

**FORM  
INSP**Rev  
X/15**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:

06/13/2018

Submitted Date:

06/13/2018

Document Number:

689301279**FIELD INSPECTION FORM**

|                  |                                 |   |                   |
|------------------|---------------------------------|---|-------------------|
| Loc ID<br>416979 | Inspector Name:<br>Holtz, Darin | On-Site Inspection <input type="checkbox"/> | 2A Doc Num: _____ |
|------------------|---------------------------------|---|-------------------|

**Operator Information:**

OGCC Operator Number: 10531

Name of Operator: VANGUARD OPERATING LLC

Address: 5847 SAN FELIPE #3000

City: HOUSTON State: TX Zip: 77057

**Status Summary:**

☐ THIS IS A FOLLOW UP INSPECTION

☒ FOLLOW UP INSPECTION REQUIRED

☐ NO FOLLOW UP INSPECTION REQUIRED

**Findings:**

26 Number of Comments

2 Number of Corrective Actions

☒ Corrective Action Response Requested

**Contact Information:**

| Contact Name   | Phone        | Email                  | Comment                |
|----------------|--------------|------------------------|------------------------|
| Ghan, Scott    | 970-744-8128 | sgghan@vnrenergy.com   | SR. EH&S               |
| Aaron, Axelson | 230-0926     | aaxelson@vnrenergy.com | Sr. Production Foreman |

**Inspected Facilities:**

| Facility ID | Type | Status | Status Date | Well Class | API Num   | Facility Name             | Insp Status |
|-------------|------|--------|-------------|------------|-----------|---------------------------|-------------|
| 416984      | WELL | PR     | 03/22/2011  | GW         | 045-19420 | GGU MILLER FED 34B-32-691 | PR          |
| 416985      | WELL | PR     | 05/05/2011  | GW         | 045-19421 | GGU MILLER FED 33B-32-691 | PR          |
| 416987      | WELL | PR     | 03/22/2011  | GW         | 045-19422 | GGU MILLER FED 33A-32-691 | PR          |
| 416988      | WELL | PR     | 05/10/2011  | GW         | 045-19423 | GGU MILLER FED 33C-32-691 | PR          |
| 416989      | WELL | PR     | 05/10/2011  | GW         | 045-19424 | GGU MILLER 23B-32-691     | PR          |
| 416990      | WELL | PR     | 04/15/2011  | GW         | 045-19425 | GGU MILLER 24B-32-691     | PR          |
| 416991      | WELL | PR     | 04/15/2011  | GW         | 045-19426 | GGU MILLER 24A-32-691     | PR          |
| 416992      | WELL | PR     | 03/19/2015  | GW         | 045-19427 | GGU MILLER 24D-32-691     | PR          |
| 416993      | WELL | PR     | 03/23/2011  | GW         | 045-19428 | GGU MILLER FED 34C-32-691 | PR          |
| 416994      | WELL | PR     | 05/05/2011  | GW         | 045-19429 | GGU MILLER 24C-32-691     | PR          |
| 416995      | WELL | PR     | 05/05/2011  | GW         | 045-19430 | GGU MILLER 23C-32-691     | PR          |
| 416996      | WELL | PR     | 03/22/2011  | GW         | 045-19431 | GGU MILLER FED 34D-32-691 | PR          |
| 416997      | WELL | PR     | 03/22/2011  | GW         | 045-19432 | GGU MILLER FED 34A-32-691 | PR          |

**General Comment:**

Routine Field Inspection

### Location

|                    |        |       |  |
|--------------------|--------|-------|--|
| <b>Lease Road:</b> |        |       |  |
| Type               | Access |       |  |
| comment:           |        |       |  |
| Corrective Action  | L      | Date: |  |

Overall Good: ☒

|                      |   |       |            |
|----------------------|---|-------|------------|
| <b>Signs/Marker:</b> |   |       |            |
| Type                 | TANK LABELS/PLACARDS                            |       |            |
| Comment:             | Signs faded on tanks on south side, see photo's |       |            |
| Corrective Action:   | Install sign to comply with Rule 210.e.         | Date: | 08/13/2018 |

Emergency Contact Number:

Comment: 1-800-921-8252

Corrective Action:

Date:

**Good Housekeeping:**

|                    |        |       |  |
|--------------------|--------|-------|--|
| Type               | DEBRIS |       |  |
| Comment:           |        |       |  |
| Corrective Action: |        | Date: |  |
| Type               | TRASH  |       |  |
| Comment:           |        |       |  |
| Corrective Action: |        | Date: |  |
| Type               | WEEDS  |       |  |
| Comment:           |        |       |  |
| Corrective Action: |        | Date: |  |

Overall Good: ☒

|                |      |        |  |
|----------------|------|--------|--|
| <b>Spills:</b> |      |        |  |
| Type           | Area | Volume |  |

In Containment: No

Comment:

☐ Multiple Spills and Releases?

