

"C-20"

State of Colorado Oil and Gas Conservation Commission



FOR OGCC USE ONLY

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

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 (Multi Well Pit)

Attachment Checklist table with columns for Oper and OGCC, and rows for Detailed Site Plan, Topo Map, Water Analysis, etc.

OGCC Operator Number: 10091
Name of Operator: Berry Petroleum Company
Address: 1999 Broadway, Suite 3700
City: Denver State: CO Zip: 80202

Contact Name and Telephone: Chris Freeman
No: 303-999-4400
Fax: 303-999-4401

API Number (of associated well): See attached sheet OGCC Facility ID (of other associated facility): 335621
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NE NW 1/4 Section 20, T 5 South, R 96 West ("Chevron C-20 Pit")
Latitude: 39.605936 Longitude: -108.195339 County: Garfield
Pit Use: Production Drilling Special Purpose
Pit Type: Lined Unlined Surface Discharge Permit: Yes 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: 1,400' ground water: approx. 800' water wells: 13,700'
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): Natural Gas Well Pad
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: CO682 Soil Complex/Series No:
Soils Series Name: Parachute-Irigul Complex, 5 - 30% slopes 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: 180' Width: 68' Depth: 25' + 2' freeboard
Calculated pit volume (bbls): 27,250 Daily inflow rate (bbls/day): variable
Daily disposal rates (attach calculations): Evaporation: bbls/day Percolation: bbls/day
Type of liner material: Polyethylene Plastic Thickness: 24-mil, double lined
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): Separators/Production units, located at production pads.
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: Chris Freeman Signed: [Signature]
Title: Environmental Manager Date: 12/4/09

OGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

COGIS - LOCATION Information



CHEVRON-65S96W - #335621 Information

Status: AC

| | |
|---|---|
| Location ID: 335621 | Location Name/No: CHEVRON-65S96W /20NENW |
| Location Status: AC | Status Date: 4/14/2009 |
| Operator Name: BERRY PETROLEUM COMPANY | Operator Number: 10091 |
| County: GARFIELD - #045 | Location: NENW 20 5S 96W |
| | Lat/Long: 39.606006/-108.195219 |

Facility Type: **LOCATION**

Facility Well(s)

| | |
|--|---|
| API Number: <u>05-045-09079</u> | Operator Name: BERRY PETROLEUM COMPANY |
| Well Status: PR | |

| | |
|--|---|
| API Number: <u>05-045-12652</u> | Operator Name: BERRY PETROLEUM COMPANY |
| Well Status: PR | |

| | |
|--|---|
| API Number: <u>05-045-12653</u> | Operator Name: BERRY PETROLEUM COMPANY |
| Well Status: PR | |

