

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

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.

FORM SUBMITTED FOR:

☒ Pit Report

☐ Pit Permit

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:

Complete the
Attachment Checklist

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

API Number (of associated well): 334270(Location ID) OGCC Facility ID (of other associated facility):
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSE Sec. 25 T7S R93W (J25W)
Latitude: 39.414196 Longitude: 107.720739 County: Garfield
Pit Use: ☒ Production ☐ Drilling (Attach mud program) ☐ Special Purpose (Describe Use):
Pit Type: ☒ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☐ No
Offsite disposal of pit contents: ☐ Injection ☒ Commercial Pit/Facility Name: J25W Pit/Facility No: N/A 25
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: -4065 ground water: -100 water wells: -4440
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: 7
Soils Series Name: Ascalon-Pena Complex 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: ~300 Width: ~90 Depth: ~12
Calculated pit volume (bbls): 48600 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: 9.27.11

OGCC Approved: Carly Higgins

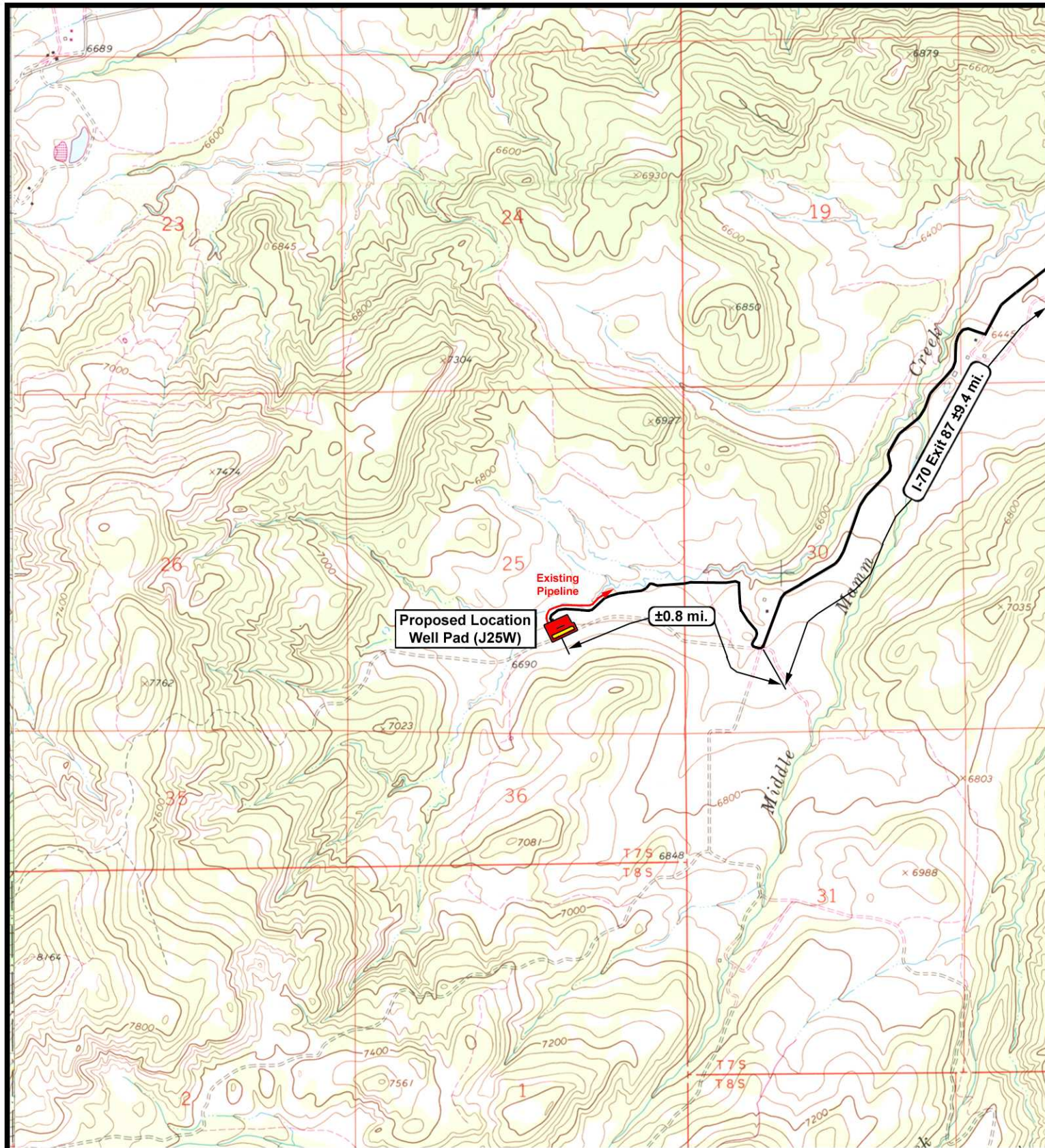
Title: FOR Greg Deranlean Date: 10/05/2011

CONDITIONS OF APPROVAL, IF ANY:

Pit report submitted retroactively to establish pit facility ID# for closure purposes.
Form 27 to be submitted shortly.

FACILITY NUMBER: 425761

OGCC Supervisor



EnCana Oil & Gas Inc.