|                    |                   |       |  |
|--------------------|-------------------|-------|--|
| <b>Fencing/:</b>   |                   |       |  |
| Type               | TANK BATTERY      |       |  |
| Comment:           | Livestock gates   |       |  |
| Corrective Action: |                   | Date: |  |
| Type               | SEPARATOR         |       |  |
| Comment:           | Hog panel fencing |       |  |
| Corrective Action: |                   | Date: |  |
| Type               | WELLHEAD          |       |  |
| Comment:           | Livestock gates   |       |  |
| Corrective Action: |                   | Date: |  |

|                                   |   |  |                 |
|-----------------------------------|---|--|-----------------|
| <b>Equipment:</b>                 |   |  | corrective date |
| Type: Horizontal Heated Separator | # 13  |  |                 |
| Comment:                          |   |  |                 |
| Corrective Action:                |   |  | Date:           |
| Type: Flow Line                   | # 1   |  |                 |
| Comment:                          | Water flow line to pit  |  |                 |
| Corrective Action:                |   |  | Date:           |
| Type: Plunger Lift                | # 13  |  |                 |
| Comment:                          |   |  |                 |
| Corrective Action:                |   |  | Date:           |
| Type: Pig Station                 | # 1   |  |                 |
| Comment:                          |   |  |                 |
| Corrective Action:                |   |  | Date:           |
| Type: Bird Protectors             | # 13  |  |                 |
| Comment:                          |   |  |                 |
| Corrective Action:                |   |  | Date:           |
| Type: Ancillary equipment         | # 2   |  |                 |
| Comment:                          | 4 Chemical units at Wellheads<br>Chemical trailer in containment by the pit |  |                 |
| Corrective Action:                |   |  | Date:           |
| Type: Emission Control Device     | # 1   |  |                 |
| Comment:                          |   |  |                 |
| Corrective Action:                |   |  | Date:           |

**Tanks and Berms:**

| Contents           | #   | Capacity | Type  | Tank ID | SE GPS           |
|--------------------|---|----------|-------|---------|------------------|
| OTHER              | 2   | <50 BBLs | OTHER |         | ,                |
| Comment:           | 2 fuel 500 gallon fuel tanks used for refueling water transfer pumps<br>Sign or label not posted or information inaccurate on tanks or containers |          |       |         |                  |
| Corrective Action: | Install sign to comply with Rule 210.d.   |          |       |         | Date: 07/13/2018 |

**Paint**

|                  |          |
|------------------|----------|
| Condition        | Adequate |
| Other (Content)  |          |
| Other (Capacity) |          |
| Other (Type)     |          |

**Berms**

| Type               | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance |        |
|--------------------|----------|---------------------|---------------------|-------------|--------|
|                    |          |                     |                     |             |        |
| Comment:           |          |                     |                     |             |        |
| Corrective Action: |          |                     |                     | Date:       |        |
| Contents           | #        | Capacity            | Type                | Tank ID     | SE GPS |
|                    |          |                     |                     |             |        |

|                    |          |                     |                     |             |        |  |
|--------------------|----------|---------------------|---------------------|-------------|--------|--|
| CONDENSATE         | 2        | 500 BBLs            | STEEL AST           |             |        |  |
| Comment:           |          | Centralized Battery |                     |             |        |  |
| Corrective Action: |          |                     |                     |             | Date:  |  |
| <u>Paint</u>       |          |                     |                     |             |        |  |
| Condition          | Adequate |                     |                     |             |        |  |
| Other (Content)    |          |                     |                     |             |        |  |
| Other (Capacity)   |          |                     |                     |             |        |  |
| Other (Type)       |          |                     |                     |             |        |  |
| <u>Berms</u>       |          |                     |                     |             |        |  |
| Type               | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance |        |  |
|                    |          |                     |                     |             |        |  |
| Comment:           |          |                     |                     |             |        |  |
| Corrective Action: |          |                     |                     |             | Date:  |  |
| Contents           | #        | Capacity            | Type                | Tank ID     | SE GPS |  |
| CONDENSATE         | 6        | 500 BBLs            | HEATED STEEL AST    |             |        |  |
| Comment:           |          |                     |                     |             |        |  |
| Corrective Action: |          |                     |                     |             | Date:  |  |
| <u>Paint</u>       |          |                     |                     |             |        |  |
| Condition          | Adequate |                     |                     |             |        |  |
| Other (Content)    |          |                     |                     |             |        |  |
| Other (Capacity)   |          |                     |                     |             |        |  |
| Other (Type)       |          |                     |                     |             |        |  |
| <u>Berms</u>       |          |                     |                     |             |        |  |
| Type               | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance |        |  |
| Metal              | Adequate | Walls Sufficient    | Base Sufficient     | Adequate    |        |  |
| Comment:           |          |                     |                     |             |        |  |
| Corrective Action: |          |                     |                     |             | Date:  |  |
| <u>Venting:</u>    |          |                     |                     |             |        |  |
| Yes/No             | YES      |                     |                     |             |        |  |
| Comment:           |          | Bradenheads open    |                     |             |        |  |
| Corrective Action: |          |                     |                     |             | Date:  |  |
| <u>Flaring:</u>    |          |                     |                     |             |        |  |
| Type               |          |                     |                     |             |        |  |
| Comment:           |          |                     |                     |             |        |  |
| Corrective Action: |          |                     |                     |             | Date:  |  |

