

**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:

04/05/2012

Document Number:

663200012

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Tracking Type	Inspector Name
	<u>421388</u>	<u>421390</u>		<u>KRABACHER, JAY</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
tony ketterling		tony.ketterling@encana.com	
kathy friesen		kathy.friesen@encana.com	
Jay Krabacher		jay.krabacher@encana.com	

**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)
03/21/2012	663800229	XX	DG	S			N
01/20/2012	663800083	XX	DG	S			N

**Inspector Comment:**

Encana decided to conduct a two-stage cement job with DV tool @ ~3k' the day before. JK called by Tony K @ ~ 6:30 p.m. Wed. 4/4 and informed of tentative 11:30 PM cementing start time. However, while setting casing, they ran into a bridge which took ~ 4 hrs to get through. well TD = 6008 MD). WS = cementing contractor. 1st cement stage started @ ~ 8:15 a.m. start w/ 50 bbl "Mudpush II (tm)" @ 12.5 ppg. 10 #/bbl "CemNet + " (LCM) added thru-out. Prior mud weight was 12.5. T O G @ 3702' TVD or 4134' TMD. then SWS started the 214 bbl "EasyBlok TWI" cement @ 14 ppg (w/1.5#/bbl CemNet). Followed w/ 91 bbl water. JK watched plug inserted, then bumped. Pressure to 1440 psi, hold. To WOC for ~ 4 hrs then 2nd stage. DV tool opened @ 2900 psi (designed to open @ 3k psi +/- 300). Lift pressure = 4370 psi. 220 PM: start 2nd stage: preFlush = 50 bbl 12.3 "MudPush II", then 139 bbl lead 14.0 ppg EasyBlok followed by 21 bbl tail -- 15.8 ppg. followed by 46.9 bbl water. cement observed @ surface, 410 PM. est 18 bbls. pressure up to 1730 psi. DV "didn't hold" so they kept the wellbore under pressure (~ 1k psi) for 4 hrs to WOC. received email from Encana Drilling Engineer (Gage S.) that job ended up satisfactory.Except for the DV not closing, job went pretty much according to plan.

**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)	X
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)	
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)	

Inspector Name: KRABACHER, JAY

421400	WELL	XX	01/31/2011		045-20394	TWIN CREEK 12-6A1 (F12E)	
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**Equipment:**

## Location Inventory

Special Purpose Pits:	1	Drilling Pits:		Wells:	10	Production Pits:	
Condensate Tanks:		Water Tanks:		Separators:	10	Electric Motors:	
Gas or Diesel Mortors:		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

Emergency Contact Number: (S/U/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/Unsatisfactory	Comment	Corrective Action	CA Date

## Predrill

Location ID: 421390

**Site Preparation:**

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

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:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

**Well**

Facility ID: 421388      API Number: 045-20386      Status: XX      Insp. Status: WO

**Cement****Cement Contractor**

Contractor Name: S W S

Contractor Phone: \_\_\_\_\_

**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): 1826

Good Return During Job: YES

**Plugging Operations**

Depth Plugs(feet range): \_\_\_\_\_

Cement Volume (sx): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

Cement Type: \_\_\_\_\_

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:**

DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS : \_\_\_\_\_ Lat \_\_\_\_\_ Long \_\_\_\_\_

**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 \_\_\_\_\_

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 \_\_\_\_\_

Inspector Name: KRABACHER, JAY

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
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S/U/V: \_\_\_\_\_ Corrective Date: \_\_\_\_\_

Comment:

CA: