

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

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FOR OGCC USE ONLY

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OGCC

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

OGCC Operator Number: 69100
Name of Operator: PETROGULF CORPORATION
Address: 518 17th Street, Suite 1455
City: Denver State: CO Zip: 80202

Contact Name and Telephone:
John W. Whisler
No: 303-893-5400 Ext. 130
Fax: 303-893-0519

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

3/26/07

API Number (of associated well): 05-067-09305 OGCC Facility ID (of other associated facility): 288776
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW, SEC 21, T33N, R10W, NMPM
Latitude: 37.09070 N Longitude: 107.94365 W County: La Plata
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: COX CANYON Pit/Facility No: 21-3
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: 1850' APRX ground water: 100' water wells: 2451'
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: 20 Soil Complex/Series No: 82
Soils Series Name: Zyme-Rock Outcrop Complex Horizon thickness (in inches): A: 0-1" ; B: 1-4" ; C: 4-10"
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: 40' Width: 20' Depth: 8'
Calculated pit volume (bbls): 1140 Daily inflow rate (bbls/day): NA
Daily disposal rates (attach calculations): Evaporation: 9.35 bbls/day Percolation: NA bbls/day
Type of liner material: Polyethylene w/ 8oz Woven Geotextile Felt Rock Guard Thickness: 16 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: PAUL GOTTLÖB

Signed: Paul Gottlob

Title: Regulatory / Engineering Spec.

Date: 2-13-2007

OGCC Approved: [Signature]

Title: EPS II

Date: 3/26/07

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

289880

Pit report only. Follow Pit Rules
closure requirements in Rules 900 & 1000.

PETROGULF CORPORATION
COX CANYON 21-3
SURFACE HOLE: 2,217' FNL, 1,317' FWL,
SECTION 21, T-33-N, R-10-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO
LAT: 37.09070° N, LONG: 107.94365° W, NAD 83
ELEVATION AT STAKE = 6,759' NAVD88

DRIVING DIRECTIONS

-From the Post Office in Durango, Colorado,
 -Head west from W 6th St - go 300 ft.
 -Turn left at Camino Del Rio - go 0.5 mi to intersection of Camino Del Rio
 and US 160 and US 550.
 -Bear left at US-160/US-550, go 4.4 mi. to division of US 550 and US 160.
 -Turn right on US 550, go 13 miles South on US 550 to CR 213.
 -Turn hard right at CR-213 - go 3.5 mi.
 -Turn left at Rancho Durango Rd - go 3.2 mi.
 -Turn right at High Flume Road - go 0.2 mi. Location is on Left Just Before
 Existing Cox Canyon #1B Location.

PETROGULF CORPORATION
COX CANYON 21-3
OVERLAPS EXISTING
COX CANYON #1B
WELL PAD

High Flume Rd
 (Private)

LUCAS, LINNEA P & S ET AL
 APN 5949212000

Cox Canyon Rd
 (Private)

Rancho Durango Rd

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CR 213

US
 550

1 inch equals 4,000 feet
 0 2,000 4,000 8,000
 Feet

JMAS

JOHNSON MAPPING
 AND SURVEYING, LLC
 PO BOX 2174,
 FARMINGTON NM 87499-2174

REV: 8/15/06

ARC MAP:

POSITION VELOCITY MAP.MXD

PETROGULF CORPORATION COX CANYON 21-3

SURFACE HOLE: 2,217' FNL, 1,317' FWL,
BOTTOM HOLE LOCATION: 690' FNL, 1950' FWL
SECTION 21, T-33-N, R-10-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO
LAT: 37.09070° N, LONG: 107.94365° W, NAD 83
ELEVATION AT STAKE = 6,759' NAVD88

