

**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

DE ET OE ES

Inspection Date:
08/27/2015Document Number:
680700483Overall Inspection:
SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	438755	438758	Peterson, Tom	<input type="checkbox"/>	

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, David		dpennington@syrinfo.com	All inspections

Compliance Summary:QtrQtr: SESW Sec: 17 Twp: 4N Range: 67W**Inspector Comment:**See Facility-Drilling**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
438755	WELL	DG	08/16/2015		123-40110	SRC Wind M-17N-A	DG	<input checked="" type="checkbox"/>
438756	WELL	DG	08/16/2015		123-40111	SRC Wind E-17N-C	DG	<input type="checkbox"/>
438757	WELL	DG	08/16/2015		123-40112	SRC Wind 21-17C	DG	<input type="checkbox"/>
438759	WELL	DG	08/16/2015		123-40113	SRC Wind A-17N-C	DG	<input type="checkbox"/>
438760	WELL	DG	08/16/2015		123-40114	SRC Wind A-17N-A	DG	<input type="checkbox"/>
438761	WELL	DG	08/16/2015		123-40115	SRC Wind 21-17N-C	DG	<input type="checkbox"/>
438762	WELL	DG	08/16/2015		123-40116	SRC Wind 11-17C	DG	<input type="checkbox"/>
439255	WELL	DG	08/16/2015		123-40372	SRC Wind 11-17N-C	DG	<input type="checkbox"/>

Equipment:Location Inventory

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

Location

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Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
DRILLING/RECOMP	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY Corrective Date: _____

Comment: _____

Corrective Action: _____

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

Venting:		
Yes/No	Comment	

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 438755

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
Final Reclamation	Identification of plugged and abandoned wells. P&A'd wells shall be identified pursuant to 319.a. (5).
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 is applicable.
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	Synergy will build a tertiary containment on the north edge of the access road with an 18"-24" earthen berm to provide additional protection of the downgradient surface water.
Drilling/Completion Operations	Closed Loop Drilling Systems – Pit Restrictions. Not applicable; a closed-loop system will be used for drilling.
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.
Material Handling and Spill Prevention	Load-lines. All load-lines shall be bull-plugged or capped.

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Drilling/Completion Operations	Drill stem tests. Not applicable; no Drill Stem tests are planned.
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.
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 flow-back 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 flow-back 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	Pit level indicators. Not applicable; a closed-loop system will be used and no pits shall be dug.
Drilling/Completion Operations	Guy line anchors. All guy line anchors shall be brightly marked pursuant to Rule 604.c (2)Q.
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	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.
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.
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.
Planning	Open hole resistivity log with gamma ray will be run on one of the first wells drilled on this pad to describe the stratigraphy of the vertical section of the wellbore and to adequately verify the setting depth of the surface casing and aquifer coverage. The Drilling Completion Report-Form 5 for every well on the pad shall identify which well was logged.
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.

S/AV: _____ **Comment:** _____

CA: _____ **Date:** _____

Stormwater:

Comment: _____

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____ Address: _____

Inspector Name: Peterson, Tom

Phone Number: _____	Cell Phone: _____	
<u>Operator Rep. Contact Information:</u>		
Landman Name: _____	Phone Number: _____	
Date Onsite Request Received: _____	Date of Rule 306 Consultation: _____	
Request LGD Attendance: _____		
<u>LGD Contact Information:</u>		
Name: _____	Phone Number: _____	Agreed to Attend: _____
<u>Summary of Landowner Issues:</u>		
<u>Summary of Operator Response to Landowner Issues:</u>		
<u>Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:</u>		

Facility

Facility ID: 438755 Type: WELL API Number: 123-40110 Status: DG Insp. Status: DG

Well Drilling

Rig: Rig Name: Ensign 131 Pusher/Rig Manager: _____
Permit Posted: SATISFACTORY Access Sign: SATISFACTORY

Well Control Equipment:

Pipe Ram: _____ Blind Ram: _____ Hydril Type: _____
Pressure Test BOP: _____ Test Pressure PSI: _____ Safety Plan: _____

Drill Fluids

Management:

Lined Pit: _____ Unlined Pit: _____ Closed Loop: YES Semi-Closed Loop: _____
Multi-Well: YES Disposal Location: _____

Comment:

Inspector conducted a walk around location with a Synergy representative. Inspector requested the following improvements be implemented: install cover on trash container next to rig, place containment under chemical pallets at mud tanks, cover chemical pallets at mud tanks for protection from elements and airborne mitigation. Remainder of location is very satisfactory. Crew is currently in process of RIH with drill assembly.

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: _____

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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: 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? _____

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: DRY LAND

Reminder: _____

Comment: _____

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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 <input type="checkbox"/>	Multi-Well Location <input type="checkbox"/>

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Pass	Berms	Pass			
Gravel	Pass	Gravel	Pass	SI	Pass	
Slope Roughening	Pass					
Waddles	Pass					
Silt Fences	Pass					
Ditches	Pass	Ditches	Pass			

S/A/V: SATISFACTOR
Y _____ Corrective Date: _____

Comment: Silt fences are beginning to sag in various areas and need to be restretched. Minor erosion was observed on SW corner of location that may require future maintainence.

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT