

335824

DOCUMENT #2216275

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 9/14/2011

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:

[X] Pit Report [ ] Pit Permit

Attachment Checklist table with columns for Detailed Site Plan, Topo Map, etc.

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): 335824 (Location ID) OGCC Facility ID (of other associated facility): Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW Sec. 27 T5S R95W - EF C27A 595 Pad Latitude: 39.588909 Longitude: 108.042369 County: Garfield Pit Use: [X] Production [ ] Drilling [ ] Special Purpose Pit Type: [X] Lined [ ] Unlined Surface Discharge Permit: [ ] Yes [ ] No Offsite disposal of pit contents: [ ] Injection [X] Commercial Pit/Facility Name: N/A C27A EAST Pit/Facility No: N/A 595 Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results. EAST PIT

Existing Site Conditions

Is the location in a "Sensitive Area"? [X] Yes [X] No Attach data used for determination. Distance (in feet) to nearest surface water: -330 ground water: -30 water wells: -740 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: [X] 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: Soil Complex/Series No: 47 Soils Series Name: Nihill Channery Roam 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: 132 Width: 35 Depth: 9 Calculated pit volume (bbls): 5756 Daily inflow rate (bbls/day): Daily disposal rates (attach calculations): Evaporation: bbls/day Percolation: bbls/day Type of liner material: HDPE Thickness: 30 mil 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? [X] Yes [ ] No Is pit netted? [X] Yes [ ] No

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

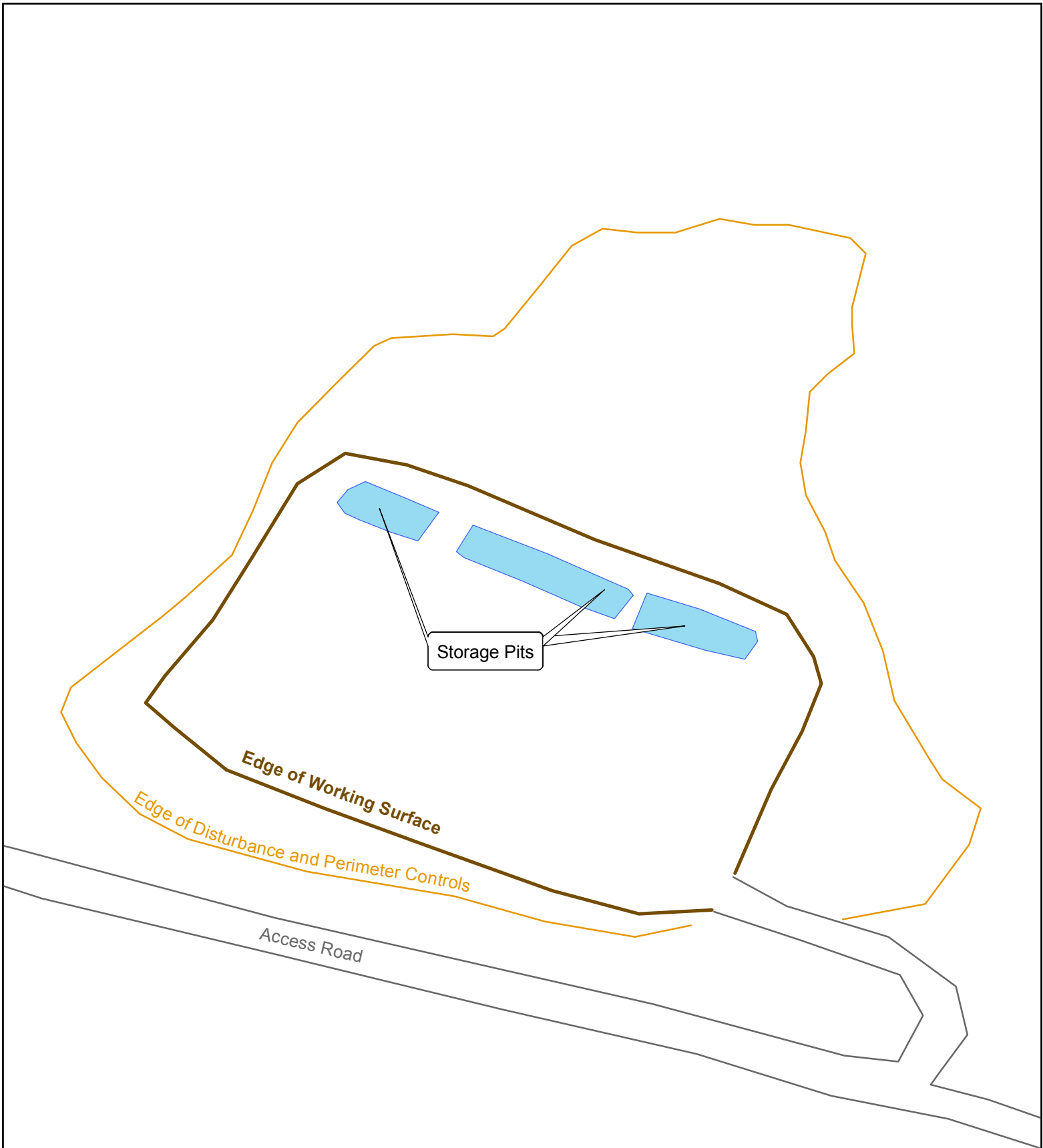
Print Name: Heather Mitchell Signed: [Signature] Title: Regulatory Analyst Date: 09/06/2011

OGCC Approved: [Signature] Title: FOR Greg Deranleau Date: 09/19/2011

CONDITIONS OF APPROVAL, IF ANY: Pit report submitted retroactively to establish pit facility ID# for pit closure purposes.

