FORM 15 Rev 6/99

01642050

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
5/26/11

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.

Complete the Attachment Checklist

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

FORM SUBMITTED FOR:

[x] **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 (if associated well): 05-045-14034 OGCC Facility ID (if other associated facility): 335853 (LOCATION ID)
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SENW- 14-6S-94W-6M
Latitude: 39.527489 Longitude: -107.856794 (COORDS ARE WELL HEAD) County: Garfield

Pit Use: [ ] Production [ ] Drilling (Attach mud program) [x] Special Purpose (Describe Use): Flare
Pit Type: [ ] Lined [x] Unlined Surface Discharge Permit: [ ] Yes [x] No
Offsite disposal of pit contents: [ ] Injection [ ] Commercial Pit/Facility Name: RWF 22-14 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 [x] No **Attach data used for determination.**
Distance (in feet) to nearest surface water: 488 ground water: 43 water wells: 2942

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: [x] 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: 56
Soils Series Name: Potts Horizon thickness (in inches): A: 0-4 ; B: 4-28 ; C: 28-60
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 [x] No Is pit netted? [ ] Yes [x] 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: 5/26/2011

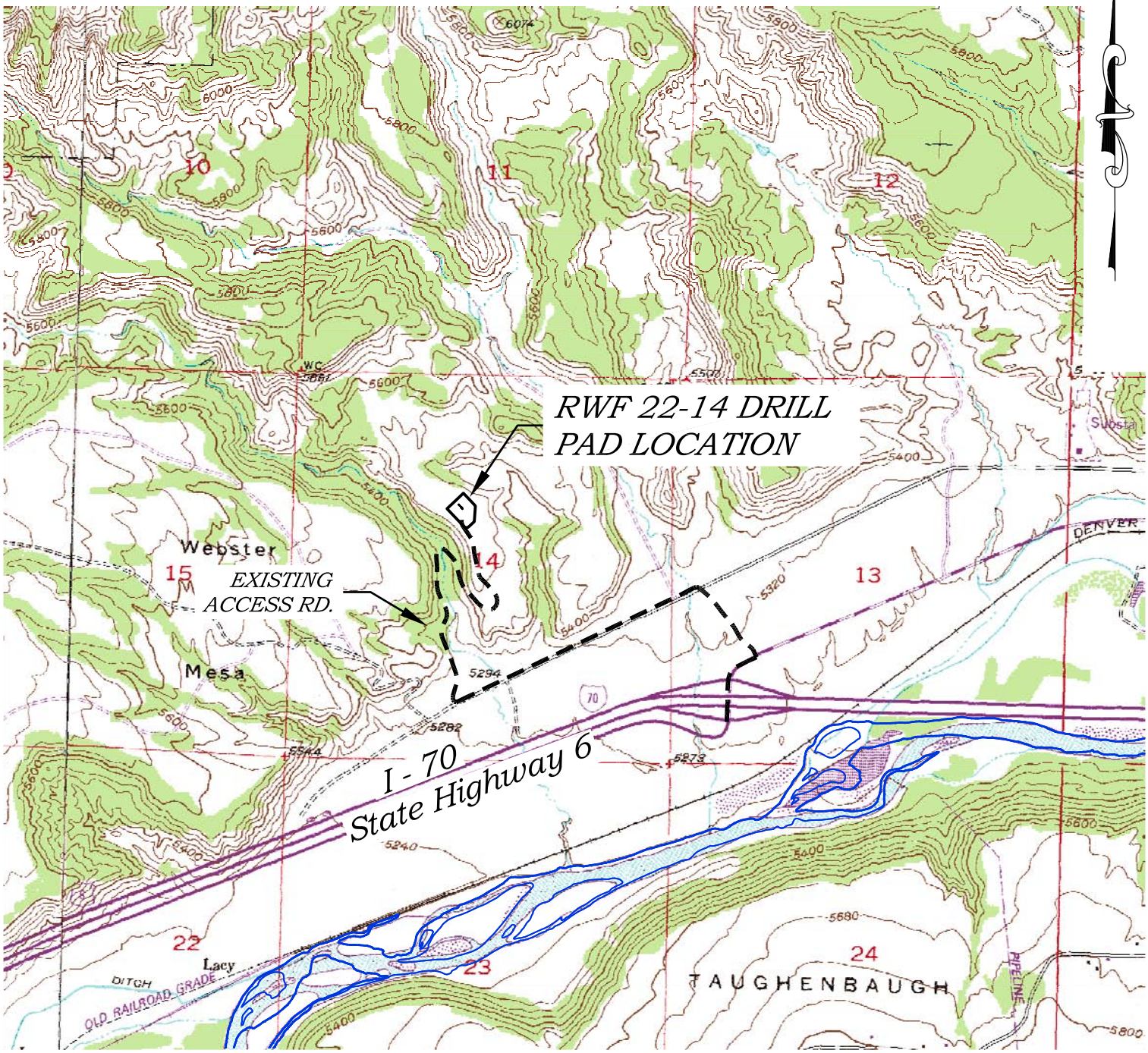
OGCC Approved: Title: Date: 08/24/2011
CONDITIONS OF APPROVAL, IF ANY: FOR Greg Deranleau OGLA Supervisor

