

FORM
15
Rev 6/99

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State of Colorado

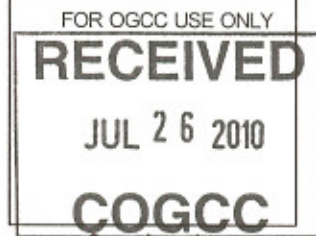
Oil and Gas Conservation Commission



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

Oper OGCC

FORM SUBMITTED FOR:

☒ Pit Report☐ Pit Permit

OGCC Operator Number: 69760

Name of Operator: Petron Development Company

Address: 1899 W. Littleton Blvd.

City: Littleton State: CO Zip: 80120

Contact Name and Telephone:

Jim Walker

No: 303-794-5300

Fax: 303-794-5356

Detailed Site Plan	Oper	OGCC
Topo Map w/ Pit Location	✓	
Water Analysis (Form 25)	✓	
Source Wells (Form 26)		
Pit Design/Plan & Cross Sect		
Design Calculations		
Sensitive Area Detem.	✓	
Mud Program		
Form 2A	✓	

API Number (of associated well): 125-09675-00

OGCC Facility ID (of other associated facility): N/A

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SESE Sec. 31 T5N R46W 6th pm

Latitude: 40.35307

Longitude: -102.53259

County: Yuma

Pit Use: ☒ Production ☐ Drilling (Attach mud program) ☐ Special Purpose (Describe Use):Pit Type: ☐ Lined ☒ Unlined Surface Discharge Permit: ☐ Yes ☒ NoOffsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: Warren Farms Pit/Facility No: 4-31

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 mile ground water: +183 water wells: 960'

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 ☐ CRPNon-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: See Form 2A Soil Complex/Series No: _____

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: 15' Width: 20' Depth: 6'

Calculated pit volume (bbls): 80 Daily inflow rate (bbls/day): 2 bbls./day

Daily disposal rates (attach calculations): Evaporation: 2-3 bbls./day bbls/day Percolation: 0 bbls/day

Type of liner material: Bentonite Thickness: 1"

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): N/A

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: Jim Walker

Signed:

Title: Sec/Treas.

Date: 7/20/10

OGCC Approved:

Title: EPS

Date: 8/31/10

CONDITIONS OF APPROVAL, IF ANY:

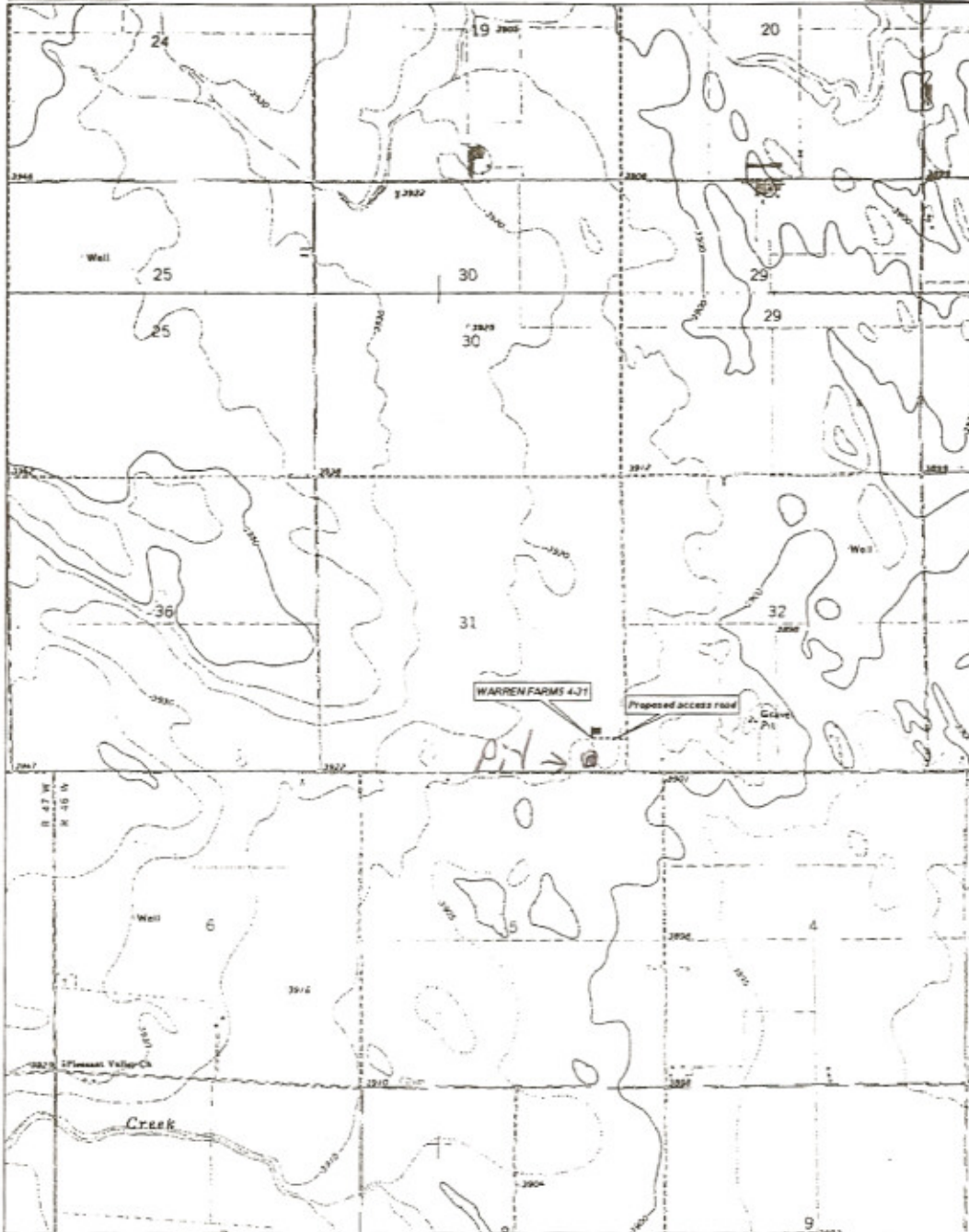
FACILITY NUMBER:

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DeLORME



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www.delorme.com

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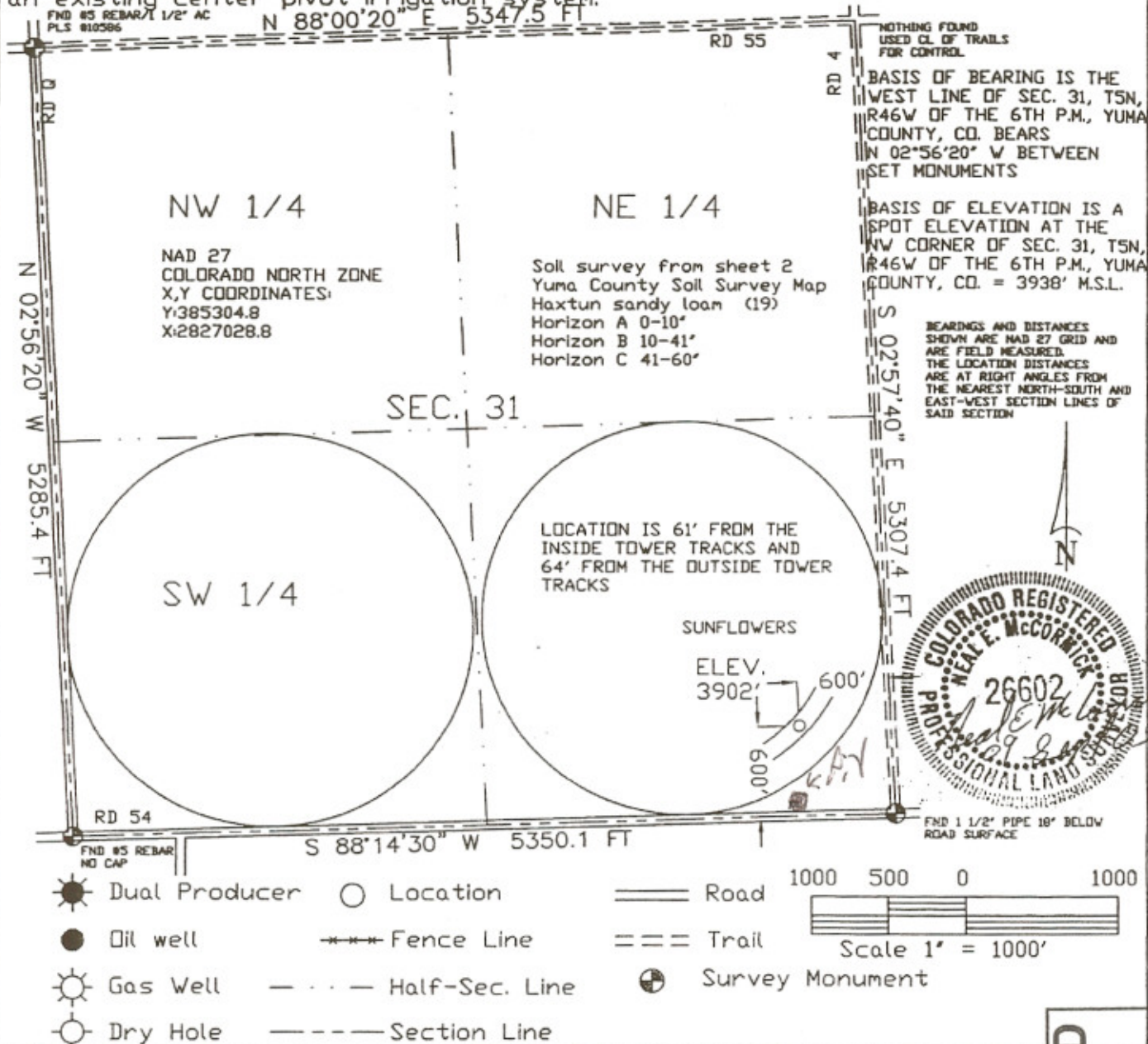
0 800 1600 2400 3200 4000 ft
Data Zoom 13-1

The accompanying plat is an accurate representation showing the location of a proposed well. This location may be described as a point 600 feet North of the South line, and 600 feet West of the East line of Section 31, Township 5 North, Range 46 West of the 6th P.M., Yuma County, Colorado.