FACILITY NUMBER: 425570

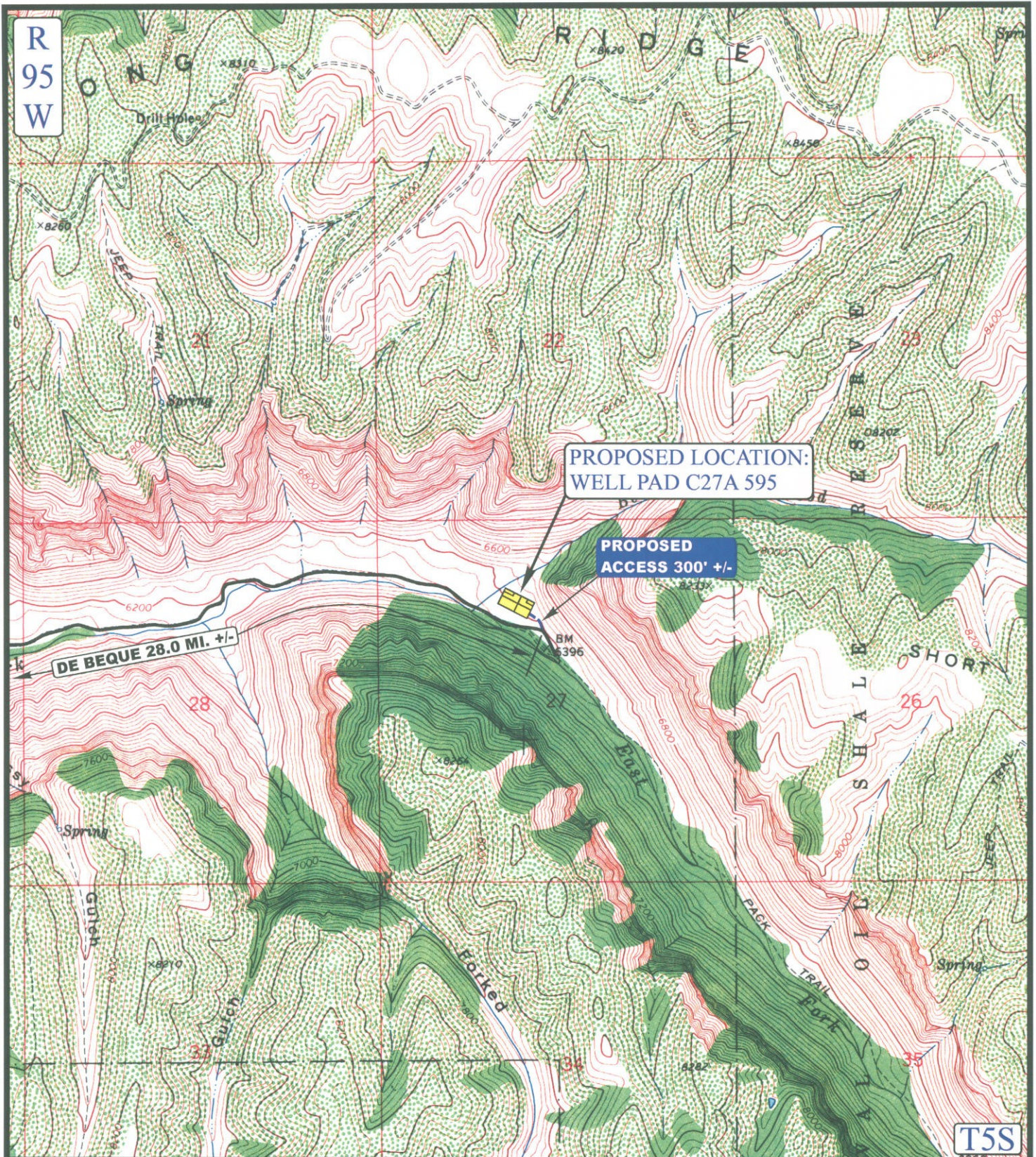
OGLA Supervisor



**encana**<sup>™</sup>  
*natural gas*

0 90 180  
 1 inch = 117 feet

**C27A Well Pad**  
 Grand Valley Field  
 North Parachute Ranch  
 Garfield County, Colorado  
 Revised: September 13, 2011



**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**EnCana OIL & GAS (USA) INC.**

WELL PAD C27A 595  
 SECTION 27, T5S, R95W, 6th P.M.  
 NE 1/4 NW 1/4



Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
 MAP**

**9 20 05**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00



## FORM 15 (Earthen Pit Report/Permit) Narrative Attachment

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### **EF C27A 595 Pad – 335824 (Location ID)**

Document Date – 09/06/2011

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This pit report was prepared in support of closure activities on historic and unpermitted pit on the EF C27A 595 pad. Encana has limited internal documentation on the original use and construction of the pit. The intent of this submittal is not to justify continued operation of the pit, 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 the distance to surface water and the depth to ground water, this location is found in a sensitive area.

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

The pits on this well pad provided storage for treated water used in support of hydraulic fracturing operations in Encana’s North Parachute Ranch. The pits were constructed on the cut-slope and were supplied filtered produced water via pipeline from the Middle Fork Treatment Facility, located in the SWSW of Section 30, T5S, R95W in Garfield County or transferred from a flowback tank after mechanical settling.

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 the fluid separation and processing, these pits are likely to contain filter produced water from every well in the North Parachute Properties.