

**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:

06/28/2016

Document Number:

666802308

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	426401	426397	Murray, Richard	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10531Name of Operator: VANGUARD OPERATING LLCAddress: 5847 SAN FELIPE #3000City: HOUSTON State: TX Zip: 77057

- ☐ 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
Axelson, Aaron	970-230-0926	aaxelson@vnrlc.com	Sr. Production Foreman
Ghan, Scott		sghan@vnrlc.com	Sr. EH&S

**Compliance Summary:**QtrQtr: NENW Sec: 25 Twp: 6S Range: 92W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
11/04/2014	666800251	PR	PR	SATISFACTORY			No
02/28/2013	670200242	DG	PR	SATISFACTORY			No

**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
426385	WELL	PR	07/12/2012	GW	045-21136	Kaufman 11A-25-692	PR	<input checked="" type="checkbox"/>
426386	WELL	PR	08/07/2012	GW	045-21137	Kaufman 31C-25-692	PR	<input checked="" type="checkbox"/>
426387	WELL	PR	07/24/2012	GW	045-21138	Kaufman 11D-25-692	PR	<input checked="" type="checkbox"/>
426388	WELL	PR	06/19/2012	GW	045-21139	Kaufman 31B-25-692	PR	<input checked="" type="checkbox"/>
426389	WELL	PR	06/20/2012	GW	045-21140	Kaufman 32C-25-692	PR	<input checked="" type="checkbox"/>
426390	WELL	PR	08/07/2012	GW	045-21141	Kaufman 21B-25-692	PR	<input checked="" type="checkbox"/>
426391	WELL	PR	06/19/2012	GW	045-21142	Kaufman 21A-25-692	PR	<input checked="" type="checkbox"/>
426392	WELL	PR	07/12/2012	GW	045-21143	Kaufman 12D-25-692	PR	<input checked="" type="checkbox"/>
426393	WELL	PR	07/12/2012	GW	045-21144	Kaufman 11B-25-692	PR	<input checked="" type="checkbox"/>

Inspector Name: Murray, Richard

426394	WELL	PR	06/20/2012	GW	045-21145	Kaufman 32D-25-692	PR	<input checked="" type="checkbox"/>
426395	WELL	PR	07/24/2012	GW	045-21146	Kaufman 11C-25-692	PR	<input checked="" type="checkbox"/>
426396	WELL	PR	08/07/2012	GW	045-21147	Kaufman 21C-25-692	PR	<input checked="" type="checkbox"/>
426398	WELL	PR	06/19/2012	GW	045-21148	Kaufman 31A-25-692	PR	<input checked="" type="checkbox"/>
426399	WELL	PR	08/07/2012	GW	045-21149	Kaufman 31D-25-692	PR	<input checked="" type="checkbox"/>
426400	WELL	PR	07/24/2012	GW	045-21150	Kaufman 21D-25-692	PR	<input checked="" type="checkbox"/>
426401	WELL	PR	06/20/2012	GW	045-21151	Kaufman 22D-25-692	PR	<input checked="" type="checkbox"/>

**Equipment:**

Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>16</u>	Production Pits: _____
Condensate Tanks: <u>6</u>	Water Tanks: <u>4</u>	Separators: _____	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: <u>2</u>
Gas Compressors: _____	VOC Combustor: <u>1</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: <u>1</u>	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: \_\_\_\_\_

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

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

**Good Housekeeping:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Spills:**

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

**Fencing/:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

<b>Equipment:</b>			
Type: Pig Station	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action		Date:	
Type: Ancillary equipment	# 4	Satisfactory/Action Required:	SATISFACTORY
Comment		Chemical units at wellhead	
Corrective Action		Date:	
Type: Dehydrator	# 0	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action		Date:	
Type: Plunger Lift	# 16	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action		Date:	
Type: Gas Meter Run	# 0	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action		Date:	
Type: Horizontal Heated Separator	# 16	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action		Date:	

<b>Facilities:</b>		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
CONDENSATE	6	500 BBLS	STEEL AST	39.501560,-107.619000
S/AR	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	YES
Comment	Bradenhead valves open

<b>Flaring:</b>	
Type	Satisfactory/Action Required

Comment:			
Corrective Action:		Correct Action Date:	

