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

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

	Oper	OGCC
Detailed Site Plan	x	
Topo Map w/ Pit Location	x	
Water Analysis (Form 25)	NA	
Source Wells (Form 26)	NA	
Pit Design/Plan & Cross Sect	x	
Design Calculations	x	
Sensitive Area Determ.	x	
Mud Program	NA	
Form 2A	NA	

FORM SUBMITTED FOR:

☐ **Pit Report** ☒ **Pit Permit**

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): 0504517821 OGCC Facility ID (of other associated facility): _____

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE, Sec. 32, T6S, R96W, 6M

Latitude: 39.480603 Longitude: -108.126519 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 343-32 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: 1466 ground water: 25 water wells: 4293

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 form USNRCS survey: Sheet No: _____ Soil Complex/Series No: 66 and 62

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

Soils Series Name: Rock outcrop-Torriorthents complex Horizon thickness (in inches): A: 0-60 ; 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

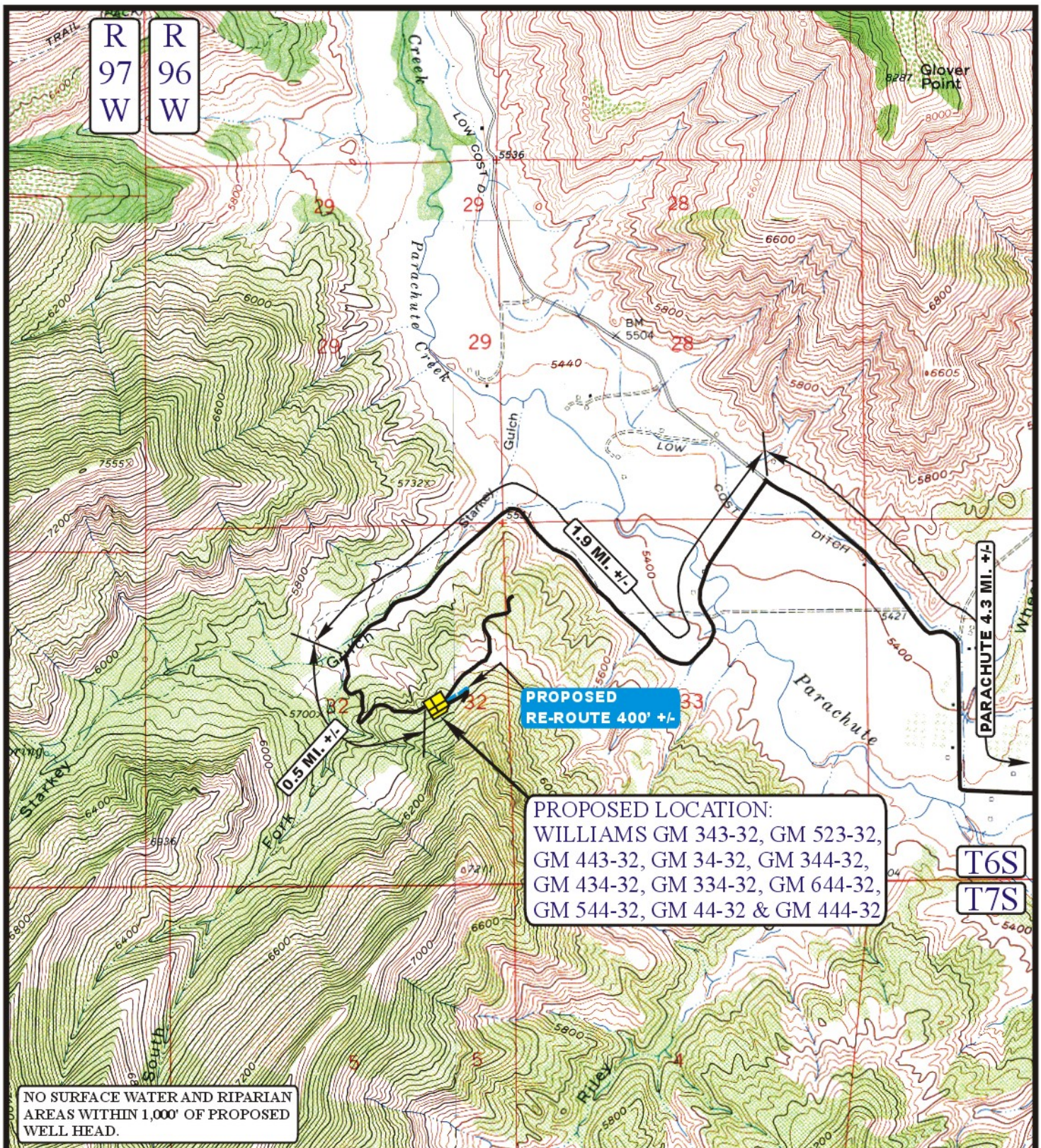
OGCC Approved: Chris Canfield, P.G. Title: _____ Date: _____

Digitally signed by Chris Canfield, P.G.
DN: cn=Chris Canfield, P.G., o=COGCC, ou=EPS - NW Region, email=chris.canfield@state.co.us, c=US
Date: 2010.08.27 13:41:15 -06'00'

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

Topo Map with Pit Location



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

WILLIAMS PRODUCTION RMT COMPANY

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

TOPOGRAPHIC MAP	8 MONTH	27 DAY	08 YEAR	5 FIGURE
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 3-18-09		

Detailed Site Plan

WILLIAMS PRODUCTION RMT COMPANY

LOCATION LAYOUT FOR

SCALE: 1" = 60'
DATE: 05-08-08
Drawn By: D.R.B.
Revised: 08-20-08 D.R.B.
Revised: 12-10-08 D.R.B.
Revised: 12-15-08 D.R.B.
Revised: 01-22-09 D.R.B.
Revised: 03-17-09 D.R.B.
Revised: 03-23-09 D.R.B.

