

**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



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Inspection Date:

03/22/2013

Document Number:

669600011

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	
	<u>426563</u>	<u>311692</u>	<u>KRABACHER, JAY</u>	2A Doc Num: _____	

**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-

**Contact Information:**

Contact Name	Phone	Email	Comment
KRABACHER, JAY		jay.krabacher@state.co.us	
Brandon Bagwell		brandon.bagwell@encana.com	
ANDREWS, DAVID		david.andrews@state.co.us	
		cogcc.inspections@encana.com	
Julie King		jjking@blm.gov	

**Compliance Summary:**

QtrQtr: LOT 3 Sec: 28 Twp: 7S Range: 95W

**Inspector Comment:**

@ loc as this well is the subject of a variance (Rule 326.d) -- well lacks mechanical integrity and in lieu of stipulated repair, Encana has requested to continue producing w/packer and frac-string 'effectively' isolating the compromised casing section. see Sundry (Form 4) doc # 2055724 in wellfiles. BLM is mineral owner and requested a bradenhead bleed-down test. JK accompanied Julie King, GRVFO lead Pet. Engr Tech. met Encana rep Brandon Bagwell @ loc. well had been shut-in for an hour: pressure was 38 psi and bled off in 45 sec (no liquids). shut-in, built up to 12 psi an hour later.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
290492	WELL	TA	05/02/2012	GW	045-14125	GARDNER FEDERAL 21-15 (PC28)	<input checked="" type="checkbox"/>
290493	WELL	TA	10/12/2012	GW	045-14124	GARDNER 21-13(PC28)	<input checked="" type="checkbox"/>
426547	WELL	PR	02/20/2013	LO	045-21184	Gardner Federal 28-1C (PC-28)	<input checked="" type="checkbox"/>
426550	WELL	PR	12/06/2012	LO	045-21185	Gardner Federal 28-2A (PC-28)	<input checked="" type="checkbox"/>
426551	WELL	PR	02/20/2013	LO	045-21186	Gardner Federal 28-2B (PC-28)	<input checked="" type="checkbox"/>
426552	WELL	DG	06/06/2012		045-21187	Gardner 28-4A (PC-28)	<input checked="" type="checkbox"/>
426553	WELL	DA	05/08/2012	GW	045-21188	Gardner 28-3D (PC-28)	<input type="checkbox"/>
426562	WELL	DG	06/04/2012	LO	045-21189	Gardner 21-14C (PC-28)	<input checked="" type="checkbox"/>
426563	WELL	PR	10/08/2012	LO	045-21190	Gardner Federal 28-1 (PC-28)	<input checked="" type="checkbox"/>
426564	WELL	PR	12/06/2012	LO	045-21191	Gardner 21-14 (PC-28)	<input checked="" type="checkbox"/>
426565	WELL	DG	06/08/2012	LO	045-21192	Gardner Federal 28-2D (PC-28)	<input checked="" type="checkbox"/>
426623	WELL	PR	01/11/2013		045-21193	Gardner 28-3B (PC-28)	<input checked="" type="checkbox"/>
429141	WELL	PR	12/20/2012	OW	045-21498	Gardner 28-3DD (PC-28)	<input checked="" type="checkbox"/>

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>12</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: _____	Separators: <u>12</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: <u>1</u>	Flare: _____	Fuel Tanks: _____

**Location**Emergency Contact Number: (S/U/V) \_\_\_\_\_

Corrective Date: \_\_\_\_\_

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

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

**Spills:**

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?**Venting:**

Yes/No	Comment
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**Flaring:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
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**Predrill**Location ID: 311692**Site Preparation:**

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

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

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	kubeczkod	<p>PROJECT RULISON COAs:</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.</p> <p>Comply with all DOE Office of Legacy Management requests for sampling and analysis of natural gas and other materials associated with drilling and production.</p> <p>The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.</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>	10/27/2011

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.

Berms or other containment devices shall be constructed to be sufficiently impervious to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

Produced water from this location may not be transported to or re-used at another location without specific written approval from COGCC and only after analysis confirms compliance with the Rulison Sampling and Analysis Plan (SAP).

Drill solids and cuttings from this location may not be transported to, disposed of or re-used at another location without specific written approval from COGCC and only after analysis confirms compliance with the Rulison Sampling and Analysis Plan (SAP).

