



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 Type: PERMIT REPORT OGCC PIT NUMBER: _____

NOTE: Operator to provide OGCC Pit Number only if available on an existing pit for pit report

OGCC Operator Number: 10084 Contact Name: David Castro
Name of Operator: PIONEER NATURAL RESOURCES USA INC
Address: 1401 17TH ST STE 1200 Phone: (303) 2988100
City: DENVER State: CO Zip: 80202 Email: david.castro@pxd.com

ATTACHMENTS

Table with 2 columns: Attachment Name, Status. Rows include Detailed Site Plan, Design/Cross Sec, Topo Map, Calculations, Sensitive Area Info, Mud Program, Form 2A, Form 26, Water Analysis.

Pit Location Information

Operator's Pit/Facility Name: San Pablo 11-4 WD Operator's Pit/Facility Number:
API Number (associated well): 05- 071 09916 00
OGCC Location ID (associated location): 434830 Or Form 2A #
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): nwnw-4-33s-67w-6
Latitude: 37.206340 Longitude: -104.898530 County: LAS ANIMAS

Operation Information

Pit Use/Type (Check all that apply): Pit Type: Lined Unlined
Production: Skimming/Settling; Produced Water Storage; Percolation; Evaporation
Special Purpose: Emergency; Blowdown; Workover; Plugging; BS&W/Tank Bottoms
Method of treatment prior to discharge into pit: separator
Offsite disposal of pit contents: Injection; Commercial; Reuse/Recycle; NPDES; Permit Number: CO0047767

Site Conditions

Distance (in feet) to the nearest surface water: 555 Ground Water (depth): 55 Water Well: 465
Is this location in a Sensitive Area? Yes Existing Location?

Pit Design and Construction

Size of Pit (in feet): Length: 100 Width: 40 Depth: 12 Calculated Working Volume (in barrels): 8548
Flow Rates (in bbl/day): Inflow: 0 Outflow: 0 Evaporation: 0 Percolation: 0
Primary Liner. Type: PVCr Thickness (mil): 30
Secondary Liner (if present): Type: Thickness (mil):
Is Pit Fenced? Yes Is Pit Netted? No Leak Detection?

Operator Comments:

Certification

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Environmental Specialist Print Name: David Castro Email: david.castro@pxd.com Date:

Approval

Signed: _____

Title: _____ Director of Cogcc

Date: _____

Best Management Practices

No **BMP/COA Type**

Description

No	BMP/COA Type	Description

CONDITIONS OF APPROVAL:

