



Received 5/27/2009

FORM
27
Rev 6/99State 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

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☐ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☐ Site/Facility Closure ☒ Other (describe): Production Pit Closure

OGCC Employee:

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No:

OGCC Operator Number: 96850

Name of Operator: Williams Production RMT Company

Address: 1058 County Road 215

City: Parachute State: CO Zip: 81635

Contact Name and Telephone:

Michael J. Gardner

No: 970.263.2760

Fax: 970.263.5313

API Number: 095-12287

County: Garfield

Facility Name: TR 12-11-597

Facility Number: 324368

Well Name:

Well Number:

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NESW, Sec 11, T5S, R97W, 6th PM Latitude: 39.630065 Longitude: -108.254419

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): None (produced water)

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☐ Y ☒ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Non-crop rangeland, non-irrigated

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Silas Loam, 1 to 12% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): There are no permitted water wells within 1/4 mi.; Wet Fork lies approx. 175 ft. (within 1/4 mi.) to the east

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):



Soils



Vegetation



Groundwater



Surface Water

Extent of Impact:

To be Determined

How Determined:

Field screen, visual assessment and lab confirmation samples/results

REMEDIALATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

The lowest point of the pit which has the potential for pooling of liquid will be field screened utilizing a photoionization gas detector for volatile hydrocarbons. A composite sample will be submitted for laboratory analysis; analytes will include those relevant from Table 910-1. A visual assessment will also be performed and documented by qualified personnel.

Describe how source is to be removed:

All pit liquids will be evaporated or hauled off for disposal at an approved facility. The production pit will be reclaimed in accordance with the COGCC 900 and 1000 series rules. The synthetic liner will be removed and disposed of at an approved facility as a solid waste. At the time of the last pit liner inspection there were no suspect signs or conditions that would indicate past or present failure of the liner/containment system.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Not yet determined; however, should contamination be encountered the following actions will be taken. Any impacted soils will be excavated and disposed of in accordance with all applicable rules and regulations regarding solid waste. Field screening equipment will be used to guide the excavation to ensure compliance with Table 910-1 of the COGCC 900 series rule. The excavated material will be placed within a lined and bermed containment cell pending the following options. Remediation options may include on-site landfarming/bioremediation, in-situ remediation and/or disposal at an approved waste facility (i.e. Garfield County Landfill, Wray Gulch Landfill). Final disposition will be dependent upon identified contaminants, contaminant concentration, land availability, landowner approval and waste volume.

Submit Page 2 with Page 1



Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
Facility Name & No: _____

REMEDATION WORKPLAN (Cont.)

OGCC Employee: _____

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

Presently, there are no known impacts to groundwater. Should groundwater impacts be determined to exist, an appropriate and site specific monitoring plan will be developed and submitted for approval.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

The pit will be reclaimed to the present grade of the location or to the approximate original contour of the landscape. Seeding of the disturbed area will be performed in accordance with its' intended use. The seed mix will be prescribed by the landowner. As a preventative measure, Williams conducts seeding of all disturbed areas as soon as practicable with temporary or sterile annual seed mixes to: 1) provide soil stability, and 2) serve as a nurse or cover crop for desired species.

There are no known noxious weeds in the immediate area of the disturbance. A noxious weed survey is performed annually of the Trail Ridge field which includes this location. Bare ground treatment for undesirable species is a common practice by Williams and any identified noxious weed species will be spot treated for immediate eradication and prevention of encroachment. A plat of the location is attached for reference.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☐ Y ☐ N If yes, describe:

Not yet determined. A determination of whether further site investigation is required is pending field assessments and screening, which is to be confirmed by analytical results from an accredited - NELAP - laboratory (i.e. Evergreen Analytical Laboratory).

