

**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:  
07/19/2016  
Document Number:  
673403431  
Overall Inspection:  
**ACTION REQUIRED**

**FIELD INSPECTION FORM**

|                     |             |        |                 |                          |             |
|---------------------|-------------|--------|-----------------|--------------------------|-------------|
| Location Identifier | Facility ID | Loc ID | Inspector Name: | On-Site Inspection       | 2A Doc Num: |
|                     | 426140      | 426135 | Waldron, Emily  | <input type="checkbox"/> |             |

**Operator Information:**

OGCC Operator Number: 10396  
 Name of Operator: SWN PRODUCTION COMPANY LLC  
 Address: PO BOX 12359  
 City: SPRING State: TX Zip: 77391

- 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                   |
|-------------------|--------------|------------------------------|---------------------------|
| Rowell, Cheryl    | 713-542-0648 | Cheryl_Rowell@swn.com        | Senior Regulatory Analyst |
| Ellsworth, Stuart |              | stuart.ellsworth@state.co.us |                           |

**Compliance Summary:**

QtrQtr: SWNE Sec: 10 Twp: 6N Range: 93W

**Inspector Comment:**

**Related Facilities:**

| Facility ID | Type | Status | Status Date | Well Class | API Num   | Facility Name         | Insp Status |                                     |
|-------------|------|--------|-------------|------------|-----------|-----------------------|-------------|-------------------------------------|
| 426140      | WELL | PR     | 04/08/2015  | OW         | 081-07692 | K-Diamond Ranch 32-10 | SI          | <input checked="" type="checkbox"/> |

**Equipment:**

Location Inventory

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

**Location**

**Lease Road:**

| Type   | Satisfactory/Action Required | comment                                                 | Corrective Action                                     | Date       |
|--------|------------------------------|---------------------------------------------------------|-------------------------------------------------------|------------|
| Access | <b>ACTION REQUIRED</b>       | Ruts in road. List C noxious and annual weeds on roads. | Maintain and repair access roads per Rule 604.c.(2)S. | 08/22/2016 |

| <b>Signs/Marker:</b> |                              |         |                   |         |
|----------------------|------------------------------|---------|-------------------|---------|
| Type                 | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
| BATTERY              | SATISFACTORY                 |         |                   |         |
| TANK LABELS/PLACARDS | SATISFACTORY                 |         |                   |         |
| WELLHEAD             | SATISFACTORY                 |         |                   |         |

Emergency Contact Number (S/AR): SATISFACTORY Corrective Date: \_\_\_\_\_

Comment: 1-877-879-0376

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

| <b>Good Housekeeping:</b> |                              |                           |                                                                                    |            |
|---------------------------|------------------------------|---------------------------|------------------------------------------------------------------------------------|------------|
| Type                      | Satisfactory/Action Required | Comment                   | Corrective Action                                                                  | CA Date    |
| WEEDS                     | SATISFACTORY                 | Annual weeds on location. | Comply with Rule 603.f using the Rule 603.f guidance document for further details. | 08/22/2016 |

| <b>Spills:</b>                                         |      |        |                   |         |
|--------------------------------------------------------|------|--------|-------------------|---------|
| Type                                                   | Area | Volume | Corrective action | CA Date |
| <input type="checkbox"/> Multiple Spills and Releases? |      |        |                   |         |

| <b>Fencing/:</b> |                              |         |                   |         |
|------------------|------------------------------|---------|-------------------|---------|
| Type             | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
|                  |                              |         |                   |         |

| <b>Equipment:</b>        |     |                                            |  |       |
|--------------------------|-----|--------------------------------------------|--|-------|
| Type: Pump Jack          | # 1 | Satisfactory/Action Required: SATISFACTORY |  |       |
| Comment                  |     |                                            |  |       |
| Corrective Action        |     |                                            |  | Date: |
| Type: Deadman # & Marked | #   | Satisfactory/Action Required: SATISFACTORY |  |       |
| Comment                  |     |                                            |  |       |
| Corrective Action        |     |                                            |  | Date: |

| <b>Facilities:</b>                |              |                |           |                       |
|-----------------------------------|--------------|----------------|-----------|-----------------------|
| <input type="checkbox"/> New Tank |              | Tank ID: _____ |           |                       |
| Contents                          | #            | Capacity       | Type      | SE GPS                |
| PRODUCED WATER                    | 1            | 400 BBLS       | STEEL AST | 40.486330,-107.815870 |
| S/AR                              | SATISFACTORY | Comment:       |           |                       |
| Corrective Action:                |              |                |           | Corrective Date:      |

**Paint**

|           |          |
|-----------|----------|
| Condition | Adequate |
|-----------|----------|

Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

| <b>Berms</b> |          |                     |                     |             |
|--------------|----------|---------------------|---------------------|-------------|
| Type         | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance |
|              |          |                     |                     |             |

Inspector Name: Waldron, Emily

|                   |          |  |  |          |                 |
|-------------------|----------|--|--|----------|-----------------|
| Metal             | Adequate |  |  | Adequate |                 |
| Corrective Action |          |  |  |          | Corrective Date |
| Comment           |          |  |  |          |                 |

**Facilities:**  New Tank Tank ID: \_\_\_\_\_

|                    |              |          |           |                  |
|--------------------|--------------|----------|-----------|------------------|
| Contents           | #            | Capacity | Type      | SE GPS           |
| CRUDE OIL          | 2            | 400 BBLS | STEEL AST | ,                |
| S/AR               | SATISFACTORY |          | Comment:  |                  |
| Corrective Action: |              |          |           | Corrective Date: |

