

**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:

01/13/2015

Document Number:

673801661

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	436071	436071	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
Silva, Jesse	970-396-0421	jsilva@extractionog.com	Operations Manager
Keidel, Janni	720-382-2682	jkeidel@extractionog.com	Sr. Regulatory Specialist

**Compliance Summary:**QtrQtr: SESE Sec: 13 Twp: 6N Range: 67W**Inspector Comment:**Appears all Corrective Actions from 673801386 have been corrected.**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
436070	WELL	DG	03/03/2014	LO	123-38912	RUBYANNA 13C-28W	PR	<input checked="" type="checkbox"/>
436072	WELL	DG	03/03/2014	LO	123-38913	Rubyanna 13C-25W	PR	<input checked="" type="checkbox"/>
436073	WELL	DG	05/15/2014	LO	123-38914	RUBYANNA 13C-32W	PR	<input checked="" type="checkbox"/>
436074	WELL	DG	05/07/2014	LO	123-38915	RUBYANNA 13C-30W	PR	<input checked="" type="checkbox"/>
436084	WELL	DG	04/17/2014	LO	123-38920	Rubyanna 13NB-29W	PR	<input checked="" type="checkbox"/>
436085	WELL	DG	02/20/2014	LO	123-38921	RUBYANNA 13NB-27W	PR	<input checked="" type="checkbox"/>
436089	WELL	DG	03/03/2014	LO	123-38923	RUBYANNA 13NC-26W	PR	<input checked="" type="checkbox"/>
436092	WELL	DG	04/29/2014	LO	123-38924	RUBYANNA 13NB-31W	PR	<input checked="" type="checkbox"/>
437687	PIT	AC	06/23/2014		-	Rubyanna 13 Pad	AC	<input type="checkbox"/>

**Equipment:**Location Inventory

Inspector Name: Gomez, Jason

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>8</u>	Production Pits: _____
Condensate Tanks: <u>16</u>	Water Tanks: <u>8</u>	Separators: <u>8</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: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>4</u>	Fuel Tanks: _____

### Location

Emergency Contact Number (S/A/V): \_\_\_\_\_ 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
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### Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
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### Predrill

Location ID: 436071

### 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
Drilling/Completion Operations	Bradenhead Monitoring BMP: Operator will comply with COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.
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	Development from existing well pads. These additional wells are located on an already approved location assessment and have been clustered in two lines to minimize surface disturbance area and cut and fill volumes.

Emissions mitigation	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.
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
PROPOSED BMPs	Operator will remove only the minimum amount of vegetation required for construction of freshwater pit. Plan to conserve topsoil excavations and store in a designated area for reuse after pit has been reclaimed. No construction or maintenance activities will be performed during periods when the soil/roads are too wet to adequately support construction equipment.
Drilling/Completion Operations	Guy line anchors. All guy line anchors shall be brightly marked pursuant to Rule 604.c(2)Q.
Drilling/Completion Operations	Anti-Collision BMP: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed wells. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as constructed gyro survey will be submitted to COGCC with the Form 5.
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.
	604.c.(2)B.v - Escape provision: this pit will be equipped with emergency escape provisions should there be inadvertent human access; such provisions may consist of a ramp, hand-holds or traction devices, and will not compromise the pit liner.
Material Handling and Spill Prevention	Loadlines. All loadlines shall be bullplugged or capped.
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.
General Housekeeping	Fencing requirements. A meeting with the surface owner will determine fencing plan.
Drilling/Completion Operations	A closed-loop system will be used during drilling.
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.
PROPOSED BMPs	Pit dimensions will be consistent with the scaled pit design submitted with the pit application (Form 15). A 36 millimeter thick synthetic liner will be used, and 2 feet of freeboard will be maintained at all times. Please reference pit design for additional information.
Drilling/Completion Operations	Drill stem tests. Not applicable; no Drill Stem tests are planned.
Drilling/Completion Operations	During fracing operations on-site personnel will monitor the pit fluid level on a 24 hour basis to ensure a minimum of 2 feet freeboard is maintained. Operator will make use of straw hay bales, gravel and other measures to prevent erosion, storm water run-off and site degradation during pit use.
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 and complies with the wishes of the surface owner.