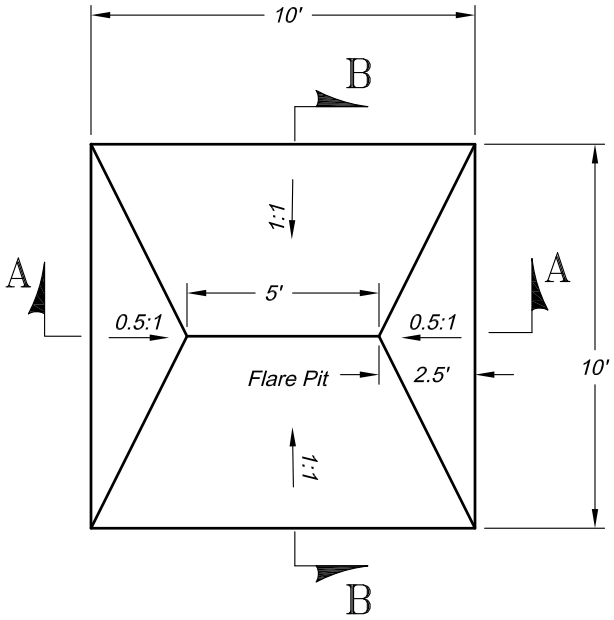
FIGURE #2

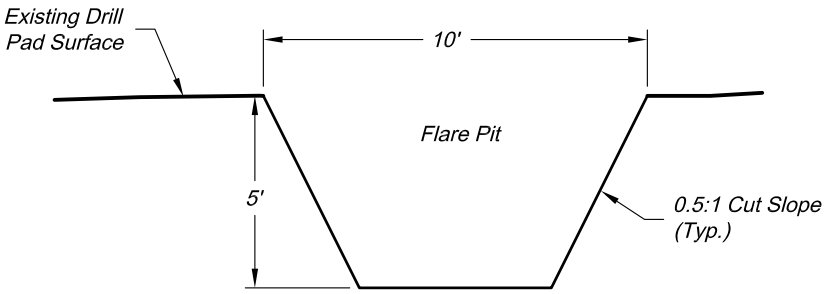
Elev. Ungraded Ground at #343-32 Location Stake = 5946.1'
Elev. Graded Ground at #343-32 Location Stake = 5947.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Pit Design/Plan and Cross Section

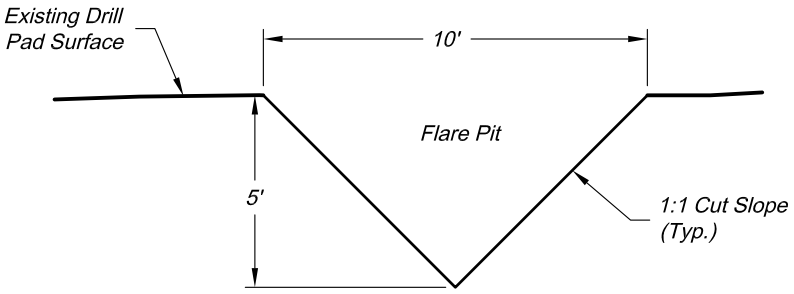
Design Calculations





Section A

Scale: 1" = 5'



Section B

Scale: 1" = 5'

Total Volume ~ 50bbls

Revised date:8/11/09

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

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

Construction Plan Prepared for:

Williams Production, RMT

10' x 10' FLARE PIT

WILLIAMS STANDARD DETAIL

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Sensitive Area Determination

Sensitive Area Determination Checklist

Williams Production RMT Company – Valley			
Person(s) conducting field inspection		Ashlee Lane	Date: 8/12/10
Site Information			
Location:	GM 343-32		Time: 10:00
Type of Facility:	Existing Well Pad		
Environmental Conditions	Clear and calm; ground slightly saturated from precipitation event.		
Temperature (°F)	65°		

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:

   If yes, describe location relative to 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): Cuttings Trench

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:

The existing facility is constructed into the mountain side on the south side of Starkey Gulch with its cut slope being to the southeast. There are currently Best Management Practices (BMPs) in the form of a containment berm along the northern, eastern and western boundaries of the existing facility. A thick vegetative cover is also present off the facility on these three sides as well. The vegetative cover consists primarily of Piñon/Juniper woodland and oak brush. The closest surface water has been identified as South Fork Starkey Gulch. It is located 1,466 feet west of the well pad. It is not anticipated that a release off of the well pad would have the likelihood of reaching this surface water due to the topographical setting of the pad and the thick vegetative cover present.

There were no field indicators of shallow ground water in the immediate vicinity of the well pad. The nearest water well data from the State Engineer's Office indicated a domestic well 4,293 feet to the north with a depth to groundwater of twenty five (25) feet. This well however resides in the Parachute Valley alluvium while the existing facility is constructed into unweathered bedrock (Wasatch Fm.) and the likely hood of shallow groundwater, if present at all, is very low.

Due to the findings indicated during the field investigation and other data collected, the GM 343-32 can be considered as being in a non-sensitive area.

Inspector Signature(s): _____ Date: _8/14/2010

Mark E. Mumby, *Project Manager/Geologist*
HRL Compliance Solutions, Inc.

_____ Date: _8/12/2010

Ashlee V. Lane, *Biologist*
HRL Compliance Solutions, Inc.

Legend

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

Williams Production RMT

Plat 5C

GM 343-32 Hydrology Map
T6S R96W, Section 32

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