



State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax: (303)894-2109



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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

FORM SUBMITTED FOR:

☐ Pit Report

☒ Pit Permit

OGCC Operator Number: 96850

Name of Operator: Williams Production RMT Co

Address: 1515 Arapahoe St., Tower 3, suite 1000

City: Denver State: CO Zip: 80202

Contact Name and Telephone:

Howard Harris

No: 303-606-4086

Fax: 303-629-8285

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

API Number (of associated well): Chevron TR 24-21-597 OGCC Facility ID (of other associated facility):

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW Sec 21 T5S-R97W

Latitude: 36.593761 Longitude: 108.285838 County: Garfield

Pit Use: ☒ Production ☐ Drilling (Attach mud program) ☐ Special Purpose (Describe Use):

Pit Type: ☒ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☐ No

Offsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: 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: 750' ground water: 2400' water wells: None

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: 15 Soil Complex/Series No: 55

Soils Series Name: See Attached Form 2A Horizon thickness (in inches): A: ; 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: 100' Width: 50' Depth: 15'

Calculated pit volume (bbls): 6943 Daily inflow rate (bbls/day): 20

Daily disposal rates (attach calculations): Evaporation: 3.9 bbl bbls/day Percolation: bbls/day

Type of liner material: poly Thickness: 12 mils

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):

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: Howard Harris

Signed:

Title: Sr. Engineering Technician

Date:

5/2/06

OGCC Approved:

Title:

EPS

Date:

5/10/06

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 284694



01433401

CHEVRON TR 24-21-597
SESW Sec 21-T5S-R95W
GARFIELD COUNTY, COLORADO

EVAPORATION CALCULATION

A) EVAPORATION RATE = 40 (in/yr)

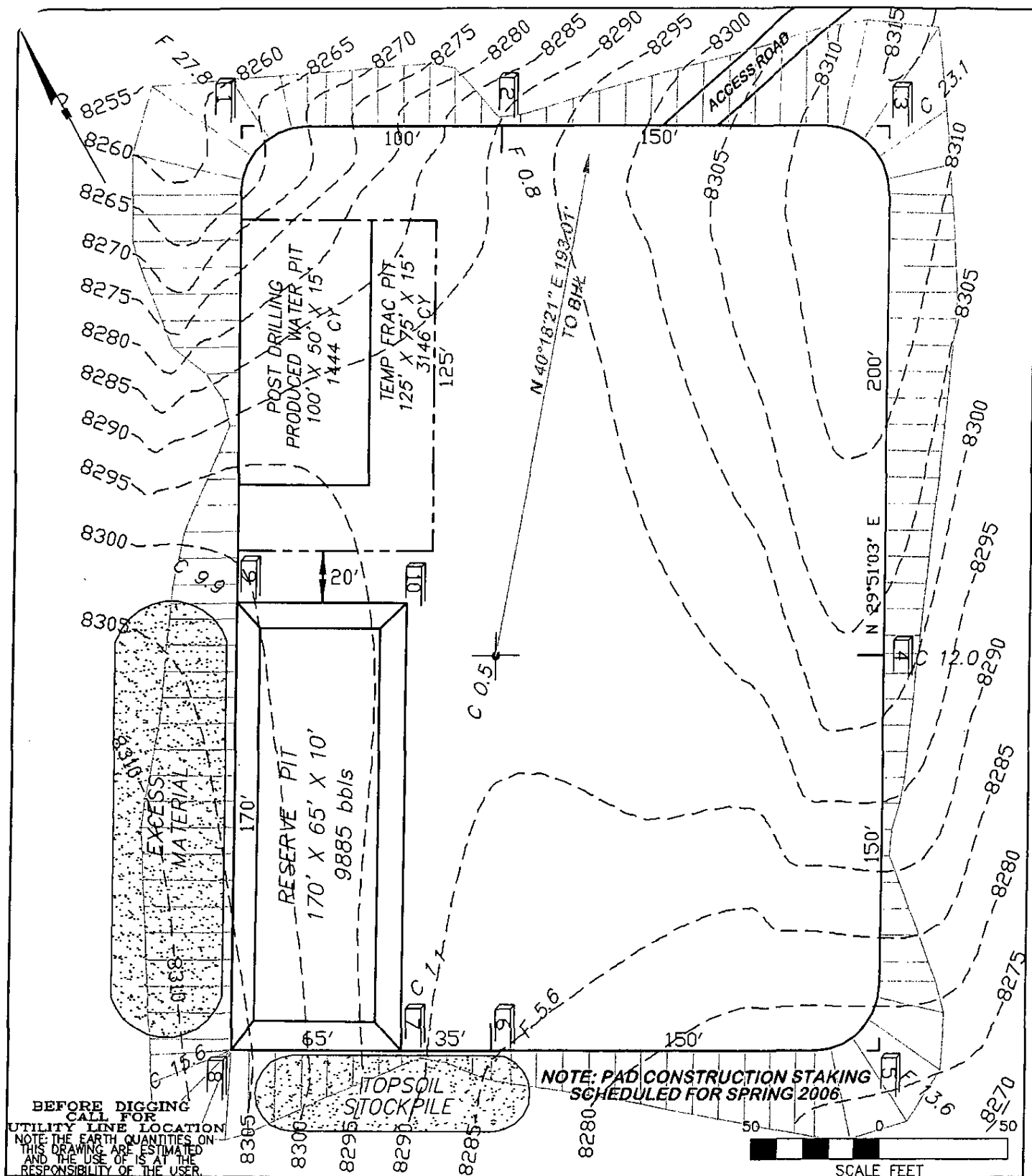
B) PIT SIZE = 100' X 50' X 6' (FREEBOARD = 10')

