

DOCUMENT  
#1642063

FORM  
15  
Rev 6/99

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax: (303)894-2109



FOR OGCC USE ONLY

RECEIVED  
7/21/2011

EARTHEN PIT REPORT/PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

Complete the  
Attachment Checklist

FORM SUBMITTED FOR:

☒ Pit Report ☐ Pit Permit

Oper OGCC

Detailed Site Plan	<input checked="" type="checkbox"/>	
Topo Map w/ Pit Location	<input checked="" type="checkbox"/>	
Water Analysis (Form 25)		
Source Wells (Form 26)		
Pit Design Plan & Cross Sec		
Design Calculations		
Sensitive Area Determ.	<input checked="" type="checkbox"/>	
Mud Program		
Form 2A		

OGCC Operator Number: 100185  
Name of Operator: Encana Oil & Gas (USA) Inc.  
Address: 370 17th Street, Suite 1700  
City: Denver State: CO Zip: 80202

Contact Name and Telephone:  
Chris Hines  
No: 970-285-2653  
Fax:

API Number (of associated well): 335800 (Location ID) ☒ OGCC Facility ID (of other associated facility):  
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE, Section 15, T5S-R96W ☒  
Latitude: 39.621261 Longitude: 108.148646 County: Garfield  
Pit Use: ☐ Production ☐ Drilling (Attach mud program) ☒ Special Purpose (Describe Use): Multi-well produced water storage pit  
Pit Type: ☒ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☒ No  
Offsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: South Storage Pit Pit/Facility No: N87  
Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results. (SOUTH PIT)

Existing Site Conditions

Is the location in a "Sensitive Area?" ☒ Yes ☐ No Attach data used for determination.  
Distance (in feet) to nearest surface water: 290 ground water: >30 water wells: 1,570  
LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:  
Crop Land: ☐ Irrigated ☐ Dry Land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe):  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential  
SOILS (or attach copy of Form 2A if previously submitted for associated well)  
Soil map units from USNRCS survey: Sheet No: CO683 Soil Complex/Series No: 62  
Soils Series Name: Torriorthents complex Horizon thickness (in inches): A: ; B: ; C:  
Soils Series Name: Rock outcrop Horizon thickness (in inches): A: ; B: ; C:  
Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 123 Width: 55 Depth: 13  
Calculated pit volume (bbls): 14.455 Daily inflow rate (bbls/day): NA  
Daily disposal rates (attach calculations): Evaporation: bbls/day Percolation: bbls/day  
Type of liner material: HDPE Thickness: 30 mm  
Attach description of proposed design and construction (include sketches and calculations).  
Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): mechanical settling / separating  
Is pit fenced? ☒ Yes ☐ No Is pit netted? ☒ Yes ☐ No

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Christopher C. Hines

Signed:

Title: Environmental Field Coordinator

Date: 07/21/2011

OGCC Approved:

Title: For Greg Deramla

Date: 09/09/2011

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

425200

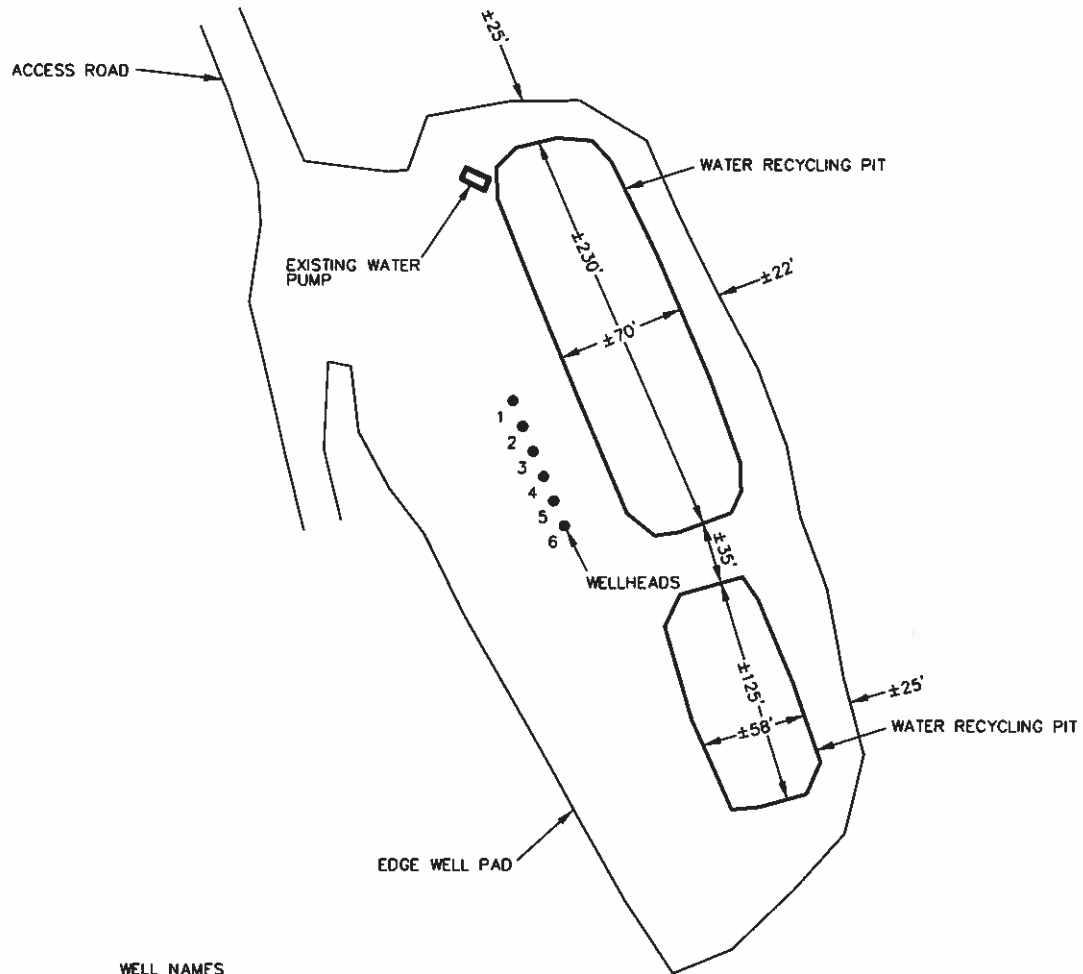
Pit report submitted retroactively OGCA Supervisor

