

FORM

15

Rev 6/99



01642052

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

5/16/11

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

Complete the Attachment Checklist

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	<input checked="" type="checkbox"/>	
Design Calculations	<input checked="" type="checkbox"/>	
Sensitive Area Determin.	<input checked="" type="checkbox"/>	
Mud-Program		
Form 2A		

OGCC Operator Number: 96850

Name of Operator: Williams Production RMT

Address: 1058 County Rd 215

City: Parachute State: CO Zip: 81635

Contact Name and Telephone:

Karolina Blaney

No: 970 683 2295

Fax: (970) 285-9573

API Number (of associated well): 05-045-09352

OGCC Facility ID (of other associated facility): 335336 (LOCATION ID)

Pit Location (Qtr Qtr, Sec, Twp, Rng, Meridian): NWNE-34-6S-96W-06M

Latitude: 39.484969

Longitude: -108.093059

County: Garfield

Pit Use: ☐ Production ☐ Drilling (Attach mud program) ☒ Special Purpose (Describe Use): FlarePit Type: ☐ Lined ☒ Unlined Surface Discharge Permit: ☐ Yes ☒ NoOffsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: GM 331-34 Pit/Facility No: _____

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: 694 ground water: 73 water wells: 1462

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 ☐ CRPNon-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: 66

Soils Series Name: Torriorthents Horizon thickness (in inches): A: 0-4 ; B: 4-30 ; C: 30-34

Soils Series Name: Camborthids Horizon thickness (in inches): A: 0-4 ; B: 4-30 ; C: 30-34

Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 10 Width: 10 Depth: 5

Calculated pit volume (bbls): ~50 Daily inflow rate (bbls/day): NA

Daily disposal rates (attach calculations): Evaporation: NA bbls/day Percolation: NA bbls/day