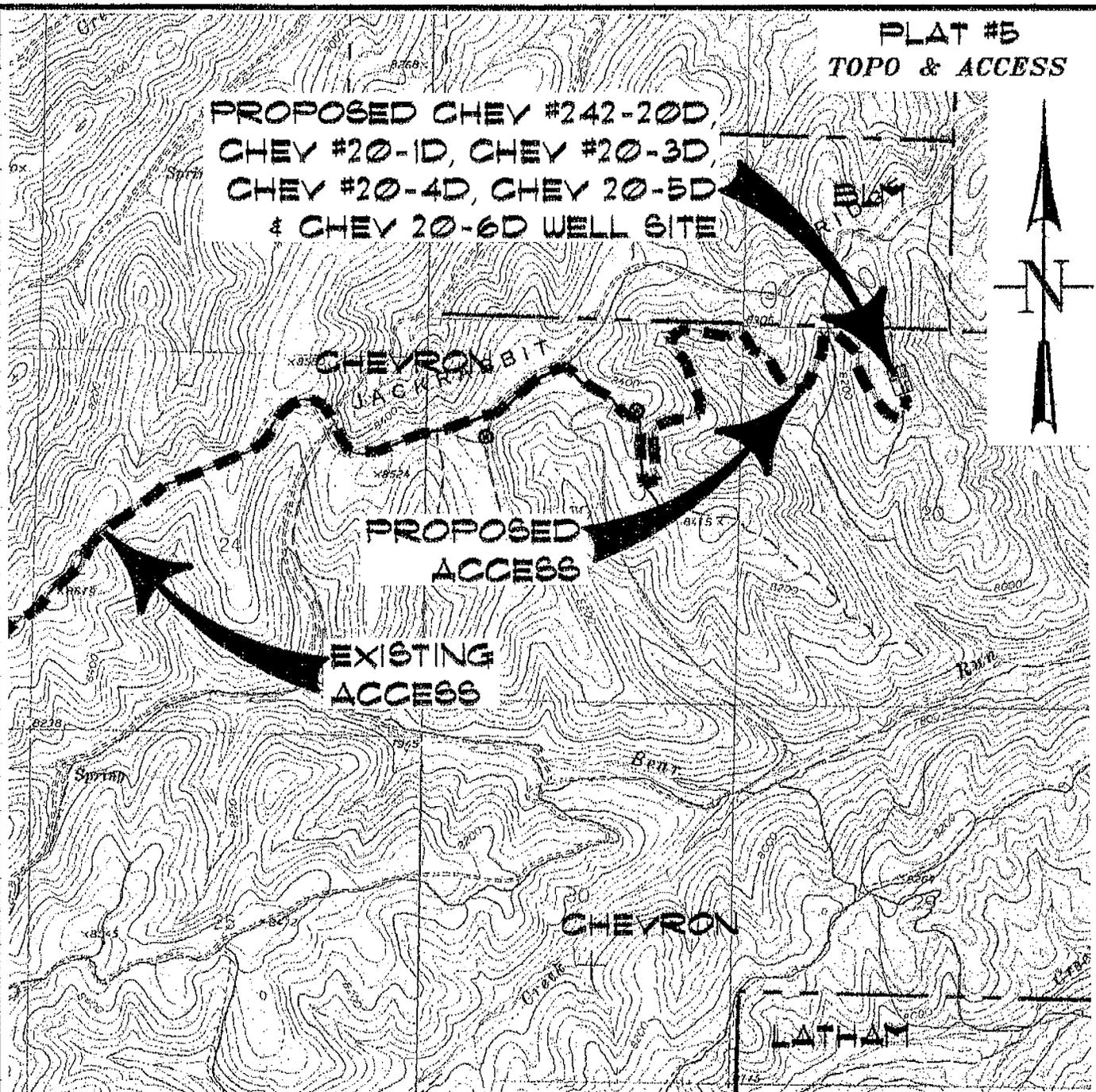
| | |
|--|---|
| API Number: <u>05-045-12654</u> | Operator Name: BERRY PETROLEUM COMPANY |
| Well Status: PR | |

| | |
|--|---|
| API Number: <u>05-045-12655</u> | Operator Name: BERRY PETROLEUM COMPANY |
| Well Status: SI | |

| | |
|--|---|
| API Number: <u>05-045-12656</u> | Operator Name: BERRY PETROLEUM COMPANY |
| Well Status: PR | |

**PLAT #5
TOPO & ACCESS**

**PROPOSED CHEV #242-20D,
CHEV #20-1D, CHEV #20-3D,
CHEV #20-4D, CHEV 20-5D
& CHEV 20-6D WELL SITE**



ACCESS:

FROM THE BEGINNING OF JACKRABBIT RIDGE ROAD APPROXIMATELY 30 MILES FROM THE LOGAN WASH ROAD TURNOFF, PROCEED IN A GENERAL NORTHEASTERLY DIRECTION ± 2.6 MILES TO AN INTERSECTION WITH A DIRT/GRAVEL ROAD ON THE RIGHT, PROCEED RIGHT IN A GENERAL SOUTHEASTERLY DIRECTION ± 0.4 MILES TO A PROPOSED FLAGGED ACCESS CENTERLINE ON THE LEFT, PROCEED LEFT IN A GENERAL NORTHEASTERLY DIRECTION ± 1.5 MILES TO THE PROPOSED CHEV #242-20D, CHEV #20-1D, CHEV #20-3D, CHEV #20-4D, CHEV 20-5D & CHEV 20-6D WELL SITE BEING THE LOCATION.