| Inspected Facilities  |                                |       |      |             |           |         |    |               |    |
|-----------------------|--------------------------------|-------|------|-------------|-----------|---------|----|---------------|----|
| Facility ID:          | 416984                         | Type: | WELL | API Number: | 045-19420 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416985                         | Type: | WELL | API Number: | 045-19421 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416987                         | Type: | WELL | API Number: | 045-19422 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416988                         | Type: | WELL | API Number: | 045-19423 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416989                         | Type: | WELL | API Number: | 045-19424 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416990                         | Type: | WELL | API Number: | 045-19425 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416991                         | Type: | WELL | API Number: | 045-19426 | Status: | PR | Insp. Status: | PR |
| <b>Producing Well</b> |                                |       |      |             |           |         |    |               |    |
| Comment:              | Well Producing on plunger lift |       |      |             |           |         |    |               |    |
| Corrective Action:    |                                |       |      |             |           | Date:   |    |               |    |
| Facility ID:          | 416992                         | Type: | WELL | API Number: | 045-19427 | Status: | PR | Insp. Status: | PR |

| <u>Producing Well</u> |                                |         |      |
|-----------------------|--------------------------------|---------|------|
| Comment:              | Well Producing on plunger lift |         |      |
| Corrective Action:    |                                | Date:   |      |
| Facility ID:          | 416993                         | Type:   | WELL |
| API Number:           | 045-19428                      | Status: | PR   |
| Insp. Status:         | PR                             |         |      |
| <u>Producing Well</u> |                                |         |      |
| Comment:              | Well Producing on plunger lift |         |      |
| Corrective Action:    |                                | Date:   |      |
| Facility ID:          | 416994                         | Type:   | WELL |
| API Number:           | 045-19429                      | Status: | PR   |
| Insp. Status:         | PR                             |         |      |
| <u>Producing Well</u> |                                |         |      |
| Comment:              | Well Producing on plunger lift |         |      |
| Corrective Action:    |                                | Date:   |      |
| Facility ID:          | 416995                         | Type:   | WELL |
| API Number:           | 045-19430                      | Status: | PR   |
| Insp. Status:         | PR                             |         |      |
| <u>Producing Well</u> |                                |         |      |
| Comment:              | Well Producing on plunger lift |         |      |
| Corrective Action:    |                                | Date:   |      |
| Facility ID:          | 416996                         | Type:   | WELL |
| API Number:           | 045-19431                      | Status: | PR   |
| Insp. Status:         | PR                             |         |      |
| <u>Producing Well</u> |                                |         |      |
| Comment:              | Well Producing on plunger lift |         |      |
| Corrective Action:    |                                | Date:   |      |
| Facility ID:          | 416997                         | Type:   | WELL |
| API Number:           | 045-19432                      | Status: | PR   |
| Insp. Status:         | PR                             |         |      |
| <u>Producing Well</u> |                                |         |      |
| Comment:              | Well Producing on plunger lift |         |      |
| Corrective Action:    |                                | Date:   |      |

| Environmental                      |  |
|------------------------------------|--|
| <b>Spill/Remediation:</b>          |  |
| Comment:                           |  |
| Corrective Action:                 | Date:  |
| Emission Control Burner (ECB): YES |  |
| 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: \_\_\_\_\_

**1002 SITE PREPARATION AND STABILIZATION**

1002a. FENCING \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

1002b. SOIL REMOVAL AND  
SEGREGATION \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

1002c. PROTECTION OF SOILS \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

1002E. SURFACE DISTURBANCE MINIMIZATION \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

1003a. Waste and Debris removed? \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

Unused or unneeded equipment onsite? \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? \_\_\_\_\_

Comment \_\_\_\_\_

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

Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

Comment \_\_\_\_\_

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

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 \_\_\_\_\_

## 1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_ Date \_\_\_\_\_

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 \_\_\_\_\_

## 1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

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 |
|------------------|-----------------|-------------------------|-----------------------|--|--------------------------|---------|
|                  |                 |                         |                       | Material Handling And Spill Prevention |                          |         |
| Ditches          |                 |                         |                       |  |                          |         |
|                  |                 | Compaction              |                       |  |                          |         |
| Slope Roughening |                 |                         |                       |  |                          |         |
| Berms            |                 |                         |                       |  |                          |         |
|                  |                 | Gravel                  |                       |  |                          |         |
| Culverts         |                 |                         |                       |  |                          |         |

Comment: Corrective Action: Date: 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   |
|--------------|---------------------------|---|
| 401672243    | INSPECTION SUBMITTED      | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4493496">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4493496</a> |
| 689301280    | Inspection Photo 68931280 | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4493490">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4493490</a> |