

11-19

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

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.

FORM SUBMITTED FOR:

☐ Pit Report☒ Pit Permit (Multi Well Pit)

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

Complete the
Attachment Checklist

Oper OGCC

Detailed Site Plan	<input checked="" type="checkbox"/>	
Topo Map w/ Pit Location	<input checked="" type="checkbox"/>	
Water Analysis (Form 25)		
Source Wells (Form 26)	<input checked="" type="checkbox"/>	
Pit Design/Plan & Cross Sect	<input checked="" type="checkbox"/>	
Design Calculations		
Sensitive Area Determ.		
Mud Program		
Form 2A		

API Number (of associated well): See attached sheet

OGCC Facility ID (of other associated facility): 335869

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NE SE 1/4 Section 19, T 5 South, R 96 West

Latitude: 39.600058

Longitude: -108.204013

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: 3,385'

ground water: approx. 800'

water wells: 18,000'

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:

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: 195'

Width: 60'

Depth: 18' + 2' freeboard

Calculated pit volume (bbls): 18,750

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:

Title: Environmental Manager

Date: 12/14/09

OGCC Approved:

Title:

Date:

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

COGIS - LOCATION Information



CHEVRON-65S96W - #335869 Information

Status: ACLocation ID: **335869**Location Name/No: **CHEVRON-65S96W /19NESE**Location Status: **AC**Status Date: **4/14/2009**Operator Name: **BERRY PETROLEUM COMPANY** Operator Number: **10091**County: **GARFIELD - #045**Location: **NESE 19 5S 96W**Lat/Long: **39.600058/-108.204013**Facility Type: **LOCATION**

Facility Well(s)

API Number: **05-045-12657**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **XX**API Number: **05-045-12658**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **XX**API Number: **05-045-12695**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **PR**API Number: **05-045-12696**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **PR**API Number: **05-045-12697**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **XX**API Number: **05-045-12698**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **PR**API Number: **05-045-14299**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **PR**API Number: **05-045-14697**Operator Name: **BERRY PETROLEUM COMPANY**Well Status: **XX**

PLAT #2
PIT & PAD LAYOUT

200' REF. PT. (top center)
 200' REF. PT. (bottom center)

EXISTING JEEP TRAIL (top left)
 SECTION 19 CENTERLINE (left edge)
 RE-ALIGN ROAD AROUND PAD (top right)

NE COR #1 (top right)
 NW COR #7 (top left)
 SW COR #5 (bottom left)
 SE COR #3 (bottom right)

BP (BRUSH PILE/BARRIER)
 CB (CONTAINMENT BERM)

PROPOSED CHEV 19-16D
 PROPOSED CHEV 20-10D
 PROPOSED CHEV 20-9D
 PROPOSED CHEV 19-10D
 PROPOSED CHEV 19-342
 PROPOSED CHEV 19-15D
 PROPOSED CHEV 19-3D
 PROPOSED CHEV 19-4D

RESERVE PIT
 90% SAGE BRUSH
 10% SERVICEBERRY

1.5:1 CUT LINE
 1.5:1 FILL LINE

8360, 8370, 8380, 8390 (elevation markers)

LEGEND:
 BP - BRUSH PILE/BARRIER
 CB - CONTAINMENT BERM

TOTAL DISTURBED AREA = 2.97 AC.

REVISED: 7/12/07

ESTIMATED DIRT QUANTITIES (YDS)				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	11223	9314	1902	7
PIT	3389			3389
TOTALS	14612	9314	1902	3396

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

REVISED: 3/15/07

BERRY PETROLEUM COMPANY

SCALE: 1" = 60'

SHEET: 2 of 9

ESTIMATED DIRT QUANTITIES (YDS)				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	11223	9314	1902	7
PIT	3389			3389
TOTALS	14612	9314	1902	3396

TOTAL DISTURBED AREA = 2.97 AC.

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REVISED: 3/15

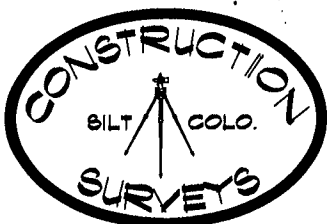
SCALE: 1"

