

**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:

08/25/2016

Document Number:

673803631

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: 370 17TH STREET SUITE 5300City: 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
		COGCCinspections@extracti onog.com	

Compliance Summary:QtrQtr: SWSW Sec: 23 Twp: 6N Range: 67W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
05/15/2015	673802059			ACTION REQUIRED			No
04/29/2015	673801991			SATISFACTORY			No

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
435181	WELL	PR	06/01/2015	SI	123-38498	DIAMOND VALLEY EAST 5	PR	<input checked="" type="checkbox"/>
435182	WELL	PR	04/01/2015	OW	123-38499	DIAMOND VALLEY EAST 4	PR	<input checked="" type="checkbox"/>
435183	WELL	PR	06/01/2015	SI	123-38500	DIAMOND VALLEY EAST 3	PR	<input checked="" type="checkbox"/>
435290	WELL	PR	04/01/2015	OW	123-38564	DIAMOND VALLEY EAST 11	PR	<input checked="" type="checkbox"/>
435291	WELL	PR	12/21/2013	OW	123-38565	DIAMOND VALLEY EAST 1	PR	<input checked="" type="checkbox"/>
435292	WELL	PR	08/01/2015	SI	123-38566	DIAMOND VALLEY EAST 2	PR	<input checked="" type="checkbox"/>
435293	WELL	PR	04/01/2015	OW	123-38567	DIAMOND VALLEY EAST 7	PR	<input checked="" type="checkbox"/>
435294	WELL	PR	06/01/2015	SI	123-38568	DIAMOND VALLEY EAST 6	PR	<input checked="" type="checkbox"/>
435729	WELL	PR	06/01/2015	SI	123-38760	DIAMOND VALLEY EAST 9	PR	<input checked="" type="checkbox"/>

Inspector Name: Gomez, Jason

435730	WELL	PR	04/01/2015	OW	123-38761	DIAMOND VALLEY EAST 10	PR	<input checked="" type="checkbox"/>
436581	WELL	PR	06/01/2015	OW	123-39183	DIAMOND VALLEY EAST 8	PR	<input checked="" type="checkbox"/>
439097	WELL	PR	08/01/2015	OW	123-40317	DIAMOND VALLEY EAST 13	PR	<input checked="" type="checkbox"/>
439098	WELL	PR	08/01/2015	OW	123-40318	DIAMOND VALLEY EAST 12	PR	<input checked="" type="checkbox"/>
446638	TANK BATTERY	AC	07/15/2016		-	DIAMOND VALLEY EAST PAD	AC	<input type="checkbox"/>

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 Mortors: _____	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**Signs/Marker:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
BATTERY	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
TANK LABELS/PLACARDS	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
CONTAINERS	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			
WELLHEAD	SATISFACTORY			

Emergency Contact Number (S/AR): SATISFACTORY

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

Type	Area	Volume	Corrective action	CA Date
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Inspector Name: Gomez, Jason

☐ Multiple Spills and Releases?**Fencing/:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY	1 LARGE AG PANEL AROUND ALL WELL HEADS		

Equipment:

Type: Vertical Separator	# 2	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Compressor	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Pig Station	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Emission Control Device	# 7	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Gas Meter Run	# 14	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Plunger Lift	# 13	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Bird Protectors	# 20	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: Horizontal Separator	# 3	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		
Type: VRU	# 4	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action	Date:		

Tanks and Berms:☐ New Tank

Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2	OTHER	PBV FIBERGLASS	40.467180,-104.869080
S/AR	SATISFACTORY	Comment:	150 BBL	
Corrective Action:				Corrective Date:

Inspector Name: Gomez, Jason

Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action		Corrective Date	
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Comment	
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Tanks and Berms: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	3	400 BBLS	STEEL AST	40.466540,-104.869070

S/AR	SATISFACTORY	Comment:	
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Corrective Action:		Corrective Date:	
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Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action		Corrective Date	
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Comment	
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Tanks and Berms: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	17	400 BBLS	STEEL AST	40.466540,-104.869070

S/AR	SATISFACTORY	Comment:	
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Corrective Action:		Corrective Date:	
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Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action		Corrective Date	
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Comment	
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Venting:

Yes/No	NO
Comment	

Flaring:

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

Predrill

Location ID: 435083

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

S/AR: _____

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/AR: _____ **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.
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
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.
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.

Inspector Name: Gomez, Jason

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.
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	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.
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.
Final Reclamation	Identification of plugged and abandoned wells. P&A'd wells shall be identified pursuant to 319.a. (5).
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.
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.
Drilling/Completion Operations	Pit level indicators. Not applicable; a closed-loop system will be used and no pits shall be dug.
Traffic control	Traffic Plan. Traffic plans will be reviewed with the Town of Windsor in order to minimize impact to streets and residents
General Housekeeping	Fencing requirements. A permanent fencing plan will be reviewed by the surface owner, the applicant.

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:

Inspector Name: Gomez, Jason

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: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: PLUMBED TO SURFACE

CA: _____

CA Date: _____

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

Producing Well

Comment: PR

BradenHead

Comment: PLUMBED TO SURFACE

CA: _____

CA Date: _____

Facility ID: 435183 Type: WELL API Number: 123-38500 Status: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: PLUMBED TO SURFACE

CA: _____

CA Date: _____

Facility ID: 435290 Type: WELL API Number: 123-38564 Status: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: PLUMBED TO SURFACE

CA: _____

CA Date: _____

Facility ID: 435291 Type: WELL API Number: 123-38565 Status: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHeadComment: **PLUMBED TO SURFACE**CA: CA Date:

Facility ID: 435292 Type: WELL API Number: 123-38566 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**CA: CA Date:

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

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**CA: CA Date:

Facility ID: 435294 Type: WELL API Number: 123-38568 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**CA: CA Date:

Facility ID: 435729 Type: WELL API Number: 123-38760 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**CA: CA Date:

Facility ID: 435730 Type: WELL API Number: 123-38761 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**CA: CA Date:

Facility ID: 436581 Type: WELL API Number: 123-39183 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**

CA:

CA Date:

Facility ID: 439097 Type: WELL API Number: 123-40317 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**

CA:

CA Date:

Facility ID: 439098 Type: WELL API Number: 123-40318 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **PLUMBED TO SURFACE**

CA:

CA Date:

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): Y

Comment:

Pilot: ON Wildlife Protection Devices (fired vessels): YES

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

Inspector Name: Gomez, Jason

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: IRRIGATED

Comment: _____

1003a. Waste and Debris removed? Pass

CM _____

CA _____

CA Date _____

Unused or unneeded equipment onsite? Pass

CM _____

CA _____

CA Date _____

Pit, cellars, rat holes and other bores closed? Pass

CM _____

CA _____

CA Date _____

Guy line anchors marked? _____

CM _____

CA _____

CA Date _____

1003b. Area no longer in use? In

Production areas stabilized ? In

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? In

Segregated soils have been replaced? In

RESTORATION AND REVEGETATION

Cropland

Top soil replaced _____

Recontoured _____

Perennial forage re-established _____

Non-Cropland

Top soil replaced In

Recontoured In

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 _____

Inspector Name: Gomez, Jason

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	Vehicle Tracking	Pass	

S/A/V: SATISFACTORY _____ Corrective Date: _____

Comment: _____

CA: _____

Pits: ☒ NO SURFACE INDICATION OF PIT