

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:
09/08/2016
Document Number:
666802537
Overall Inspection:
SATISFACTORY

FIELD INSPECTION FORM

| | | | | | |
|---------------------|---------------|---------------|------------------------|--------------------------|-------------|
| Location Identifier | Facility ID | Loc ID | Inspector Name: | On-Site Inspection | 2A Doc Num: |
| | <u>269052</u> | <u>335460</u> | <u>Murray, Richard</u> | <input type="checkbox"/> | |

Operator Information:

OGCC Operator Number: 100185
 Name of Operator: ENCANA OIL & GAS (USA) INC
 Address: 370 17TH ST STE 1700
 City: DENVER State: CO Zip: 80202-

- 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 |
|------------------|-------|------------------------------|---------|
| Contact, General | | cogcc.inspections@encana.com | |

Compliance Summary:

QtrQtr: SWSE Sec: 22 Twp: 6S Range: 93W

| Insp. Date | Doc Num | Insp. Type | Insp Status | Satisfactory /Action Required | PA P/F/I | Pas/Fail (P/F) | Violation (Y/N) |
|------------|-----------|------------|-------------|-------------------------------|----------|----------------|-----------------|
| 09/16/2010 | 200268017 | PR | PR | ACTION REQUIRED | | | Yes |
| 02/13/2004 | 200052145 | PR | WO | SATISFACTORY | | Pass | No |

Inspector Comment:

Drilling permits expired 10/2015

Related Facilities:

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status | |
|-------------|------|--------|-------------|------------|-----------|-----------------------|-------------|-------------------------------------|
| 269052 | WELL | PR | 05/17/2004 | GW | 045-09315 | JEWELL 22-10 (O22) | PR | <input checked="" type="checkbox"/> |
| 269053 | WELL | PR | 07/09/2004 | GW | 045-09313 | JEWELL 22-9C (O22) | PR | <input checked="" type="checkbox"/> |
| 269112 | WELL | PR | 01/07/2008 | GW | 045-09319 | JEWELL 22-16C (O22) | PR | <input checked="" type="checkbox"/> |
| 269113 | WELL | PR | 01/07/2008 | GW | 045-09320 | JEWELL 22-16 (O22) | TA | <input checked="" type="checkbox"/> |
| 434901 | WELL | XX | 11/01/2013 | LO | 045-22196 | Petree 22-9DD (O22NW) | XX | <input checked="" type="checkbox"/> |
| 434902 | WELL | XX | 11/01/2013 | LO | 045-22197 | Petree 22-9A (O22NW) | XX | <input checked="" type="checkbox"/> |
| 434903 | WELL | XX | 11/01/2013 | LO | 045-22198 | Petree 22-2C (O22NW) | XX | <input checked="" type="checkbox"/> |
| 434904 | WELL | XX | 11/01/2013 | LO | 045-22199 | Petree 22-9B (O22NW) | XX | <input checked="" type="checkbox"/> |
| 434905 | WELL | XX | 11/01/2013 | LO | 045-22200 | Petree 22-15A (O22NW) | XX | <input checked="" type="checkbox"/> |

| | | | | | | | | |
|--------|------|----|------------|----|-----------|----------------------------------|----|---|
| 434906 | WELL | XX | 11/01/2013 | LO | 045-22201 | Petree 23-12B (O22NW) | XX | ✗ |
| 434907 | WELL | XX | 11/01/2013 | LO | 045-22202 | Petree 22-9D (O22NW) | XX | ✗ |
| 434908 | WELL | XX | 11/01/2013 | LO | 045-22203 | Petree 22-2D (O22NW) | XX | ✗ |
| 434909 | WELL | XX | 11/01/2013 | LO | 045-22204 | Petree Federal 22-11D (O22NW) | XX | ✗ |
| 434910 | WELL | XX | 11/01/2013 | LO | 045-22205 | Petree Federal 23-5B (O22NW) | XX | ✗ |
| 434911 | WELL | XX | 11/01/2013 | LO | 045-22206 | Petree Federal 23-13A (O22NW) | XX | ✗ |
| 434912 | WELL | XX | 11/01/2013 | LO | 045-22207 | Petree Federal 22-7A (O22NW) | XX | ✗ |
| 434913 | WELL | XX | 11/01/2013 | LO | 045-22208 | Petree Federal 26-4A (O22NW) | XX | ✗ |
| 434914 | WELL | XX | 11/01/2013 | LO | 045-22209 | Petree Federal 22-1C (O22NW) | XX | ✗ |
| 434915 | WELL | XX | 11/01/2013 | LO | 045-22210 | Petree Federal 22-8D (O22NW) | XX | ✗ |
| 434916 | WELL | XX | 11/01/2013 | LO | 045-22211 | Petree Federal 23-14B (O22NW) | XX | ✗ |
| 434917 | WELL | XX | 11/01/2013 | LO | 045-22212 | Petree Federal 22-8A (O22NW) | XX | ✗ |
| 434918 | WELL | XX | 11/01/2013 | LO | 045-22213 | Petree Federal 23 23-11B (O22NW) | XX | ✗ |
| 434919 | WELL | XX | 11/01/2013 | LO | 045-22214 | Petree Federal 23-5D (O22NW) | XX | ✗ |
| 434920 | WELL | XX | 11/01/2013 | LO | 045-22215 | Petree Federal 23-13D (O22NW) | XX | ✗ |

