

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



DOCUMENT
#2216264

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:

Pit Report Pit Permit

Oper OGCC

Detailed Site Plan	✓	
Topo Map w/ Pit Location	✓	
Water Analysis (Form 25)		
Source Wells (Form 26)		
Pit Design/Plan & Cross Sec		
Design Calculations		
Sensitive Area Determ.		
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): 335200 (Location ID) OGCC Facility ID (of other associated facility):
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW Sec. 28 T6S R96W - MF C28 696
Latitude: 39.501461 Longitude: 108.117084 County: Garfield
Pit Use: Production Drilling (Attach mud program) Special Purpose (Describe Use): Multi-well Pit
Pit Type: Lined Unlined Surface Discharge Permit: Yes No
Offsite disposal of pit contents: Injection Commercial Pit/Facility Name: N/A C28 Pit/Facility No: N/A 696
Attach Form 26 to Identify Source Wells and Form 25 to provide Produced Water Analysis results.

Existing Site Conditions

Is the location in a "Sensitive Area?" Yes No Attach data used for determination.
Distance (in feet) to nearest surface water: ~100 ground water: ~180' water wells: ~2753
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: Soil Complex/Series No: 47
Soils Series Name: Nihill Channery Loam Horizon thickness (in inches): A: ; B: ; C:
Soils Series Name: 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: 212' Width: 64' Depth: 16'
Calculated pit volume (bbls): 33811 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? 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: Heather Mitchell Signed: *Heather Mitchell*
Title: Regulatory Analyst Date: 09/06/2011

OGCC Approved: *Cathy Kuyun* Title: *Fer Gray Dezan lean* Date: 09/19/2011

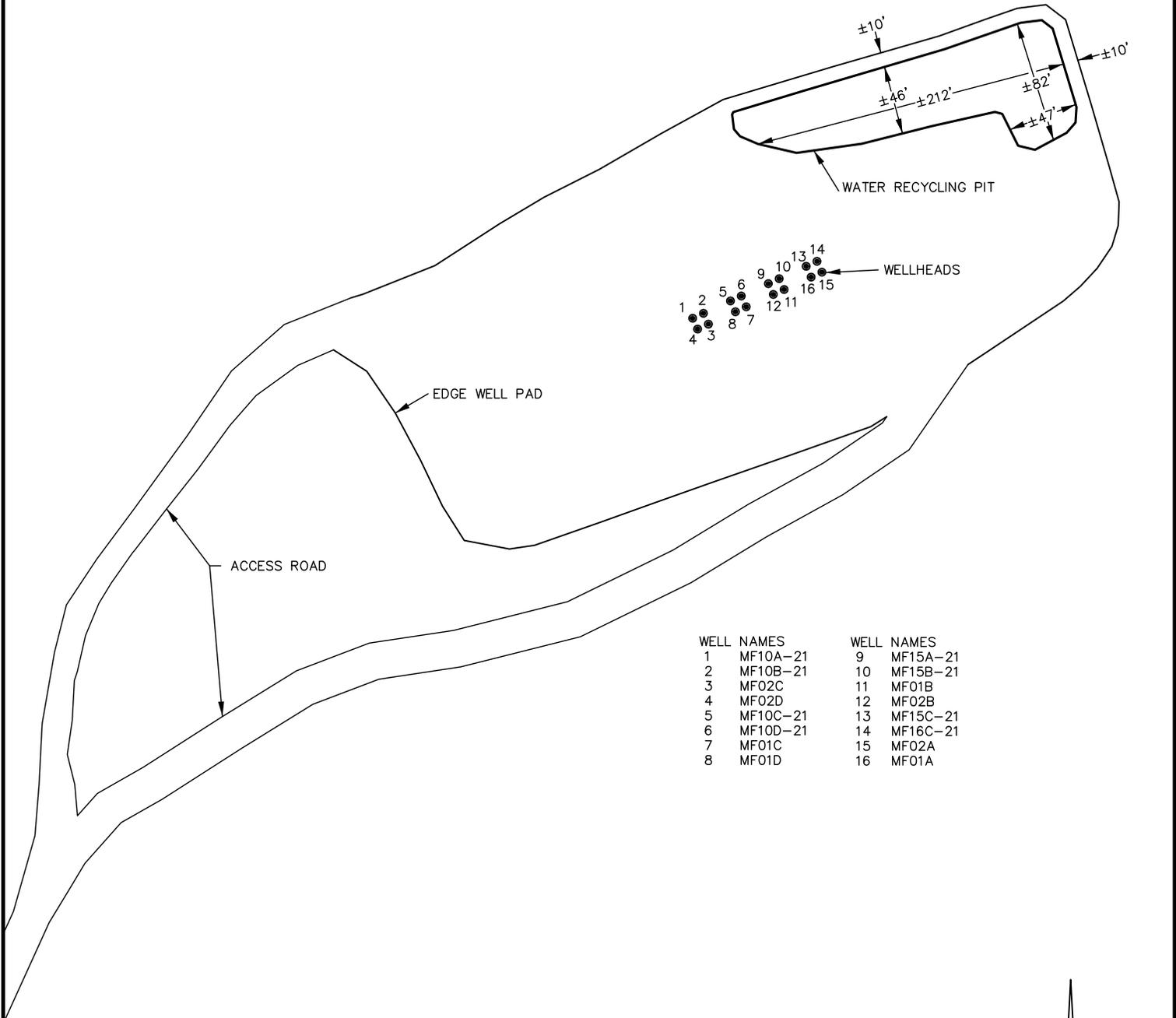
CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 425557

Pit report submitted retroactively to establish pit facility FDH for pit closure purposes.