Type of liner material: NA Thickness: NA

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): NA

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: Karolina Blaney

Signed: Karolina Blaney

Title: Environmental Specialist

Date: 5/16/2011

OGCC Approved: [Signature] Title: FOR Greg Desamlean Date: 08/24/2008

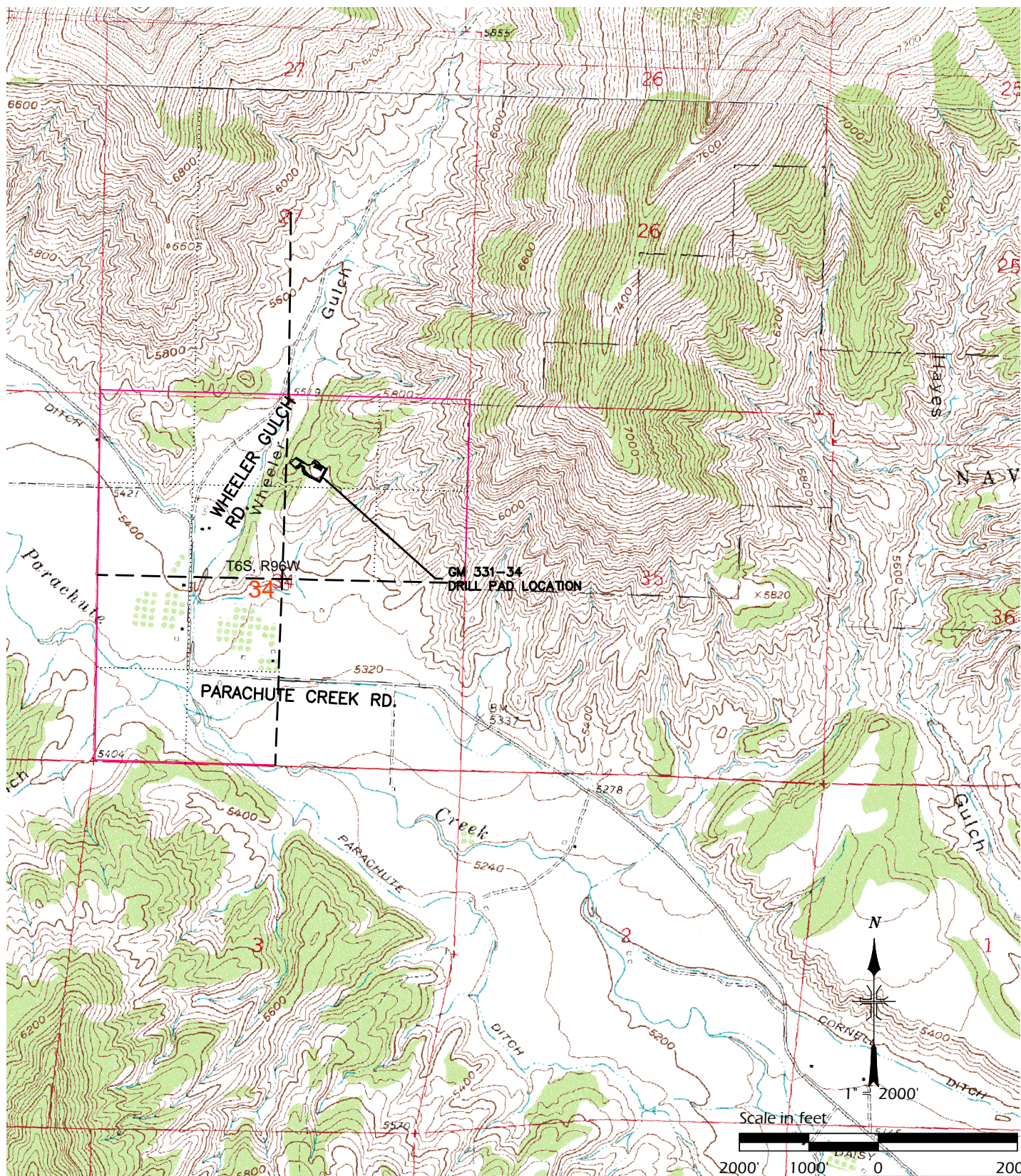
CONDITIONS OF APPROVAL, IF ANY:

OGCC Supervisor

FACILITY NUMBER: 424960

According to operator, this flare pit was never used, and will be closed in accordance with Form 27# 6051

Topo Map with Pit Location



DEL-MONT CONSULTANTS IS PROVIDING GRADING DESIGN FOR THIS PROJECT THAT PROVIDES DIMENSIONS AND VOLUME INFORMATION FOR CONSTRUCTION.



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www.delmont.com • service@delmont.com

DESIGNED BY:

MGW

SCALE:

1"=1200'

CHECKED BY:

KS

FILE NAME:

10030-GM_331-34-SITE



NW NE S34, T6S, R96W, 6TH P.M.
ACCESS ROAD MAP

WELL PAD GM 331-34
GARFIELD COUNTY, CO
WILLIAMS PRODUCTION, RMT

DMC JOB NO.:

10030

DATE ISSUED:

2010-05-17

DATE SURVEYED:

