



# 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  
**RECEIVED**  
MAY -5 06  
COGCC

## 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

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	

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

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 form 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: Howard Harris

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)

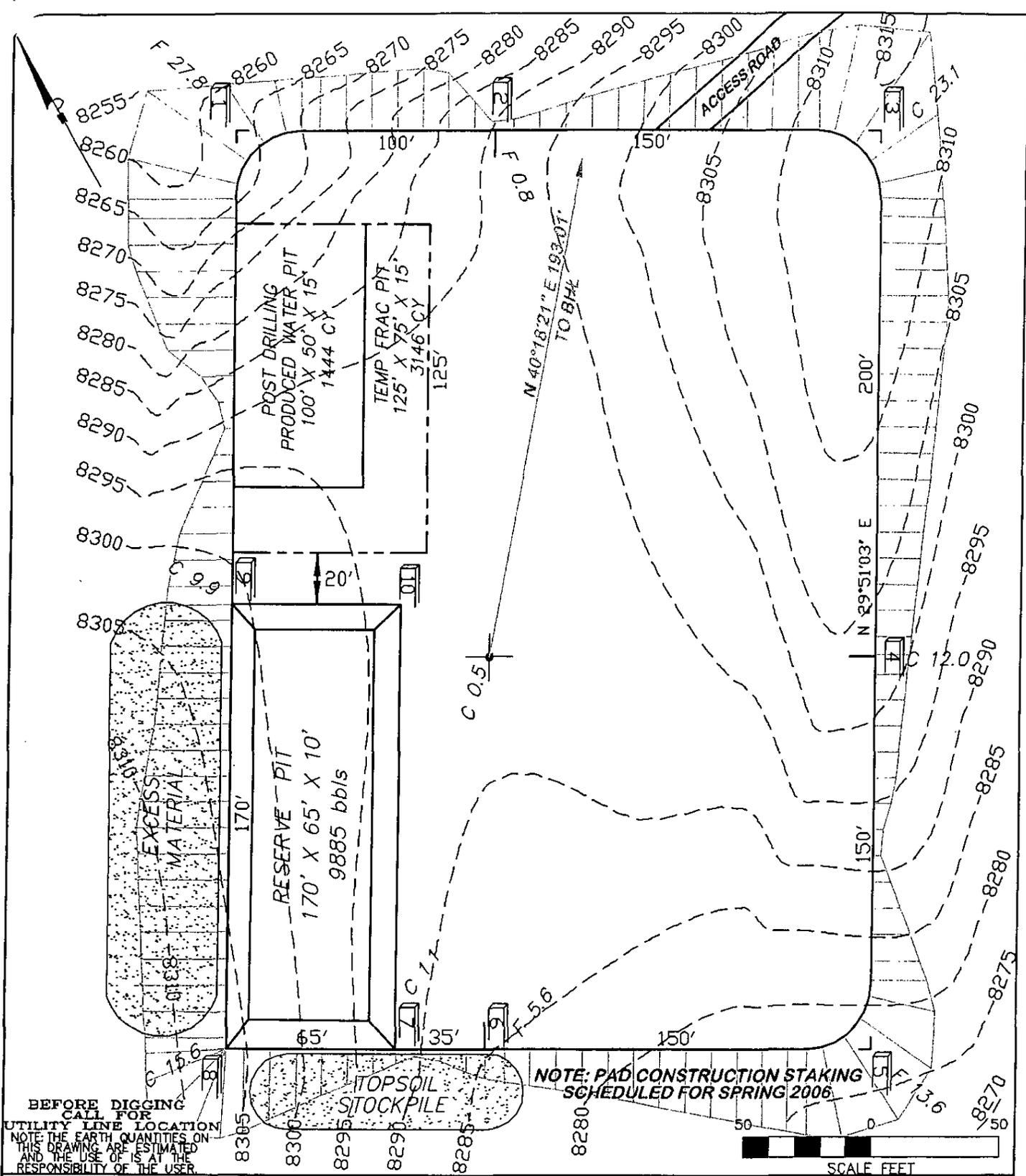
B) PIT SIZE = 100' X 50' X 6' (FREEBOARD = 10')

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)

