

**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:

08/09/2016

Document Number:

666802467

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	424395	424341	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
Ghan, Scott		sghan@vnrlc.com	Sr. EH&S
Axelsson, Aaron	970-230-0926	aaxelson@vnrlc.com	Sr. Production Foreman

Compliance Summary:QtrQtr: SESW Sec: 33 Twp: 6S Range: 91W**Inspector Comment:**No visual sign of wells, Drilling permits expire 3/14/2018**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
424356	WELL	XX	11/13/2015	LO	045-20890	FEDERAL 23A-33-691	XX	<input checked="" type="checkbox"/>
424357	WELL	XX	11/13/2015	LO	045-20891	FEDERAL 23D-33-691	XX	<input checked="" type="checkbox"/>
424359	WELL	XX	11/13/2015	LO	045-20893	FEDERAL 24A-33-691	XX	<input checked="" type="checkbox"/>
424360	WELL	XX	11/13/2015	LO	045-20894	FEDERAL 24B-33-691	XX	<input checked="" type="checkbox"/>
424362	WELL	XX	11/13/2015	LO	045-20896	FEDERAL 23C-33-691	XX	<input checked="" type="checkbox"/>
424363	WELL	XX	11/13/2015	LO	045-20897	FEDERAL 23B-33-691	XX	<input checked="" type="checkbox"/>
424365	WELL	XX	11/13/2015	LO	045-20899	FEDERAL 24C-33-691	XX	<input checked="" type="checkbox"/>
424369	WELL	XX	11/13/2015	LO	045-20902	FEDERAL 33C-33-691	XX	<input checked="" type="checkbox"/>
424371	WELL	XX	11/13/2015	LO	045-20903	FEDERAL 34C-33-691	XX	<input checked="" type="checkbox"/>
424374	WELL	XX	11/13/2015	LO	045-20904	FEDERAL 33D-33-691	XX	<input checked="" type="checkbox"/>
424377	WELL	XX	11/13/2015	LO	045-20905	FEDERAL 34D-33-691	XX	<input checked="" type="checkbox"/>

Inspector Name: Murray, Richard

424378	WELL	XX	11/13/2015	LO	045-20906	FEDERAL 34B-33-691	XX	✕
424392	WELL	XX	11/13/2015	LO	045-20908	FEDERAL 34A-33-691	XX	✕
424393	WELL	XX	11/13/2015	LO	045-20909	FEDERAL 33B-33-691	XX	✕
424394	WELL	XX	11/13/2015	LO	045-20910	FEDERAL 33A-33-691	XX	✕
424395	WELL	XX	11/13/2015	LO	045-20911	FEDERAL 24D-33-691	XX	✕

Equipment:Location Inventory

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

Location

Emergency Contact Number (S/AR): _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

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

Yes/No	_____
Comment	_____

Flaring:

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

PredrillLocation ID: 424395

Lease Road Adeq.: _____

Pads: _____

Soil Stockpile: _____

S/AR: _____

Corrective Action: _____

Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkd	Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines (if installed) and following any reconfiguration of the pipeline network.	07/16/2014

OGLA	kubeczkd	Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, pipeline testing, start of hydraulic stimulation operations, and start of flowback operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).	07/16/2014
OGLA	kubeczkd	<p>Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.</p> <p>The access road will be constructed and maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p> <p>Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.</p>	07/16/2014
OGLA	kubeczkd	<p>The moisture content of any cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.</p> <p>If the wells are to be hydraulically stimulated, flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or storage vessel located on the well pad; or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area constructed to be sufficiently impervious to contain any spilled or released material.</p>	07/16/2014

S/AR: SATISFACTORY**Comment:** No drilling at time of inspection**CA:****Date:****Wildlife BMPs:**