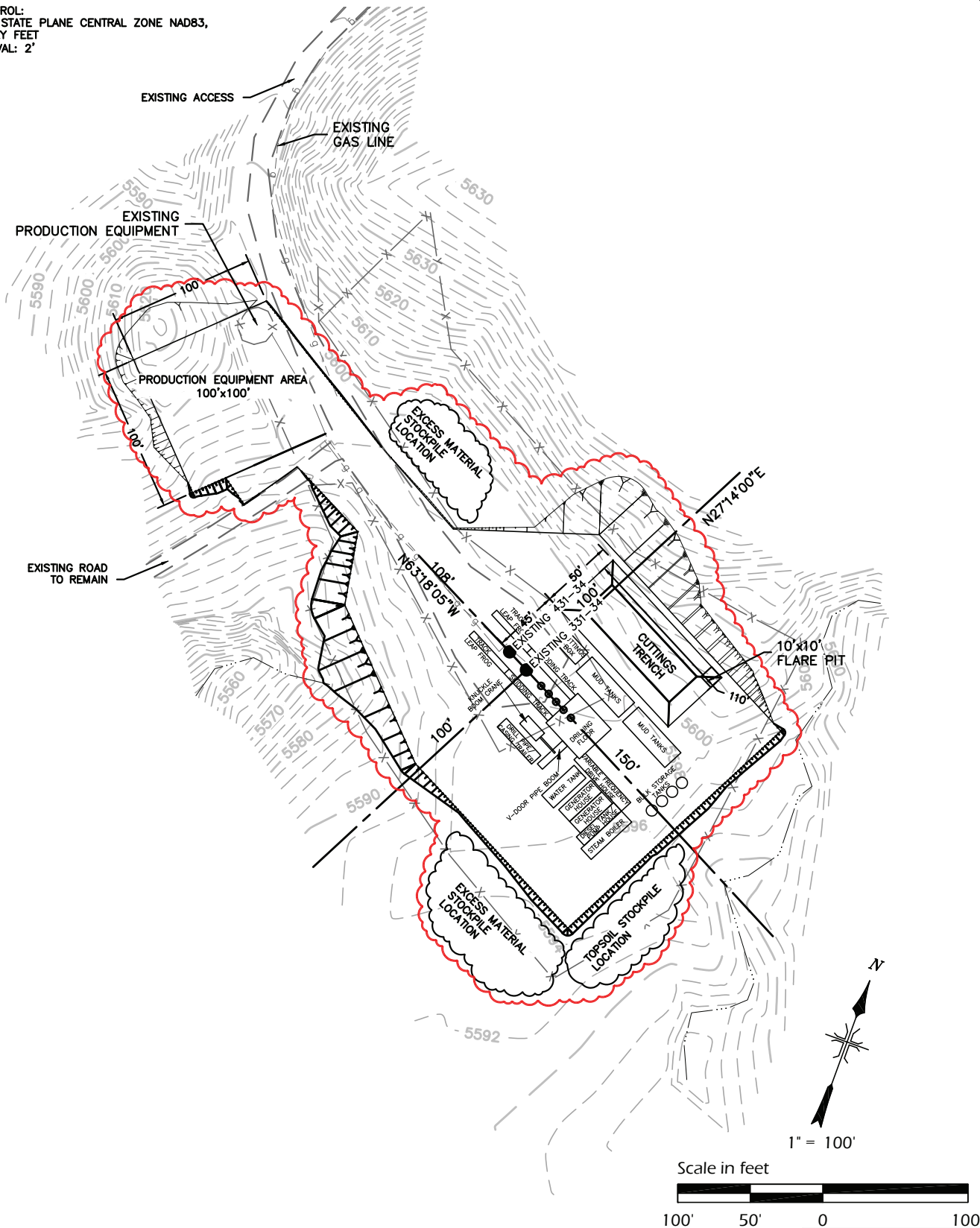
2008-11-19

PLAT:

5 of 9

Detailed Site Plan

ORIGIN OF CONTROL:
 COLORADO STATE PLANE CENTRAL ZONE NAD83,
 U.S. SURVEY FEET
 CONTOUR INTERVAL: 2'



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DESIGNED BY:

MGW

SCALE:

1"=100'

CHECKED BY:

KS

FILE NAME:

10030-GM_331-34-SITE



**NW NE S34, T6S, R96W, 6TH P.M.
 DRILL RIG LAYOUT**

**WELL PAD GM 331-34
 GARFIELD COUNTY, CO
 WILLIAMS PRODUCTION, RMT**

DMC JOB NO.:

10030

DATE ISSUED:

