

FORM
15
Rev 6/99

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
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SEP - 7 04
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

FORM SUBMITTED FOR:

☐ Pit Report

☒ Pit Permit

	Oper	OGCC
Detailed Site Plan		
Topo Map w/ Pit Location		
Water Analysis (Form 25)		
Source Wells (Form 26)		
Pit Design/Plan & Cross Sec		
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, # 1000

City: DENVER State: CO Zip: 80202

Contact Name and Telephone:

GREG DAVIS

No: 303-606-4071

Fax: 303-629-8285

API Number (of associated well): TR 22-34 05-045-10052 OGCC Facility ID (of other associated facility):

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW SECTION 34-T5S-R97W

Latitude: 39° 34' 16.23" Longitude: 108° 15' 59.41" County: GARFIELD

Pit Use: ☒ Production ☐ Drilling (Attach mud program) ☐ Special Purpose (Describe Use): TR 22-34

Pit Type: ☒ Lines ☐ 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: APRX 200 ground water: NONE 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: 56, 63 SEE ATTACHED FORM 2A

Soils Series Name: 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: 6'

Calculated pit volume (bbls): 3990 Daily inflow rate (bbls/day): 14 bbls/day

Daily disposal rates (attach calculations): Evaporation: 3.9 bbls/day Percolation: 220 bbls/day

Type of liner material: POLY Thickness: 12 MIL

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): SEPARATOR

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: GREG DAVIS

Signed: Greg Davis

Title: SUPERVISOR PERMITS

Date: 9/3/04

OGCC Approved:

Title: EPS

Date: 9/13/04

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 273640

274717



UNLINED EARTHEN PIT CALCULATION

TR 22-34

NWSW SECTION 34-T5S-R97W

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)

PERCOLATION CALCULATION

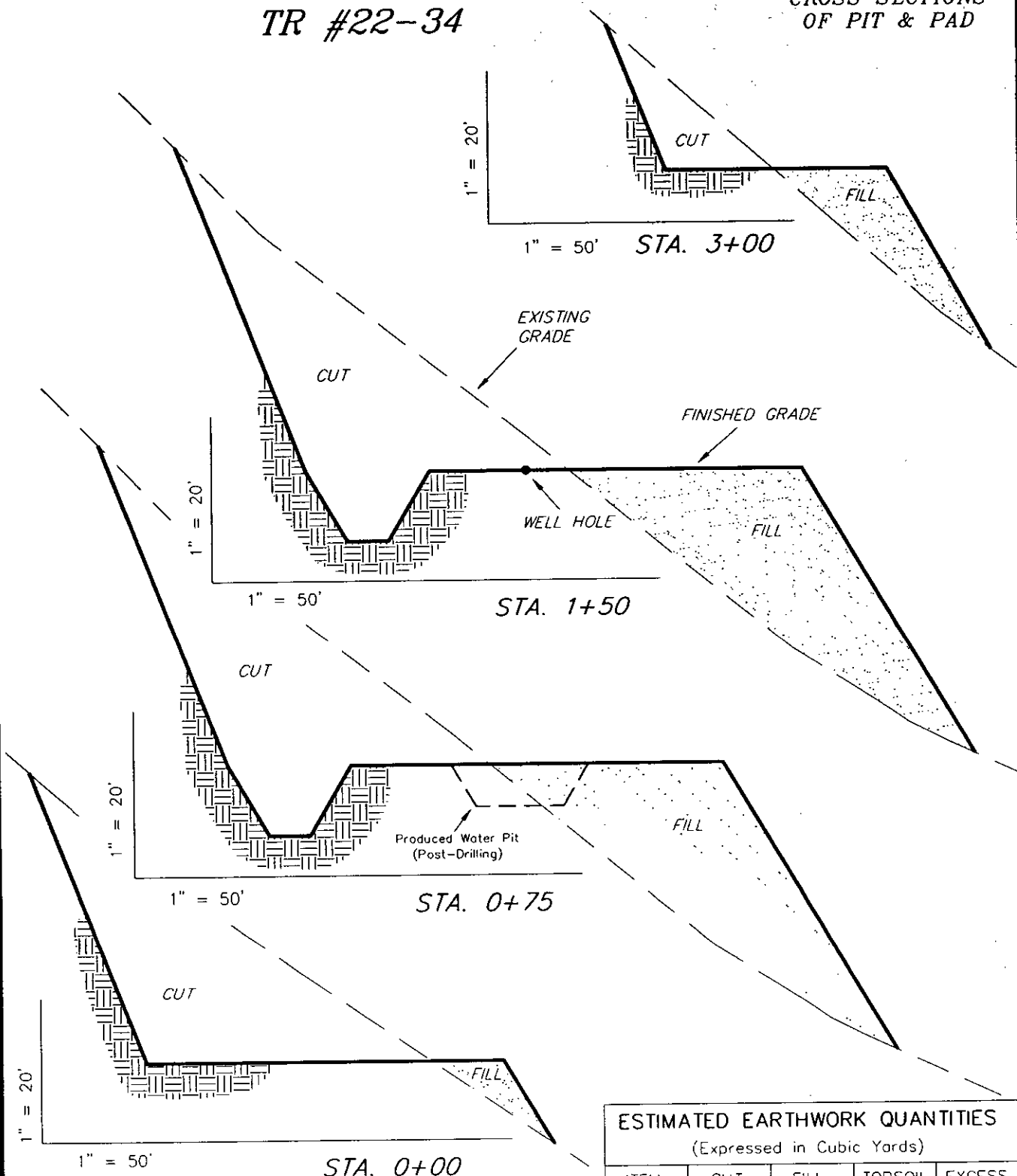
- A) FROM SOIL SURVEY OF DOUGLAS PLATEAU AREA, COLORADO, PARTS OF
GARFIELD AND MESA COUNTIES
SOIL TYPE: 56 (PARACHUTE-IRIGUL-RHONE ASSOCIATION)
- B) PERMEABILITY FOR 0-60" DEPTH - .06 TO 2 (in/hr) - (1.03 in/hr avg)
- C) PERCOLATION RATE = 1.03(in/hr) * 1/12(ft/in) * 2400(sq ft) * 1/5.615(bbls/cu ft) * 24(hr/day)
= 880.1(bbls/day)
- D) ASSUME 25% EFFICIENCY DUE TO SILT CLOGGING AND CLAY SWELLING
PERCOLATION RATE = 880.1(bbls/day) * .25
= 220.0(bbls/day)