BMP Type	Comment
Drilling/Completion Operations	<p data-bbox="358 128 711 159">BBC GENERAL PRACTICES</p> <p data-bbox="358 218 568 249">NOTIFICATIONS</p> <ul data-bbox="358 249 1406 281" style="list-style-type: none"> • Proper notifications required by COGCC regulations or policy memos will be adhered to <p data-bbox="358 338 925 369">TRENCHES/PITS/TEMPORARY FRAC TANKS</p> <ul data-bbox="358 396 1511 1047" 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 containment. Any free liquids accumulated in the containment would be removed as soon as practicable. • Drilling pits utilized for completion operations will be permitted 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. • 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 data-bbox="358 842 1203 963" style="list-style-type: none"> 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>BBC STORM WATER AND SPILL CONTROL PRACTICES</p> <p>GENERAL</p> <ul 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>MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION</p> <ul 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>EROSION CONTROL</p> <ul 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>SELF INSPECTION, MAINTENANCE, AND HOUSEKEEPING</p> <ul 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>SPILL RESPONSE</p> <ul style="list-style-type: none">• Spill response procedures as per the BBC field SPCC Plan <p>VEHICLE & LOCATION PROCEDURES</p> <ul 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>Bill Barrett Corp. – CDPHE Stormwater Permit Number: COR-039752</p>
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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. • Bear proof dumpsters and trash receptacles for food-related trash at all facilities that generate such trash will be installed and utilized <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:	424356	Type:	WELL	API Number:	045-20890	Status:	XX	Insp. Status:	XX
Facility ID:	424357	Type:	WELL	API Number:	045-20891	Status:	XX	Insp. Status:	XX
Facility ID:	424359	Type:	WELL	API Number:	045-20893	Status:	XX	Insp. Status:	XX
Facility ID:	424360	Type:	WELL	API Number:	045-20894	Status:	XX	Insp. Status:	XX
Facility ID:	424362	Type:	WELL	API Number:	045-20896	Status:	XX	Insp. Status:	XX
Facility ID:	424363	Type:	WELL	API Number:	045-20897	Status:	XX	Insp. Status:	XX
Facility ID:	424365	Type:	WELL	API Number:	045-20899	Status:	XX	Insp. Status:	XX
Facility ID:	424369	Type:	WELL	API Number:	045-20902	Status:	XX	Insp. Status:	XX
Facility ID:	424371	Type:	WELL	API Number:	045-20903	Status:	XX	Insp. Status:	XX
Facility ID:	424374	Type:	WELL	API Number:	045-20904	Status:	XX	Insp. Status:	XX
Facility ID:	424377	Type:	WELL	API Number:	045-20905	Status:	XX	Insp. Status:	XX
Facility ID:	424378	Type:	WELL	API Number:	045-20906	Status:	XX	Insp. Status:	XX
Facility ID:	424392	Type:	WELL	API Number:	045-20908	Status:	XX	Insp. Status:	XX
Facility ID:	424393	Type:	WELL	API Number:	045-20909	Status:	XX	Insp. Status:	XX
Facility ID:	424394	Type:	WELL	API Number:	045-20910	Status:	XX	Insp. Status:	XX
Facility ID:	424395	Type:	WELL	API Number:	045-20911	Status:	XX	Insp. Status:	XX

Environmental

Spills/Releases:

Type of Spill: _____ Description: _____ Estimated Spill Volume: _____
Comment: _____
Corrective Action: _____ Date: _____
Reportable: _____ GPS: Lat _____ Long _____

Inspector Name: Murray, Richard

Proximity to Surface Water: _____

Depth to Ground Water: _____

Water Well:

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ Lat _____ Long _____

Field Parameters:

Sample Location: _____

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: RANGELAND

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

Cropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003 f. Weeds Noxious weeds? _____

Inspector Name: Murray, Richard

Comment:

Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started:

Date Final Reclamation Completed:

Final Land Use: RANGELAND

Reminder:

Comment:

Well plugged

Pit mouse/rat holes, cellars backfilled

Debris removed

No disturbance /Location never built Pass

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

S/A/V:

Corrective Date:

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
666802467	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3924029