

State of Colorado
Oil and Gas Conservation Commission



1120 Lincoln Street, Suite #01, Denver, Colorado #0203 (303)#94-2100 Fax:(303)#94-2109

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.

Complete the Attachment Checklist

FORM SUBMITTED FOR:

Pit Report Pit Permit

Oper OGCC

Detailed Site Plan	x	
Topo Map w/ Pit Location	x	
Water Analysis (Form 25)		
Source Wells (Form 26)		
Pit Design/Plan & Cross Sec	x	
Design Calculations	x	
Sensitive Area Determ.	x	
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): 0504508059 OGCC Facility ID (of other associated facility): _____
 Pit Location (Qtr Qtr, Sec, Twp, Rng, Meridian): SWNE- 27-6S-96W-W 06M
 Latitude: 39.49576 Longitude: -108.09146 County: Garfield
 Pit Use: Production Drilling (Attach mud program) Special Purpose (Describe Use): Flare Pit
 Pit Type: Lined Unlined Surface Discharge Permit: Yes No
 Offsite disposal of pit contents: Injection Commercial Pit/Facility Name: GM 32-27 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: 365 ground water: 16 water wells: 5135
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: 9
 Soils Series Name: Badland Horizon thickness (in inches): A: 0-60 ; 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: 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

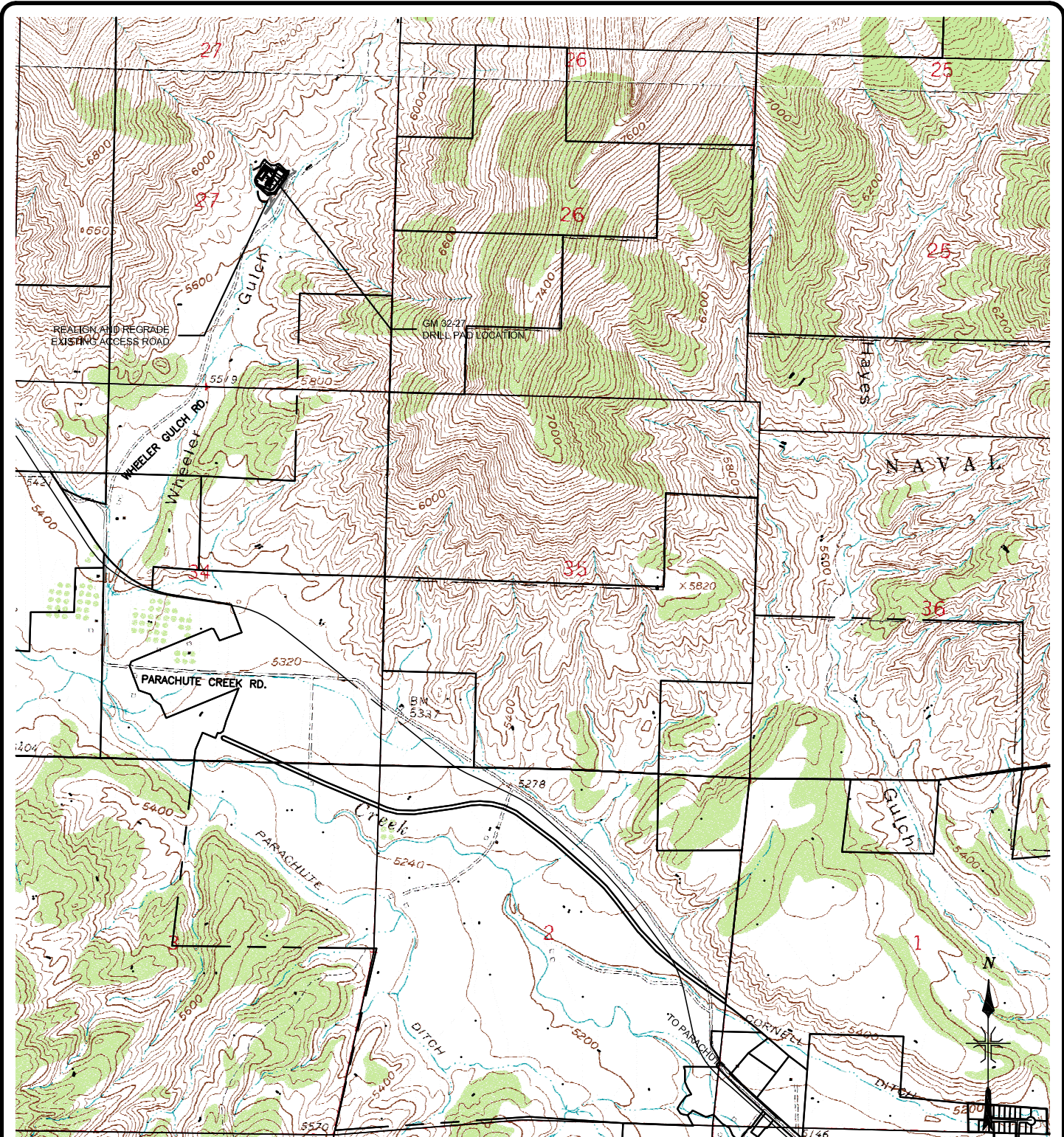
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Print Name: Karolina Blaney Signed: Karolina Blaney
 Title: Environmental Specialist Date: 8/18/2010