A closed loop mud system shall be utilized to ensure containment of all materials that have been in contact with downhole strata and fluids. All cuttings and fresh make up water storage pits shall be lined to ensure containment. Contour features, french drains and other stormwater BMPs as necessary shall be employed to ensure site integrity.

No individual operator shall utilize more than one rig within one mile of the Project Rulison blast site at any given time and no individual operator shall utilize more than two rigs within a three mile radius of the site at any given time. The total number of rigs allowed by all operators within three miles of the site shall be limited to five at any given time.

Operator shall comply with all provisions of the most recent COGCC approved revision of the Rulison Sampling and Analysis Plan (SAP). In addition to the produced water sampling and analysis outlined in section 5.8 of the plan the operators shall also obtain and analyze produced water samples on wells described in the plan for constituents listed in the plan using the specified method where applicable.

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.

Operator will conduct regular inspections of equipment for leaks and equipment problems with appropriate documentation retained in the operator's office. All equipment deficiencies shall be corrected. Monitoring should end approximately 30 days after well completion and/or after production has been stabilized; however, timely inspections should continue during the production phase.

Operator will use adequately sized containment devices for all chemicals and/or hazardous materials stored or used on location.

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.

**Comment:**

**CA:**

**Date:**

**Wildlife BMPs:**

Inspector Name: KRABACHER, JAY

BMP Type	Comment
Wildlife	All wildlife stipulations and best mangement pratices that apply, are applicable and that have been agreed to with the BLM and are presented in our approved South Parachute Geographic Area Plan for Oil & Gas Development (EA#COC140-2006-050) will be followed.

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

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

**Date:** \_\_\_\_\_

**Stormwater:**

Erosion BMPs	Present	Other BMPs	Present
	Yes		

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

Comments: Erosion BMPs: \_\_\_\_\_

Other BMPs: \_\_\_\_\_

**Comment:** small gullies are starting from pad top @ NW corner and one at NE corner (facing to north, downhill) plus one more small

**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: 290492 Type: WELL API Number: 045-14125 Status: TA Insp. Status: PR

Facility ID: 290493 Type: WELL API Number: 045-14124 Status: TA Insp. Status: PR

Facility ID: 426547 Type: WELL API Number: 045-21184 Status: PR Insp. Status: PR

Facility ID: 426550 Type: WELL API Number: 045-21185 Status: PR Insp. Status: PR

Facility ID: 426551 Type: WELL API Number: 045-21186 Status: PR Insp. Status: PR

Facility ID: 426552 Type: WELL API Number: 045-21187 Status: DG Insp. Status: PR

Inspector Name: KRABACHER, JAY

Facility ID:	426562	Type:	WELL	API Number:	045-21189	Status:	DG	Insp. Status:	PR
Facility ID:	426563	Type:	WELL	API Number:	045-21190	Status:	PR	Insp. Status:	PR
Facility ID:	426564	Type:	WELL	API Number:	045-21191	Status:	PR	Insp. Status:	PR
Facility ID:	426565	Type:	WELL	API Number:	045-21192	Status:	DG	Insp. Status:	PR
Facility ID:	426623	Type:	WELL	API Number:	045-21193	Status:	PR	Insp. Status:	PR
Facility ID:	429141	Type:	WELL	API Number:	045-21498	Status:	PR	Insp. Status:	PR

**BradenHead**

Comment: see comments 1st tab: summary & loc. conducted BH pressure build-up and bleed-down. 38 psi 1st check, then built up to 12 psi an hour later. Encana will continue to take pressure readings and submit to D Andrews as per COA on Sundry granting Variance to Rule 326.d

CA: n / a

CA Date:

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

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Waste Material Onsite? \_\_\_\_\_ 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 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

Multi-Well Location ☐

Inspector Name: KRABACHER, JAY

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
S/U/V: _____ Corrective Date: _____						
Comment: _____						
CA: _____						

COGCC Comments		
Comment	User	Date
12 well loc. each has dehy/pr unit (in 3 bldgs). 6 tanks within galv wall w/plastic-vinyl. 5 are prox 500 bbl and one is 300 bbl. note: earlier INSP by M Longworth noted absence of signs on large tanks. possibly still outstanding issue.	krabachj	03/22/2013