CONSTRUCTION SURVEYS, INC.
0012 SUNRISE BLYD.
BILT, CO 81652
(970)876-5753

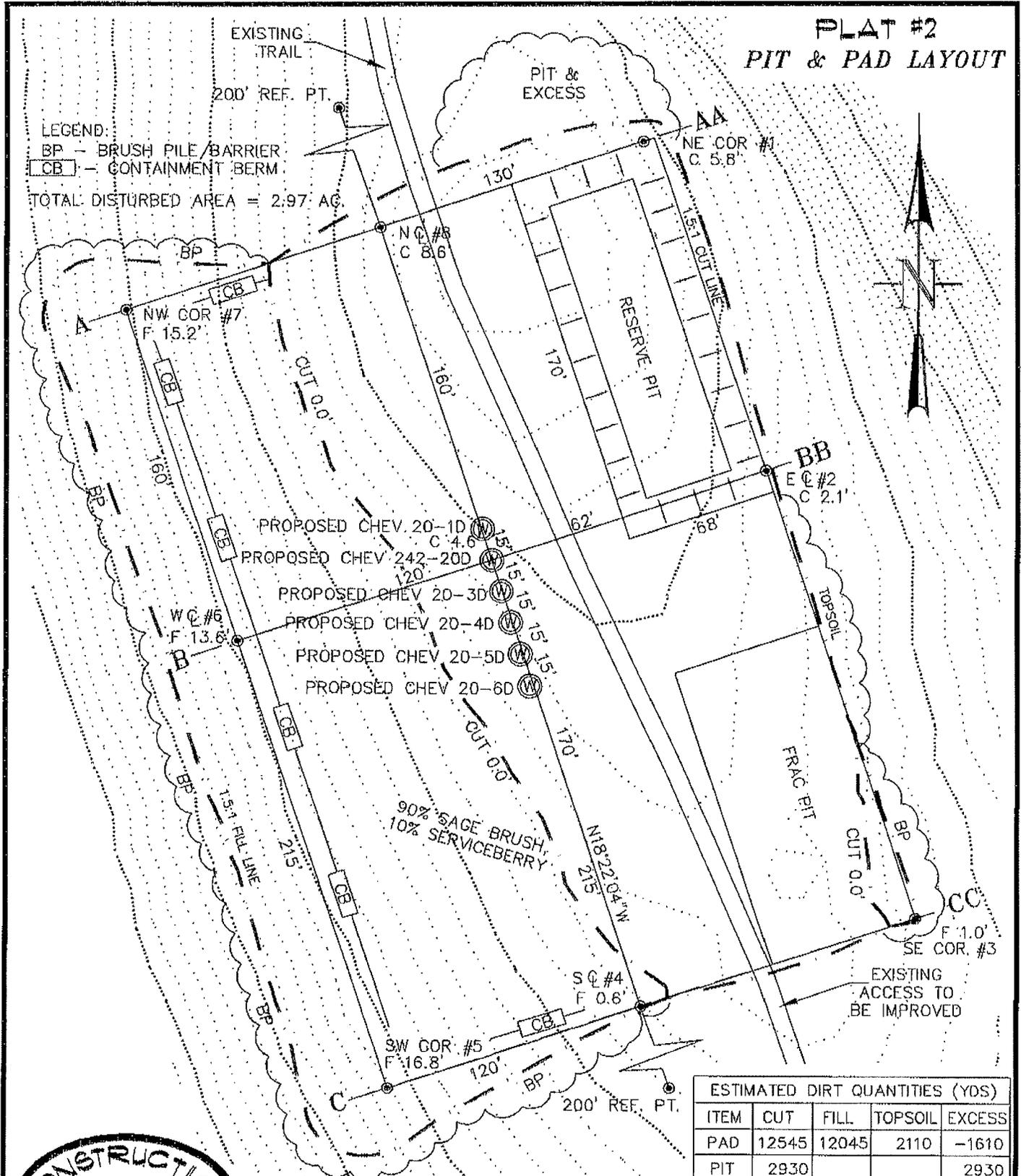
**BERRY PETROLEUM
COMPANY**

SCALE: 1" = 2000'

SHEET 5 OF 9

PLAT #2 PIT & PAD LAYOUT

LEGEND:
 BP - BRUSH PILE/BARRIER
 CB - CONTAINMENT BERM
 TOTAL DISTURBED AREA = 2.97 AC



| ESTIMATED DIRT QUANTITIES (YDS) | | | | |
|---------------------------------|--------------|--------------|-------------|-------------|
| ITEM | CUT | FILL | TOPSOIL | EXCESS |
| PAD | 12545 | 12045 | 2110 | -1610 |
| PIT | 2930 | | | 2930 |
| TOTALS | 15475 | 12045 | 2110 | 1320 |