OGCC Approved: _____ Title: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

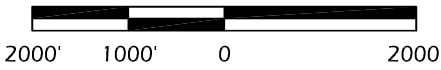
Topo Map with Pit Location



ACCESS DESCRIPTION
 FROM THE TOWN OF PARACHUTE PROCEED NORTHWESTERLY ALONG
 PARACHUTE CREEK RD ±3.3 MILES TO THE INTERSECTION WITH
 WHEELER GULCH ROAD. TURN RIGHT ON WHEELER GULCH ROAD AND
 PROCEED NORTH-NORTHEASTERLY ±1 MILE TO THE GM 32-27 DRILL
 PAD LOCATION ON THE LEFT AS SHOWN HEREON.

1" = 2000'

Scale in feet



DATE REVISED: 2008-12-04

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



DEL-MONT CONSULTANTS, INC.
 ENGINEERING • SURVEYING • PLANNING
 125 Colorado Ave. • Montrose, CO 81401 • (970) 249-2251 • (970) 245-2342 fax
 www.del-mont.com • service@del-mont.com

ACCESS & VICINITY MAP
EXXON-MOBIL GM 32-27

WELL PAD GM 32-27

WILLIAMS PRODUCTION, RMT

DMC JOB NO.: 08112

DATE ISSUED: 2008-11-26

DATE SURVEYED: 2008-10-02

SHEET:

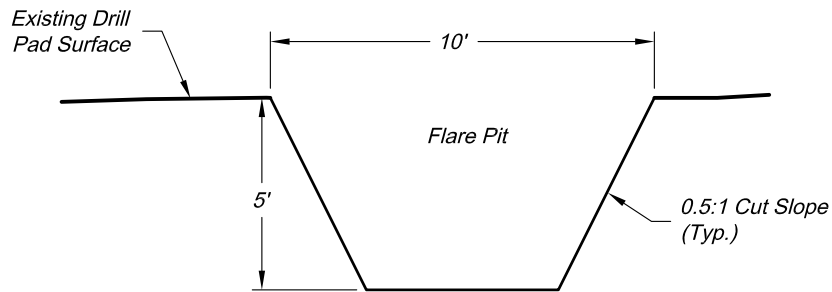
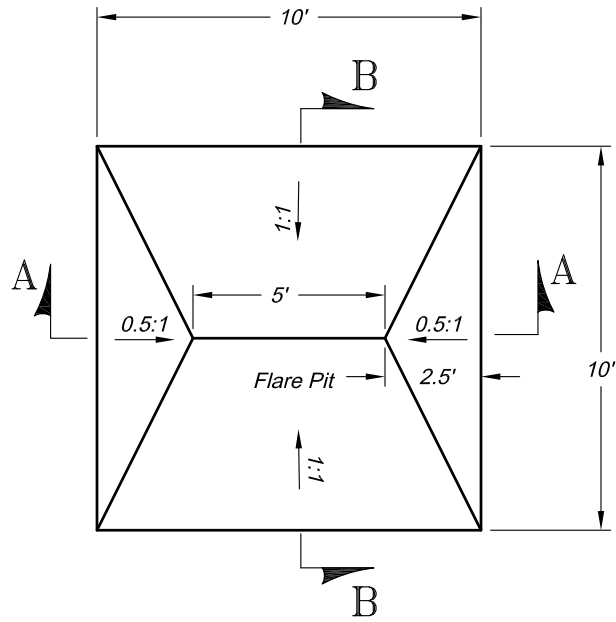
5 of 9

