

Inspector Name: Welsh, Brian

**FORM
INSP**Rev
05/11**State of Colorado
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

DE ET OE ES

Inspection Date:
04/23/2015Document Number:
668501311

Overall Inspection:

ACTION REQUIRED**FIELD INSPECTION FORM**

| | | | | | |
|---------------------|-------------|--------|-----------------|--------------------------|-------------|
| Location Identifier | Facility ID | Loc ID | Inspector Name: | On-Site Inspection | 2A Doc Num: |
| | 439639 | 439638 | Welsh, Brian | <input type="checkbox"/> | |

Operator Information:OGCC Operator Number: 10475Name of Operator: DISCOVERY NATURAL RESOURCES LLCAddress: 410 17TH STREET #900City: 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 |
|------------------|----------------|---------------------------------|---------|
| Black, Dakota | (303) 893-5090 | dakota.black@discoverynr.com | |
| Sobotik, Phyllis | (303) 899-5608 | phyllis.sobotik@discoverynr.com | |
| Scofield, Bonnie | (303) 628-7358 | bonnie.scofield@discoverynr.com | |

Compliance Summary:QtrQtr: NWNE Sec: 21 Twp: 22S Range: 46W**Inspector Comment:****INSTALL CASING VALVE ON WELLHEAD FOR ISOLATION. INSTALL LEASE SIGN****Related Facilities:**

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status | |
|-------------|------|--------|-------------|------------|-----------|------------------|-------------|-------------------------------------|
| 439639 | WELL | DG | 01/02/2015 | | 099-06913 | WOOTEN 2-21-2246 | WO | <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>1</u> | Electric Motors: <u>1</u> |
| Gas or Diesel Motors: _____ | Cavity Pumps: _____ | LACT Unit: _____ | Pump Jacks: <u>1</u> |
| Electric Generators: _____ | Gas Pipeline: _____ | Oil Pipeline: _____ | Water Pipeline: _____ |
| Gas Compressors: _____ | VOC Combustor: _____ | Oil Tanks: <u>3</u> | Dehydrator Units: _____ |
| Multi-Well Pits: _____ | Pigging Station: _____ | Flare: _____ | Fuel Tanks: _____ |

Location**Lease Road:**

| Type | Satisfactory/Action Required | comment | Corrective Action | Date |
|--------|------------------------------|-----------------------|-------------------|------|
| Access | SATISFACTORY | TRAIL THROUGH PASTURE | | |

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| Signs/Marker: | | | | |
|----------------------|------------------------------|---------------------------|---------------------------------------|------------|
| Type | Satisfactory/Action Required | Comment | Corrective Action | CA Date |
| WELLHEAD | ACTION REQUIRED | NO LEASE SIGN AT WELLHEAD | Install sign to comply with rule 210. | 04/30/2015 |

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

Comment: _____

Corrective Action: _____

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

| Venting: | | |
|-----------------|---------|--|
| Yes/No | Comment | |
| | | |

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

Predrill

Location ID: 439639

Site Preparation:

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

S/A/V: _____

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

Form 2A COAs:

| Group | User | Comment | Date |
|-------|---------|--|------------|
| OGLA | HouseyM | Proposed Location lies within a Sensitive Area with potentially shallow groundwater ranging from 1 foot to 30 feet bgs. If groundwater is encountered during construction activities, no drilling pit will be used and the Operator shall switch to a closed loop system. Containment berms shall be constructed of steel rings, designed and installed to prevent leakage and resist degradation from erosion or routine operation. Secondary containment areas for tanks shall be constructed with a synthetic or engineered liner that contains all primary containment vessels and flowlines and is mechanically connected to the steel ring to prevent leakage. | 10/23/2014 |
| OGLA | HouseyM | Operator shall submit Reference Area Pictures taken during the growing season within 12 months from the submittal of this Form 2A. | 10/27/2014 |
| OGLA | HouseyM | Operator shall provide notice to COGCC 48 hours prior to commencing construction of this Oil and Gas Location via Form 42. | 10/27/2014 |

S/A/V: SATISFACTORY **Comment:** NO ISSUES OBSERVED

CA: _____ **Date:** _____

Wildlife BMPs:

| BMP Type | Comment |
|--|---|
| Material Handling and Spill Prevention | Load-lines. All load-lines shall be bull-plugged or capped. |
| Drilling/Completion Operations | Drill stem tests results will be submitted to COGCC if performed. |

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| | |
|--|---|
| General Housekeeping | Removal of surface trash. All trash, debris and material not intrinsic to the operation of the oil and gas facility shall be removed and legally disposed of as is applicable. |
| Dust control | Per Rule 805: Oil & gas facilities and equipment shall be operated in such a manner that odors and dust do not constitute a nuisance or hazard to public welfare. |
| Material Handling and Spill Prevention | Leak Detection Plan. Pumper will visit the location daily and visually inspect all tanks and fittings for leaks. Additionally, monthly documented SPCCP inspections are conducted pursuant to 40 CFR §112. |
| Drilling/Completion Operations | Blowout preventer equipment ("BOPE"). A double ram and annular preventer will be used during drilling. At least the drilling company shall have a valid well blowout prevention certifications. |
| Final Reclamation | Well site cleared. Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site. |
| Material Handling and Spill Prevention | Tank specifications. Tanks will be designed, constructed and maintained in accordance with NFPA Code 30. The tanks are visually inspected once a day for issues, and recorded inspections are conducted once a month. |
| Drilling/Completion Operations | BOPE for well servicing operations. Adequate BOP equipment shall be used. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low and high pressure fluid. |
| Planning | Logging Open Hole resistivity log with gamma ray will be run on the wellbore to adequately verify the setting depth of the surface casing and aquifer coverage. A CBL will be run on all production casing or, in the case of a production liner, the intermediate casing, when these casing strings are run. |
| Drilling/Completion Operations | Guy line anchors. All guy line anchors shall be brightly marked pursuant to Rule 604.c (2)Q. |
| Drilling/Completion Operations | Control of fire hazards. All materials which are considered fire hazards shall be a minimum of 25' from the wellhead tanks or separators. Electrical equipment shall comply with API RP 500 and will comply with the current national electrical code. An emergency response plan has been generated for this site. |
| Final Reclamation | Identification of plugged and abandoned wells. P&A'd wells shall be identified pursuant to 319.a. (5). |
| General Housekeeping | Fencing requirements. A permanent fencing plan will be reviewed by the surface owner, & the applicant. |
| Material Handling and Spill Prevention | Berm construction. Tank berms shall be constructed of steel rings with a synthetic or engineered liner and designed to contain 150% of the capacity of the largest tank. All berms will be visually checked periodically to ensure proper working condition. |
| Traffic control | Access roads. The access road will be constructed to accommodate local emergency vehicles. This road will be maintained for access at all times. |

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

CA: _____ **Date:** _____

Stormwater:

Comment: _____

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____ Address: _____

Phone Number: _____ Cell Phone: _____

Operator Rep. Contact Information:

Landman Name: _____ Phone Number: _____

Date Onsite Request Received: _____ Date of Rule 306 Consultation: _____

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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: 439639 Type: WELL API Number: 099-06913 Status: DG Insp. Status: WO

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): _____

Comment: _____

Pilot: _____ Wildlife Protection Devices (fired vessels): _____

Reclamation - Storm Water - Pit

Interim Reclamation:

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: RANGELAND

Comment: _____

1003a. Debris removed? 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? In CM **DRILLING AND RESERVE PITS ARE OPEN**

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CA _____ CA Date _____
Guy line anchors removed? _____ 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 |
|------------------|-----------------|-------------------------|-----------------------|---------------|--------------------------|---------|
| Compaction | Pass | Compaction | Pass | | | |

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Y

Corrective Date: _____

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT

Pit Type: Water Fresh Lined: NO Pit ID: _____ Lat: 38.127270 Long: -102.584520

Lining:

Liner Type: _____ Liner Condition: _____

Comment: _____

Fencing:

Fencing Type: _____ Fencing Condition: _____

Comment: _____

Netting:

Netting Type: _____ Netting Condition: _____

Comment: _____

Anchor Trench Present: _____ Oil Accumulation: _____ 2+ feet Freeboard: _____

Pit (S/A/V): SATISFACTOR Comment: WELL HAS BEEN COMPLETED. PIT IS STILL OPEN

Corrective Action: _____ Date: _____

Pit Type: Reserve Lined: YES Pit ID: _____ Lat: 38.127260 Long: -102.583630

Lining:

Liner Type: Plastic Liner Condition: Adequate

Comment: _____

Fencing:

Fencing Type: _____ Fencing Condition: _____

Comment: _____

Netting:

Netting Type: _____ Netting Condition: _____

Comment: _____

Anchor Trench Present: _____ Oil Accumulation: _____ 2+ feet Freeboard: _____

Pit (S/A/V): SATISFACTOR Comment: WELL HAS BEEN COMPLETED. PIT IS STILL OPEN

Corrective Action: _____ Date: _____

COGCC Comments

| Comment | User | Date |
|--|--------|------------|
| INSTALL CASING VALVE ON WELLHEAD FOR ISOLATION. INSTALL LEASE SIGN | welshb | 04/21/2015 |

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

| Document Num | Description | URL |
|--------------|---------------------------------|---|
| 668501328 | RESERVE PIT OPEN | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3595901 |
| 668501329 | FRESH WATER PIT OPEN | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3595902 |
| 668501330 | INSTALL VALVE ON EXPOSED CASING | http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3595903 |

ACTION REQUIRED

ANY ACTION REQUIRED items listed on this report indicate that the oil and gas facility or the oil and gas operations listed on the report may be in violation of the rules and regulations of the Colorado Oil and Conservation Commission (“COGCC”) and corrective action is required.

There is reasonable cause to believe that a violation of the Oil and Gas Conservation Act, or of any rule, regulation, or order of the Commission, or of any permit issued by the Commission, has occurred. The Operator’s compliance with this Inspection Report is required to resolve these alleged violations. This document requires the Operator to timely respond to the COGCC and to comply with directives as listed by the **Corrective Action Deadline Date**. Failure to do so will result in the issuance of a Notice of Alleged Violation and initiation of enforcement proceedings in which COGCC will seek monetary penalties for the alleged violations pursuant to § 34-60-121, C.R.S. and Rule 523, COGCC Rules of Practice and Procedure, 2 CCR 404-1. (Please note that the COGCC's penalty authority was recently increased to a maximum of \$15,000 per day and penalties are no longer capped at a maximum of \$10,000 per violation.)