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

If the stockpiled volume is small enough to manage on-site, there is available area on location, concentrations are within a reasonable range to be remediated in a timely manner and the identified contaminants are conducive to bioremediation, landfarming or in-situ remediation may occur. Should the aforementioned attributes exist at a level which is not conducive to bioremediation then off-site disposal will be the final disposition of all impacted materials. If the latter option is taken, disposal will occur at either the West Garfield County Landfill (045-LFL-005; Parachute, CO) or the Wray Gulch Landfill (103-LFL-020; Meeker, CO). Any soils requiring treatment that, once treated, fall below the allowable concentrations and levels provided in Table 910-1 may be recycled and reused at Williams production sites as fill material.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: <u>Upon approval</u>	Date Site Investigation Completed: <u>May 18, 2009</u>	Date Remediation Plan Submitted: <u>May 29, 2009</u>
Remediation Start Date: <u>Upon approval</u>	Anticipated Completion Date: <u>Upon approval</u>	Actual Completion Date: <u>TBD</u>

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Michael J. Gardner

Signed: _____

Title: Principal Environmental Specialist

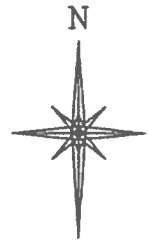
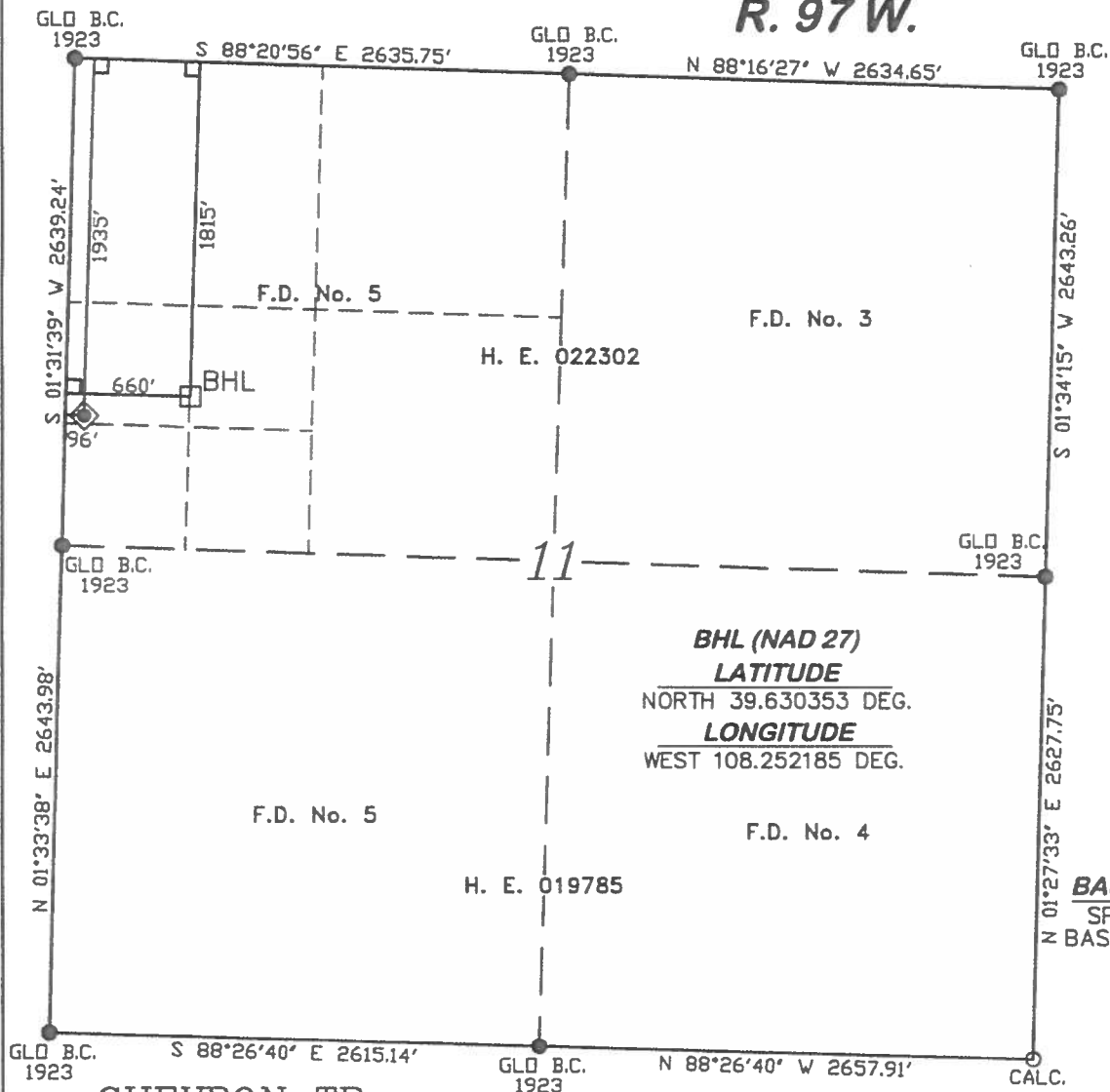
Date: May 28, 2009

OGCC Approved: _____

Title: EPS NW Region

Date: 4/5/09

R. 97 W.



SCALE 1" = 1000'

T. 5 S.

LATITUDE (NAD 83)
NORTH 39.629998 DEG.
LONGITUDE (NAD 83)
WEST 108.254825 DEG.