Well Pad (J25W)
SEC. 25, T7S, R93W, 6th P.M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: bgm
DATE: 09-15-2005

Legend

Roads
 Existing Gas Line

TOPOGRAPHIC MAP

"D"

SHEET

11

OF 11

encana™



0 75 150 Feet

1 inch = 100 feet



J25W Well Pad

Mamm Creek Field

Garfield County, Colorado

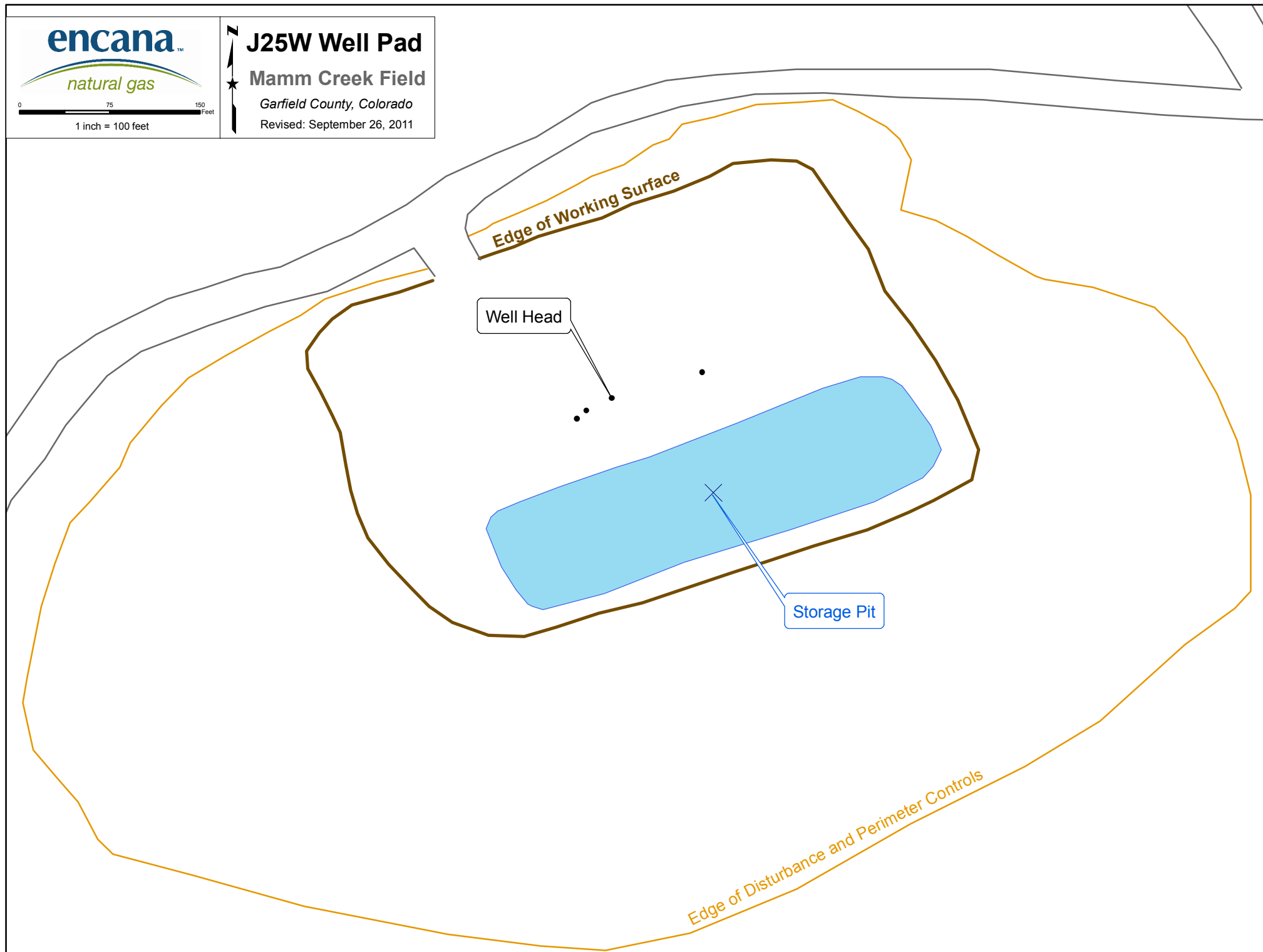
Revised: September 26, 2011

Edge of Working Surface

Well Head

Storage Pit

Edge of Disturbance and Perimeter Controls



FORM 15 (Earthen Pit Report/Permit) Narrative Attachment

SP J25W Pad – 334270(Location ID)

Document Date – 09/23/2011

This pit report was prepared in support of closure activities on historic and unpermitted pit on the SP J25W 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?”

No, based on the distance to surface water and the depth to ground water, this location is not found in a sensitive area.

Description of pit use:

The pit on this well pad provided storage for treated water used in support of hydraulic fracturing operations. The pits were constructed on the cut-slope and were supplied filtered produced water via pipeline from the Benzel Treatment Facility, located in the SWNE of Section 26, T7S, R93W or Hunter Mesa Treatment Facility, located in SESE of Sec. 1 T7S, R93W in Garfield County or transferred from flowback tanks after mechanical settling.