To establish pit facility ID#.

Form 27 pit closure plan submitted concurrently.

Pit closure must comply w/COGCC 900 & 1000 series

ENCANA OIL & GAS (USA) INC.  
NORTH PARACHUTE RANCH RECYCLING WATER PROGRAM  
A15 WELL PAD  
S15 T5S R96W



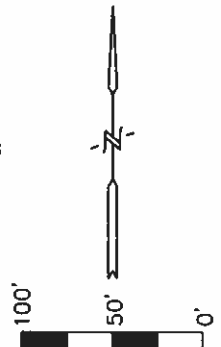
- WELL NAMES
- 1 NOT LABELED
  - 2 CONDUCTOR/FUTURE WELL
  - 3 CONDUCTOR/FUTURE WELL
  - 4 CONDUCTOR/FUTURE WELL
  - 5 CONDUCTOR/FUTURE WELL
  - 6 CONDUCTOR/FUTURE WELL

GENERAL NOTE:

PUMP LOCATIONS (IF INDICATED) ARE NOT PERMANENT OR FINAL LOCATIONS. ALL WATER HANDLING PUMPS USED IN RECYCLING OPERATIONS ARE MOBILE TRAILER-MOUNTED UNITS WHICH MAY BE LOCATED ANYWHERE ALONG THE PERIMETER OF THE PIT IN QUESTION, AT A DISTANCE NO GREATER THAN 20 FEET FROM THE PIT BANK, AS OPERATIONS NECESSITATE.

Rev.: 7-31-08  
Date: 7-9-08  
Drawn By: JEV

UINTAH ENGINEERING & LAND SURVEYING  
832 North Crest Drive, Unit B Grand Junction, Colorado







**encana**  
natural gas

**A15 Well Pad**  
Wildcat Field  
(North Parashankle Ranch)  
Garfield County, Colorado  
Revised: May 2011



# **FORM 15 (EARTHEN PIT REPORT)**

## **Narrative Attachment**

### **A15 Well Pad - 335800 (Location ID)**

Document Date – 07/21/2011

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This pit report was prepared in support of closure activities on two historic and unpermitted pits on the A15 well pad in Encana's North Parachute Ranch. Encana has limited internal documentation on the original use and construction of these pits. The intent of this submittal is not to justify continued operation of the pits, but to provide a Facility ID number to reference during all correspondence associated with pit closure site investigation and remediation activities.

#### **Is the location in a "Sensitive Area?"**

Yes, based on distance to surface water and geographic location, this well pad is found within a sensitive area.

#### **Description of pit use:**

The pits on the A15 well pad provided storage for treated water used in support of hydraulic fracturing operations in Encana's North Parachute Ranch. The pits are constructed on cut-slope, and are supplied filtered produced water via pipeline from the Middle Fork Water Treatment Facility, approximately 3 miles southeast of the A15 well pad.

The North Parachute Properties use a centralized 3-phase gathering system for the collection of produced natural gas and associated fluids. With this centralization of fluid separation and processing, these pits are likely to contain filtered produced water from every well in the North Parachute Properties.

