

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



| | | | |
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| DE | ET | OE | ES |
|----|----|----|----|

Inspection Date:
07/23/2015

Document Number:
666801187

Overall Inspection:
SATISFACTORY

FIELD INSPECTION FORM

| | | | | | |
|---------------------|---------------|---------------|------------------------|--------------------------|-------------|
| Location Identifier | Facility ID | Loc ID | Inspector Name: | On-Site Inspection | 2A Doc Num: |
| | <u>415055</u> | <u>414522</u> | <u>Murray, Richard</u> | <input type="checkbox"/> | |

Operator Information:

| | |
|-----------------------|---|
| OGCC Operator Number: | <u>10531</u> |
| Name of Operator: | <u>VANGUARD OPERATING LLC</u> |
| Address: | <u>5847 SAN FELIPE #3000</u> |
| City: | <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77057</u> |

- 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: 20 Twp: 6S Range: 91W

Inspector Comment:

Related Facilities:

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status | |
|-------------|------|--------|-------------|------------|-----------|-----------------------|-------------|-------------------------------------|
| 415055 | WELL | PR | 12/09/2014 | GW | 045-18949 | JOLLEY 21A-20-691 | PR | <input checked="" type="checkbox"/> |
| 415056 | WELL | PR | 08/26/2010 | GW | 045-18950 | JOLLEY FED 11A-20-691 | PR | <input checked="" type="checkbox"/> |
| 415057 | WELL | PR | 10/05/2010 | GW | 045-18951 | JOLLEY FED 11C-20-691 | PR | <input checked="" type="checkbox"/> |
| 415064 | WELL | PR | 09/02/2010 | GW | 045-18952 | JOLLEY FED 22B-20-691 | PR | <input checked="" type="checkbox"/> |
| 415069 | WELL | PR | 08/14/2010 | GW | 045-18953 | JOLLEY FED 12D-20-691 | PR | <input checked="" type="checkbox"/> |
| 415072 | WELL | PR | 09/02/2010 | GW | 045-18954 | JOLLEY FED 12A-20-691 | PR | <input checked="" type="checkbox"/> |
| 415073 | WELL | PR | 09/02/2010 | GW | 045-18955 | JOLLEY FED 12B-20-691 | PR | <input checked="" type="checkbox"/> |
| 415075 | WELL | PR | 10/05/2010 | GW | 045-18956 | JOLLEY 21D-20-691 | PR | <input checked="" type="checkbox"/> |
| 415076 | WELL | PR | 10/05/2010 | GW | 045-18957 | JOLLEY FED 11D-20-691 | PR | <input checked="" type="checkbox"/> |
| 415084 | WELL | PR | 08/12/2010 | GW | 045-18958 | JOLLEY FED 12C-20-691 | TA | <input checked="" type="checkbox"/> |
| 415085 | WELL | PR | 08/14/2010 | GW | 045-18959 | JOLLEY FED 11B-20-691 | PR | <input checked="" type="checkbox"/> |

| | | | | | | | | |
|--------|------|----|------------|----|-----------|-----------------------|----|-------------------------------------|
| 415086 | WELL | PR | 07/21/2010 | GW | 045-18960 | JOLLEY 21B-20-691 | PR | <input checked="" type="checkbox"/> |
| 415087 | WELL | PR | 09/02/2010 | GW | 045-18961 | JOLLEY FED 22A-20-691 | PR | <input checked="" type="checkbox"/> |
| 415090 | WELL | PR | 10/05/2010 | GW | 045-18962 | JOLLEY 21C-20-691 | PR | <input checked="" type="checkbox"/> |
| 415091 | WELL | PR | 07/21/2010 | GW | 045-18963 | JOLLEY FED 22C-20-691 | PR | <input checked="" type="checkbox"/> |
| 415092 | WELL | PR | 08/27/2010 | GW | 045-18964 | JOLLEY FED 22D-20-691 | PR | <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>4</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: <u>1</u> | Water Pipeline: <u>1</u> |
| Gas Compressors: _____ | VOC Combustor: <u>2</u> | Oil Tanks: _____ | Dehydrator Units: _____ |
| Multi-Well Pits: _____ | Pigging Station: _____ | Flare: _____ | Fuel Tanks: _____ |

Location

Signs/Marker:

| Type | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
|------------|------------------------------|---------|-------------------|---------|
| BATTERY | SATISFACTORY | | | |
| CONTAINERS | SATISFACTORY | | | |

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

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

| Type | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
|-------|------------------------------|---|-------------------|---------|
| OTHER | SATISFACTORY | Workover rig and components on location | | |

Spills:

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

Multiple Spills and Releases?