**Paint**

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

**Berms**

|                   |          |                     |                     |                 |
|-------------------|----------|---------------------|---------------------|-----------------|
| Type              | Capacity | Permeability (Wall) | Permeability (Base) | Maintenance     |
| Metal             | Adequate |                     |                     | Adequate        |
| Corrective Action |          |                     |                     | Corrective Date |
| Comment           |          |                     |                     |                 |

**Venting:**

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

**Flaring:**

|                    |  |                              |
|--------------------|--|------------------------------|
| Type               |  | Satisfactory/Action Required |
| Comment:           |  |                              |
| Corrective Action: |  | Correct Action Date:         |

**Predrill**

Location ID: 426140

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/AR:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

| Group | User      | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date       |
|-------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| OGLA  | kubeczkod | <p><b>SITE SPECIFIC COAs:</b></p> <p>The drilling pit, if constructed, must be lined, or a closed loop system (which operator has indicated on the Form 2A) must be implemented during drilling. All cuttings generated during drilling with OBM/high chloride mud must be kept in the lined drilling pit, or placed either in containers or on a lined/bermed portion of the well pad; prior to analysis and/or offsite disposal.</p> <p>The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts.</p> <p>The access road will be constructed to prevent sediment migration from the access road to nearby surface water or any drainages leading to other nearby surface waters.</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface or buried pipelines.</p> <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 (i.e., best management practices (BMPs) associated with stormwater management) 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>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 pit 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 with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.</p> | 09/19/2011 |

**S/AR:** SATISFACTORY      **Comment:**

**CA:**       **Date:**

**Wildlife BMPs:**

| BMP Type | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wildlife | <p>Greater Sage-grouse</p> <ol style="list-style-type: none"> <li>1) Quicksilver will construct the pad and drill the well outside of the period between March 1 and May 15 – lekking season.</li> <li>2) Quicksilver will conduct post-development well site visitations to between the hours of 9:00 a.m. and 4:00 p.m. and reduce well site visitations between March 1 and July 30 – lekking and brood rearing period. Emergencies exempted.</li> <li>3) Quicksilver will construct and or drill any subsequent wells outside the period between March 1 and May 15.</li> <li>4) Quicksilver will use hospital grade mufflers for compressors, pump jacks or other motors necessary to run operations at the site. Mufflers will be pointed upward to dissipate potential vibration.</li> <li>5) Interim and final reclamation will match existing vegetation.</li> <li>6) Quicksilver will include a weed management plan and implement the plan as part of reclamation.</li> </ol> <p>Mule Deer, Elk, &amp; Pronghorn</p> <ol style="list-style-type: none"> <li>1) Where oil and gas activities must occur in mule deer critical winter range or elk winter concentration areas, conduct these activities outside the time period from December 1 through April 15.</li> <li>2) Restrict post-development well site visitations to between the hours of 9:00 a.m. and 3:00 p.m. and reduce well site visitations between December 1 and April 15 in mule deer and elk winter range.</li> <li>3) Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.</li> <li>4) Gate single-purpose roads and restrict general public access to reduce traffic disruptions to wildlife.</li> <li>5) Close and immediately reclaim all roads that are redundant, not used regularly, or have been abandoned to the maximum extent possible to minimize disturbance and habitat fragmentation.</li> <li>6) Avoid aggressive non-native grasses and shrubs in mule deer, elk, and pronghorn habitat restoration.</li> <li>7) Reclaim mule deer, elk, and pronghorn habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.</li> <li>8) Restore appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.</li> </ol> |

**S/IAR:** \_\_\_\_\_ **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:

\_\_\_\_\_

Summary of Operator Response to Landowner Issues:

\_\_\_\_\_

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

\_\_\_\_\_

| <b>Facility</b>                                                                                                                            |                   |                                                                               |                   |                         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------|-------------------|-------------------------|--|
| Facility ID: <u>426140</u>                                                                                                                 | Type: <u>WELL</u> | API Number: <u>081-07692</u>                                                  | Status: <u>PR</u> | Insp. Status: <u>SI</u> |  |
| <b>Idle Well</b>                                                                                                                           |                   |                                                                               |                   |                         |  |
| Purpose: <input checked="" type="checkbox"/> Shut In <input type="checkbox"/> Temporarily Abandoned    Reminder: <u>PRODUCTION RECORDS</u> |                   |                                                                               |                   |                         |  |
| S/A/V: <span style="border: 1px solid red; padding: 2px;">ACTION</span>                                                                    |                   | CA Date: <span style="border: 1px solid red; padding: 2px;">08/04/2016</span> |                   |                         |  |
| CA: <span style="border: 1px solid red; padding: 2px;">Contact COGCC Area Engineer.</span>                                                 |                   |                                                                               |                   |                         |  |
| Comment: <span style="border: 1px solid red; padding: 2px;">No production since January 2014.</span>                                       |                   |                                                                               |                   |                         |  |

| <b>Environmental</b> |
|----------------------|
|----------------------|

**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): \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

| <b>Reclamation - Storm Water - Pit</b> |
|----------------------------------------|
|----------------------------------------|

**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? \_\_\_\_\_

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: \_\_\_\_\_

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 |
|------------------|-----------------|-------------------------|-----------------------|---------------|--------------------------|---------|
|                  |                 |                         |                       |               |                          |         |

S/A/V: SATISFACTOR Corrective Date: \_\_\_\_\_  
 Y \_\_\_\_\_

Comment: Ruts in access road.

CA: \_\_\_\_\_

Inspector Name: Waldron, Emily

**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                                                                                                                                                                 |
|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 673403431    | INSPECTION APPROVED | <a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3909328">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3909328</a> |