2010-05-17

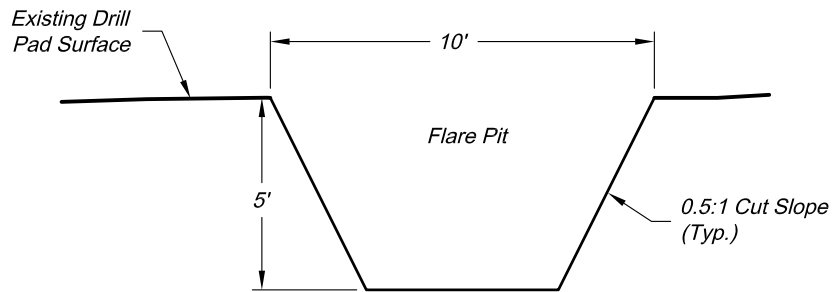
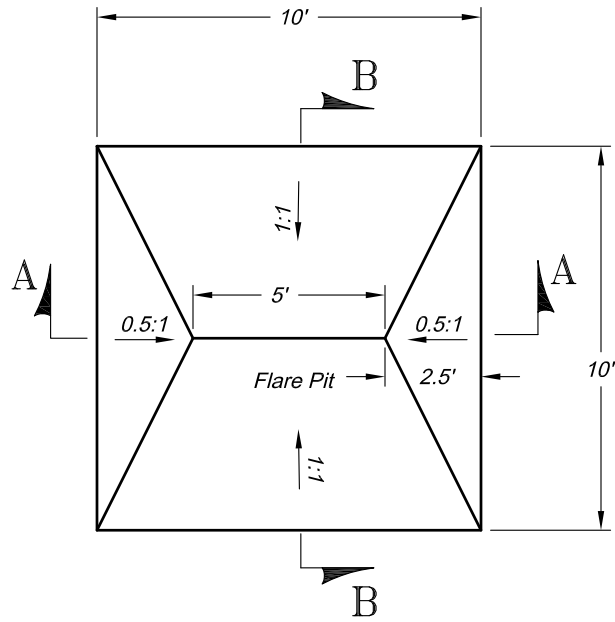
DATE SURVEYED:

2008-11-19

PLAT:

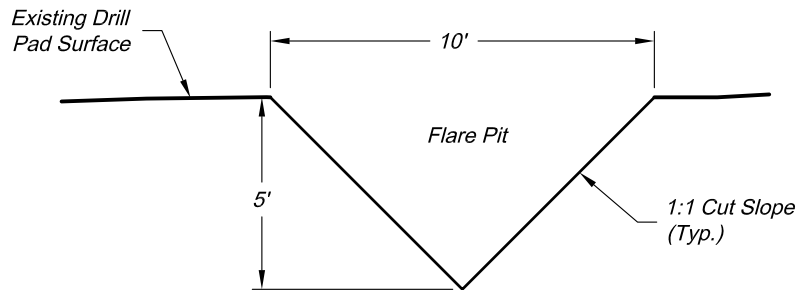
4 of 9

Pit Design/Plan and Cross Section
Design Calculations



Section A

Scale: 1" = 5'



Section B

Scale: 1" = 5'

Total Volume ~ 50bbbls

Revised date: 8/11/09

Construction Plan Prepared for:

Williams Williams Production, RMT

136 East Third Street
Rifle, Colorado 81650
Ph. (970) 625-1330
Fax (970) 625-2773



SCALE: 1" = 5'
DATE: 5/15/09
SHEET: 1 of 1
PROJECT: Williams
DFT: cws

10' x 10' FLARE PIT
WILLIAMS STANDARD DETAIL

Sensitive Area Determination

Sensitive Area Determination Checklist

Williams Production RMT Company – Valley		
Person(s) conducting inspection	Ashlee Lane	5/3/10
Site Information		
Location:	GM 331-34	Time: 1430
Type of Facility:	Existing Well Pad	
Environmental Conditions	Clear and breezy	
Temperature (°F)	60°	

Has the proposed, new or existing location been designated as a sensitive area?

☐ Yes ☒ No

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within ¼ mile of the proposed/new or existing facility?

