

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 301, 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: 96850

Name of Operator: Williams Production RMT

Address: 1058 County Rd 215

City: Perachute State: CO Zip: 81635

Contact Name and Telephone:

Karolina Blaney

No: 970 683-2295

Fax: (970) 285-9573

Complete the
Attachment Checklist

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

API Number (of associated well): 045-17913 OGCC Facility ID (of other associated facility): 235 207

Pit Location (Qtr Qtr, Sec, Twp, Rng, Meridian): SESW S16 T6S R91W 6TH

Latitude: 39.522554 Longitude: -107.561586 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: KP 24-16 Pit/Facility No:

Attach Form 26 to identify Source Wells and Form 26 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: 2835 ground water: 85 water wells: 3767

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: NA Soil Complex/Series No: 71

Soils Series Name: Villa Grove Horizon thickness (in inches): A: 0-4 ; B: 4-15 ; C: 15-60

Soils Series Name: Zoltay Horizon thickness (in inches): A: 0-19 ; B: 19-23 ; C: 23-36

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:

Title: Environmental Specialist

Date: 2/9/10

Karolina Blaney

OGCC Approved: *Andy Bujan* Title: Env. Supervisor Date: 04/06/2011

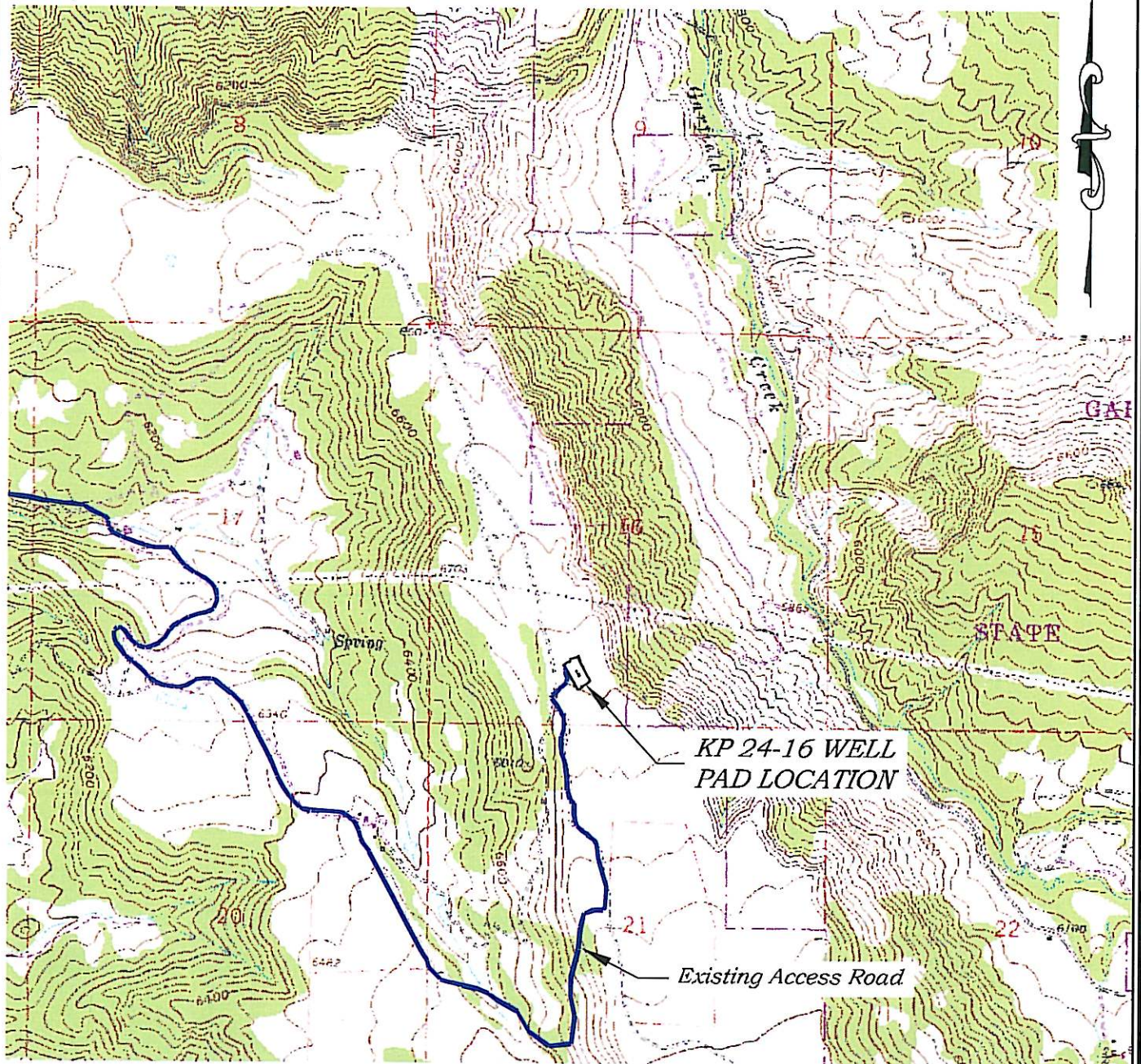
CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 422638

For A Fischer

Topo Map with Pit Location

Section 16
T. 6 S., R. 91 W.