DESIGNED BY:	SCALE:
MGW	1"=2000'
CHECKED BY:	FILE NAME:
SNS	08112C-GM32-27 PAD SITE



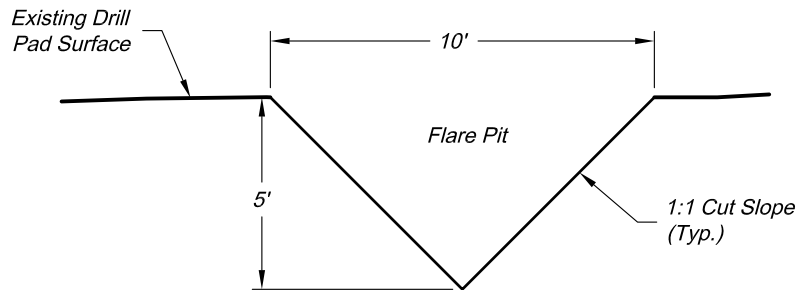
Detailed Site Plan

Pit Design/Plan and Cross Section
Design Calculations



Section A

Scale: 1" = 5'



Section B

Scale: 1" = 5'

Total Volume ~ 50bbls

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 Field Inspection/Date	Ashlee Lane	8/11/10
Site Information		
Location:	GM 32-27	Time: 1100
Type of Facility:	Existing Well Pad	
Environmental Conditions	Clear and calm; soil conditions are dry.	
Temperature (°F)	85°	

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, a perennial stream, and an unnamed ephemeral drainage.

If yes, describe location relative to facility: Wheeler Gulch has been identified 365 feet to the east of the facility and the unnamed ephemeral drainage is located approximately 10 feet from the western edge 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. A potential release, if it were to migrate off the east side of the well pad, would flow towards Wheeler gulch. There would also be a potential for a release to migrate south down the access road and slope to the southwest and enter Wheeler Gulch via road culverts along the Allen Point access road. A potential release would also have the potential to enter the unnamed ephemeral drainage from the northwest corner of the well pad.

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): Cuttings trench and 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.

7. Is the potential to impact ground water from the facility in the event of a release high or low?
 High Low

Additional Comments:

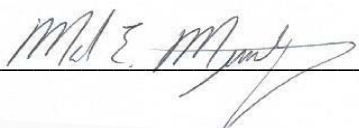
As identified during the site investigation, Wheeler Gulch is approximately 365 feet east of the existing facility. There are Best Management Practices (BMPs) installed on this pad to contain a potential release in the form of a containment berm along the northern, eastern and southern boundaries. However if a release were to travel down the access road to the south it would have the potential to enter Wheeler Gulch. It is recommended that BMPs installed be maintained throughout the life of the well pad. Due to the close proximity of Wheeler Gulch to the existing well pad, the potential to impact surface water has been deemed high.


An unnamed ephemeral drainage runs roughly 10-20 feet west of the well pad. Signs of flow were evident. This drainage should be protected during drilling and completion as it leads to a culvert which drains directly to Wheeler Gulch. This drainage is located on the uphill side of the well pad but swings below the southwest side of the well pad and has the potential to enter Wheeler Gulch near the point of intersection between Allen Point road and the MV 32-27 access road. If a release were to migrate off the facility on the southwestern corner this drainage could potentially be impacted and it leads directly into Wheeler Gulch.

Due to the close proximity of Wheeler Gulch, a perennial stream, the potential for ground water impacts are high as well if a release were to migrate off the east side of the facility. Cottonwoods, Willows, Cat tails and other riparian flora were identified within 300 feet of this well pad to the east. The nearest water well has been identified 5,135 feet to the south west with a known depth of sixteen (16) feet. It is possible that there is a potential to impact ground water. Therefore, the site investigation has identified the potential to impact ground water as high. Consideration should be taken into the possibility of lining the pit due to the pads close proximity to wheeler Gulch and the possibility of shallow groundwater.

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 proposed facility should know where the spill prevention devises are located and trained in the operation of these devises in the event of a potential release.

Due to the close proximity of Wheeler Gulch, the sensitive area determination site investigation has identified this well pad as being in a sensitive area.

Inspector Signature(s):  Date: 08/13/2010

 Date: 08/11/2010



Legend

- Water Well
- Pad
- Stream
- 1000' Buffer
- Existing Road

Williams Production RMT

Plat 5C

GM 32-27 Hydrology Map
T6S R96W, Section 27

