

**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:

06/13/2014

Document Number:

674001139

Overall Inspection:

**VIOLATION****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	435075	432988	Carlile, Craig	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10311Name of Operator: SYNERGY RESOURCES CORPORATIONAddress: 20203 HIGHWAY 60City: PLATTEVILLE State: CO Zip: 80651

- ☐ 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
Rasmuson, Craig	970-737-1073	crasmuson@syrinfo.com	
PRECUP, JIM		james.precup@state.co.us	
Sandquist, Rhonda	970-737-1073	rsandquist@syrinfo.com	
Gomez, Jason		jason.gomez@state.co.us	
JOHNSON, RANDELL		randell.johnson@state.co.us	
Pennington, Dave		dpennington@syrinfo.com	Synergy Inspection

**Compliance Summary:**QtrQtr: SWNW Sec: 5 Twp: 2N Range: 68W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
432982	WELL	XX	05/19/2013	LO	123-37389	SRC Union 11-5D	XX
432984	WELL	AL	01/17/2014	LO	123-37391	SRC Union 5FD	AL
432986	WELL	XX	05/19/2013	LO	123-37393	SRC Union 5JD	XX
432989	WELL	AL	01/17/2014	LO	123-37395	SRC Union 12-5D	AL
432990	WELL	DG	02/11/2014	LO	123-37396	SRC Union 12-5CHZ	DG
432991	WELL	DG	03/27/2014	LO	123-37397	SRC Union A-5NHZ	DG
432992	WELL	DG	04/14/2014	LO	123-37398	SRC Union A-5CHZ	DG
432993	WELL	DG	01/03/2014	LO	123-37399	SRC Union C-5NHZ	DG
432994	WELL	XX	05/19/2013	LO	123-37400	SRC Union 12-5NHZ	XX
435075	WELL	DG	01/26/2014	LO	123-38451	SRC Union C-5CHZ	DG

**Equipment:****Location Inventory**

Inspector Name: Carlile, Craig

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>10</u>	Production Pits: _____
Condensate Tanks: <u>22</u>	Water Tanks: <u>11</u>	Separators: <u>10</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: <u>2</u>	VOC Combustor: <u>12</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

<b><u>Signs/Marker:</u></b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	ACTION REQUIRED	Well head signs needed.	Install sign to comply with rule 210.	07/31/2014
BATTERY	SATISFACTORY			
TANK LABELS/PLACARDS	SATISFACTORY			

Emergency Contact Number (S/A/V): \_\_\_\_\_ Corrective Date: \_\_\_\_\_

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

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

<b><u>Good Housekeeping:</u></b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
UNUSED EQUIPMENT	ACTION REQUIRED	Frac Tanks on Site Not Being Used	Remove unused equipment	07/14/2014
TRASH	ACTION REQUIRED	Trash on site, water tank underlayment material.	Remove Trash	07/14/2014

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

<b><u>Equipment:</u></b>					
Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Gas Meter Run	1	SATISFACTORY	Installation in process		
Horizontal Heated Separator	6	SATISFACTORY			
Bird Protectors	8	SATISFACTORY			
Emission Control Device	2	ACTION REQUIRED	Installation in process (needs paint)	Paint	08/14/2014
Other	6	SATISFACTORY	VRU's		

<b>Facilities:</b>		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	4	400 BBLS	STEEL AST	,
S/A/V:	SATISFACTORY		Comment:	
Corrective Action:			Corrective Date:	

Paint

Condition	
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Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
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Comment	Shared with Crude Oil Tanks
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<b>Facilities:</b>	<input type="checkbox"/> New Tank	Tank ID: _____
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Contents	#	Capacity	Type	SE GPS
CONDENSATE	12	500 BBLS	STEEL AST	,

S/A/V:	ACTION REQUIRED	Comment:	Tanks are grounded but lack containment and there is a potential drainage towards the wellheads.
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Corrective Action:	Tanks	Corrective Date:	
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Paint

Condition	
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Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Other	Inadequate			

Corrective Action	Address containment and drainage issues.	Corrective Date	07/30/2014
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Comment	
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Inspector Name: Carlile, Craig

<b>Facilities:</b>		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CRUDE OIL	12	400 BBLS	STEEL AST	40.170680,-105.034260	
S/A/V:	SATISFACTORY		Comment:		
Corrective Action:				Corrective Date:	
<b>Paint</b>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<b>Berms</b>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					
<b>Venting:</b>					
Yes/No		Comment			
<b>Flaring:</b>					
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date	
Field Flare	ACTION REQUIRED	Inspection in response to noise complaint. Note bales on east and south side of location are not in the sightline from the flare to the residences SE of location.	Mitigate sound to ensure compliance with COGCC limits.	06/20/2014	

**Predrill**

Location ID: 435075

**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:****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: 432990 Type: WELL API Number: 123-37396 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: \_\_\_\_\_ Stimulation 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: 432991 Type: WELL API Number: 123-37397 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: \_\_\_\_\_

Stimulation 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: 432992 Type: WELL API Number: 123-37398 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: \_\_\_\_\_

Stimulation 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: 432993 Type: WELL API Number: 123-37399 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: \_\_\_\_\_

Stimulation 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: 435075 Type: WELL API Number: 123-38451 Status: DG Insp. Status: DG

**Well Stimulation**

Stimulation Company: \_\_\_\_\_

Stimulation 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: \_\_\_\_\_

**Complaint:**

Tracking Num	Category	Assigned To	Description	Incident Date
200407481	NOISE	AXELSON, JOHN	Complaint about very high noise level associated with the flare.	06/13/2014
200407481	ODOR	AXELSON, JOHN	Complainant smelled petroleum odor when flare started and is worried about air quality issues.	06/13/2014
200407481	SURFACE WATER	AXELSON, JOHN	Complainant is worried about potential contamination to Union Reservoir.	06/13/2014
200407635	NOISE	Gomez, Jason	On 6-13-2014, the COGCC office received a noise complaint from Jenn Medoff at 11690 Montgomery Circle Longmont CO. The complainant indicated she could here noise coming from a well location with a flare which is located to the west of her home. The complainant was also worried about the flame burning on location which she believed to be causing the noise.	06/13/2014

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: IRRIGATED

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

1003a. Debris removed?     In     CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Waste Material Onsite?     In     CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Unused or unneeded equipment onsite?     In     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?     In     Production areas stabilized ?     In    

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_

Cuttings management: \_\_\_\_\_

Inspector Name: Carlile, Craig

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? **Fail**

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 ☐ In Process ☐

**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 ☐

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Pass					
				MHSP	Pass	Chemical containment under barrels.

S/A/V: SATISFACTOR

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

Y

Comment: Hay bales provide visual barrier to south and east of location.  
Recreational lake to the Northwest of the location.

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

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

**COGCC Comments**



Comment	User	Date
<p>Inspection performed in response to noise complaint. Initial informal sound readings conducted by Jason Gomez (COGCC Field Inspector) indicated potential sound emissions in excess of allowable limits, a formal survey is planned when atmospheric conditions permit. Results from the formal survey will be available in the complaint response.</p> <p>Synergy representatives at the location during the inspection offered to mitigate sound levels by reducing the flow rate to the flare during night operations. Operator also express good faith towards addressing complaint with further abatement actions pending the results of the COGCC formal survey and the operators independant sound survey results/reccomendations.</p> <p>Site is in an active construction phase, transitioning from drilling/fracking to production operations. Normal continuation of this process is expected to address unused equipment and trash issues.</p> <p>This inspection is in response to complaint number: 200407635 The associated complaint response number: 200407710</p>	carlilec	06/13/2014