Equipment:

Location Inventory

| | | | |
|------------------------------|-------------------------|-----------------------|-------------------------|
| Special Purpose Pits: _____ | Drilling Pits: _____ | Wells: <u>24</u> | Production Pits: _____ |
| Condensate Tanks: <u>12</u> | Water Tanks: _____ | Separators: <u>24</u> | Electric Motors: _____ |
| Gas or Diesel Mortors: _____ | Cavity Pumps: _____ | LACT Unit: _____ | Pump Jacks: _____ |
| Electric Generators: _____ | Gas Pipeline: _____ | Oil Pipeline: _____ | Water Pipeline: _____ |
| Gas Compressors: _____ | VOC Combustor: <u>1</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 | AIRES ID 045-0836-001 | | |

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

Comment: _____

Corrective Action: _____

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

Multiple Spills and Releases?

Equipment:

| | | | |
|---------------------------------|-----|-------------------------------|--------------|
| Type: Pig Station | # 1 | Satisfactory/Action Required: | SATISFACTORY |
| Comment | | | |
| Corrective Action | | | Date: |
| Type: Emission Control Device | # 0 | Satisfactory/Action Required: | SATISFACTORY |
| Comment | | | |
| Corrective Action | | | Date: |
| Type: Gas Meter Run | # 1 | Satisfactory/Action Required: | SATISFACTORY |
| Comment | | | |
| Corrective Action | | | Date: |
| Type: Ancillary equipment | # 0 | Satisfactory/Action Required: | SATISFACTORY |
| Comment | | | |
| Corrective Action | | | Date: |
| Type: Vertical Heated Separator | # 4 | Satisfactory/Action Required: | SATISFACTORY |
| Comment | | | |
| Corrective Action | | | Date: |
| Type: Plunger Lift | # 4 | Satisfactory/Action Required: | SATISFACTORY |
| Comment | | | |
| Corrective Action | | | Date: |

Tanks and Berms:

New Tank

Tank ID: _____

| Contents | # | Capacity | Type | SE GPS |
|--------------------|--------------|----------|-----------|---------------------|
| METHANOL | 1 | 1000 GAL | STEEL AST | , |
| S/AR | SATISFACTORY | | Comment: | Centralized battery |
| Corrective Action: | | | | Corrective Date: |

Paint

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

Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

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

Tanks and Berms:

New Tank

Tank ID: _____

| Contents | # | Capacity | Type | SE GPS |
|------------|---|----------|-----------|-----------------------|
| CONDENSATE | 2 | 500 BBLS | STEEL AST | 39.507310,-107.757410 |

| Group | User | Comment | Date |
|-------|----------|---|------------|
| 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, if the drill cuttings are to be left onsite, they must also meet the applicable standards of table 910-1.</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, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) 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> <p>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 and following any reconfiguration of the pipeline network. Operator shall notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to testing surface poly/sterel or buried poly/steel pipelines.</p> <p>Operator must implement best management practices to contain any unintentional release of fluids along all portions of any surface pipeline route, if constructed, where temporary pumps and other necessary equipment are located.</p> <p>Operator must routinely inspect the entire length of any surface pipeline, if constructed) to ensure integrity. Operator shall conduct daily inspections of surface poly pipeline routes for leaks during active transfer of fluids. Inspections shall be conducted by viewing the length of the pipeline; operator will endeavor to minimize surface disturbance during pipeline monitoring. The operator shall maintain records of inspections, findings and repairs, if necessary, for the life of the pipelines.</p> <p>Operator must ensure appropriate secondary containment for volume of fluids that may be released before pump shut down from the surface pipeline at all stream, intermittent stream, ditch, and drainage crossings. Catchment basins, if needed, should be sized to contain the volume between pump stations or between the nearest pump station and the frac pad being used for this well pad location. Pump stations along the surface poly or steel pipeline route will be continuously monitored when operating in order to swiftly respond to such a failure.</p> <p>Operator will utilize, to the extent practical, all existing access and other public roads, and/or existing pipeline right-of-ways, when placing/routing any surface or buried pipelines. This will reduce surface disturbance and fragmentation of wildlife habitat in the area.</p> | 09/18/2013 |
| OGLA | kubeczkd | <p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>As required for Groundwater Baseline Sampling; Operator shall comply with Rule 609. STATEWIDE GROUNDWATER BASELINE SAMPLING AND MONITORING:</p> | 09/18/2013 |

| | | | |
|-------------|-----------------|---|-------------------|
| <p>OGLA</p> | <p>kubeczkd</p> | <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.</p> <p>Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations (as shown on the Construction Layout Drawings attachment); 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>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> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p> | <p>09/18/2013</p> |
|-------------|-----------------|---|-------------------|

S/IAR: SATISFACTORY **Comment:** No drilling or completions being performed at time of inspection, no visual sign of pits or cuttings