LATITUDE (NAD 27)
NORTH 39.630022 DEG.
LONGITUDE (NAD 27)
WEST 108.254185 DEG.

NORTHING

666109.37

EASTING

1224346.28

BASIS OF BEARING/DATUM
SPCS CO CENTRAL NAD 27
BASED ON NGS TRIANGULATION
STATION "SHALE"

LEGEND

- ◆ WELL LOCATION
- FOUND MONUMENT
- L DENOTES 90° TIE
- CALCULATED CORNER
- APPROXIMATE BHL

CHEVRON TR
12-11-597

UNGRADED ELEVATION:
7952.4'

Basis of Elevation: USGS spot
elev. located in the NE 1/4
Sec. 11, T 5 S, R 97 W
Elevation = 8392'



SURVEYOR'S STATEMENT

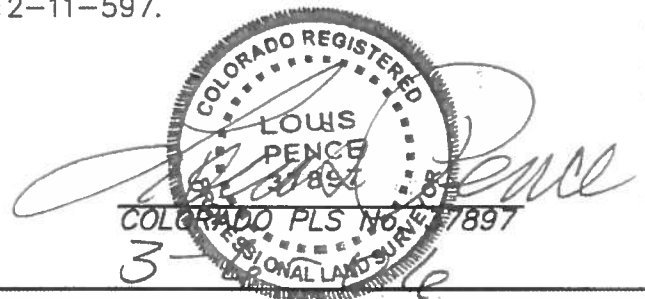
I, Louis A. Pence, of Rock Springs, Wyoming, hereby state: This map was made from notes taken during an actual survey under my direct supervision on JULY 31, 2005, and it correctly shows the location of CHEVRON TR 12-11-597.

NOTES

GPS OPERATOR MARK BESSIE
OBSERVED A PDOP OF 3.5

ALL GPS OBSERVATIONS ARE IN
COMPLIANCE WITH COGCC RULE NO. 215.
HIGH PLATEAU DESERT
EXISTING TWO-TRACK WITHIN
200' RADIUS OF WELL SITE.
SEE EXHIBIT 2 FOR IMPROVEMENTS
SURFACE USE IS NATIVE PASTURE