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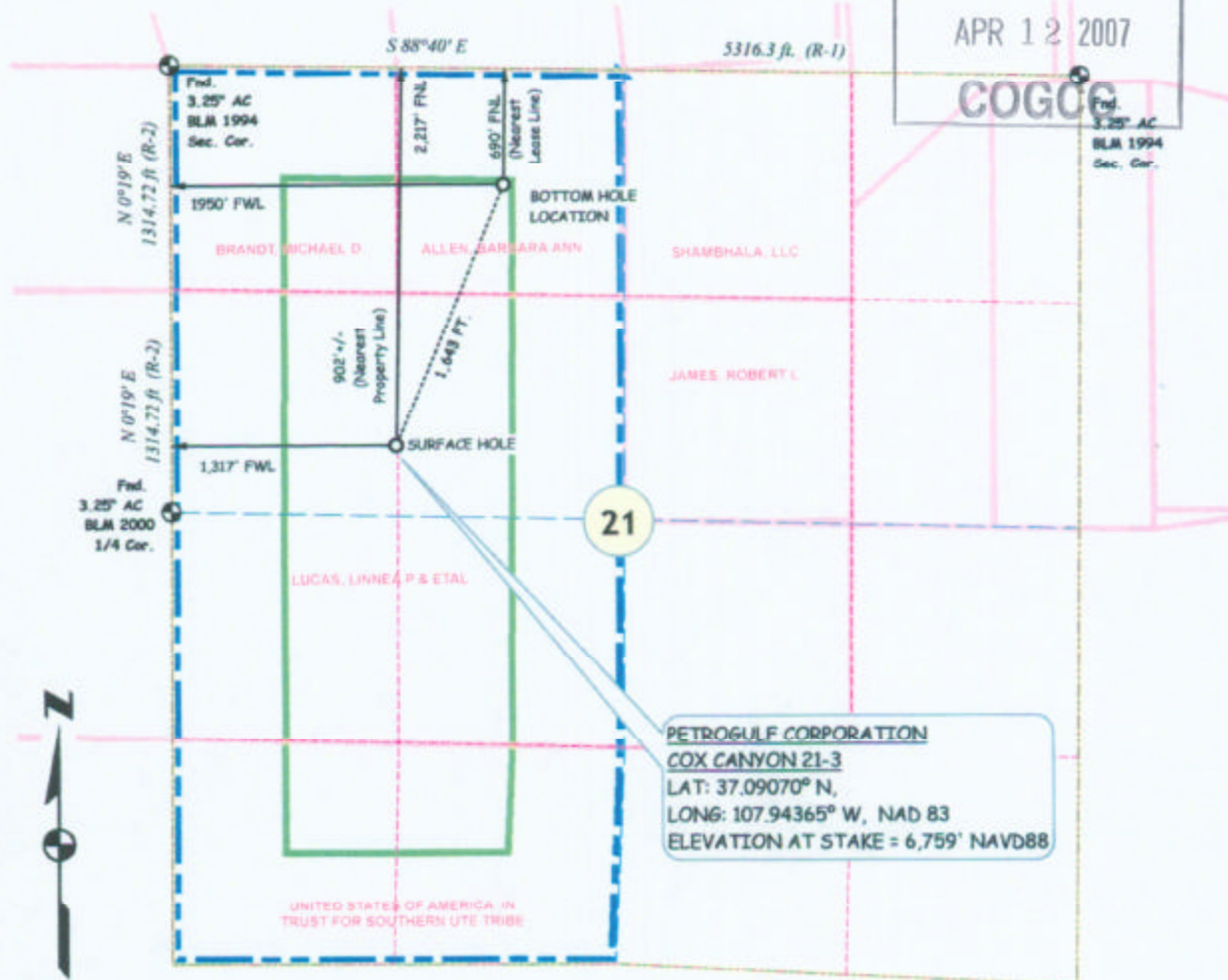
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NOTES:

1. CURRENT LAND USE IS RANGELAND AND EXISTING WELL LOCATION.
2. SEE ATTACHED ADDENDUM FOR IMPROVEMENTS, AND PROPERTY LINES WITHIN 200' OF BORE.
3. DATE OF SURVEY 7-19-06
4. (R-1) = BLM DEPENDENT RESURVEY APPROVED APRIL 14, 1998
5. (R-2) = BLM CORRECTIVE RESURVEY AND DEPENDENT RESURVEY, APPROVED MAY 9, 2000
6. SURFACE PARCEL INFORMATION SOURCE = LA PLATA COUNTY GIS DATABASE.

0 500 1,000 2,000 Feet
1 inch equals 1,000 feet

BASIS OF ELEVATION = NAVD88 AS PREDICTED BY GEOID03
GPS FEATURES COLLECTED AT PDOP VALUE OF 6 OR LESS.
DIMENSIONS TO SECTION LINES ARE MEASURED AT 90° TO SECTION LINES.

Legend

- WINDOW
- SURFACE OWNERS
- LEASE
- DIRECTIONAL

BASIS OF BEARING = BETWEEN MONUMENTS FOUND AT THE NORTHWEST CORNER AND THE NORTHEAST CORNER OF SECTION 17, T-33-N, R-09-W, N.M.P.M., COLORADO, LINE BEARS S89°40'E PER (R-1) RECORD MAP

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DAVID ALEXANDER JOHNSON LICENSE NO. 33648 DATE 1-8-07
STATE OF COLORADO

JMAS

JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174, FARMINGTON NM 87499-2174

ARC MAP

PGC01 SECTION DIAGRAM.MXD

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PETROGULF CORPORATION
COX CANYON 21-3
SURFACE HOLE: 2,217' FNL, 1,317' FWL,
SECTION 21, T-33-N, R-10-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO
LAT: 37.09070° N, LONG: 107.94365° W, NAD 83
ELEVATION AT STAKE = 6,759' NAVD88