WILLIAMS PRODUCTION RMT COMPANY

PLAT # 3

TR #22-34

CROSS SECTIONS
OF PIT & PAD



NOTE: ALL CUT SLOPES ARE
1:1 AND ALL FILL SLOPES
ARE AT 1.5:1 UNLESS
OTHERWISE NOTED

ESTIMATED EARTHWORK QUANTITIES (Expressed in Cubic Yards)

ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	22,860	22,850	Topsoil is not included in Pad Cut	10
PIT	1,720	0		1,720
TOTALS	24,580	22,850	1,000	1,730

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

SURVEYED BY: T.P.

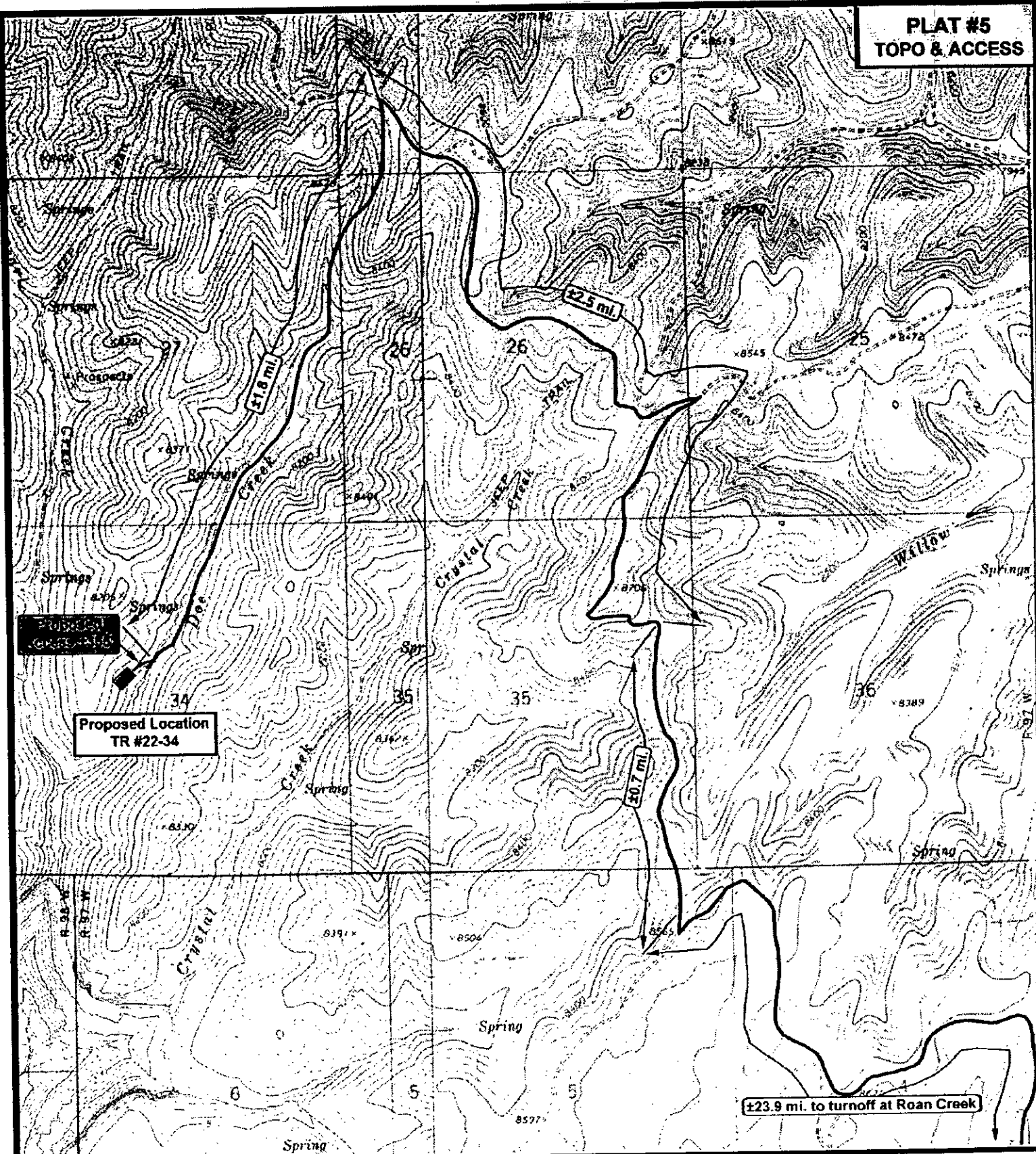
SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-31-04