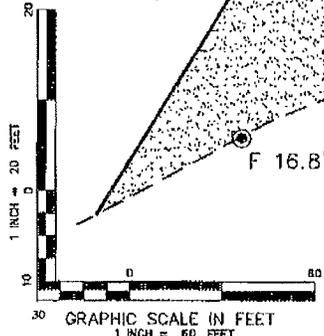
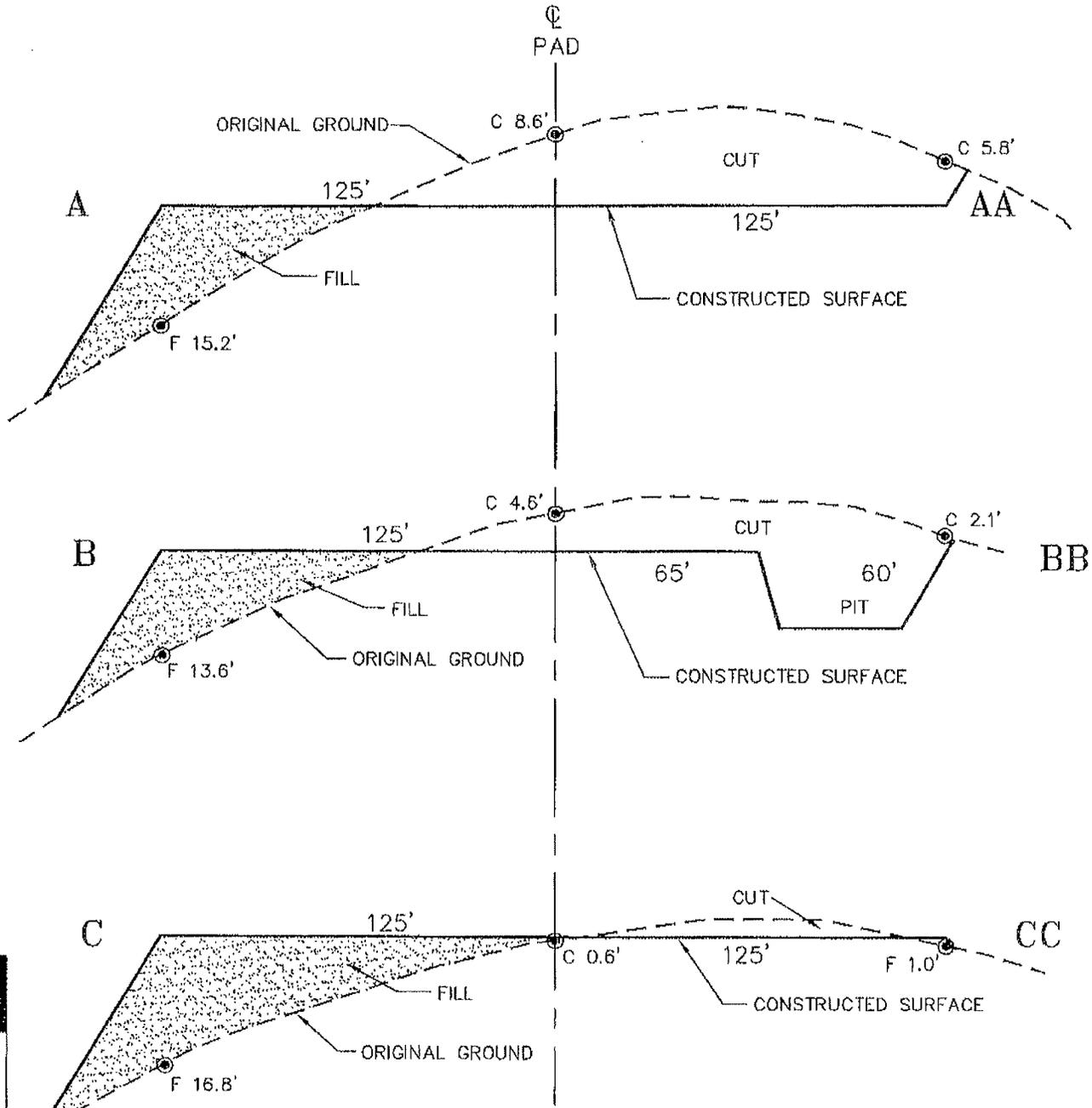
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 0012 SUNRISE BLVD.
 SILT, CO 81652
 (970)876-5753

BERRY PETROLEUM COMPANY

REVISED: 10/12/06
 SCALE: 1" = 60'

SHEET: 2 of 9

PLAT #3
CROSS SECTIONS OF PIT & PAD



NOTE:
ALL CUT/FILL SIDE SLOPES ARE
1.5:1 UNLESS OTHERWISE NOTED.



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