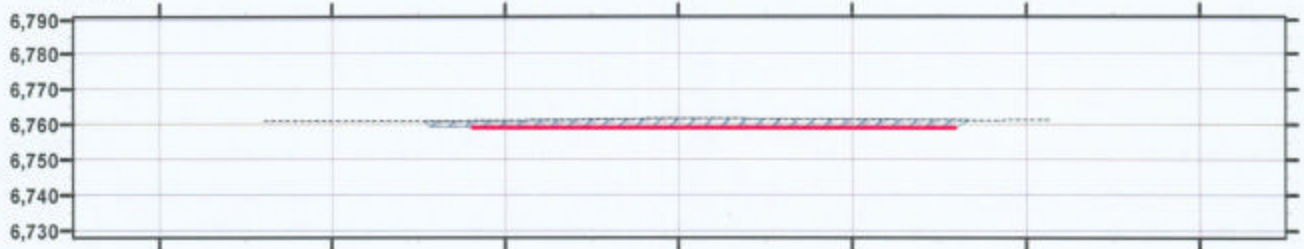


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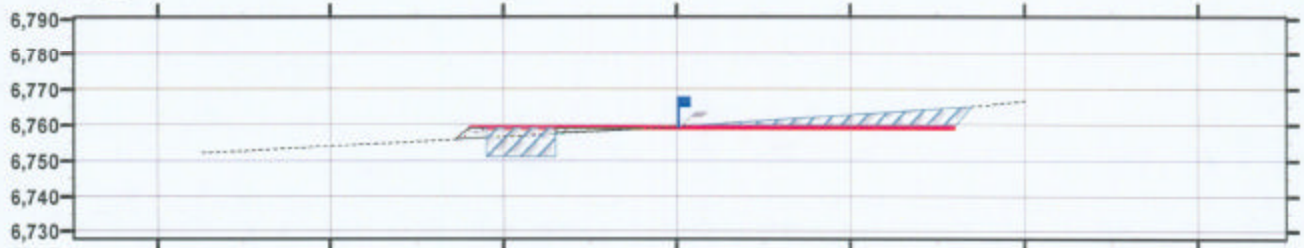
1 inch equals 100 feet
0 50 100 200 Feet



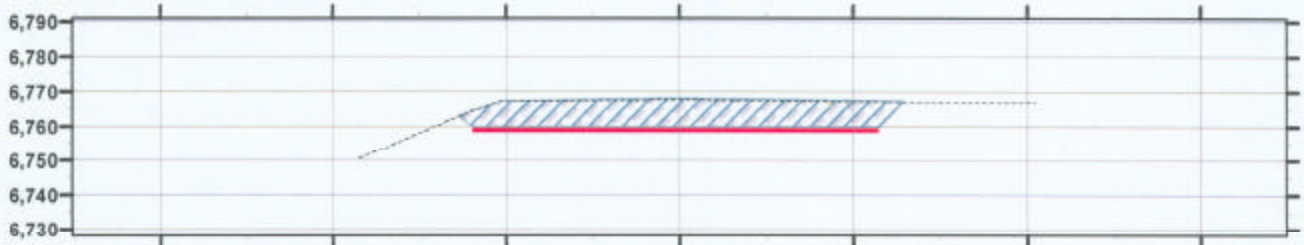
A-A'



B-B'



C-C'



NOTES:

- DATE OF SURVEY 7-19-06
- Elevation Datum = NAVD88
- THE LOCATIONS OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

PGC011 PTPAD.mxd

2-12-07

JMAS

JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174
FARMINGTON NM 87499-2174
johnson@johnsonmapping.biz