SURFACE AREA = 80' X 30' = 2400 sq ft

EVAPORATION RATE = 40 (in/yr) * 1/12(ft/in) * 2400 sq ft * 1/5.615(bbls/cu ft)

= 1424.7 (bbls/yr)

= 3.9(bbls/day)



RIFFIN & ASSOCIATES, INC.

WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 24-21-597

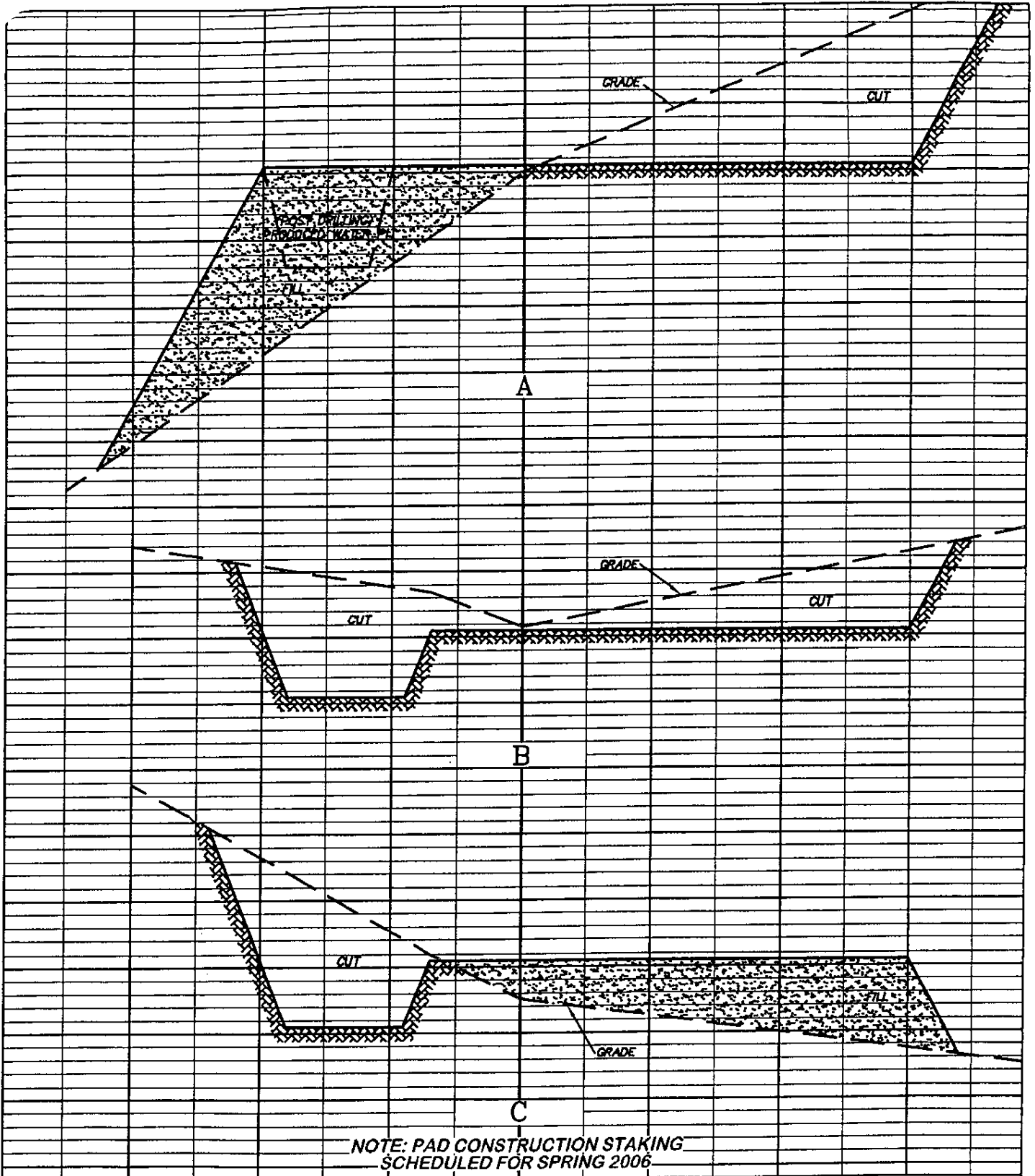
1414 ELK ST., SUITE 202
ROCK SPRINGS, WY 82901
(307) 362-5028