SHEET: 3 OF 9

**PLAT #5
TOPO & ACCESS**



WILLIAMS
PRODUCTION RMT CO.

**TR #22-34
SEC. 34, T5S, R97W, 6th P.M.**

*Tri-State
Land Surveying Inc.*
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: bgm

DATE: 01-08-2004

Legend

- Existing Road
- Proposed Access

ACCESS FOOTAGES:

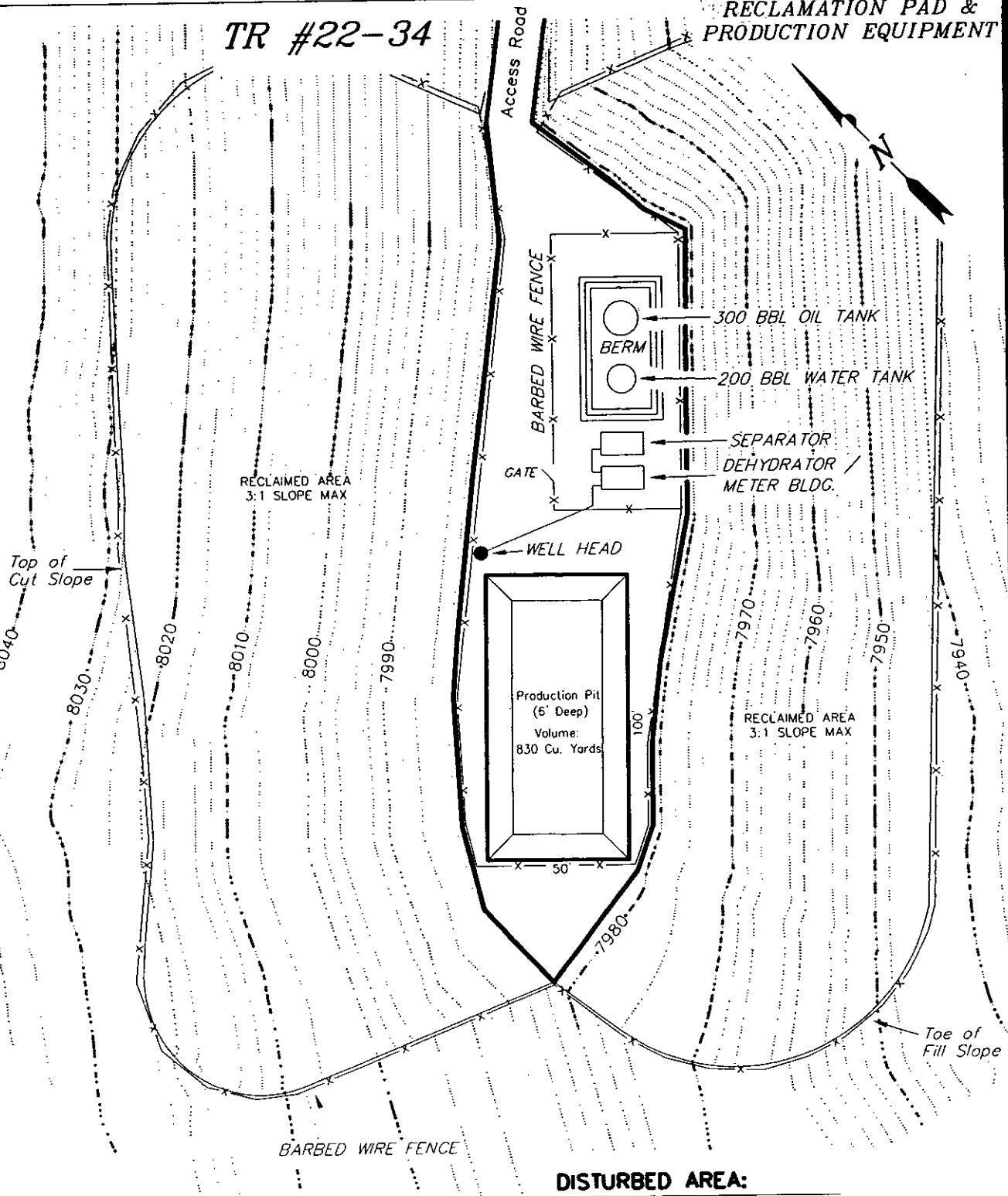
±355' of Proposed Access

WILLIAMS PRODUCTION RMT COMPANY

PLAT # 7

TR #22-34

RECLAMATION PAD & PRODUCTION EQUIPMENT



NOTE:
THIS IS A TYPICAL LAYOUT OF THE PRODUCTION EQUIPMENT. THE SPECIFIC EQUIPMENT LAYOUT FOR THIS WELL MAY VARY DUE TO WELL PRODUCTION AND OPERATOR'S NEEDS.

DISTURBED AREA:

TOTAL DISTURBED AREA = 2.20 ACRES
TOTAL RECLAIMED AREA = 1.88 ACRES
UNRECLAIMED AREA = 0.32 ACRES

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

SURVEYED BY: T.P.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 4-1-04

SHEET: 7 OF 9

FORM

2A

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State of Colorado
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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>Greg Davis</u>		Complete the Attachment Checklist <table border="1"> <thead> <tr> <th></th> <th>Oper</th> <th>CR</th> </tr> </thead> <tbody> <tr> <td>Drill site and access photographs</td> <td></td> <td></td> </tr> <tr> <td>COE Section 404 documentation</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Oper	CR	Drill site and access photographs			COE Section 404 documentation														
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2. Name of Operator: <u>Williams Production RMT Company</u>		No: <u>(303) 606-4071</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>	6. County: <u>Garfield</u>																							
5. Well Name and No: <u>CHEVRON TR 22-34</u>																									
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWNW 34 5S 97W 6th P.M.</u>																									

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>56, 63</u>