ACCESS DESCRIPTION:

FROM THE INTERSECTION OF COLORADO INTERSTATE 70 OVERPASS (Exit 97) AND RIVER FRONTAGE ROAD SOUTH OF SILT, COLORADO, PROCEED EAST ± 0.4 MILES ALONG RIVER FRONTAGE ROAD TO THE INTERSECTION WITH COUNTY ROAD 311 (DIVIDE CREEK ROAD), PROCEED RIGHT IN A SOUTHERLY TO EASTERLY DIRECTION ± 2.0 MILES TO A 'Y' INTERSECTION WITH COUNTY ROAD 335, PROCEED LEFT IN AN EASTERLY DIRECTION ALONG COUNTY ROAD 335 ± 1.1 MILES TO THE INTERSECTION WITH A DIRT GRAVEL ROAD, PROCEED RIGHT IN A SOUTHEASTERLY DIRECTION ± 5.1 MILES TO THE EXISTING KP 24-16 DRILL PAD LOCATION, AS SHOWN HEREON.

REVISED: 12/9/09

Construction Plan Prepared for:



Williams Production, RMT

SCALE: 1" = 2000'
DATE: 6/26/09
PLAT: 5 of 9
PROJECT: Williams
DFT: cws

**KP 24-16 Drill Pad - Plat 5
ACCESS ROAD MAP**

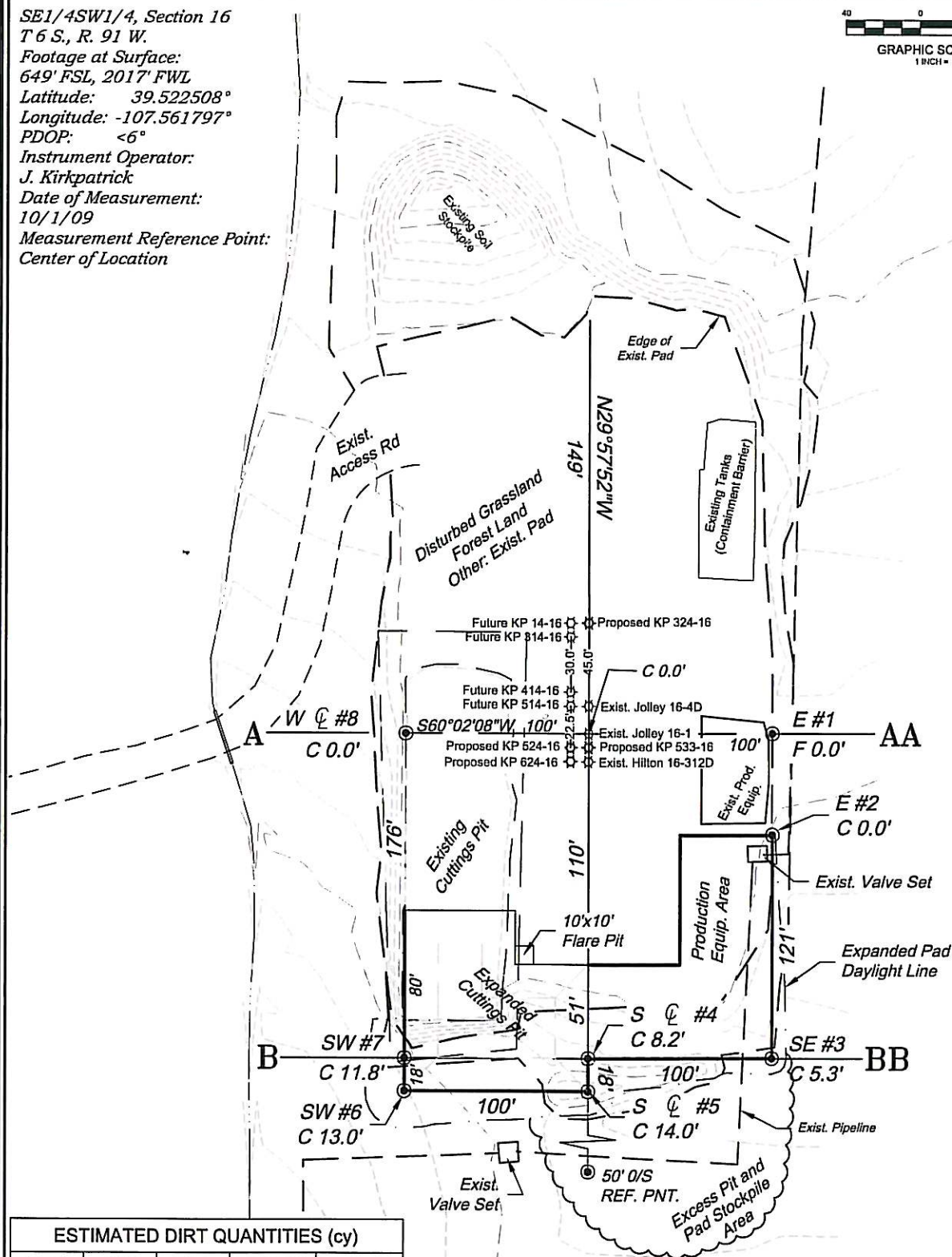
12th Floor, Suite 1200
1001 E. Colfax Avenue
Denver, CO 80202
Phone: 303.733.1200
Fax: 303.733.1201



BOOKCLIFF
Survey Services, Inc.