FACILITY NUMBER: 424958

According to operator, this flare pit was never used, and will be closed in accordance with Form 27 # 6046

Topo Map with Pit Location

Section 14
T. 6 S., R 94 W



1000 0 2000

GRAPHIC SCALE IN FEET
1 INCH = 2000 FEET

ACCESS DESCRIPTION:
FROM THE EAST BOUND I-70 WEST RIFLE OFF RAMP AT STATE HIGHWAY 6 PROCEED LEFT ALONG STATE HIGHWAY 6 IN A NORTHERLY TO EASTERLY DIRECTION ±0.2 MILES TO THE INTERSECTION WITH A DIRT/GRAVEL ROAD, PROCEED LEFT IN A NORTHWESTERLY DIRECTION ±0.2 MILES TO THE INTERSECTION WITH A DIRT/GRAVEL ROAD, PROCEED LEFT IN A SOUTHWESTERLY DIRECTION ±0.7 MILES TO THE INTERSECTION WITH A DIRT/GRAVEL ROAD, PROCEED RIGHT IN A NORTHERLY DIRECTION ±0.9 MILES TO THE RWF 22-14 DRILL PAD LOCATION, AS SHOWN HEREON.

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

BOOKCLIFF Survey Services, Inc.

SCALE:	1" = 2000'
DATE:	8/19/10
PLAT:	5 of 9
