



COLORADO

Oil & Gas Conservation
Commission

Department of Natural Resources

1120 Lincoln Street, Suite 801
Denver, CO 80203

March 4, 2016

Maria Orms
13015 Marion Drive
Thornton, CO 80241

Dear Ms. Orms,

The Colorado Oil and Gas Conservation Commission (COGCC) received your complaint regarding a potential leak identified by FLIR camera at the North Quebec location operated by Synergy Resources Corporation. The complaint is documented in COGCC document number 200439076, which can be found on the "Complaints" page, off of our main website at <http://cogcc.state.co.us/>. The COGCC investigated this complaint and documented the results in COGCC document number 200439096.

The following actions were taken to address your complaint:

- On 02/24/2016, COGCC inspector Mike Leonard conducted an inspection of the North Quebec 1, 12, 16-8 tank battery (documented in Field Inspection Report [FIR] #678800036; attached to this letter);
- During the inspection, Mr. Leonard did not detect any odors or audible evidence of a leak;
- On 02/25/2016, COGCC Inspector Jeff Rickard conducted an inspection of the North Quebec 1, 12, 16-8 tank battery (documented in FIR #674102937; attached to this letter);
- During the inspection, Mr. Rickard did not detect any odor and conducted a FLIR survey which identified a minor leak at the control valve on a separator; and
- FIR #674102937 was issued with overall inspection status of "action required", with required action to fix the leak identified in the FLIR video.



Ms. Orms

March 4, 2016

Page 2

At this time the COGCC has determined that no violations occurred related to your complaint. Accordingly, the COGCC has closed the complaint and will not issue a notice of alleged violation (NOAV) related to this complaint.

If you have questions relating to the investigation or the complaint, please contact me.

Sincerely,



Megan Adamczyk

COGCC Complaint Specialist

303-894-2100 x5145

dnr_cogcc.complaints@state.co.us

Inspector Name: LEONARD, MIKE

FORM
INSPRev
05/11State of Colorado
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

02/24/2016

Document Number:

678800036

Overall Inspection:

SATISFACTORY w/ CMT
or AR

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection <input type="checkbox"/>
	444948	444947	LEONARD, MIKE	2A Doc Num: _____

Operator Information:

OGCC Operator Number: 10311

Name of Operator: SYNERGY RESOURCES CORPORATION

Address: 20203 HIGHWAY 60

City: 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
Pennington, Dave		dpennington@syrginfo.com	Synergy Inspection

Compliance Summary:

QtrQtr: _____ Sec: _____ Twp: _____ Range: _____

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
444948	TANK BATTERY	AC	02/24/2016		-	North Quebec 1,12,16-8 Tank Battery	AO	<input checked="" type="checkbox"/>

Equipment:

Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: _____	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

Lease Road:

Type	Satisfactory/Action Required	comment	Corrective Action	Date

Signs/Marker:

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

Emergency Contact Number (S/AR): SATISFACTORY

Corrective Date: _____

Inspector Name: LEONARD, MIKE

Comment:				
Corrective Action:				

Good Housekeeping:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multiple Spills and Releases?

Fencing/:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK BATTERY	SATISFACTORY			

Equipment:				
Type: Emission Control Device	# 1	Satisfactory/Action Required: SATISFACTORY		
Comment				
Corrective Action				Date:
Type: Horizontal Heated Separator	# 1	Satisfactory/Action Required: SATISFACTORY		
Comment		No observed odors at time of inspection		
Corrective Action				Date:
Type: Gas Meter Run	# 2	Satisfactory/Action Required: SATISFACTORY		
Comment				
Corrective Action				Date:

Facilities:				
<input type="checkbox"/> New Tank		Tank ID: _____		
Contents	#	Capacity	Type	SE GPS
CRUDE OIL	1	300 BBLS		
S/AR SATISFACTORY		Comment: _____		
Corrective Action:				Corrective Date: _____

Paint				
Condition				
Other (Content) _____				
Other (Capacity) _____				
Other (Type) _____				

Berms				
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate
Corrective Action				Corrective Date
Comment				

Facilities:				
<input type="checkbox"/> New Tank		Tank ID: _____		
Contents	#	Capacity	Type	SE GPS

Inspector Name: LEONARD, MIKE

PRODUCED WATER	1					
S/AR		Comment:				
Corrective Action:					Corrective Date:	
<u>Paint</u>						
Condition						
Other (Content)						
Other (Capacity)						
Other (Type)						
<u>Berms</u>						
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance		
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate		
Corrective Action					Corrective Date	
Comment						
<u>Venting:</u>						
Yes/No	NO					
Comment						
<u>Flaring:</u>						
Type		Satisfactory/Action Required				
Comment:						
Corrective Action:					Correct Action Date:	