EXHIBIT 1



RIFFIN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

PLAT OF DRILLING LOCATION
FOR
WILLIAMS PRODUCTION RMT COMPANY

1935' F/NL & 96' F/WL, SECTION 11,
T. 5 S., R. 97 W., 6th P.M.
GARFIELD COUNTY, COLORADO

PH. (307) 362-5028

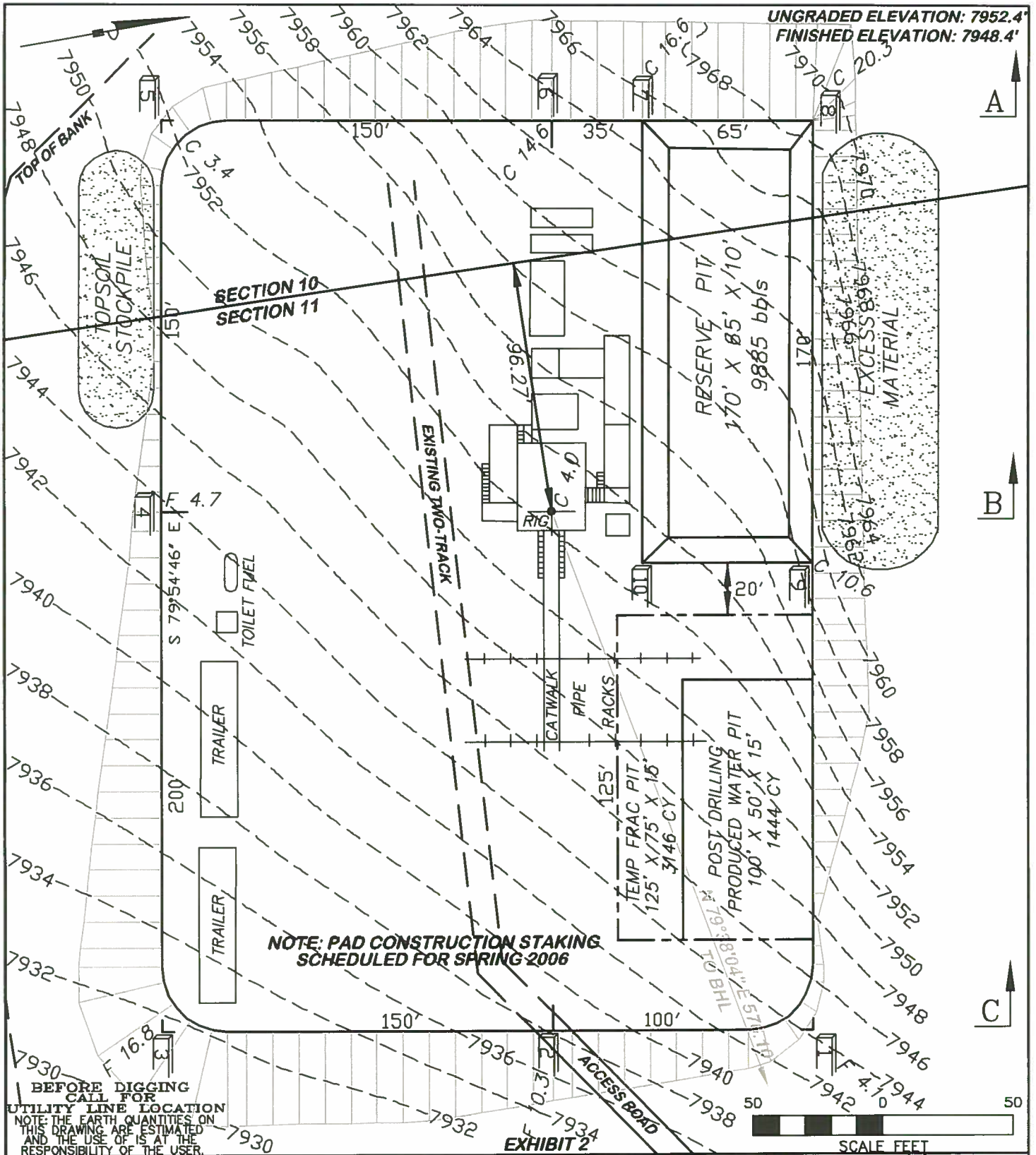
SCALE: 1" = 1000'