☒ Yes ☐ No

If yes, list type of surface water feature(s), i.e. rivers, creeks, streams, seeps, springs, wetlands: Wheeler Gulch and one unnamed ephemeral drainage.

If yes, describe location relative to facility: Wheeler Gulch is located 694 feet to the west of the facility and the unnamed ephemeral drainage is approximately 628 southeast of the facility.

2. Could a potential release from the facility reach surface water features?

☐ Yes ☒ No

If yes, describe the pathway a release from the facility would likely follow to determine if the potential to impact surface water is high or low.

3. Is the potential to impact surface water from a facility release high or low?

☐ High ☒ Low

GROUNDWATER

1. Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes?
☒ Yes ☐ No
If yes, List the pit type(s): Drilling Pit and possibly and emergency flare pit.
2. Is the site of the proposed facility underlain by an unconfined aquifer or recharge zone?
☐ Yes ☒ No
3. Is the hydraulic conductivity of the underlying soil or geologic material $\leq 1.0 \times 10^{-7}$ cm/sec?
☐ Yes ☒ No
4. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well which would use the same aquifer?
☐ Yes ☒ No
5. Is the proposed facility located within a 100 year floodplain?
☐ Yes (*Sensitive Area*) ☒ No (*If no, proceed to question #6.*)
6. Is the depth to groundwater known?
☐ Yes (*If yes, follow instructions provided in 5(a) of this section.*)
☒ No (*If no, follow instructions provided in 5(b) of this section.*)
 - (a) If yes, could a potential release from the proposed facility reach groundwater?
☐ Yes ☐ No
If yes, explain:
 - (b) If no:
 - (i) Evaluate surrounding soils, topography, and vegetation which may suggest the presence of shallow groundwater.
 - (ii) Gather information from surrounding well data in order to determine a depth to groundwater, i.e. State Engineers Office.
 - (iii) Drill a soil boring to determine depth to groundwater or
 - (iv) Model hydro geologic conditions to determine if the potential to impact groundwater is high or low.
7. Is the potential to impact ground water from the facility in the event of a release high or low?
☐ High ☒ Low

Additional Comments:

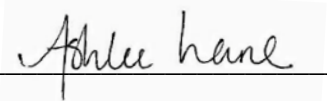
Although Wheeler Gulch is 694 feet west of the facility, it is not likely that a release would reach Wheeler Gulch. The facility is situated on the east side of a hill east of Wheeler Gulch. If a release were to migrate off of the existing facility, it would tend to travel the existing contour of the area which is to the southwest. There is a small unnamed ephemeral drainage on the south east side of the facility that carries storm water from the cliffs above during precipitation events. It is recommended that Best Management Practices (BMPs) in the form of a containment berm and straw bale barrier be installed around the southwest, southeast boundaries of the facility in order to mitigate the potential for a release, if it were to migrate off of the facility, from impacting the unnamed ephemeral drainage.. All Best Management Practices (BMPs) should be maintained during drilling and completion activities to ensure site containment and prevent potential releases from migrating into or close to Wheeler Gulch.