The surface elevation at this point is 3902 feet above m.s.l.

Note: This is not a land survey plat.

There are no visible improvements within 200 feet of the location except an existing center pivot irrigation system.



GREAT PLAINS
SURVEYING, INC.

P.O. Box 296
Holyoke, CO 80734

Phone 970-774-3602
Fax 970-774-3601

DATE OF FIELD WORK:	DATE OF DRAWING:
08 SEPTEMBER 2005	09 SEPTEMBER 2005
WARREN FARMS 4-31	
SE 1/4 SE 1/4 SEC. 31, T5N, R46W	
PETRON DEVELOPMENT COMPANY	
YUMA COUNTY, COLORADO	

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W315N46GPS

7302-107



SERVICE FRACTURING COMPANY

P. O. BOX 1387 - PH. 303 867-3087 - FT. MORGAN, COLO. 80701

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WATER ANALYSIS - Sample

DATE: 30-Jun-88 SAMPLE #: W-303

OPERATOR: Don Walker
1899 W. Littleton Blvd.
Littleton, CO. 80120

LEASE: Mitcher #1-29

FORMATION:

=====

CATIONS

Sodium, Na:	132.00
Calcium, Ca:	6.15
Potassium, K:	77.50

ANIONS

Chlorides, Cl:	9,700.00
Sulfates, SO4:	< 50
Bicarbonates, HCO3:	1,037.00

TOTAL DISSOLVED SOLIDS

Total:	13,324.00	Specific Gravity:	1.009
Iron, Fe:	0.00	pH:	8.0
Sulfide As H2S:	0.00	Resistivity (ohms):	0.415
		Total Hardness:	0.60

=====

REMARKS:

Sample Taken From Wellhead.

NOTE:

All measurements are in parts-per-million.

Total dissolved solids and resistivity are calculated measurements.



Warren Farms 4-31

Sensitive Area Determination

1. Box 1 – Yes
Box 2 – Yes
Box 3 – No
Box 3 - No
Box 3 – No – Estimated depth to ground water 183 feet.
2. The pit receives less than 5 bbls. of water per day.

Figure 901-1
SENSITIVE AREA DETERMINATION
Decision Tree

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**OUTSIDE
SENSITIVE
AREAS**

-New E&P waste management facilities shall be allowed outside Sensitive Areas. Points of Compliance shall be established as appropriate.

-Where complaints are made, Points of Compliance may be established for existing facilities.

**INSIDE
SENSITIVE
AREAS**

-E&P waste management facilities shall not be allowed unless the operator demonstrates no potential for significant adverse environmental impact.

-Facilities which are permitted may have Points of Compliance established.

NO

BOX 1: Is discharge water or waste:
>1.25 x background ppm TDS
>250 mg/l Chloride or
1.25 x background
>250 mg/l Sulfate or
1.25 x background
> 5 µg/l Benzene
> 1000 µg/l Toluene
> 700 µg/l Ethylbenzene
> 1,400 µg/l Total Xylenes

YES

NO

BOX 2: Is the site underlain by an unconfined aquifer or recharge zone?

YES

YES

BOX 3: is the hydraulic conductivity of the underlying soils and geologic material less than or equal to 10^{-6} cm/sec?

NO

BOX 4: Is the site within an area classified for domestic use by WQCC, or a local (water supply) wellhead protection area (WHPA)?

YES

NO

BOX 5: Is the location within 1/8 mi. of a domestic water well, or 1/4 mi. of a public water supply well, using the same aquifer?

YES

NO

NO

BOX 6: Is the depth to the average high ground water table <20', from the deeper of the ground surface, pit bottom or from the point of spill/release? (*see footnote)

YES

** Additional requirements may be imposed by the Director in accordance with Rule 901.c.*



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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: 72555

2. Name of Operator: Puckett-Warren Oil

3. Address: 1899 W. Littleton Blvd.

City: Littleton State: CO Zip: 80120

5. Well Name and No.: Warren Farms 4-31

4. Contact Name and Telephone:

Jim Walker

No: (303) 794-5300

Fax: (303) 794-5356

6. County: Yuma

7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SESE, 31 - T5N - R46W

Complete the
Attachment Checklist

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

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: 2 Soil Complex/Series No: 23

Soils Series Name: Haxtun Sandy Loam Horizon thickness (in inches): A: 0-10" B: 10-41" C: 41-60"

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: _____

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: Jim Walker

Signed: [Signature] Title: Sec./Treas. Date: 10/11/2005