FAX (307) 362-1056

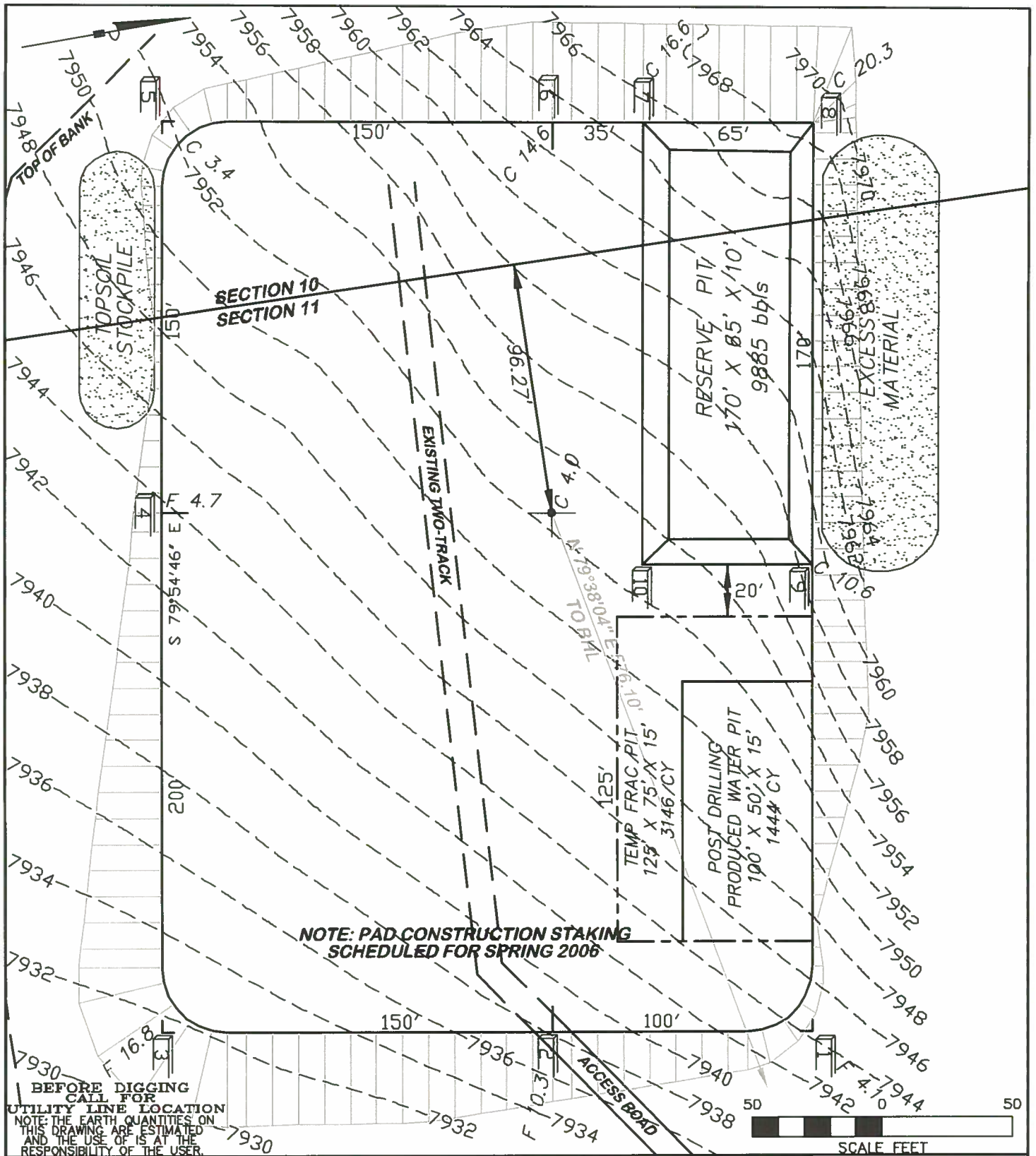
JOB No. 12841

REVISED DATE: 3/6/06

DATE DRAWN: 8/5/05



DRG RIFFIN & ASSOCIATES, INC. 1414 ELK ST., SUITE 202 ROCK SPRINGS, WY 82901 (307) 362-5028		WILLIAMS PRODUCTION RMT COMPANY CHEVRON TR 12-11-597			
		ESTIMATED EARTHWORK			
	SCALE: 1" = 50'	ITEM	CUT	FILL	TOPSOIL
	JOB No. 12841	PAD	11867 CY	9161 CY	1620 CY
	REVISED: 3/15/06	PIT	2889 CY		2889 CY
		TOTALS	14756 CY	9161 CY	3975 CY



DRG RIFFIN & ASSOCIATES, INC.

WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 12-11-597

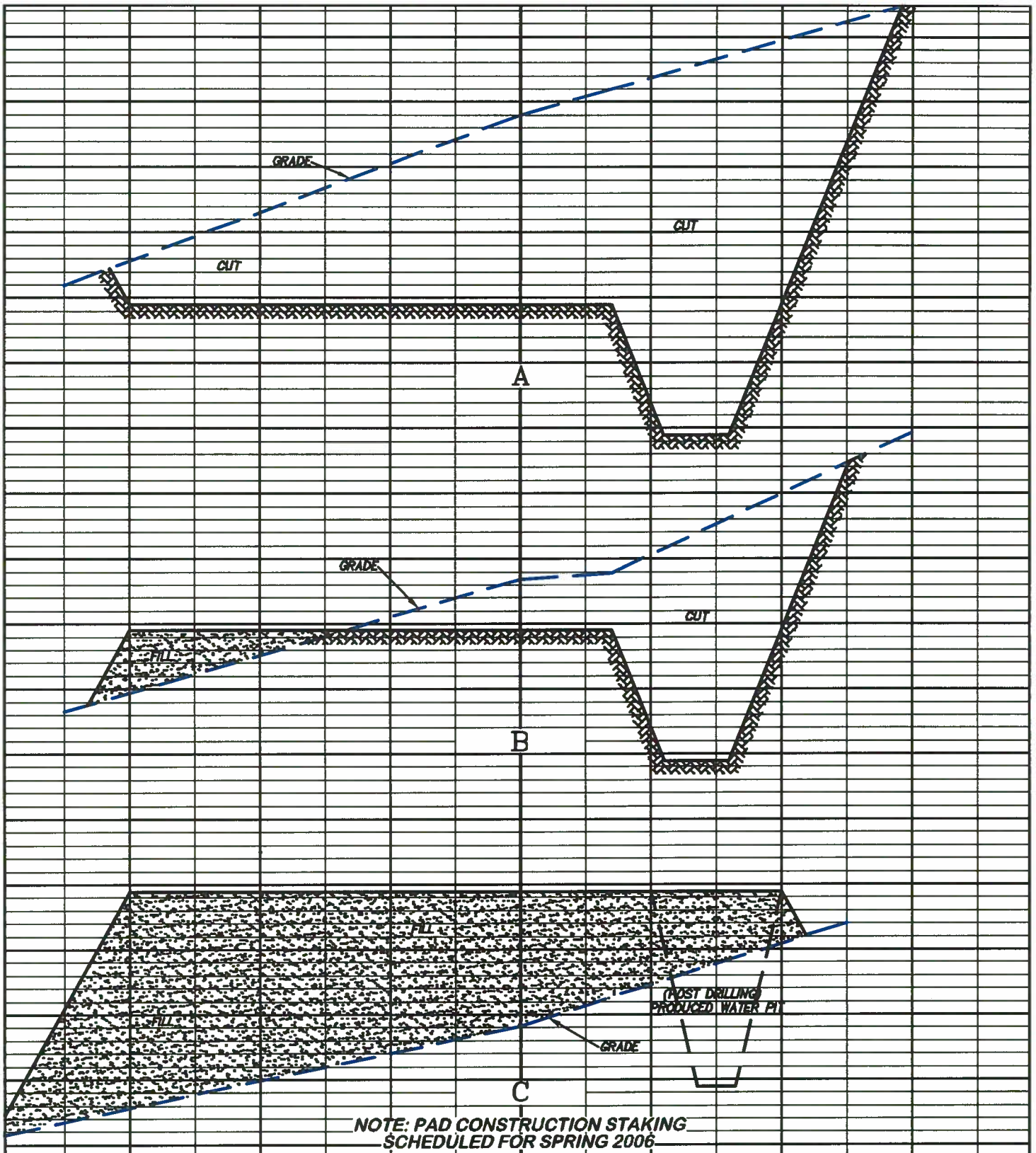
1414 ELK ST., SUITE 202
ROCK SPRINGS, WY 82901
(307) 362-5028

JOB No. 12841

REVISED: 3/15/06

SCALE: 1" = 50'

EXHIBIT 2A



DRG RIFFIN & ASSOCIATES, INC.