**Predrill**

Location ID: 426401

Lease Road Adeq.: \_\_\_\_\_

Pads: \_\_\_\_\_

Soil Stockpile: \_\_\_\_\_

**S/AR:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:****S/AR:** \_\_\_\_\_ **Comment:** \_\_\_\_\_**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Wildlife BMPs:**

BMP Type	Comment
Wildlife	<p>BBC WILDLIFE BEST MANAGEMENT PRACTICES</p> <p>GENERAL WILDLIFE AND ENVIRONMENTAL PROTECTION MEASURES</p> <ul style="list-style-type: none"> <li>• Establish policies to protect wildlife (e.g., no poaching, no firearms, no dogs on location, no feeding of wildlife, etc.)</li> <li>• Promptly report spills that affect wildlife to the Water Quality Control Division of CDPHE and CDOW</li> <li>• Avoid location staging, refueling, and storage areas within 300 feet, of any reservoir, lake, wetland, or natural perennial or seasonal flowing stream or river.</li> </ul> <p>INFRASTRUCTURE LAYOUT WILDLIFE PROTECTION MEASURES</p> <ul style="list-style-type: none"> <li>• Implementing fugitive dust control measures</li> <li>• Limit parking to disturbed areas as much as possible</li> </ul> <p>DRILLING AND PRODUCTION OPERATION WILDLIFE PROTECTION MEASURES</p> <ul style="list-style-type: none"> <li>• Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multifunction contractors, where practicable.</li> <li>• Install exclusionary device to prevent bird and other wildlife access to equipment stacks, vents and openings.</li> <li>• Establish company guidelines to minimize wildlife mortality from vehicle collision on roads.</li> </ul> <p>FLUID PIT/POND WILDLIFE PROTECTION MEASURES</p> <ul style="list-style-type: none"> <li>• Install and maintain adequate measures to exclude all types of wildlife (e.g., big game and birds) from all fluid pits/ponds with fencing, flagging and other appropriate exclusion measures). BBC currently installs 6' wildlife proof fences on all pits and freshwater ponds with free liquids. In addition, BBC will install bird netting over "inactive" pits with free liquids after 30 days of inactivity.</li> </ul> <p>INVASIVE/NON-NATIVE VEGETATION CONTROL</p> <ul style="list-style-type: none"> <li>• Educate employees and contractors about noxious and invasive weed issues.</li> </ul> <p>RESTORATION, RECLAMATION AND ABANDONMENT</p> <ul style="list-style-type: none"> <li>• Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restorations.</li> <li>• Revegetate with seed mixtures that are of the surface owner's preference that are compatible with both livestock and wildlife.</li> </ul>

Drilling/Completion  
Operations

BBC GENERAL PRACTICES

NOTIFICATIONS

- Proper notifications required by COGCC regulations or policy memos will be adhered to

TRENCHES/PITS/TEMPORARY FRAC TANKS

- Unlined pits will not be constructed on fill material.
- Drill cuttings from the wellbore will be directed into a lined and bermed surface containments. Any free liquids accumulated in the containment would be removed as soon as practicable.
- Drilling pits utilized for completion operations will be permitted (if applicable) and lined, operated in accordance with COGCC regulations, specifically Rule 903 and Rule 904. All permitted pits (Form 15) will be closed per Rule 905 and non-permitted drilling pits would be closed in accordance with Rule 1003.
- Drilling pits used for completion will be fenced with appropriate wildlife mesh on the bottom portion. Appropriate netting will be installed within 30 days of the pit becoming inactive.
- Flowback and stimulation fluids from the wells being completed will be sent to tanks and/or filters to allow the sand to settle out before the fluids are placed into the pit for reuse or disposal at a BBC SWD facility.
- All flowback water will be confined to the lined completion pit or storage tanks for a period not to exceed ninety days and will be recycled for re-use, piped or trucked offsite to one of the approved disposal facilities below. Flowback sands stored on location will be remediated and buried on location or hauled to a state approved disposal facility.
  - o Circle B Land 33A-35-692SWD, API# 05-045-18493, UIC# 159277
  - o GGU Rodreick #21B-31-691 SWD, API# 05-045-13803, UIC# 159176
  - o Specialty #13A-28-692 SWD, API# 05-045-14054, UIC# 159212
  - o Scott 41D-36-692 SWD, API# 05-045-11169, UIC# 159159
- Temporary frac tanks installed on location will have proper secondary containment according to SPCC regulations such as either putting a perimeter berm around location or around the frac tanks.