REVISÉD: 3/15/07

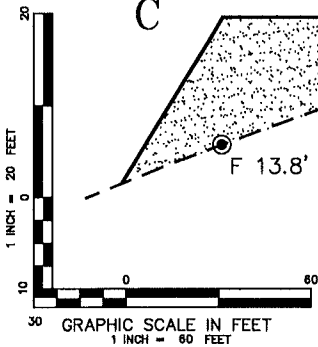
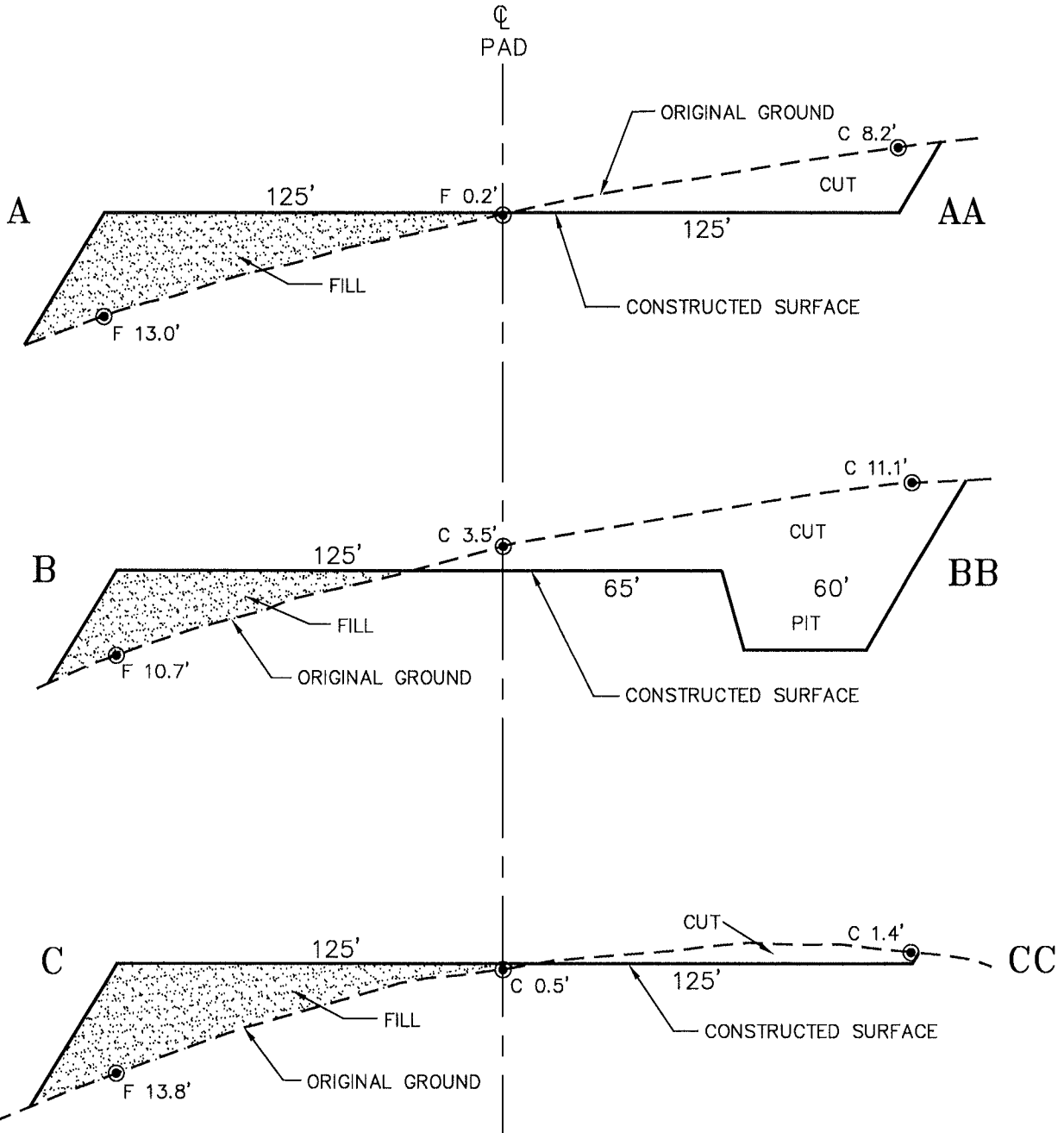
SCALE: 1" = 60'