Detailed Site Plan

Center of Location



ESTIMATED DIRT QUANTITIES (cy)				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	2803	0	0	2803
PIT	2400			2400
TOTALS	5238	0	0	5238

1.) Total Disturbed Area = 3.06 ac.

REVISED: 12/04/09b

DFT: CWS

Construction Plan Prepared for:
Williams. Williams Production, RMT

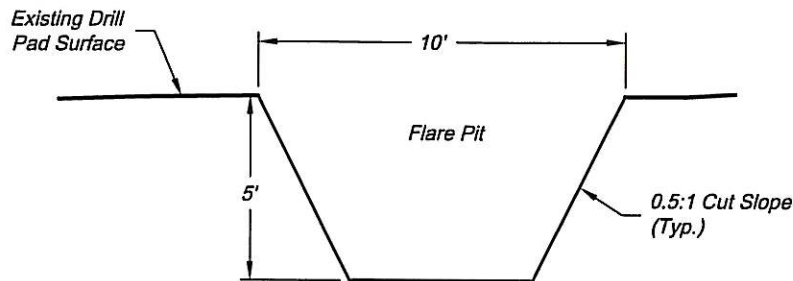
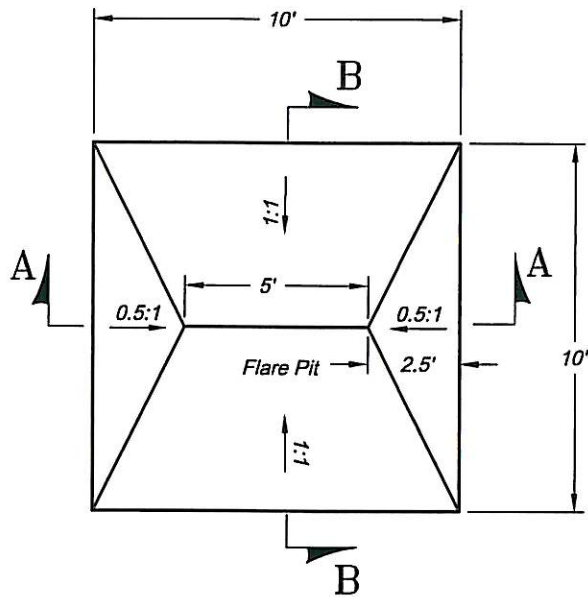
KP 24-16 Drill Pad - Plat 2
CONSTRUCTION LAYOUT



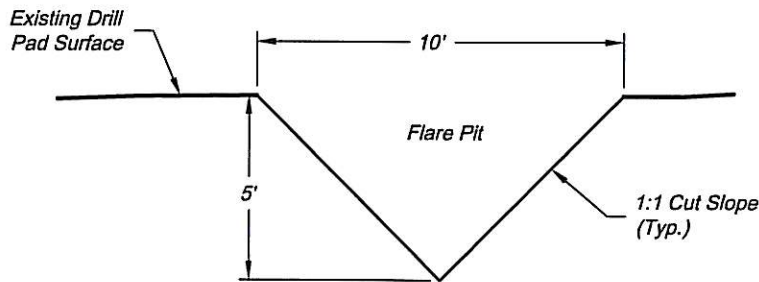
BOOKCLIFF
Survey Services, Inc.

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) 625-3773



BOOKCLIFF
Survey Services, Inc.

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	12/17/2009
Site Information	Existing	
Location:	KP 24-16	Time: N/A
Type of Facility:	Well Pad	
Environmental Conditions	Ground covered with snow. Site visit not conducive for inspecting surface features, i.e. vegetation and surface water features.	
Temperature (°F)	N/A	

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. N/A

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 $\leq 1.0 \times 10^{-7}$ 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:

There is no groundwater data available for the location within the immediate proximity of the KP 24-16. Based on the topographical setting of the pad (southern end of Jolley Mesa) it does not appear that shallow ground water is present due to Jolley Mesa being fairly narrow in this vicinity.

The closest water well is approximately 3,767 feet to the southwest in section 20 and has a known ground water depth of approximately 85 feet. The well is also in a separate flow regime from that of Jolley Mesa, and is approximately 320 feet lower than the KP 24-16.

A field visit was not conducted to evaluate surface water features and vegetation cover. Due to the recent snow events, the area is still under a considerable amount of snow making onsite data collection impractical. All data collected for this sensitive area determination were based on the COGCC data base, State Engineers Office website, and the NRCS Web Soil Survey website via desktop review. The desktop review indicates that this location is in a non-sensitive area.

When the weather permits, HCSI will conduct a field investigation to confirm the desk top review.

Inspector(s) Signature(s):

Ashlee KaneDate: 12/17/2009M. E. MurphyDate: 12/22/2009