Storm Water/Erosion Control	<p><b>BBC STORM WATER AND SPILL CONTROL PRACTICES</b></p> <p><b>GENERAL</b></p> <ul style="list-style-type: none"> <li>• Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, impoundments, or well pads</li> <li>• Use drip pans, sumps, or liners where appropriate</li> <li>• Limit the amount of land disturbed during construction of pad, access road, and facilities</li> <li>• Employ spill response plan (SPCC) for all facilities</li> <li>• Dispose properly offsite any wastes fluids and other materials</li> </ul> <p><b>MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION</b></p> <ul style="list-style-type: none"> <li>• Secondary containment of tanks, drums, and storage areas is mandatory to prohibit discharges to surface waters. A minimum of 110% capacity required of largest storage tank within a containment area</li> <li>• Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters</li> <li>• Proper loading, and transportation procedures to be followed for all materials to and from locations</li> </ul> <p><b>EROSION CONTROL</b></p> <ul style="list-style-type: none"> <li>• Pad and access road to be designed to minimize erosion</li> <li>• Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion</li> <li>• Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion</li> </ul> <p><b>SELF INSPECTION, MAINTENANCE, AND HOUSEKEEPING</b></p> <ul style="list-style-type: none"> <li>• All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing annually</li> <li>• Conduct internal storm water inspections per applicable stormwater regulations</li> <li>• Conduct routine informal inspections of all tanks and storage facilities at least weekly</li> <li>• All containment areas are to be inspected weekly or following a heavy rain event.</li> <li>• Any excessive precipitation accumulation within containment should be removed as appropriate and disposed of properly</li> <li>• All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly</li> </ul> <p><b>SPILL RESPONSE</b></p> <ul style="list-style-type: none"> <li>• Spill response procedures as per the BBC field SPCC Plan</li> </ul> <p><b>VEHICLE &amp; LOCATION PROCEDURES</b></p> <ul style="list-style-type: none"> <li>• Vehicles entering location are to be free of chemical, oil, mud, weeds, trash, and debris</li> <li>• Location to be treated to kill weeds and bladed when necessary</li> </ul> <p>Bill Barrett Corp. – CDPHE Stormwater Permit Number: COR-039752</p>
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**S/AR:** SATISFACTORY **Comment:** BMPs in place

**CA:**  **Date:**

**Comment:**

**Staking:**

**On Site Inspection (305):**

Surface Owner Contact Information:

Name:  Address:

Phone Number:  Cell Phone:

Operator Rep. Contact Information:

Inspector Name: Murray, Richard

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: 426385	Type: WELL	API Number: 045-21136	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426386	Type: WELL	API Number: 045-21137	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426387	Type: WELL	API Number: 045-21138	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426388	Type: WELL	API Number: 045-21139	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426389	Type: WELL	API Number: 045-21140	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426390	Type: WELL	API Number: 045-21141	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426391	Type: WELL	API Number: 045-21142	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426392	Type: WELL	API Number: 045-21143	Status: PR	Insp. Status: PR
<b>Producing Well</b>				
Comment: <span style="color: red;">Plunger lift</span>				
Facility ID: 426393	Type: WELL	API Number: 045-21144	Status: PR	Insp. Status: PR

Inspector Name: Murray, Richard

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426394 Type: WELL API Number: 045-21145 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426395 Type: WELL API Number: 045-21146 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426396 Type: WELL API Number: 045-21147 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426398 Type: WELL API Number: 045-21148 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426399 Type: WELL API Number: 045-21149 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426400 Type: WELL API Number: 045-21150 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

Facility ID: 426401 Type: WELL API Number: 045-21151 Status: PR Insp. Status: PR

**Producing Well**

Comment: **Plunger lift**

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



Inspector Name: Murray, Richard

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: RANGELAND

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? 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: RANGELAND

Reminder:

Comment:

Inspector Name: Murray, Richard

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
		Culverts	Pass			
Seeding	Pass					
		Sediment Traps	Pass			
Rip Rap	Pass					
		Check Dams	Pass			
Gravel	Pass					
		Ditches	Pass			
Berms	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
666802308	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3889395">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3889395</a>