Inspector Name: Gomez, Jason

Planning	Site-specific measures. This location has been designed to mitigate the visual impacts to the surrounding properties.
Final Reclamation	All surface restoration will be accomplished immediately following fracing operations, and to the satisfaction of the surface owner. The synthetic liner will be removed, pit backfilled, and site reclaimed and graded per the consistent with original condition.
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.
Final Reclamation	Identification of plugged and abandoned wells. P&A'd wells shall be inditified persuant to 319.a. (5).
PROPOSED BMPs	During fracing operations on-site personnel will monitor the pit fluid level on a 24 hour basis to ensure a minimum of 2 feet freeboard is maintained. Operator will make use of straw hay bales, gravel and other measures to prevent erosion, storm water run-off and site degradation during pit use.
Pre-Construction	Pit dimensions will be consistent with the scaled pit design submitted with the pit application (Form 15). A 36 millimeter thick synthetic liner will be used, and 2 feet of freeboard will be maintained at all times. Please reference pit design for additional information.
Noise mitigation	Noise. The drilling site is far enough away from the building unit that noise mitigation is not required.
Construction	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
Traffic control	Traffic Plan. Traffic will be routed to minimize local interruption.
Construction	Operator will remove only the minimum amount of vegetation required for construction of freshwater pit. Plan to conserve topsoil excavations and store in a designated area for reuse after pit has been reclaimed. No construction or maintenance activities will be performed during periods when the soil/roads are too wet to adequately support construction equipment.
PROPOSED BMPs	All surface restoration will be accomplished immediately following fracing operations, and to the satisfaction of the surface owner. The synthetic liner will be removed, pit backfilled, and site reclaimed and graded per the consistent with original condition.
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.
	604.c.(2)B.iv - Pit Signage: a conspicuous sign will be posted at this site and will include the pit name, operator's name and contact information, and a statement indicating that no fluids other than fresh water are permitted in this pit.

**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: \_\_\_\_\_

Inspector Name: Gomez, Jason

Summary of Landowner Issues:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

**Facility**

Facility ID: 436070 Type: WELL API Number: 123-38912 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436072 Type: WELL API Number: 123-38913 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436073 Type: WELL API Number: 123-38914 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436074 Type: WELL API Number: 123-38915 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436084 Type: WELL API Number: 123-38920 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436085 Type: WELL API Number: 123-38921 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436089 Type: WELL API Number: 123-38923 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

Facility ID: 436092 Type: WELL API Number: 123-38924 Status: DG Insp. Status: PR

**Producing Well**

Comment: PR

**Environmental**

**Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

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

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

Inspector Name: Gomez, Jason

Reportable: _____	GPS: Lat _____	Long _____
Proximity to Surface Water: _____	Depth to Ground Water: _____	
<b>Water Well:</b>		
DWR Receipt Num: _____	Owner Name: _____	GPS : _____
<b>Field Parameters:</b>		
Sample Location: _____		
Emission Control Burner (ECB): Y _____		
Comment: _____		
Pilot: ON _____	Wildlife Protection Devices (fired vessels): YES _____	

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: _____	Date Interim Reclamation Completed: _____
Land Use: DRY LAND	
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? _____
<b>RESTORATION AND REVEGETATION</b>	
<u>Cropland</u>	
Top soil replaced _____	Recontoured _____ Perennial forage re-established _____
<u>Non-Cropland</u>	
Top soil replaced _____	Recontoured _____ 80% Revegetation _____

Inspector Name: Gomez, Jason

1003 f. Weeds Noxious weeds? \_\_\_\_\_

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

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

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

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

Final Land Use: DRY LAND

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
Berms	Pass					

S/A/V: SATISFACTOR  
Y \_\_\_\_\_

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

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

CA: \_\_\_\_\_

**Pits:** ☒ NO SURFACE INDICATION OF PIT

Permit:	Facility ID	Permit Num	Expiration Date
	437687	400590966	
	437687	400590966	