COX CANYON 21-3
SWNW Sec. 21-T33N-R10W
LA PLATA COUNTY, CO

PIT CROSS SECTION

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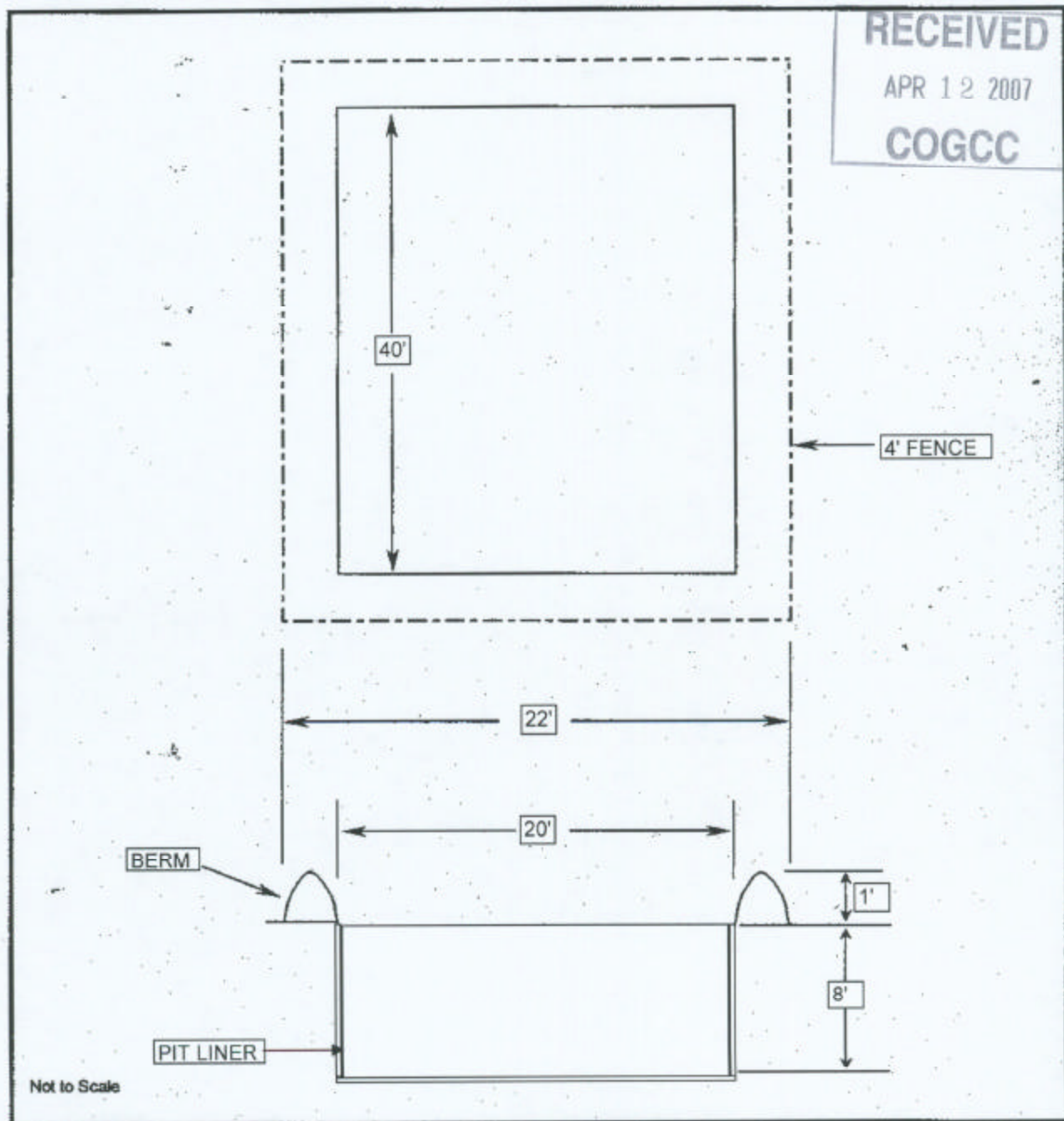
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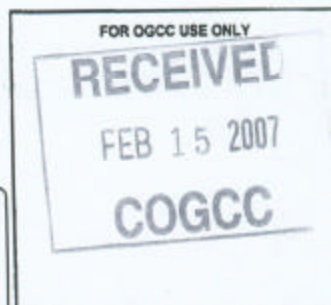
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State of Colorado
Oil and Gas Conservation Commission

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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 is from United States Natural Resources Conservation Services (USNRCS).

1. OGCC Operator Number: 69100

2. Name of Operator: PETROGULF CORPORATION

3. Address: 518 17th Street, Suite 1455

City: DENVER State: CO Zip: 80202

5. Well Name and No.: Cox Canyon 21-3

4. Contact Name and Telephone:

JOHN W. WHISLER (EXT 130)

No: (303) 893-5400

Fax: (303) 893-0519

6. County: La Plata

7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW - 21 - 33N-10W NMPM

**Complete the
Attachment Checklist**

	OGC	OGCC
Drill site and access photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COE Section 404 documentation	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

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: 20 Soil Complex/Series No: 82

Soils Series Name: Zyme-Rock Outcrop Complex Horizon thickness (in inches): A: 0-1" B: 1-4" C: 4-10"

Soils Series Name: _____ Horizon thickness (in inches): A: _____ B: _____ C: _____

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: _____

List individual species: Indian ricegrass, western wheatgrass, needleand thread, blue grama, pinyon, Rocky Mtn juniper, mountainmahogany, Gambel oak, bitterbrush, serviceberry, and big sagebrush

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: PAUL GOTTLOB

Signed: Paul Gottlob Title: Regulatory Spec. Date: 2-13-2007