JOB No. 12856

REVISED: 4/12/06

SCALE: 1" = 50'

EXHIBIT 2A



RIFFIN & ASSOCIATES, INC.

WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 24-21-597

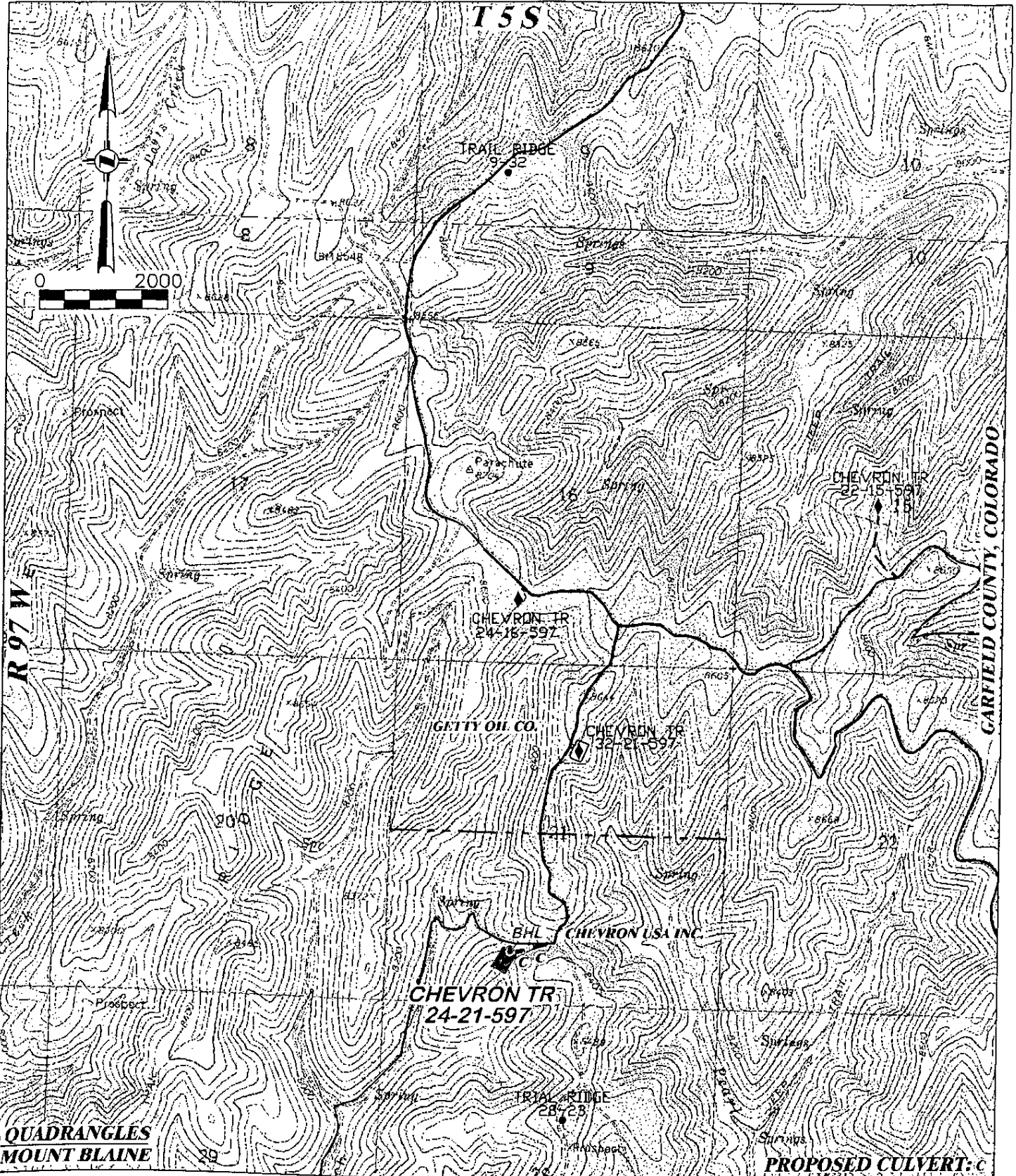
1414 ELK ST., SUITE 202
ROCK SPRINGS, WY 82901
(307) 362-5028

