

**FORM  
INSP**Rev  
05/11**State of Colorado****Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Inspection Date:

02/08/2012

Document Number:

663100023

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Tracking Type	Inspector Name:
	<u>421393</u>	<u>421390</u>		<u>ANDREWS, DAVID</u>

**Operator Information:**OGCC Operator Number: 100185 Name of Operator: ENCANA OIL & GAS (USA) INCAddress: 370 17TH ST STE 1700City: DENVERState: COZip: 80202-**Contact Information:**

Contact Name	Phone	Email	Comment
Kathy Friesen		Kathy.Friesen@encana.com	
David Andrews	970-456-5262	David.Andrews@state.co.us	
Richard Mitchell	970-589-9313	rich_mitch_08@hotmail.com	Company Man

**Compliance Summary:**QtrQtr: SENW Sec: 12 Twp: 7S Range: 92W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
02/02/2012	661400053	XX	XX	S			N
01/30/2012	663100022	XX	DG	S			N

**Inspector Comment:**

On location to witness production casing cement job. Production casing set at 5503' MD (from KB/DF); centralizers every jt or every other jt from surface to 4735' MD; no sticking or lost circulation while running csg. Cement plan: circ minimum 2 bottoms-up; 50 bbl MUDPUSH II @ 13.6 ppg with 10 lb/bbl CemNET Plus LCM; 337 bbl EasyBLOK TXI cement with 2 lb/bbl CemNET Plus LCM, 1561 sx @ 14.0 ppg and 1.21 cf/sk, 85 bbl water displacement. Job generally went according to plan: held safety meeting; MW in hole prior to cementing was 12.3 ppg; pressure test OK @ 572 psi low / 5266 psi high; 54 bbl MUDPUSH spacer @ 13.5 ppg to 13.8 ppg; 325 bbl cmt (approx. 1505 sx) @ 13.9 ppg to 14.2 ppg; dropped plug @ 382 total bbl (witnessed plug drop); displaced with 86 bbl water; good circulation throughout job; pump rate was variable to maintain slurry density; low gas units (<125) observed 1/3 way through cementing and towards end before bumping plug; 1705 psi @ 2 bpm prior to bumping plug; pressured up to 2616 psi for 10 min, no significant pressure drop (2649 psi before bleed off); floats held; 26 bbls cement to surface (planned TOC was 670' MD).

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
421387	WELL	XX	01/31/2011		045-20385	TWIN CREEK 12-5A2 (F12E)	
421388	WELL	XX	01/31/2011		045-20386	TWIN CREEK 12-3D1 (F12E)	
421389	WELL	XX	01/31/2011		045-20387	TWIN CREEK 12-4D1 (F12E)	
421390	LOCATION	AC	01/31/2011		-	Twin Creek 12-6C1 (F12E)	
421393	WELL	XX	01/31/2011		045-20388	TWIN CREEK 12-5D1 (F12E)	X
421394	WELL	XX	01/31/2011		045-20389	TWIN CREEK 12-4A1 (F12E)	
421395	WELL	XX	01/31/2011		045-20390	TWIN CREEK 12-5A1 (F12E)	
421396	WELL	XX	01/31/2011		045-20391	TWIN CREEK 12-6C1 (F12E)	
421397	WELL	XX	01/31/2011		045-20392	TWIN CREEK 12-3D2 (F12E)	
421398	WELL	XX	01/31/2011		045-20393	TWIN CREEK 12-6D1 (F12E)	
421400	WELL	XX	01/31/2011		045-20394	TWIN CREEK 12-6A1 (F12E)	

**Equipment:**Location Inventory

Special Purpose Pits: 1	Drilling Pits: _____	Wells: 10	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: 10	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	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/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory	Ditches and stormwater BMP's look good along access road.		

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?**Fencing/:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
LOCATION	Satisfactory	Perimeter fence along access road and surrounding pad. Gate near county road at entrance to pad.		

**Equipment:**

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Vertical Separator	1	Satisfactory	Gas separator will be used for drill rig generators to reduce diesel usage (conversion not complete yet).		

**Venting:**

Yes/No	Comment

**Flaring:**

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 421390

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_

Pads: \_\_\_\_\_

Soil Stockpile: \_\_\_\_\_

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

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

CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
Agency	kubeczkod	Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.	06/16/2010
Agency	kubeczkod	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. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.	06/16/2010
Agency	kubeczkod	Location is in a sensitive area because of proximity to a domestic water well; therefore either a lined drilling pit or closed loop system must be implemented.	06/16/2010
Agency	kubeczkod	Location is in a sensitive area because of proximity to a domestic water well; therefore production pits (if constructed) must be lined.	06/16/2010
Agency	kubeczkod	No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.	05/25/2010

**Wildlife BMPs:****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:

Inspector Name: ANDREWS, DAVID

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

### Well

Facility ID: 421393 API Number: 045-20388 Status: XX Insp. Status: DG

#### Well Drilling

Rig: Rig Name: Nabors M-15 Pusher/Rig Manager: Kenny Robbins  
Permit Posted: Satisfactory Access Sign: Satisfactory

#### Well Control Equipment:

Pipe Ram: YES Blind Ram: YES Hydril Type: YES  
Pressure Test BOP: Pass Test Pressure PSI: 5000 Safety Plan: YES

#### Drill Fluids

#### Management:

Lined Pit: Unlined Pit: Closed Loop: YES Semi-Closed Loop:  
Multi-Well: YES Disposal Location: Cuttings mixed w/ sawdust (pile).

#### Comment:

BOP's tested on 1/31/2012. Rams tested to 250 psi low for 5 minutes, 5000 psi high for 10 minutes. Hydril tested to 250 psi low for 5 minutes, 2500 psi high for 10 minutes. Annular tested to 1000 psi. Casing tested to 1500 psi for 30 minutes.

### Cement

#### Cement Contractor

Contractor Name: Schlumberger Contractor Phone: 303-486-3245

#### Surface Casing

Cement Volume (sx): Circulate to Surface:  
Cement Fall Back: Top Job, 1" Volume:

#### Intermediate Casing

Cement Volume (sxs): Good Return During Job:

#### Production Casing

Cement Volume (sx): 1505 Good Return During Job: YES

#### Plugging Operations

Depth Plugs(feet range): Cement Volume (sx):

Good Return During Job: YES Cement Type: EasyBLOK TXI

Comment: Cement Type shown for production casing cement (all tail, no lead).

### 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: \_\_\_\_\_

**Complaint:**

Tracking Num	Category	Assigned To	Description	Incident Date
200340195	ODOR	LONGWORTH, MIKE	Near by residents noticing a chemical odor in the mourning hours coming from Nabors M15 rig.	02/13/2012

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: IRRIGATED

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 \_\_\_\_\_

Inspector Name: ANDREWS, DAVID

1003 f. Weeds Noxious weeds? \_\_\_\_\_

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

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_

Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: IRRIGATED \_\_\_\_\_

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

**Storm Water:**

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: \_\_\_\_\_

**Attached Documents**

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

Document Num	Description	URL
663100023	INSPECTION APPROVED	<a href="http://cogcc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=2874902">http://cogcc.state.co.us/weblink/DownloadDocumentPDF.aspx?DocumentId=2874902</a>