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

JOB No. 12841

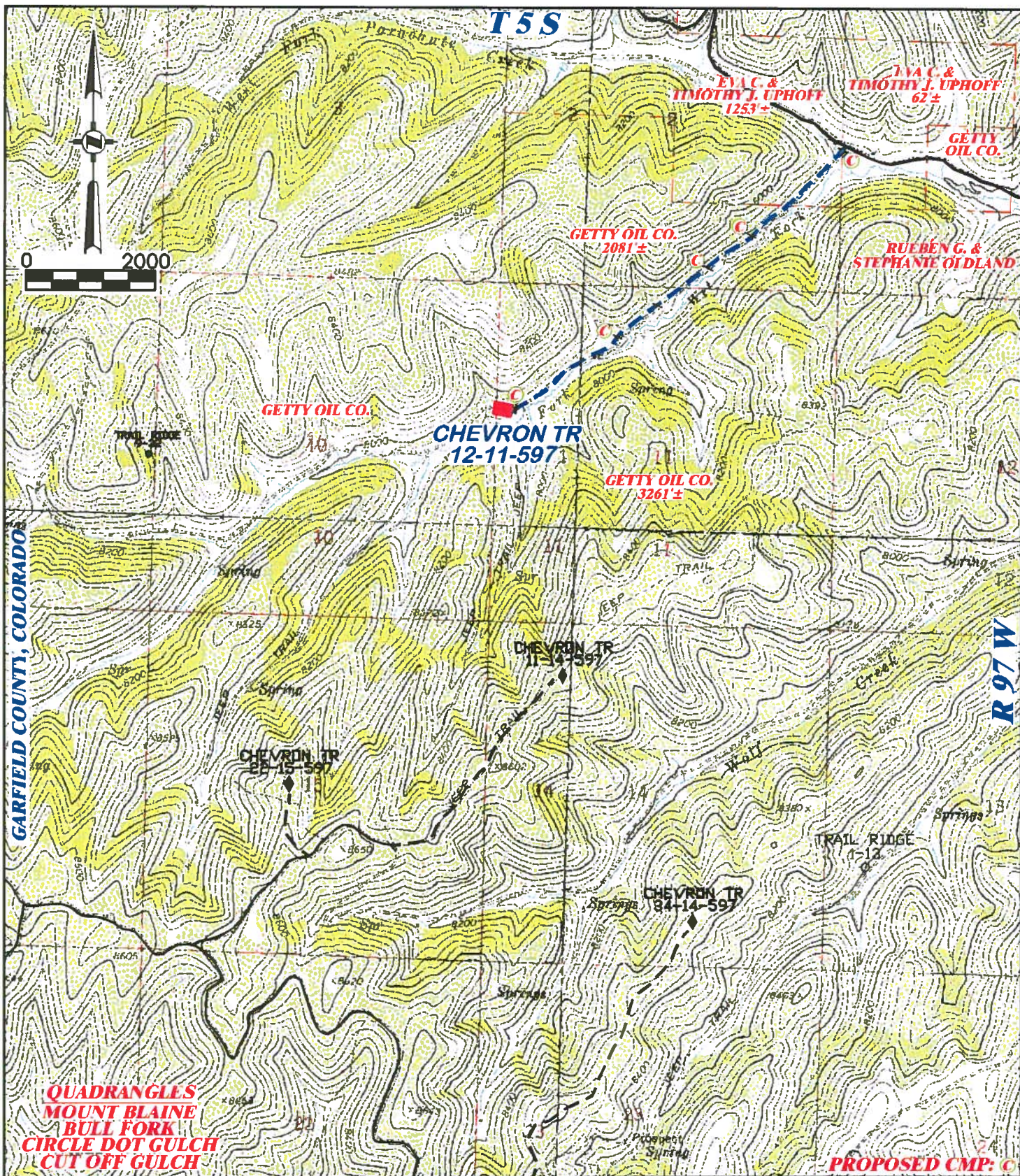
REVISED: 3/15/06

**WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 12-11-597**

HORZ. 1" = 50' VERT. 1" = 10'

**UNGRADED ELEVATION: 7952.4'
FINISHED ELEVATION: 7948.4'**

EXHIBIT 3



RIFFIN & ASSOCIATES, INC.

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

SCALE: 1" = 2000'