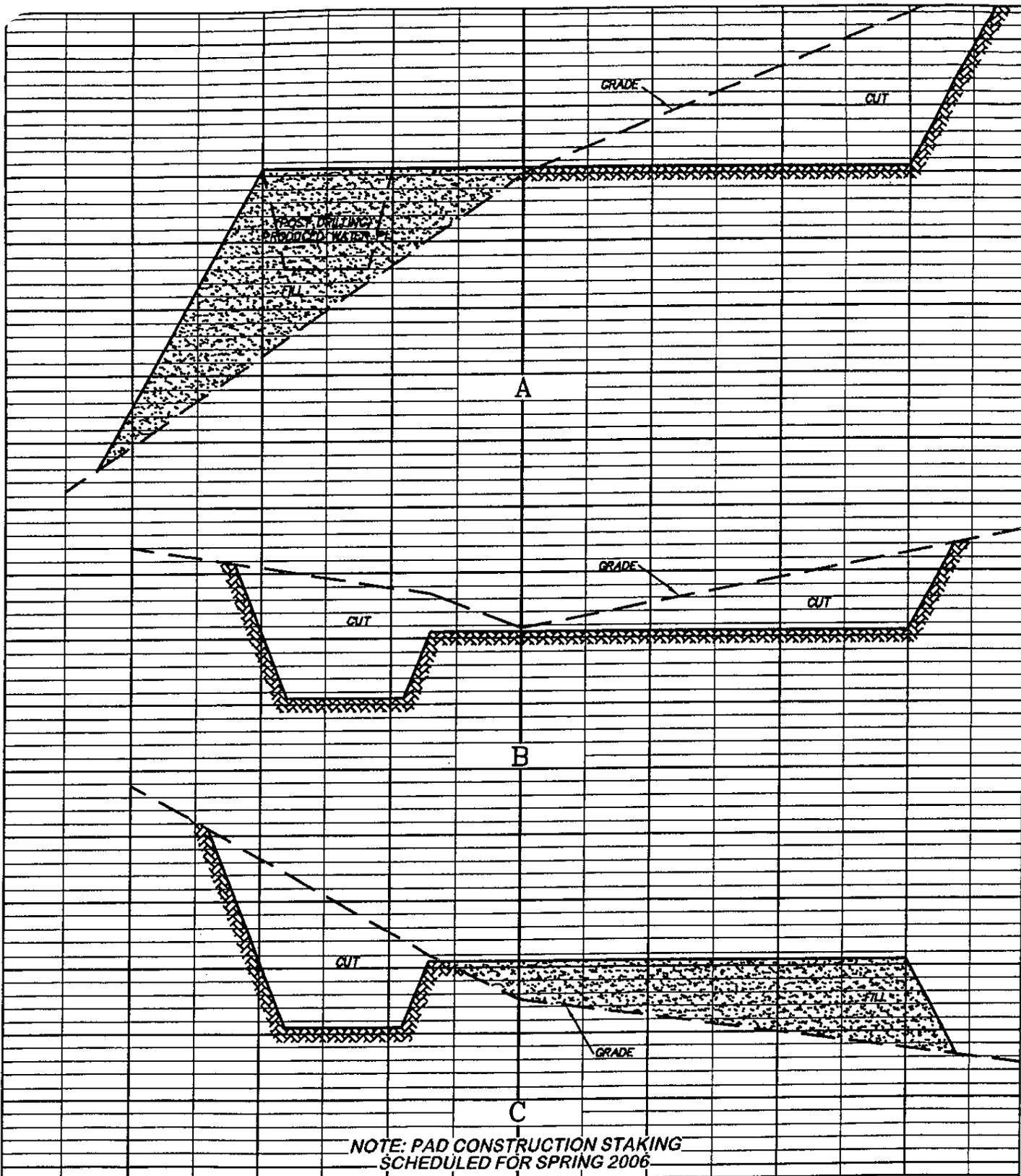
= 3.9(bbls/day)



BEFORE DIGGING  
CALL FOR  
UTILITY LINE LOCATION  
NOTE: THE EARTH QUANTITIES ON  
THIS DRAWING ARE ESTIMATED  
AND THE USE OF IS AT THE  
RESPONSIBILITY OF THE USER.

NOTE: PAD CONSTRUCTION STAKING  
SCHEDULED FOR SPRING 2006.

 <b>DRG RIFFIN &amp; ASSOCIATES, INC.</b>		<b>WILLIAMS PRODUCTION RMT COMPANY</b> <b>CHEVRON TR 24-21-597</b>	
1414 ELK ST., SUITE 202 ROCK SPRINGS, WY 82901 (307) 362-5028	JOB No. 12856 REVISED: 4/12/06	SCALE: 1" = 50' EXHIBIT 2A	



NOTE: PAD CONSTRUCTION STAKING  
SCHEDULED FOR SPRING 2006



GRIFFIN & ASSOCIATES, INC.