PROJECT:	Williams Valley
DFT:	DPM

Construction Plan Prepared for:
Williams Production, RMT

RWF 22-14 Drill Pad - Plat 5
ACCESS ROAD MAP

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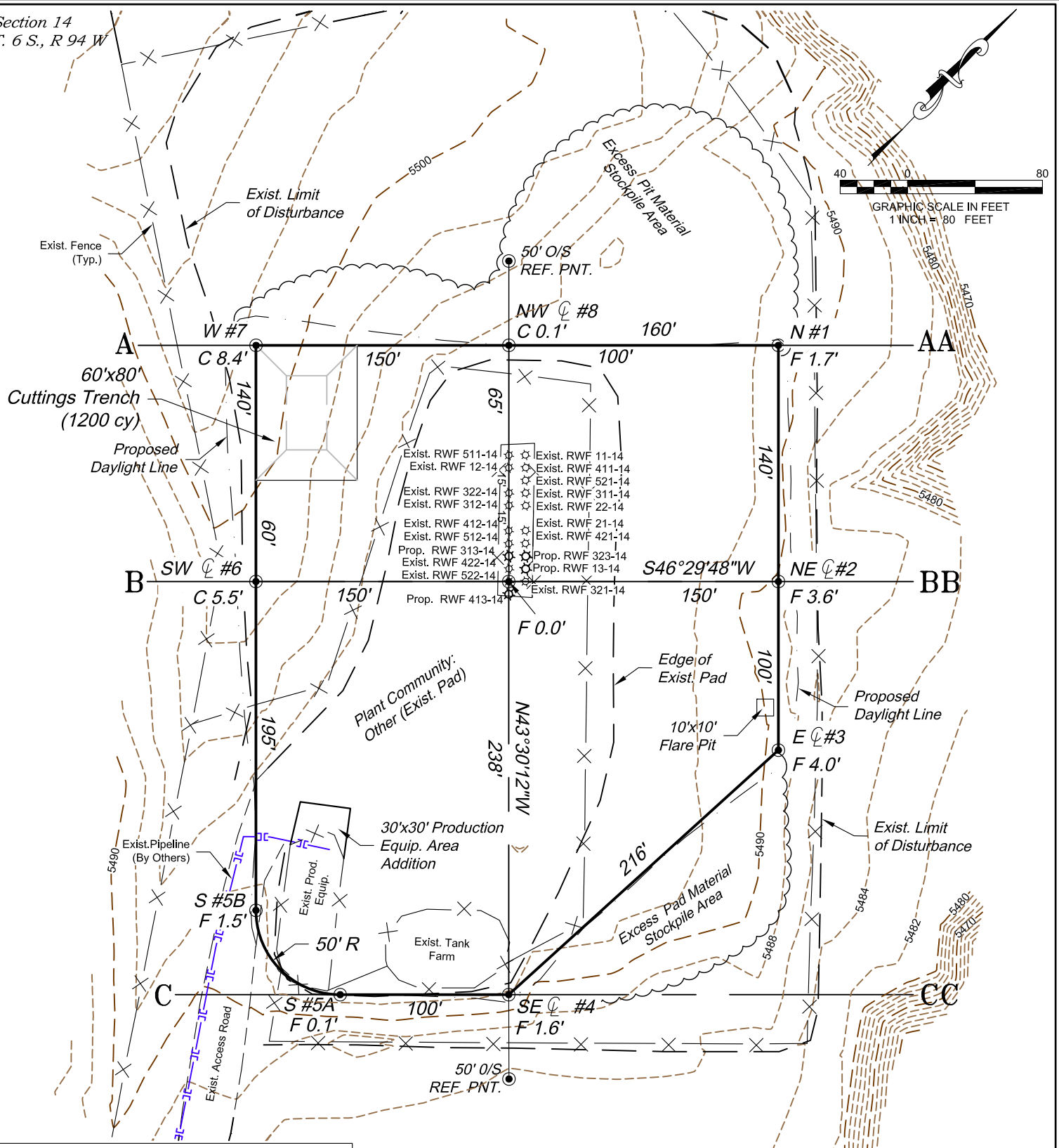
Detailed Site Plan



ESTIMATED EARTHWORK QUANTITIES (cy)				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	3099	1571	0	1528
PIT	1200			1200
TOTALS	4299	1571	0	2728

*NOTE:
1.) Total Disturbed Area = 3.91 ac.

REVISED: 9/23/10

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

BOOKCLIFF Survey Services, Inc.

SCALE: 1" = 80'
DATE: 8/17/10
PLAT: 2 of 9
PROJECT: Williams Valley
DFT: cws

Construction Plan Prepared for:
Williams Production, RMT

RWF 22-14 Drill Pad - Plat 2
CONSTRUCTION LAYOUT

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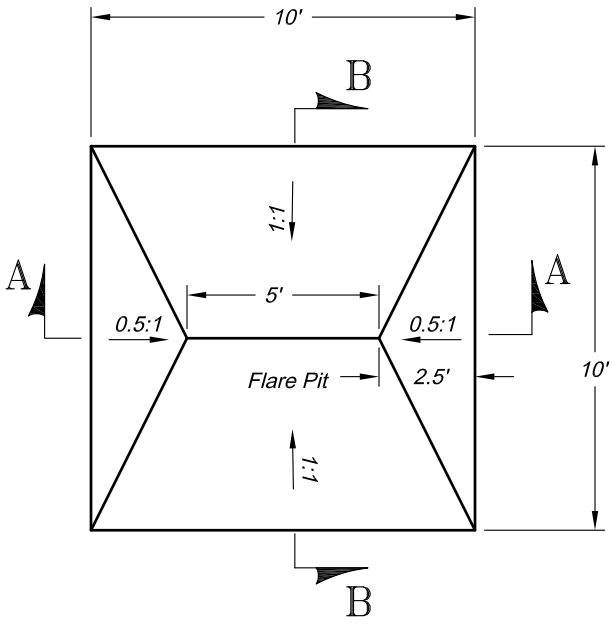
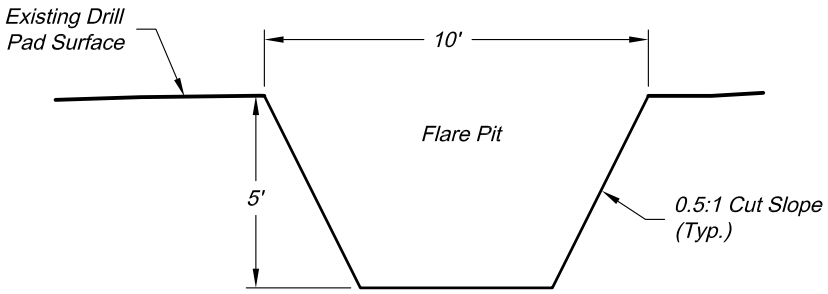
Pit Design/Plan and Cross Section