CA: **Date:** _____

Wildlife BMPs:

| BMP Type | Comment |
|---------------------|---|
| Construction | <p>(Not all are used all the time) Terminal Containment, Diversions, Run-On Protection, Tracking, Benching, Terracing, ECM (Erosion Control Mulch), ECB (Erosion Control Blanket), Check Dams, Seeding, Mulching, Water Bars, Stabilized Unpaved Surfaces (Gravel), Stormwater & Snow Storage Containment, Scheduling, Phased Construction, Temporary Flumes, Culverts with inlet & outlet protection, Rip Rap, TRM (Turf Reinforcement Mats), Maintenance, Scheduling, Phased Construction, Fueling BMP's, Waste Management BMP's, Materials Handling BMP's</p> |
| Wildlife | <p>Minimize the number, length and footprint of oil & gas development roads Use existing routes where possible Combine utility infrastructure planning (gas, electric & water) when possible with roadway planning to avoid separate utility corridors Coordinate Employee transport when possible</p> <p>Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors. Maximize use of state-of-the-art drilling technology (e.g., high efficiency rigs, coiled-tubing unit rigs, closed-loop or pitless drilling, etc.) to minimize disturbance.</p> |
| Pre-Construction | <p>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions & ROP's), Scheduling, Phased Construction</p> |
| Interim Reclamation | <p>Maintenance Revegetation Monitoring BMP maintenance & monitoring Weed Management</p> |

S/IAR: SATISFACTORY **Comment:** BMPs in place

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:

Facility

Facility ID: 269052 Type: WELL API Number: 045-09315 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 269053 Type: WELL API Number: 045-09313 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 269112 Type: WELL API Number: 045-09319 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 269113 Type: WELL API Number: 045-09320 Status: PR Insp. Status: TA

Idle Well

Purpose: Shut In Temporarily Abandoned Reminder: _____

S/A/V: _____ CA Date: 09/22/2016

CA: Contact COGCC engineering staff

Comment: No form 4 on file to maintain Temporarily Abandoned well, Must be submitted yearly

Facility ID: 434901 Type: WELL API Number: 045-22196 Status: XX Insp. Status: XX

Facility ID: 434902 Type: WELL API Number: 045-22197 Status: XX Insp. Status: XX

Facility ID: 434903 Type: WELL API Number: 045-22198 Status: XX Insp. Status: XX

Inspector Name: Murray, Richard

| | | | | |
|---------------------|------------|-----------------------|------------|------------------|
| Facility ID: 434904 | Type: WELL | API Number: 045-22199 | Status: XX | Insp. Status: XX |
| Facility ID: 434905 | Type: WELL | API Number: 045-22200 | Status: XX | Insp. Status: XX |
| Facility ID: 434906 | Type: WELL | API Number: 045-22201 | Status: XX | Insp. Status: XX |
| Facility ID: 434907 | Type: WELL | API Number: 045-22202 | Status: XX | Insp. Status: XX |
| Facility ID: 434908 | Type: WELL | API Number: 045-22203 | Status: XX | Insp. Status: XX |
| Facility ID: 434909 | Type: WELL | API Number: 045-22204 | Status: XX | Insp. Status: XX |
| Facility ID: 434910 | Type: WELL | API Number: 045-22205 | Status: XX | Insp. Status: XX |
| Facility ID: 434911 | Type: WELL | API Number: 045-22206 | Status: XX | Insp. Status: XX |
| Facility ID: 434912 | Type: WELL | API Number: 045-22207 | Status: XX | Insp. Status: XX |
| Facility ID: 434913 | Type: WELL | API Number: 045-22208 | Status: XX | Insp. Status: XX |
| Facility ID: 434914 | Type: WELL | API Number: 045-22209 | Status: XX | Insp. Status: XX |
| Facility ID: 434915 | Type: WELL | API Number: 045-22210 | Status: XX | Insp. Status: XX |
| Facility ID: 434916 | Type: WELL | API Number: 045-22211 | Status: XX | Insp. Status: XX |
| Facility ID: 434917 | Type: WELL | API Number: 045-22212 | Status: XX | Insp. Status: XX |
| Facility ID: 434918 | Type: WELL | API Number: 045-22213 | Status: XX | Insp. Status: XX |
| Facility ID: 434919 | Type: WELL | API Number: 045-22214 | Status: XX | Insp. Status: XX |
| Facility ID: 434920 | Type: WELL | API Number: 045-22215 | Status: XX | Insp. Status: XX |

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): N

Comment: _____

Pilot: _____ 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. Waste and Debris removed? 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 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: _____

Inspector Name: Murray, Richard

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 |
|------------------|-----------------|-------------------------|-----------------------|---------------|--------------------------|---------|
| Seeding | Pass | | | | | |
| | | Culverts | Pass | | | |
| Gravel | Pass | | | | | |
| Berms | Pass | | | | | |
| | | Gravel | Pass | | | |
| | | Ditches | Pass | | | |

S/A/V: SATISFACTORY

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 |
|--------------|---------------------|---|
| 666802537 | INSPECTION APPROVED | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3945866 |