WILLIAMS PRODUCTION RMT COMPANY  
CHEVRON TR 24-21-597

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

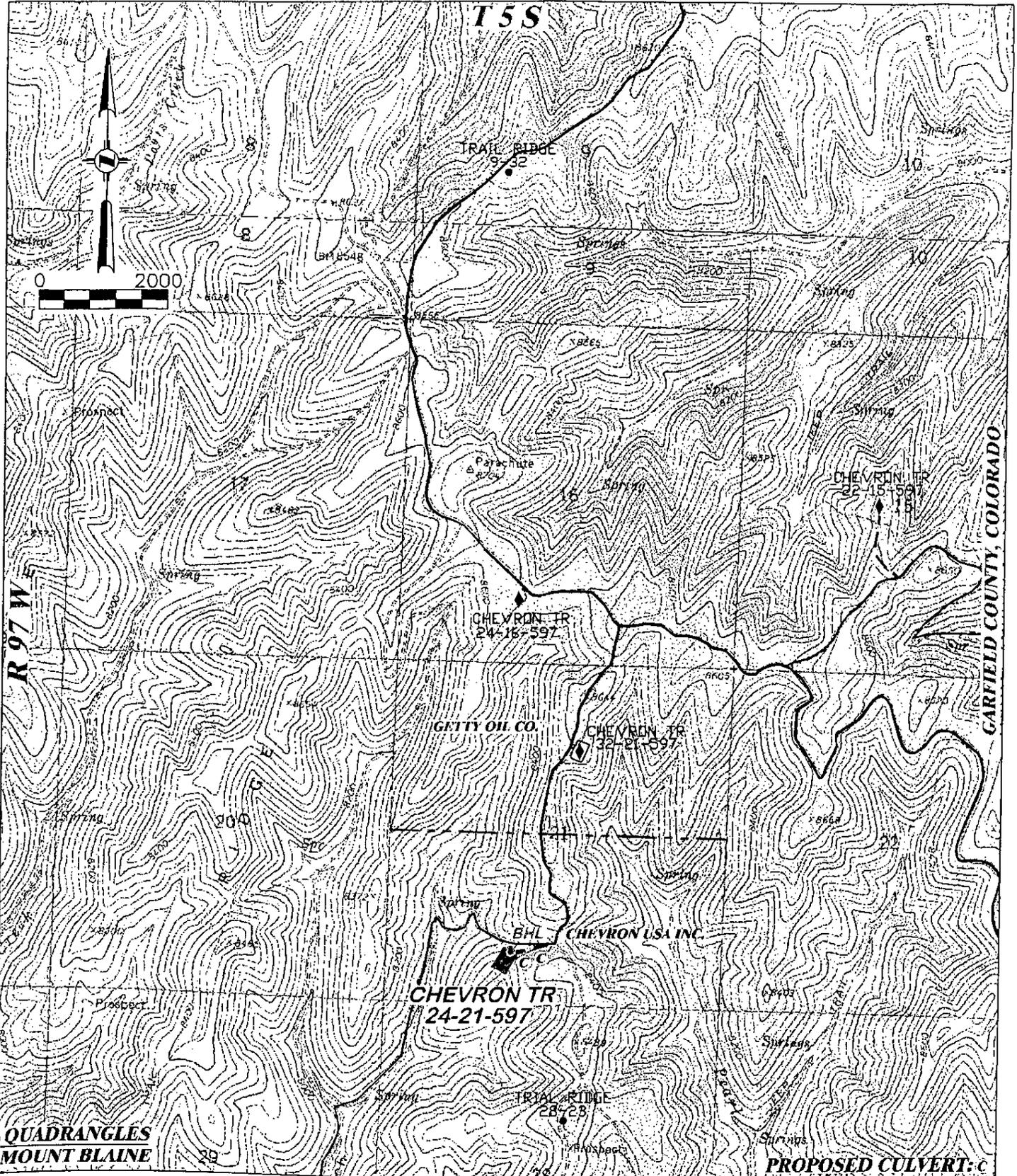
JOB No. 12856

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**

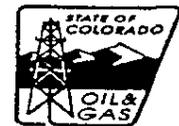
TOTAL PROPOSED LENGTH: 542'±

EXISTING ROAD —————  
 PROPOSED ROAD - - - - -

**EXHIBIT 4**

State of Colorado  
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

RECEIVED  
MAY -5 06  
COGCC

**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:  Irrigated  Dry Land  Improved Pasture  Hay Meadow  CRP

9. Non-crop land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_

10. Subdivided:  Industrial  Commercial  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: 15 Soil Complex/Series No: 55

Soils Series name: Parachute- Horizon thickness (in inches): A: 0-10" ; B: 10-25" ; C: siltstone @ 25"

Irigule Complex Horizon thickness (in inches): A: 0-6" ; B: 6-13" ; C: siltstone @ 13"

Soils Series name: 5-30% Slopes 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