Soils Series name: <u>Parachute-</u>	Horizon thickness (in inches): A: <u>0-10"</u> ; B: <u>10-25"</u> ; C: <u>25-29"</u>
<u>Iniquil-</u>	Horizon thickness (in inches): A: <u>0-6"</u> ; B: <u>6-13"</u> ; C: <u>13-17"</u>
<u>Rhone association, 25 to 50% slopes</u>	Horizon thickness (in inches): A: <u>0-10"</u> ; B: <u>10-39"</u> ; C: <u>39-55"(D) 55-59"</u>
<u>Silas Loam, 1 to 12% slopes</u>	Horizon thickness (in inches): A: <u>0-18"</u> ; B: <u>18-45"</u> ; C: <u>45-60"</u>

Plant Community

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

12. Plant species from: <input type="checkbox"/> USNRCS or <input checked="" type="checkbox"/> Field Observation	Date of Observation: <u>3/17/04</u>
List individual species: _____	
13. Check one predominant plant community for the drill site:	
<input type="checkbox"/> Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye, Thistle) <input type="checkbox"/> Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome) <input checked="" type="checkbox"/> Shrub and Brush Land (Mahogany, Oak, <u>Sage</u> , Serviceberry, Chokecherry) <input type="checkbox"/> Plains Deciduous Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk) <input type="checkbox"/> Mountain Conifer Riparian (Spruce, Fir, Ponderosa Pine) <input checked="" type="checkbox"/> Evergreen Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, <u>Juniper</u> , Pinyon) <input type="checkbox"/> Aquatic (Bullrush, Sedges, Cattail, Arrowhead) <input type="checkbox"/> Tundra (Alpine, Willow, Currant, Raspberry) Other (describe): <u>Oak Brush</u>	

14. Was an Army Corps of Engineers Section 404 Permit filed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, attach appropriate documentation.
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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: Greg DavisSigned: Greg DavisTitle: Supervisor PermitsDate: 4/19/04