

**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:

06/20/2016

Document Number:

666802286

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	211382	334861	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:	SENE	Sec:	31	Twp:	6S	Range:	91W
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
09/01/2015	666801385	PR	PR	SATISFACTORY			No
11/12/2002	200035082	PR	PR	SATISFACTORY		Pass	No
04/15/1999	500143003	PR	PR				
09/14/1998	500143002	PR	PR			Pass	No
03/02/1998	500143001	PR	PR				

Inspector Comment:Surface casing set on 4 wells, No drilling rig on location, facilities on location ID 335276**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
211382	WELL	PR	05/20/2015	GW	045-07142	GIBSON GULCH UNIT 8 -31	PR	<input checked="" type="checkbox"/>
258927	WELL	PR	10/23/2012	GW	045-07669	GIBSON GULCH UNIT 7 -31	PR	<input checked="" type="checkbox"/>
425855	WELL	PR	09/01/2015	SI	045-21094	GGU MILLER 32B-31-691	DG	<input checked="" type="checkbox"/>
425856	WELL	PR	09/01/2015	SI	045-21095	GGU MILLER 32A-31-691	DG	<input checked="" type="checkbox"/>
425858	WELL	DG	10/16/2011	SI	045-21096	GGU MILLER 33D-31-691	DG	<input checked="" type="checkbox"/>
425859	WELL	PR	09/01/2015	SI	045-21097	GGU MILLER 32D-31-691	DG	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Inspector Name: Murray, Richard

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>6</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: <u>2</u>	Separators: <u>6</u>	Electric Motors: _____
Gas or Diesel Mortors: <u>1</u>	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: _____	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
WELLHEAD	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

☐ Multiple Spills and Releases?

Fencing/:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Equipment:

Type: Plunger Lift	# 2	Satisfactory/Action Required: SATISFACTORY
Comment		
Corrective Action		Date: _____

Venting:

Yes/No	NO
Comment	

Flaring:

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

Predrill

Location ID: 211382

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/AR: _____

Corrective Action: _____

Date: _____

CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	Initiated/Completed OGLA Form 2A review on 08-28-11 by Dave Kubeczko; passed by CPW on 09-30-11 with operator submitted BMPs acceptable; passed OGLA Form 2A review on 10-07-11 by Dave Kubeczko; no COAs, BMPs are sufficient.	08/29/2011

S/AR: SATISFACTORY**Comment:** _____**CA:** _____**Date:** _____**Wildlife BMPs:**

BMP Type	Comment
Storm Water/Erosion Control	<p data-bbox="358 128 1062 159">BBC STORM WATER AND SPILL CONTROL PRACTICES</p> <p data-bbox="358 191 488 218">GENERAL</p> <ul data-bbox="358 220 1471 396" style="list-style-type: none"> • Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, impoundments, or well pads • Use drip pans, sumps, or liners where appropriate • Limit the amount of land disturbed during construction of pad, access road, and facilities • Employ spill response plan (SPCC) for all facilities • Dispose properly offsite any wastes fluids and other materials <p data-bbox="358 428 1386 455">MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION</p> <ul data-bbox="358 457 1495 661" style="list-style-type: none"> • 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 • Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters • Proper loading, and transportation procedures to be followed for all materials to and from locations <p data-bbox="358 693 621 720">EROSION CONTROL</p> <ul data-bbox="358 751 1446 898" style="list-style-type: none"> • Pad and access road to be designed to minimize erosion • Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion • Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion. <p data-bbox="358 930 1295 957">EROSION CONTROL SPECIFIC TO PROTECT NEARBY IRRIGATION DITCH</p> <ul data-bbox="358 989 1365 1192" style="list-style-type: none"> • Seed and install erosion control blankets on all fill slopes. Erosion control blankets must be designed for installation and sediment on 1 1/2: 1 or steeper slopes; • Install a 3' compacted, earthen perimeter berm on the pad surface at the top of all fill slopes. This perimeter berm should tie into the cut slopes and provide 360° containment of the pad; and • install a diversion ditch and sediment basins at the toe of all fill slopes to collect any sediment and redirect stormwater away from the irrigation ditches. <p data-bbox="358 1224 1094 1251">SELF INSPECTION, MAINTENANCE, AND HOUSEKEEPING</p> <ul data-bbox="358 1283 1500 1549" style="list-style-type: none"> • All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing annually • Conduct internal storm water inspections per applicable stormwater regulations • Conduct routine informal inspections of all tanks and storage facilities at least weekly • All containment areas are to be inspected weekly or following a heavy rain event. • Any excessive precipitation accumulation within containment should be removed as appropriate and disposed of properly • All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly <p data-bbox="358 1581 589 1608">SPILL RESPONSE</p> <ul data-bbox="358 1640 1068 1667" style="list-style-type: none"> • Spill response procedures as per the BBC field SPCC Plan <p data-bbox="358 1698 837 1726">VEHICLE & LOCATION PROCEDURES</p> <ul data-bbox="358 1757 1398 1814" style="list-style-type: none"> • Vehicles entering location are to be free of chemical, oil, mud, weeds, trash, and debris • Location to be treated to kill weeds and bladed when necessary <p data-bbox="358 1877 1179 1904">Bill Barrett Corp. – CDPHE Stormwater Permit Number: COR-039752</p>

