accordance with NFPA Code 30. The tanks are visually inspected once a day for issues, and recorded inspections are conducted once a month.
Planning	Multi-well Pads. It is a multi-well pad located in a manner which allows for resource extraction while maintaining the highest distances possible from the offsetting residential areas.
Drilling/Completion Operations	Guy line anchors. All guy line anchors shall be brightly marked pursuant to Rule 604.c(2)Q
Drilling/Completion Operations	Closed Loop Drilling Systems – Pit Restrictions. Not applicable; a closed-loop system will be used for drilling.
Drilling/Completion Operations	BOPE for well servicing operations. Adequate BOP equipment shall be used. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low and high pressure fluid.
Final Reclamation	Well site cleared. Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.
Traffic control	Access roads. The access road will be constructed to accommodate local emergency vehicles. This road will be maintained for access at all times
Material Handling and Spill Prevention	Leak Detection Plan. Pumper will visit the location daily and visually inspect all tanks and fittings for leaks. Additionally, monthly documented SPCCP inspections are conducted pursuant to 40 CFR §112.
Drilling/Completion Operations	Drill stem tests. Not applicable; no Drill Stem tests are planned.
Drilling/Completion Operations	Green Completions – Emission Control Systems. Test separators and associated flow lines and sand traps shall be installed on-site to accommodate Green completions techniques pursuant to COGCC Rules. In the anticipated absence of a viable gas sales line, the flowback gas shall be thermally oxidized in an emissions control device (ECD), which will be installed and kept in operable condition for least the first 90-days of production pursuant to CDPHE rules. This ECD shall have an adequate capacity for 1.5 times the largest flowback within a 10 mile radius, will be flanged to route gas to other or permanent oxidizing equipment and shall be provided with the equipment needed to maintain combustion where non-combustible gases are present.
Drilling/Completion Operations	Blowout preventer equipment (“BOPE”). A double ram and annular preventer will be used during drilling. At least the drilling company shall have a valid well blowout prevention certifications.
Material Handling and Spill Prevention	Berm construction. Tank berms shall be constructed of steel rings with a synthetic or engineered liner and designed to contain 150% of the capacity of the largest tank. All berms will be visually checked periodically to ensure proper working condition.
Material Handling and Spill Prevention	Loadlines. All loadlines shall be bullplugged or capped.
Drilling/Completion Operations	Control of fire hazards. All materials which are considered fire hazards shall be a minimum of 25' from the wellhead tanks or separators. Electrical equipment shall comply with API RP 500 and will comply with the current national electrical code. An emergency response plan has been generated for this site, please see the attached “EMERGENCY RESPONSE AND FIRE PROTECTION PLAN: DIAMOND VALLEY EAST LOCATION”
Noise mitigation	Lighting abatement measures shall be implemented, including the installation lighting shield devices on all of the more conspicuous lights, low density sodium lighting where practicable; and rig shrouding is not believed necessary as this is an industrial area and the only building unit within 1,000' is owned by the operator, however, at its election the operator may install temporary engineering controls consisting of perimeter sound walls shall be used on the location during drilling and completion activities to provide noise relief. Permanent equipment on location shall be muffled to reduce noise, or shall be appropriately buffered.
Final Reclamation	Identification of plugged and abandoned wells. P&A'd wells shall be identified pursuant to 319.a. (5).
Traffic control	Traffic Plan. Traffic plans will be reviewed with the Town of Windsor in order to minimize impact to streets and residents

Inspector Name: Gomez, Jason

General Housekeeping	Removal of surface trash. All trash, debris and material not intrinsic to the operation of the oil and gas facility shall be removed and legally disposed of as applicable.
General Housekeeping	Fencing requirements. A permanent fencing plan will be reviewed by the surface owner, the applicant.
Drilling/Completion Operations	Pit level indicators. Not applicable; a closed-loop system will be used and no pits shall be dug.

**S/AV:** \_\_\_\_\_ **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: 435181 Type: WELL API Number: 123-38498 Status: DG Insp. Status: DG

#### **Well Stimulation**

Stimulation Company: Liberty Stimulation Type: HYDRAULIC FRAC

Other: \_\_\_\_\_

#### **Observation:**

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 435182 Type: WELL API Number: 123-38499 Status: DG Insp. Status: DG

**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_

Fluid: \_\_\_\_\_

Gas: \_\_\_\_\_

Facility ID: 435183 Type: WELL API Number: 123-38500 Status: DG Insp. Status: DG**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_

Fluid: \_\_\_\_\_

Gas: \_\_\_\_\_

Facility ID: 435290 Type: WELL API Number: 123-38564 Status: DG Insp. Status: DG**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_

Fluid: \_\_\_\_\_

Gas: \_\_\_\_\_

Facility ID: 435291 Type: WELL API Number: 123-38565 Status: DG Insp. Status: DG**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_

Fluid: \_\_\_\_\_

Gas: \_\_\_\_\_

Facility ID: 435292 Type: WELL API Number: 123-38566 Status: DG Insp. Status: DG**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_

Fluid: \_\_\_\_\_

Gas: \_\_\_\_\_

Facility ID: 435293 Type: WELL API Number: 123-38567 Status: DG Insp. Status: DG

**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

Facility ID: 435294 Type: WELL API Number: 123-38568 Status: DG Insp. Status: DG**Well Stimulation**Stimulation Company: LibertyStimulation Type: HYDRAULIC FRAC**Observation:**

Other: \_\_\_\_\_

Maximum Casing Recorded: \_\_\_\_\_ PSI

Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_

Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

**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): Y

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

Pilot: OFF Wildlife Protection Devices (fired vessels): YES**Reclamation - Storm Water - Pit****Interim Reclamation:**

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

Land Use: IRRIGATED

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? \_\_\_\_\_

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

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: IRRIGATED

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 ☐

Inspector Name: Gomez, Jason

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Gravel	Pass	VT	Pass	
S/A/V: SATISFACTOR Y _____						
Corrective Date: _____						
Comment: _____						
CA: _____						
<b>Pits:</b> <input checked="" type="checkbox"/> NO SURFACE INDICATION OF PIT						