

**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:
10/22/2015Document Number:
666801591Overall Inspection:
SATISFACTORY**FIELD INSPECTION FORM**

| | | | | | |
|---------------------|-------------|--------|-----------------|--------------------------|-------------|
| Location Identifier | Facility ID | Loc ID | Inspector Name: | On-Site Inspection | 2A Doc Num: |
| | 425888 | 425899 | 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:**Compliance Summary:**QtrQtr: SWNW Sec: 23 Twp: 6S Range: 92W**Inspector Comment:**Inspection is for wells with the status of Dry and Abandoned**Related Facilities:**

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status | |
|-------------|------|--------|-------------|------------|-----------|--------------------------|-------------|-------------------------------------|
| 425882 | WELL | PR | 08/28/2012 | GW | 045-21098 | Dixon Federal 42A-22-692 | PR | <input type="checkbox"/> |
| 425883 | WELL | PR | 08/28/2012 | GW | 045-21099 | Dixon Federal 42B-22-692 | PR | <input type="checkbox"/> |
| 425884 | WELL | PR | 09/26/2012 | GW | 045-21100 | Dixon Federal 41D-22-692 | PR | <input type="checkbox"/> |
| 425886 | WELL | PR | 08/28/2012 | GW | 045-21101 | Dixon Federal 42C-22-692 | PR | <input type="checkbox"/> |
| 425887 | WELL | DA | 03/29/2014 | SI | 045-21102 | Dixon Federal 12B-23-692 | DA | <input checked="" type="checkbox"/> |
| 425888 | WELL | PR | 08/28/2012 | GW | 045-21103 | Dixon Federal 12A-23-692 | PR | <input type="checkbox"/> |
| 425890 | WELL | PR | 09/24/2012 | GW | 045-21104 | Dixon Federal 11B-23-692 | PR | <input type="checkbox"/> |
| 425892 | WELL | PR | 09/17/2012 | GW | 045-21105 | Dixon Federal 42D-22-692 | PR | <input type="checkbox"/> |
| 425893 | WELL | DA | 03/29/2014 | SI | 045-21106 | Dixon Federal 12C-23-692 | DA | <input checked="" type="checkbox"/> |
| 425894 | WELL | PR | 10/09/2012 | GW | 045-21107 | Dixon Federal 11A-23-692 | PR | <input type="checkbox"/> |
| 425895 | WELL | PR | 09/17/2012 | GW | 045-21108 | Dixon Federal 41A-22-692 | PR | <input type="checkbox"/> |
| 425897 | WELL | PR | 09/17/2012 | GW | 045-21109 | Dixon Federal 41C-22-692 | PR | <input type="checkbox"/> |
| 425898 | WELL | PR | 12/03/2012 | GW | 045-21110 | Dixon Federal 11C-23-692 | PR | <input type="checkbox"/> |
| 425900 | WELL | PR | 10/28/2012 | GW | 045-21111 | Dixon Federal 41B-22-692 | PR | <input type="checkbox"/> |

Inspector Name: Murray, Richard

| | | | | | | | | |
|--------|------|----|------------|----|-----------|--------------------------|----|-------------------------------------|
| 425902 | WELL | PR | 09/24/2012 | GW | 045-21112 | Dixon Federal 11D-23-692 | PR | <input type="checkbox"/> |
| 425904 | WELL | DA | 03/29/2014 | SI | 045-21113 | Dixon Federal 12D-23-692 | DA | <input checked="" type="checkbox"/> |

Equipment:

Location Inventory

| | | | |
|------------------------------|---------------------------|-----------------------|--------------------------|
| Special Purpose Pits: _____ | Drilling Pits: <u>1</u> | Wells: <u>16</u> | Production Pits: _____ |
| Condensate Tanks: <u>6</u> | Water Tanks: <u>2</u> | Separators: <u>16</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>2</u> |
| Gas Compressors: <u>1</u> | VOC Combustor: <u>1</u> | Oil Tanks: _____ | Dehydrator Units: _____ |
| Multi-Well Pits: _____ | Pigging Station: <u>1</u> | Flare: _____ | Fuel Tanks: _____ |

Location

Emergency Contact Number (S/A/V): _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

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

☐ Multiple Spills and Releases?

Venting:

| Yes/No | Comment |
|--------|---------|
| | |

Flaring:

| Type | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
|------|------------------------------|---------|-------------------|---------|
| | | | | |

Predrill

Location ID: 425888

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/A/V: _____

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

Form 2A COAs:

| Group | User | Comment | Date |
|--------|---------|---|------------|
| Permit | edelenr | Removed plugging bond Changed distance to road to 4,290' Added Related Forms information to tab | 10/03/2011 |

S/A/V: _____ **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

| BMP Type | Comment |
|----------|---|
| Wildlife | <p data-bbox="358 132 980 159">BBC WILDLIFE BEST MANAGEMENT PRACTICES</p> <p data-bbox="358 191 1235 218">GENERAL WILDLIFE AND ENVIRONMENTAL PROTECTION MEASURES</p> <ul data-bbox="358 249 1455 428" 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 data-bbox="358 459 1192 487">INFRASTRUCTURE LAYOUT WILDLIFE PROTECTION MEASURES</p> <ul data-bbox="358 518 997 575" style="list-style-type: none"> • Implementing fugitive dust control measures • Limit parking to disturbed areas as much as possible <p data-bbox="358 606 1365 634">DRILLING AND PRODUCTION OPERATION WILDLIFE PROTECTION MEASURES</p> <ul data-bbox="358 665 1492 812" 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 data-bbox="358 844 1037 871">FLUID PIT/POND WILDLIFE PROTECTION MEASURES</p> <ul data-bbox="358 903 1507 1018" 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 data-bbox="358 1050 971 1077">INVASIVE/NON-NATIVE VEGETATION CONTROL</p> <ul data-bbox="358 1081 1289 1108" style="list-style-type: none"> • Educate employees and contractors about noxious and invasive weed issues. <p data-bbox="358 1140 1036 1167">RESTORATION, RECLAMATION AND ABANDONMENT</p> <ul data-bbox="358 1199 1474 1283" 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. |

| | |
|-----------------------------|---|
| 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> |
|-----------------------------|---|

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.

S/A/V: _____ Comment: _____

CA: _____ Date: _____

Stormwater:

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: <u>425887</u> | Type: <u>WELL</u> | API Number: <u>045-21102</u> | Status: <u>DA</u> | Insp. Status: <u>DA</u> |
| Facility ID: <u>425893</u> | Type: <u>WELL</u> | API Number: <u>045-21106</u> | Status: <u>DA</u> | Insp. Status: <u>DA</u> |
| Facility ID: <u>425904</u> | Type: <u>WELL</u> | API Number: <u>045-21113</u> | Status: <u>DA</u> | Insp. Status: <u>DA</u> |

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:

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: RANGELAND

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 _____

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- 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: _____

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: **No visual sign of wells**

Corrective Action: _____ Date _____

Overall Final Reclamation _____ Pass _____ 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 |
|------------------|-----------------|-------------------------|-----------------------|---------------|--------------------------|---------|
| | | | | | | |

S/A/V: _____ Corrective Date: _____

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT