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: 03/16/2015

Document Number: 668402678

Overall Inspection: SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	431341	431328	BROWNING, CHUCK	☐	

Operator Information:

OGCC Operator Number: 10442

Name of Operator: HUNTER RIDGE ENERGY SERVICES LLC

Address: 370 17TH STREET #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
OATES, JASON	(720) 876-3228	jason.oates@encana.com	
Browning, Chuck	970-433-4139	chuck.browning@state.co.us	Field Inspector

Compliance Summary:

QtrQtr: NESW Sec: 30 Twp: 4S Range: 95W

Inspector Comment:

UIC - Routine inspection

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
431330	WELL	IJ	09/21/2013	DSPW	045-21850	SG WD09B-30 N30495	SI	☒
431332	WELL	XX	01/11/2013	LO	045-21851	SG WD16D-30 N30495	XX	☐
431333	WELL	XX	01/11/2013	LO	045-21852	SG WD08C-31 N30495	XX	☐
431334	WELL	IJ	09/21/2013	DSPW	045-21853	SG WD14A-30 N30495	SI	☒
431335	WELL	XX	01/11/2013	LO	045-21854	SG WD14B-31 N30495	XX	☐
431339	WELL	IJ	09/11/2014	DSPW	045-21855	SG WD06C-30 N30495	SI	☒
431340	WELL	XX	01/11/2013	LO	045-21856	SG WD 03D-31 N30 495	XX	☐
431341	WELL	IJ	09/29/2013	DSPW	045-21857	SG WD01D-30 N30495	SI	☒

Equipment: Location Inventory

Inspector Name: BROWNING, CHUCK

Special Purpose Pits:		Drilling Pits:		Wells:	8	Production Pits:	
Condensate Tanks:		Water Tanks:		Separators:		Electric Motors:	
Gas or Diesel Mortors:		Cavity Pumps:		LACT Unit:		Pump Jacks:	
Electric Generators:	1	Gas Pipeline:	1	Oil Pipeline:		Water Pipeline:	1
Gas Compressors:		VOC Combustor:		Oil Tanks:		Dehydrator Units:	
Multi-Well Pits:		Pigging Station:		Flare:		Fuel Tanks:	

Location

Lease Road:				
Type	Satisfactory/Action Required	comment	Corrective Action	Date
Main	SATISFACTORY			
Access	SATISFACTORY			

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	SATISFACTORY			
WELLHEAD	SATISFACTORY			

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

Comment:

Corrective Action:

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Venting:	
Yes/No	Comment
NO	

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

Predrill

Location ID: 431341

Site Preparation:

Lease Road Adeq.: Pads: Soil Stockpile:

S/A/V:

Corrective Action: Date: CDP Num.:

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	SITE SPECIFIC COAs: 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	01/08/2013

hydraulic stimulation operations).

Operator must submit an as-built drawing (plan view and cross-sections) of the SWD injection well pad and associated equipment within 30 calendar days of construction.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface or buried pipelines.

Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations (as described on the BMPs tab and 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.

The moisture content of any freshwater generated 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.

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.

Operator will use qualified containment devices for all appropriate chemicals/hazardous materials used onsite during the operation of the injection well.

All tanks and aboveground vessels containing fluids must have secondary containment structures. All secondary containment structures/areas must be lined. Operator must ensure 150 percent secondary containment for the largest structure containing fluids within each bermed area the facility during operations. The construction and lining of the secondary containment structures/areas shall be supervised by a professional engineer or their agent.

Operator shall equip and maintain on all tanks an electronic level monitoring device that will immediately shut in pipelines from wells.

Operator shall install a steel containment ring around tank batteries to provide secondary containment and install a synthetic liner that underlies the entire battery and is keyed into the top of the containment ring.

Approval of this Form 2A does not authorize operator the right to inject. Authorization to inject into the selected Formatuion(s) requires approval of both the Form 31 and the Form 33.

Befiore hydraulic stimulation of the well, operator shall collect a groundwater sample from the Maroon Formation and analyze for total dissolved solids (TDS); submit laboratory analytical results to denise.onyskiw@state.co.us and arthur.koelspell@state.co.us.

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

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
Wildlife	• Install trench plugs (sloped to allow wildlife or livestock to exit the trench should they enter) at known wildlife or livestock trails to allow safe crossing on long spans of open trench, where appropriate, economically and technically feasible. • Perform biological surveys (on-site) for each new development, using the most recent data sets for wildlife and aquatic resources. • Perform pre-disturbance surveys when the on-site inspection and commencement of disturbance occur in different field seasons using the most recent data sets for wildlife and aquatic resources. • Utilize the Encana Wildlife Resources Matrix to identify and document (where appropriate) potential impacts or concerns during the project planning phase for proposed drilling operations and construction of roads, pads and pipelines. • Use enclosed, locking garbage receptacles or implement a strict daily trash removal regime on each temporary or permanent work location.
Site Specific	• Use solar panels as an alternative energy source for on-location production equipment, where appropriate, economically and technically feasible. • Maintain a minimum of five feet of soil cover between the pipeline and the lowest point of the drainage or water body channel. • Prohibit Encana employees and contractors from carrying projectile weapons on Encana property, except during company organized events. • Prohibit pets on Encana property. • Strategically apply fugitive dust control measures, including enforcing established speed limits on Encana private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.
Construction	• Use multiple gathering lines placed in a single trench to minimize disturbance and construction, where appropriate, economically and technically feasible. • Install pipeline crossings at right angles to the drainages, wetlands, and perennial water bodies, where appropriate, economically and technically feasible.

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:

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: 431330 Type: WELL API Number: 045-21850 Status: IJ Insp. Status: SI

Underground Injection Control

UIC Violation: Maximum Injection Pressure:

UIC Routine

Inj./Tube: Pressure or inches of Hg 0 Previous Test Pressure MPP
(e.g. 30 psig or -30" Hg) Inj Zone: WSTC

TC: Pressure or inches of Hg 0 Previous Test Pressure Last MIT: 07/08/2013

Brhd: Pressure or inches of Hg 0 Previous Test Pressure AnnMTReq:

Comment: Wells TA for construction.

Method of Injection:

Test Type: Tbg psi: Csg psi: BH psi:

Insp. Status:

Comment:

Facility ID: 431334 Type: WELL API Number: 045-21853 Status: IJ Insp. Status: SI

Underground Injection Control

UIC Violation: Maximum Injection Pressure:

UIC Routine

Inj./Tube: Pressure or inches of Hg 0 Previous Test Pressure MPP
(e.g. 30 psig or -30" Hg) Inj Zone: WSTC

TC: Pressure or inches of Hg 0 Previous Test Pressure Last MIT: 07/08/2013

Brhd: Pressure or inches of Hg 0 Previous Test Pressure AnnMTReq:

Comment: Wells TA for construction.

Method of Injection: PUMP FEED

Test Type: Tbg psi: Csg psi: BH psi:

Insp. Status:

Comment:

Facility ID: 431339 Type: WELL API Number: 045-21855 Status: IJ Insp. Status: SI

Inspector Name: BROWNING, CHUCK

Underground Injection Control

UIC Violation: _____ Maximum Injection Pressure: _____

UIC Routine

Inj./Tube: Pressure or inches of Hg 0 Previous Test Pressure _____ MPP _____

(e.g. 30 psig or -30" Hg) Inj Zone: WSTC

TC: Pressure or inches of Hg 0 Previous Test Pressure _____ Last MIT: 07/08/2013

Brhd: Pressure or inches of Hg 0 Previous Test Pressure _____ AnnMTReq: _____

Comment: Wells TA for construction.

Method of Injection: PUMP FEED

Test Type: _____ Tbg psi: _____ Csg psi: _____ BH psi: _____

Insp. Status: _____

Comment: _____

Facility ID: 431341 Type: WELL API Number: 045-21857 Status: IJ Insp. Status: SI

Underground Injection Control

UIC Violation: _____ Maximum Injection Pressure: _____

UIC Routine

Inj./Tube: Pressure or inches of Hg 0 Previous Test Pressure _____ MPP _____

(e.g. 30 psig or -30" Hg) Inj Zone: WSTC

TC: Pressure or inches of Hg 0 Previous Test Pressure _____ Last MIT: 07/08/2013

Brhd: Pressure or inches of Hg 0 Previous Test Pressure _____ AnnMTReq: _____

Comment: Wells TA for construction.

Method of Injection: PUMP FEED

Test Type: _____ Tbg psi: _____ Csg psi: _____ BH psi: _____

Insp. Status: _____

Comment: _____

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:

Lat Long

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ _____

Field Parameters:

Sample Location: _____

Emission Control Burner (ECB): _____

Comment: _____

Inspector Name: BROWNING, CHUCK

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? In CM _____

CA _____ CA Date _____

Waste Material Onsite? _____ CM _____

CA _____ CA Date _____

Unused or unneeded equipment onsite? In CM _____

CA _____ CA Date _____

Pit, cellars, rat holes and other bores closed? _____ CM _____

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? In Production areas stabilized ? Pass

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? In

Production areas have been stabilized? Pass 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? P

Comment:

Overall Interim Reclamation In Process

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 _____

Inspector Name: BROWNING, CHUCK

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
Gravel	Pass			MHSP	Pass	

S/A/V: SATISFACTORY Corrective Date: _____

Comment:

CA:

Pits: ☐ NO SURFACE INDICATION OF PIT