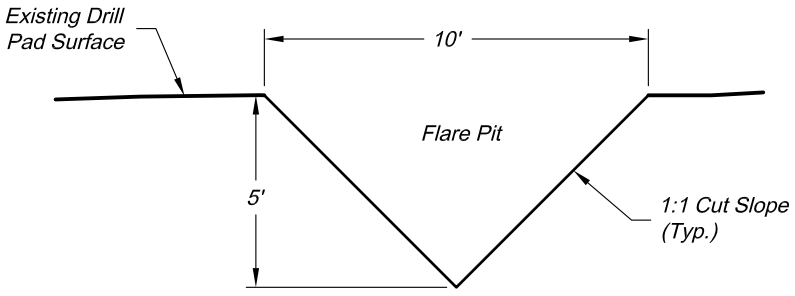
Design Calculations





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			
Person(s) Conducting Field Inspection		Ashlee Lane	9/17/10
		Biologist	
Site Information			
Location:	RWF 22-14		Time: 1500
Type of Facility:	Existing Well Pad		
Environmental Conditions	Clear and calm.		
Temperature (°F)	90°		

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: Two unnamed ephemeral drainages both tributary to the Colorado River.

   If yes, describe location relative to facility: One unnamed ephemeral drainage is located 488 feet to the west and the other ephemeral drainage is located 250 feet to the northeast of the existing 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. If a release were to migrate off the northeastern, southwestern and southeastern edges of the facility, flow would be towards the unnamed ephemeral drainages.

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.

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 $\leq 1.0x10^{-7}$ 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 6(a) of this section).*
   ☒ No (*If no, follow instructions provided in 6(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 stated in the surface water section of this Sensitive area determination both of the unnamed ephemeral drainages lie within 500 feet of the existing facility. By COGCC decision this would place the facility in a sensitive area. However the facility, as it is currently constructed, would not impact the drainage to the southwest due to the fact the southwestern edge of the facility is the cut slope portion of the location. The greatest potential for surface water impacts would be to the unnamed ephemeral drainage northeast of the facility. If a release were to migrate off the facility on the northeastern and southeastern edges of the facility, it would run down the hillside to the southeast towards the unnamed ephemeral drainage east of the facility. Flow would be impeded to some degree by the vegetative cover and to a greater degree by the moderate to high infiltration rates of the underlying soil. It is recommended, when the pad is expanded, that Best Management Practices (BMPs) be installed around the southeastern and northeastern edges of the facility boundaries in the form of a perimeter containment berm and diversion ditch. It would also be recommended that some separation between the hillside and the southwestern edge of the facility be left during facility expansion to ensure that a release could not migrate off the southwestern edge of the facility and impact the ephemeral drainage to the southwest. With construction of the above mentioned BMPs, the relatively thick vegetative cover, and the moderate to high infiltration rates of the underlying soil, the potential to impact the drainage to the northeast and east of the facility would be deemed low.

The State Engineers office and USGS records were reviewed and no records were revealed that would provide additional information pertaining to the depth to groundwater. The vegetative cover in the immediate vicinity of the facility, sage brush and pinion juniper woodland does not suggest the presence of shallow groundwater. In addition, the topographical setting of the facility (flat top mesa) would not suggest the presence of shallow groundwater as well.

Based on the information collected during the site investigation and desktop review, the potential to impact both surface water and groundwater would be low. Based on these conditions the facility should be designated as being in a non-sensitive area.

Inspector Signature(s): _____ Date: 9/21/2010

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

_____ Date: 9/20/2010

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

Legend

- Water Well
- Pad
- 1000' Buffer

Williams Production RMT

Plat 5C

RWF 22-14 Hydrology Map
T6S R94W, Section 14

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