JOB No. 12856
REVISED: 4/12/06

HORZ. 1" = 50' VERT. 1" = 20'

UNGRADED ELEVATION: 8291.4'
FINISHED ELEVATION: 8290.9'

EXHIBIT 3



RIFFIN & ASSOCIATES, INC.

1414 ELK ST., SUITE 202
ROCK SPRINGS, WY 82901
(307) 362-5028

SCALE: 1" = 2000'

JOB No. 12856

REVISED: 4/12/06

**PROPOSED ROAD FOR
WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 24-21-597**

TOTAL PROPOSED LENGTH: 542±

EXISTING ROAD
PROPOSED ROAD

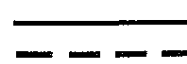
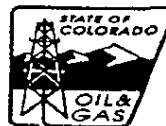


EXHIBIT 4

State of Colorado
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DRILL SITE/ACCESS ROAD RECLAMATION FORM

This form shall be submitted in duplicate with the application for permit-to-drill (OGCC Form 2) unless a Federal 13-point surface plan is included. Also required are a minimum of two photographs (site and access road). Soil and plant community information from United States Natural Resources Conservation Services (USNRCS).

1. OGCC Operator Number: <u>96850</u>		4. Contact Name and Telephone: <u>Howard Harris</u>	
2. Name of Operator: <u>Williams Production RMT Company</u>		No: <u>(303) 606-4086</u>	
3. Address: <u>1515 Arapahoe Street, Tower 3, Suite 1000</u>		Fax: <u>(303) 629-8285</u>	
City: <u>Denver</u>	State: <u>CO</u>	Zip: <u>80202</u>	
5. Well Name and No: <u>Chevron TR 24-21-597</u>		6. County: <u>Garfield</u>	
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SESW 21 5S 97W 6th P.M.</u>			

**Complete the
Attachment Checklist**

	Oper	OGCC
Drill site and access photographs		
COE Section 404 documentation		

**Pre-Drilling Information
Current Land Use**

8. Crop Land:	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Dry Land	<input type="checkbox"/> Improved Pasture	<input type="checkbox"/> Hay Meadow	<input type="checkbox"/> CRP
9. Non-crop land:	<input checked="" type="checkbox"/> Rangeland	<input type="checkbox"/> Timber	<input type="checkbox"/> Recreational	<input type="checkbox"/> Other (describe):	
10. Subdivided:	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Residential		

Attach color photographs of drill site and access road; identify each photo by date, well name and location.

Soils

11. Soil map units from USNRCS survey: Sheet No: <u>15</u>	Soil Complex/Series No: <u>55</u>
Soils Series name: <u>Parachute-</u>	Horizon thickness (in inches): A: <u>0-10"</u> ; B: <u>10-25"</u> ; C: <u>siltstone @ 25"</u>
<u>Irigule Complex</u>	Horizon thickness (in inches): A: <u>0-6"</u> ; B: <u>6-13"</u> ; C: <u>siltstone @ 13"</u>
Soils Series name: <u>5-30% Slopes</u>	Horizon thickness (in inches): A: ; B: ; C:
	Horizon thickness (in inches): A: ; B: ; C:
	Horizon thickness (in inches): A: ; B: ; C:
	D:

Plant Community

Complete this section only if operations are to be conducted upon non-crop land.

12. Plant species from: ☐ USNRCS or ☒ Field Observation Date of Observation: 8/24/05

List individual species: _____

13. Check one predominant plant community for the drill site:

☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye, Thistle)

☐ Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)

☒ Shrub and Brush Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)

☐ Plains Deciduous Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)

☐ Mountain Conifer Riparian (Spruce, Fir, Ponderosa Pine)

☐ Evergreen Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon)

☐ Aquatic (Bullrush, Sedges, Cattail, Arrowhead)

☐ Tundra (Alpine, Willow, Currant, Raspberry)

Other (describe): _____

14. Was an Army Corps of Engineers Section 404 Permit filed? ☐ Yes ☒ No If yes, attach appropriate documentation.

Comments: _____

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions which presently exist, that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Howard Harris

Signed: Howard Harris

Title: Sr. Engineering Technician

Date: 5/1/06