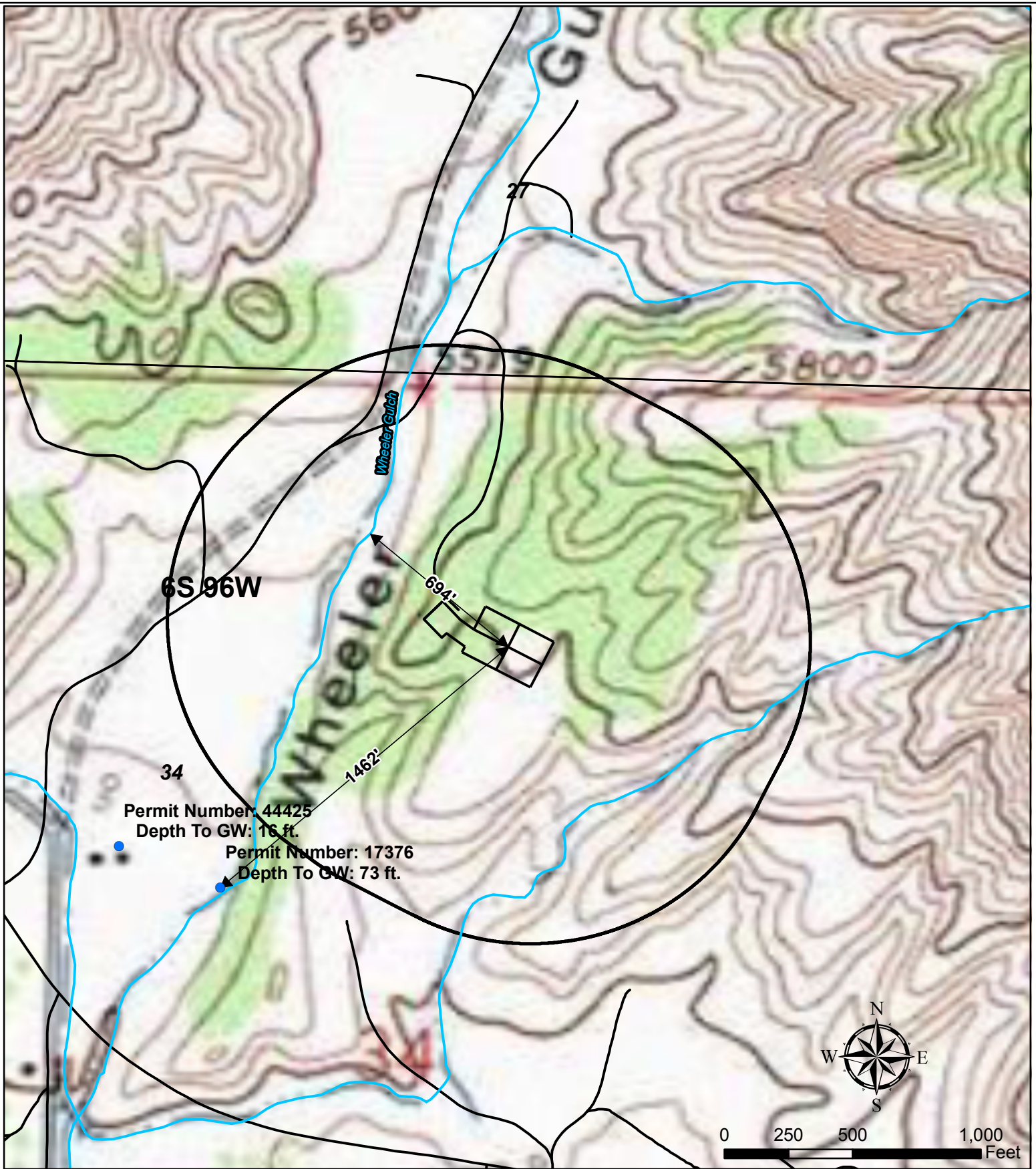
The nearest known water well identified by the State Engineer's Office is located 1,462 feet, southwest of the facility with a known depth of 73 feet. This well is located near Wheeler Gulch. Within the immediate vicinity of the facility, no indicators of shallow ground water were present. It is not anticipated that shallow groundwater is present on top of this hill where the facility resides.

It should be noted that Wheeler Gulch has a spill prevention system that has been installed to aid in mitigating any potential releases to live water. All personnel working on the facility should know where the spill prevention devices are located and trained in the operation of these devices in the event of a potential release.

Due to the topography and geology surrounding the facility and the potential lack of shallow ground water, this facility can be classified as being in a non-sensitive area.

Inspector Signature(s):  Date: 6/29/2010

 Date: 6/11/2010



Legend

- Water Well
- Pad
- Stream
- 1000' Buffer

Williams Production RMT

Plat 5C

GM 331-34 Hydrology Map
T6S R96W, Section 34