Drilling/Completion Operations	<p>BBC GENERAL PRACTICES</p> <p>NOTIFICATIONS</p> <ul style="list-style-type: none">• Proper notifications required by COGCC regulations or policy memos will be adhered to <p>TRENCHES/PITS/TEMPORARY FRAC TANKS</p> <ul style="list-style-type: none">• 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.<ul style="list-style-type: none">o Circle B Land 33A-35-692SWD, API# 05-045-18493, UIC# 159277o GGU Rodreick #21B-31-691 SWD, API# 05-045-13803, UIC# 159176o Specialty #13A-28-692 SWD, API# 05-045-14054, UIC# 159212o 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.
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Wildlife	<p>BBC WILDLIFE BEST MANAGEMENT PRACTICES</p> <p>GENERAL WILDLIFE AND ENVIRONMENTAL PROTECTION MEASURES</p> <ul style="list-style-type: none"> • Establish policies to protect wildlife (e.g., no poaching, no firearms, no dogs on location, no feeding of wildlife, etc.) • Promptly report spills that affect wildlife to the Water Quality Control Division of CDPHE and CDOW • Avoid location staging, refueling, and storage areas within 300 feet, of any reservoir, lake, wetland, or natural perennial or seasonal flowing stream or river. <p>INFRASTRUCTURE LAYOUT WILDLIFE PROTECTION MEASURES</p> <ul style="list-style-type: none"> • Implementing fugitive dust control measures • Limit parking to disturbed areas as much as possible <p>DRILLING AND PRODUCTION OPERATION WILDLIFE PROTECTION MEASURES</p> <ul style="list-style-type: none"> • Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multifunction contractors, where practicable. • Install exclusionary device to prevent bird and other wildlife access to equipment stacks, vents and openings. • Establish company guidelines to minimize wildlife mortality from vehicle collision on roads. <p>FLUID PIT/POND WILDLIFE PROTECTION MEASURES</p> <ul style="list-style-type: none"> • 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. <p>INVASIVE/NON-NATIVE VEGETATION CONTROL</p> <ul style="list-style-type: none"> • Educate employees and contractors about noxious and invasive weed issues. <p>RESTORATION, RECLAMATION AND ABANDONMENT</p> <ul style="list-style-type: none"> • Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restorations. • Revegetate with seed mixtures that are of the surface owner's preference that are compatible with both livestock and wildlife.
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S/AR: SATISFACTORY **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:

Inspector Name: Murray, Richard

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

Facility

Facility ID: 211382 Type: WELL API Number: 045-07142 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 258927 Type: WELL API Number: 045-07669 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 425855 Type: WELL API Number: 045-21094 Status: PR Insp. Status: DG

Well Drilling

Rig: Rig Name: _____ Pusher/Rig Manager: _____
Permit Posted: _____ Access Sign: _____

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: _____ Semi-Closed Loop: _____
Multi-Well: _____ Disposal Location: _____

Comment:

Surface casing set, No drilling rig location

Workover

Comment: production numbers are being posted

Facility ID: 425856 Type: WELL API Number: 045-21095 Status: PR Insp. Status: DG

Well Drilling

Rig: Rig Name: _____ Pusher/Rig Manager: _____
Permit Posted: _____ Access Sign: _____

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: _____ Semi-Closed Loop: _____
Multi-Well: _____ Disposal Location: _____

Comment:

Surface casing set, No drilling rig location

Workover

Comment: production numbers are being posted

Inspector Name: Murray, Richard

Facility ID: 425858 Type: WELL API Number: 045-21096 Status: DG Insp. Status: DG

Well Drilling

Rig: Rig Name: _____ Pusher/Rig Manager: _____
Permit Posted: _____ Access Sign: _____

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: _____ Semi-Closed Loop: _____
Multi-Well: _____ Disposal Location: _____

Comment:

Surface casing set, No drilling rig location

Workover

Comment: production numbers are being posted

Facility ID: 425859 Type: WELL API Number: 045-21097 Status: PR Insp. Status: DG

Well Drilling

Rig: Rig Name: _____ Pusher/Rig Manager: _____
Permit Posted: _____ Access Sign: _____

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: _____ Semi-Closed Loop: _____
Multi-Well: _____ Disposal Location: _____

Comment:

Surface casing set, No drilling rig location

Workover

Comment: production numbers are being posted

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): N

Comment: _____

Pilot: _____ Wildlife Protection Devices (fired vessels): _____

Reclamation - Storm Water - Pit

Interim Reclamation:

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: HAY MEADOW, IRRIGATED, OTHER

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: HAY MEADOW, IRRIGATED, OTHER

Reminder: _____

Inspector Name: Murray, Richard

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
		Culverts	Pass			
		Ditches	Pass			
Rip Rap	Pass					
		Gravel	Pass			
Gravel	Pass					
Berms	Pass					

S/A/V: SATISFACTOR
Y _____

Corrective Date: _____

Comment: _____

CA: _____

Pits: ☒ NO SURFACE INDICATION OF PIT