JOB No. 12841

REVISED: 6/06/06

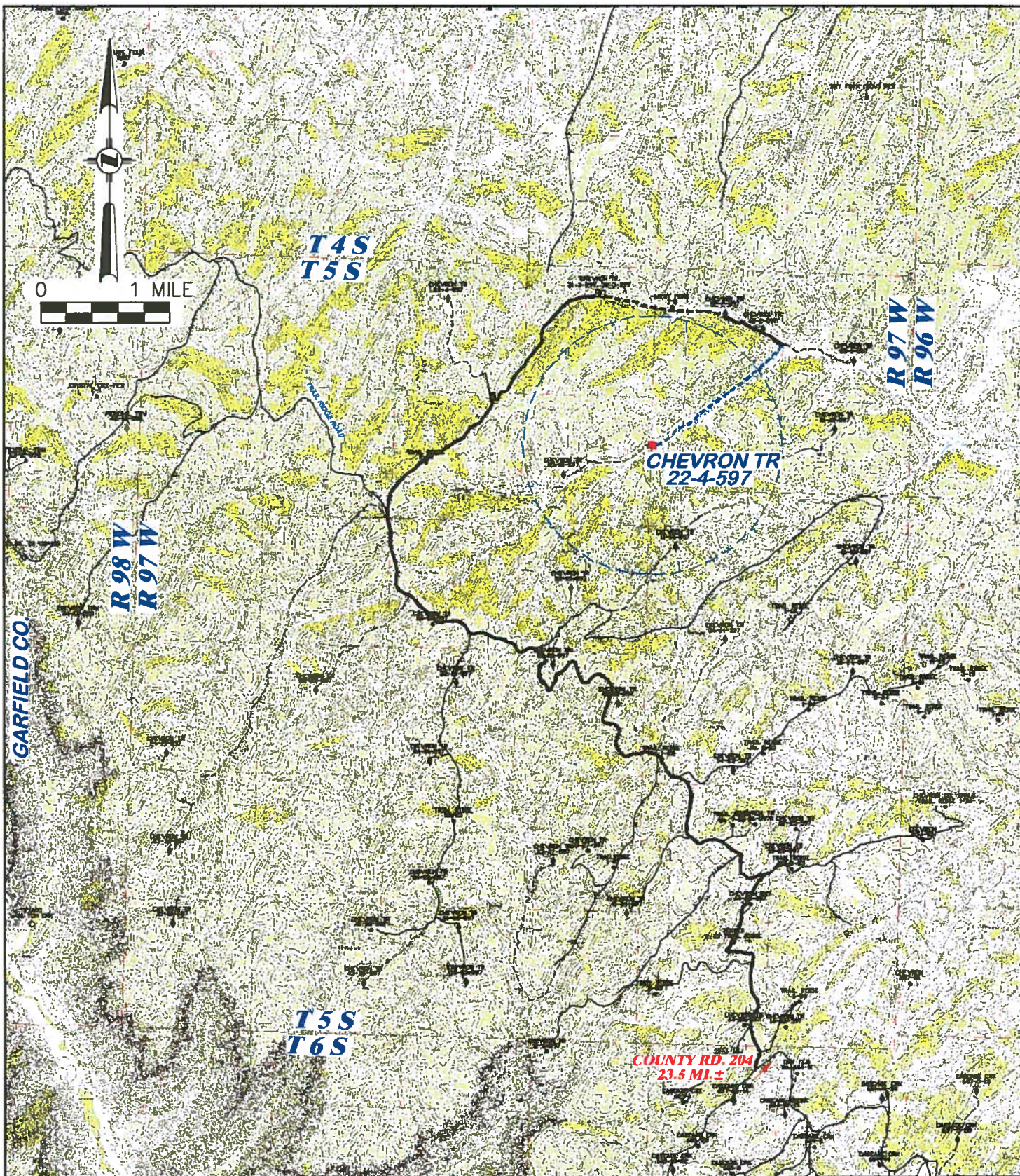
**PROPOSED ROAD FOR
WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 12-11-597**

TOTAL PROPOSED LENGTH: 6657'±

EXISTING ROAD
PROPOSED ROAD



EXHIBIT 4



RIFFIN & ASSOCIATES, INC.

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

SCALE: 1" = 1 MILE

JOB No. 12841

REVISED: 3/6/06

**PROPOSED ACCESS FOR
WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 12-11-597**

EXISTING ROAD

PROPOSED ROAD



EXHIBIT 5



WELL LOCATION LOOKING NORTH



WELL LOCATION LOOKING SOUTH



WELL LOCATION LOOKING EAST



WELL LOCATION LOOKING WEST



ACCESS ROAD AT PAD



ACCESS ROAD AT TAKE-OFF



DRG RIFFIN & ASSOCIATES, INC.

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

JOB No. 12841

DATE: 8/5/05

**LOCATION PICTURES
WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 12-11-597**

EXHIBIT 6

**WILLIAMS PRODUCTION RMT COMPANY
CHEVRON TR 12-11-597
SEC. 11, T 5 S, R 97 W, 6th P.M.
GARFIELD COUNTY, COLORADO**

Beginning at the town of DeBeque, Colorado; travel Northwesterly on County Road 204 for 5.4 miles to an existing access road. Turn right and travel this road for 22.5 miles to an existing road. Turn right and travel Northwesterly 1.0 mile to an existing access road. Turn right and travel Northwesterly for 8.7 miles to an existing road. Turn right and travel Northeasterly for 1.3 miles to the Chevron TR 31-3-597 and 32-2-597 location. Continue Southeasterly to the staked road. Travel Southeasterly for 1.0 miles to an existing road. Continue Southeasterly for 1.1 miles to the proposed road. Turn right and travel Southwesterly for 1.3 miles to the location.