Predrill

Location ID: 444948

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/AR: _____

Corrective Action: _____

Date: _____

CDP Num.: _____

Form 2A COAs:

S/AR: _____ Comment: _____

CA: _____

Date: _____

Wildlife BMPs:

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:

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: 444948

Type: TANK

API Number: -

Status: AC

Insp. Status: AO

Complaint

Comment: Inspection performed in response to odor/emissions complaint document # 200439076. At 1500 hrs observed no odors on site. No audible evidence of leaks from separator. Optical Gas Imaging camera unavailable at time of inspection. Follow up inspection to be made with camera.

Environmental**Spills/Releases:**

Type of Spill: _____

Description: _____

Estimated Spill Volume: _____

Comment: _____

Corrective Action: _____

Date: _____

Reportable: _____

GPS: Lat _____

Long _____

Inspector Name: LEONARD, MIKE

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: _____	
Comment: _____	
1003a. Waste and Debris removed? _____	
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 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	
<u>Cropland</u>	
Top soil replaced _____	Recontoured _____ Perennial forage re-established _____
<u>Non-Cropland</u>	
Top soil replaced _____	Recontoured _____ 80% Revegetation _____
1003 f. Weeds Noxious weeds? _____	

Inspector Name: LEONARD, MIKE

Comment: _____

Overall Interim Reclamation _____

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____

Date Final Reclamation Completed: _____

Final Land Use: _____

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
Compaction	Pass	Compaction	Pass			
Gravel	Pass	Gravel	Pass			

S/A/V: SATISFACTOR

Corrective Date: _____

Y

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT

Inspector Name: Rickard, Jeff

FORM
INSPRev
05/11State of Colorado
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

02/25/2016

Document Number:

674102937

Overall Inspection:

ACTION REQUIRED

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection <input type="checkbox"/>
	444948	444947	Rickard, Jeff	2A Doc Num: _____

Operator Information:

OGCC Operator Number: 10311

Name of Operator: SYNERGY RESOURCES CORPORATION

Address: 20203 HIGHWAY 60

City: 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	970-737-1093	craigasmuson@comcast.net	Production supervisor
Pennington, Dave		dpennington@syrginfo.com	Synergy Inspection
Leonard, Mike		mike.leonard@state.co.us	

Compliance Summary:

QtrQtr: _____		Sec: _____		Twp: _____		Range: _____	
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
02/24/2016	678800036	AC	AO	SC			No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
444948	TANK BATTERY	AC	02/24/2016		-	North Quebec 1,12,16-8 Tank Battery	PR	X

Equipment:

Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: _____	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Motors: _____	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

Lease Road:

Type	Satisfactory/Action Required	comment	Corrective Action	Date

Inspector Name: Rickard, Jeff

Signs/Marker:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Emergency Contact Number (S/AR): _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Spills:

Type	Area	Volume	Corrective action	CA Date
------	------	--------	-------------------	---------

☐ Multiple Spills and Releases?

Fencing/:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
SEPARATOR	ACTION REQUIRED	Very minor leak observed on stem of motor valve on seperator. See attached photo and FLIR video for location.	Fix leak.	03/17/2016

Equipment:

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

Venting:

Yes/No	
Comment	

Flaring:

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

Predrill

Location ID: 444948

Site Preparation:

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/AR: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

S/AR: _____ Comment: _____

CA: _____ Date: _____

Wildlife BMPs:

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:

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: 444948 Type: TANK API Number: - Status: AC Insp. Status: PR

Producing Well

Comment: PR

Complaint

Comment: Complaint DOC# 200439076. Complaint received about leak/odor from the battery site. OGCC inspector observed very minor leak observed on stem of motor valve. Corrective action to fix teh leak.

Environmental**Spills/Releases:**

Type of Spill: _____ Description: _____ Estimated Spill Volume: _____

Comment: _____

Inspector Name: Rickard, Jeff

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: _____ Wildlife Protection Devices (fired vessels): _____

Reclamation - Storm Water - Pit

Interim Reclamation:

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____
Land Use: _____
Comment: _____

1003a. Waste and Debris removed? _____
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 marked? _____
CM _____
CA _____ CA Date _____

1003b. Area no longer in use? Pass Production areas stabilized? Pass

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

Inspector Name: Rickard, Jeff

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: _____

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
Gravel	Pass					

S/A/V: SATISFACTOR

Corrective Date: _____

Y

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
674102938	Photo of stem leak	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3793766
674102939	FLIR video of leak.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3793767