**BERRY PETROLEUM
COMPANY**

SHEET: 2 of 9



PLAT #3
CROSS SECTIONS OF PIT & PAD



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



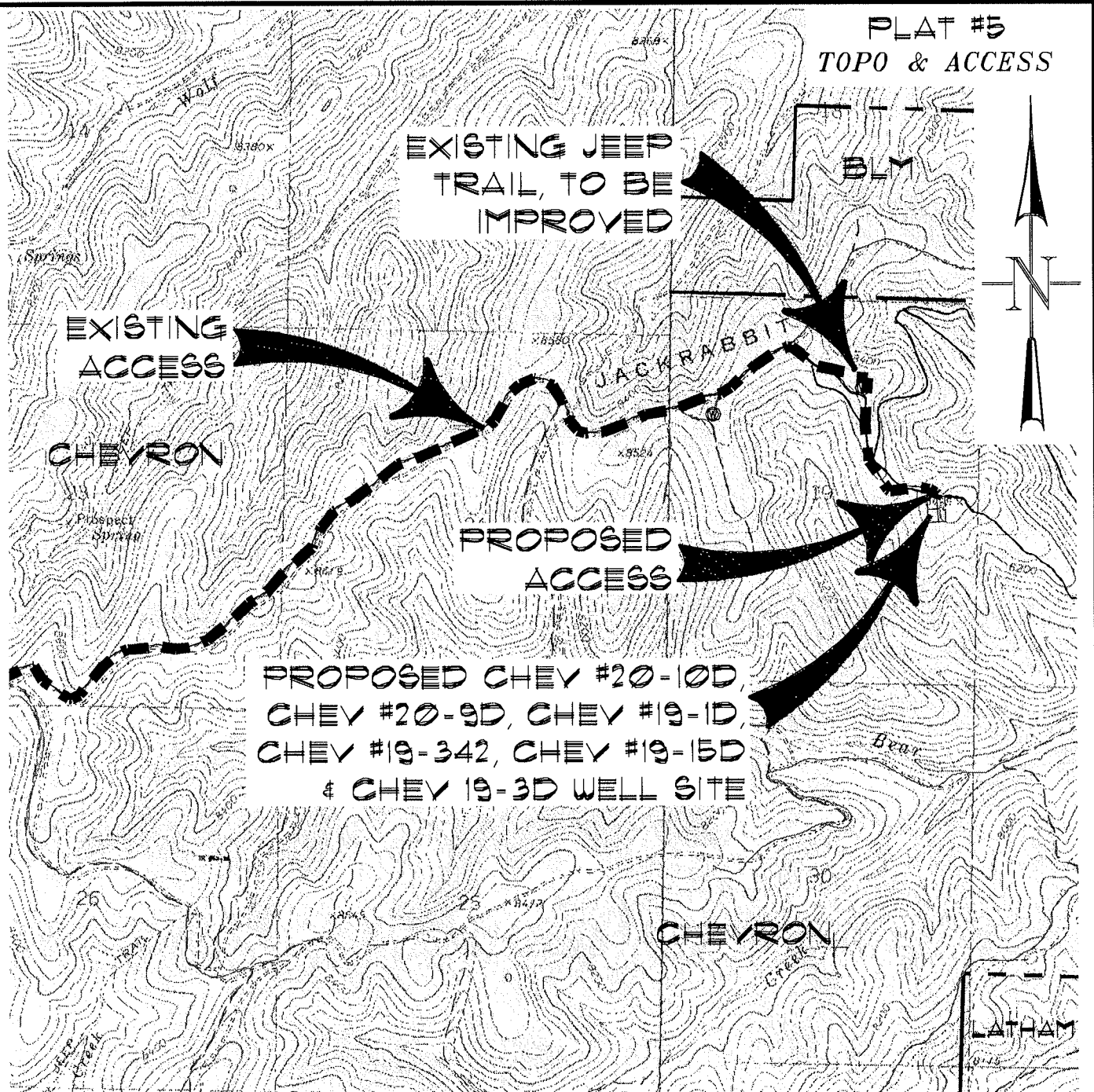
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 COMPANY

SCALE: AS SHOWN

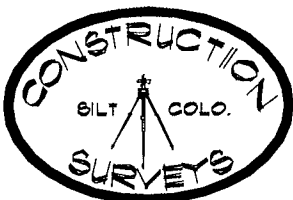
SHEET: 3 of 9

PLAT #5
TOPO & ACCESS



ACCESS:

FROM THE JACKRABBIT RIDGE ROAD, PROCEED IN A GENERAL NORTHEASTERLY DIRECTION TO THE END OF THE IMPROVED WELL ACCESS ROAD, PROCEED IN A GENERAL SOUTHEASTERLY DIRECTION ± 0.6 MILES ALONG AN EXISTING JEEP TRAIL TO AN INTERSECTION WITH A PROPOSED FLAGGED ACCESS CENTERLINE ON THE RIGHT, PROCEED RIGHT IN A GENERAL SOUTHERLY DIRECTION ± 50 FEET TO THE PROPOSED CHEV #20-10D, CHEV #20-9D, CHEV #19-1D, CHEV #19-342, CHEV #19-15D & CHEV #19-3 WELL SITE, BEING THE LOCATION.



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REVISED: 3/15/07

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SCALE: 1" = 2000'

SHEET 5 OF 9