Equipment:

| Type | # | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
|-----------------------------|----|------------------------------|----------------------------|-------------------|---------|
| Emission Control Device | 1 | SATISFACTORY | | | |
| Plunger Lift | 16 | SATISFACTORY | | | |
| Ancillary equipment | 5 | SATISFACTORY | Chemical units at wellhead | | |
| Dehydrator | 0 | SATISFACTORY | | | |
| Horizontal Heated Separator | 16 | SATISFACTORY | | | |

| | | | | |
|-------------|---|--------------|--|--|
| Pig Station | 1 | SATISFACTORY | | |
|-------------|---|--------------|--|--|

| | |
|-----------------|------------------------|
| Venting: | |
| Yes/No | Comment |
| YES | Bradenhead valves open |

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

Predrill

Location ID: 415055

Site Preparation:

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

S/AV: _____

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

Form 2A COAs:

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

CA: _____ **Date:** _____

Wildlife BMPs:

| BMP Type | Comment |
|---------------|--|
| PROPOSED BMPs | <p>STORM WATER BEST MANAGEMENT PRACTICES</p> <p>BILL BARRETT CORPORATION</p> <p>GENERAL BMPs</p> <ul style="list-style-type: none"> • Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, and impoundments. • 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 for all facilities. • Dispose properly offsite any wastes, fluids and other materials. <p>MATEIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER</p> <p>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 within containment area.</p> <p>Material handling and spill prevention procedures and practices will be followed to prohibit discharges to surface waters.</p> <p>Proper loading, unloading and transportation procedures to be followed for all materials to and from location.</p> <p>EROSION CONTROL</p> <p>Pad and access road to be designed to minimize erosion.</p> <p>Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion.</p> |

Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion.

SELF INSPECTION, MAINTANENCE, AND HOUSEKEEPING

- All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing at least once per year.
- Conduct internal storm water inspections at least semi - annually and within 24 hours of a heavy rain event.
- Conduct routine 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 and disposed of properly.

- All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly.
- Minimum of an annual storm water BMP inspection and outcome report document status, including repairs.

SPILL RESPONSE

- Follow spill response procedures.
- If spill occurs:
- Safely stop the source of the spill immediately.
- Contain the spill until clean -up is complete.
- Cover spill with appropriate absorbent material.
- Keep the area well ventilated.
- Dispose of clean -up materials properly.
- Do not use emulsifier or dispersant.

VEHICLE & LOCATION PROCEDURES

- 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.

Bill Barrett Corp — CDPHE Stormwater Permit Number: COR- 039752

S/A/V: SATISFACTORY

Comment: BMPs in place

CA:

Date:

Stormwater:

Comment: _____

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____

Address: _____

Phone Number: _____

Cell Phone: _____

Inspector Name: Murray, Richard

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: 415055 Type: WELL API Number: 045-18949 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415056 Type: WELL API Number: 045-18950 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415057 Type: WELL API Number: 045-18951 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415064 Type: WELL API Number: 045-18952 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415069 Type: WELL API Number: 045-18953 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415072 Type: WELL API Number: 045-18954 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415073 Type: WELL API Number: 045-18955 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415075 Type: WELL API Number: 045-18956 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 415076 Type: WELL API Number: 045-18957 Status: PR Insp. Status: PR

Producing Well

Comment: **Plunger lift**

Facility ID: 415084 Type: WELL API Number: 045-18958 Status: PR Insp. Status: TA

Workover

Comment: **Piceance Rig 66 on location to swap out tubing**

Facility ID: 415085 Type: WELL API Number: 045-18959 Status: PR Insp. Status: PR

Producing Well

Comment: **Plunger lift**

Facility ID: 415086 Type: WELL API Number: 045-18960 Status: PR Insp. Status: PR

Producing Well

Comment: **Plunger lift**

Facility ID: 415087 Type: WELL API Number: 045-18961 Status: PR Insp. Status: PR

Producing Well

Comment: **Plunger lift**

Facility ID: 415090 Type: WELL API Number: 045-18962 Status: PR Insp. Status: PR

Producing Well

Comment: **Plunger lift**

Facility ID: 415091 Type: WELL API Number: 045-18963 Status: PR Insp. Status: PR

Producing Well

Comment: **Plunger lift**

Facility ID: 415092 Type: WELL API Number: 045-18964 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: _____

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. Debris removed? Pass CM _____
CA _____ CA Date _____
- Waste Material Onsite? 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 removed? _____ CM _____
CA _____ CA Date _____
- Guy line anchors marked? Pass CM _____
CA _____ CA Date _____

1003b. Area no longer in use? Pass Production areas stabilized? Pass

1003c. Compacted areas have been cross ripped? Pass

1003d. Drilling pit closed? Pass 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: _____

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 |
|------------------|-----------------|-------------------------|-----------------------|---------------|--------------------------|---------|
| | | Check Dams | Pass | | | |
| | | Culverts | Pass | | | |
| Waddles | Pass | | | | | |
| | | Ditches | Pass | | | |
| Seeding | Pass | | | | | |
| | | Gravel | Pass | | | |
| Berms | Pass | | | | | |

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

Comment:

CA:

Pits: NO SURFACE INDICATION OF PIT