BELA Supervisor

ENCANA OIL & GAS (USA) INC.
 NORTH PARACHUTE RANCH RECYCLING WATER PROGRAM
 MF C28 696 WELL PAD
 S28 T6S R96W

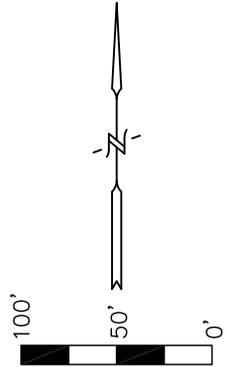


WELL NAMES		WELL NAMES	
1	MF10A-21	9	MF15A-21
2	MF10B-21	10	MF15B-21
3	MF02C	11	MF01B
4	MF02D	12	MF02B
5	MF10C-21	13	MF15C-21
6	MF10D-21	14	MF16C-21
7	MF01C	15	MF02A
8	MF01D	16	MF01A

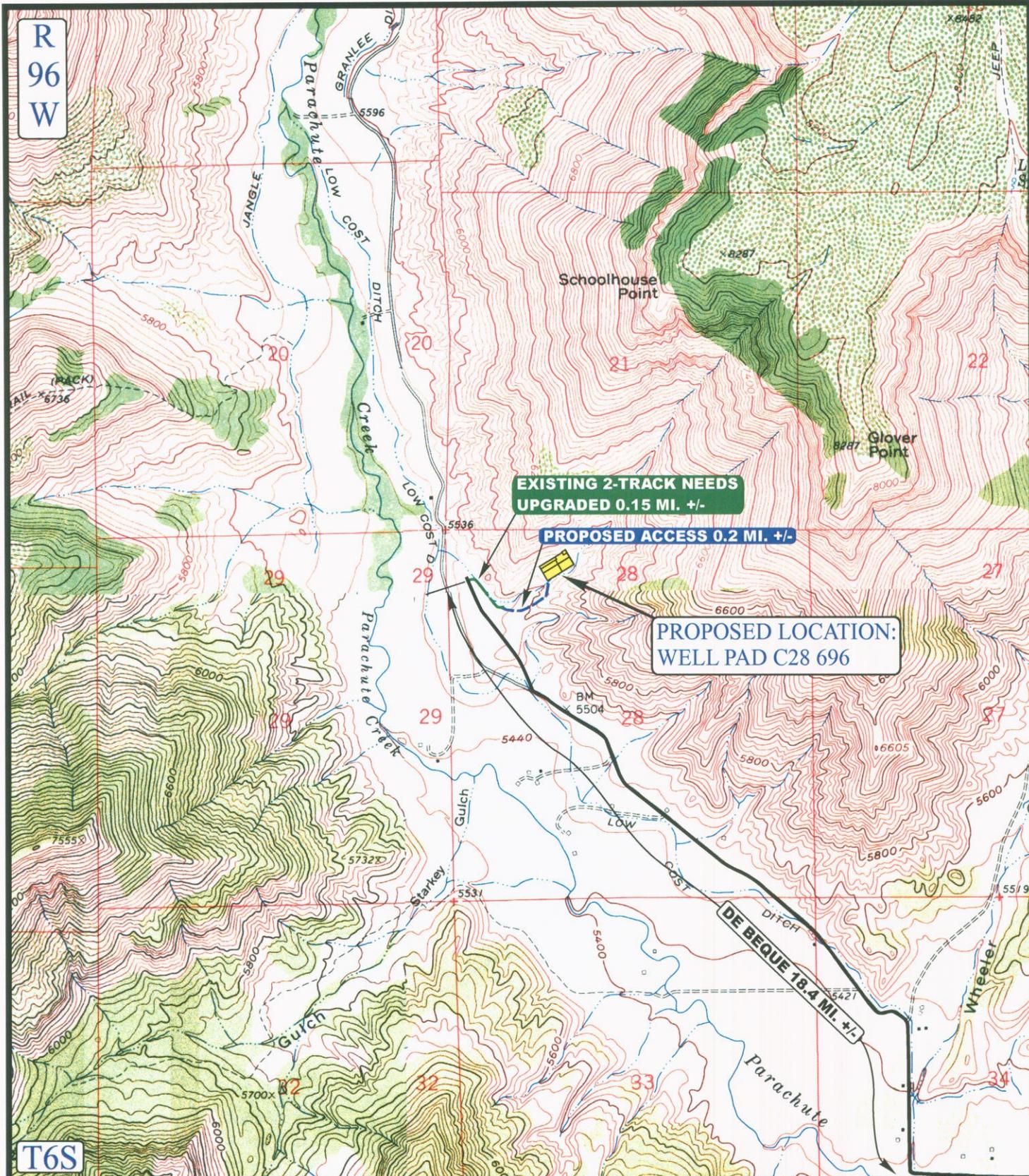
GENERAL NOTE:

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.

Date: 9-11-08
 Drawn By: JEV



R
96
W



T6S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



EnCana OIL & GAS (USA) INC.

WELL PAD C28 696

SECTION 28, T6S, R96W, 6th P.M.

NE 1/4 NW 1/4 (Lot 3)



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

**TOPOGRAPHIC
MAP**

9	29	06
MONTH	DAY	YEAR

SCALE: 1" = 2000'

DRAWN BY: J.L.G.

REVISED: 00-00-00



FORM 15 (Earthen Pit Report/Permit) Narrative Attachment

MF C28 696 Pad – 335200(Location ID)

Document Date – 09/06/2011

This pit report was prepared in support of closure activities on historic and unpermitted pit on the MF C28 696 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.