COA Type

Description

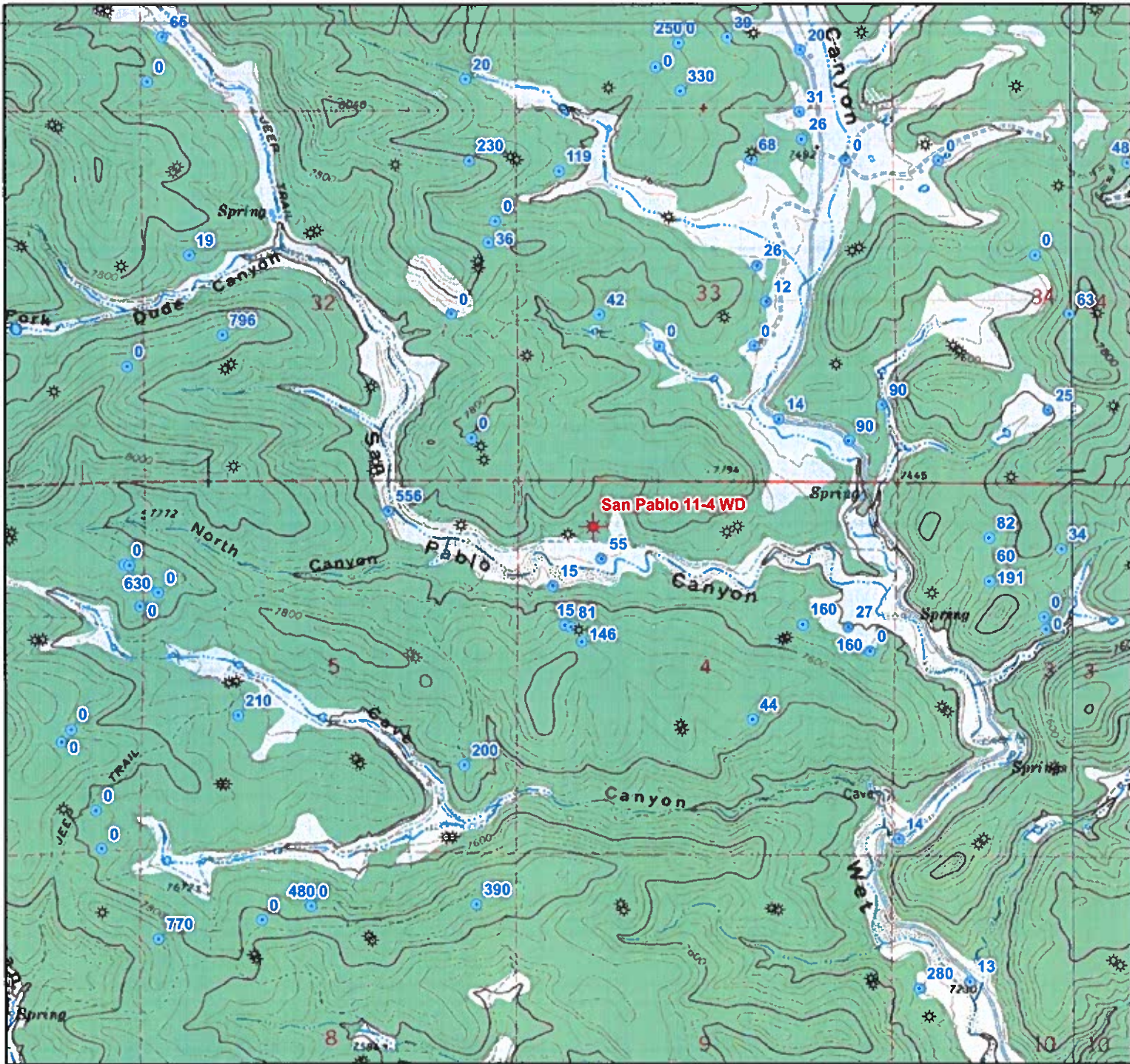
COA Type	Description



Topographic Map

San Pablo 11-4 WD

PIONEER
NATURAL RESOURCES



Legend

- Permitted Well
- Other Operator's Wells
- Water Well (Static Level ft)

Projection: UTM
Datum: NAD 1983
Zone: 13N
Units: Feet

1:24,000



WATER RESOURCES

Is this a sensitive area: No Yes

Distance to nearest

downgradient surface water feature: 555 Feet

water well: 1013 Feet

Estimated depth to ground water at Oil and Gas Location 30 Feet

Basis for depth to groundwater and sensitive area determination:

Maximum ground slope across proposed drill site is less than 10%

Is the location in a riparian area: No Yes

Was an Army Corps of Engineers Section 404 permit filed No Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No zone:

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

The well is to be drilled for the purpose of a water disposal well. Copies of Form 26, 31, & 33 and all attachments will be hand delivered the same day the 2 and 2A are filed.

Form 2 (Document No. 400469753 will be submitted along with 2A -

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____

Date: 08/20/2013

Email: joy.ziegler@pxd.com

Print Name: Joy Ziegler

Title: Lead Engineering Tech

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____



Director of COGCC

Date: 10/23/2013

Conditions Of Approval

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

COA Type

Description

	Special purpose pit shall be constructed and managed in accordance with provisions detailed in Form 15, Earthen Pit Permit/Report.
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Best Management Practices

No BMP/COA Type

Description

1 Storm Water/Erosion Control	Note: Pioneers complete BMP is too extensive for this form and is on file at Pioneer's Denver Office. Following is a summary of the plan: A diversion ditch will be installed on the cut side to divert the rain water/snow melt from the location. Erosion control devices will be installed on the fill side of the location to contain any erosion from the fill part of the location.
2 Material Handling and Spill Prevention	Spill response equipment shall be available in the event of a spill or release. Pioneer shall investigate spills to ensure proper clean-up/remediation measures & required reporting protocol is implemented.
3 Interim Reclamation	All the areas of the location will be contoured to the original stage

Total: 3 comment(s)

Attachment Check List

Att Doc Num

Name

2086376	CONST. LAYOUT DRAWINGS
2086386	LOCATION DRAWING
2086387	CORRESPONDENCE
400469950	FORM 2A APPROVED
400470051	ACCESS ROAD MAP
400470054	HYDROLOGY MAP A, TOPO
400470055	FACILITY LAYOUT DRAWING
400470064	NRCS MAP UNIT DESC
400470066	LOCATION PICTURES
400470069	LOCATION PICTURES
400470071	LOCATION DRAWING
400470076	WELL LOCATION PLAT
400501447	FORM 2A SUBMITTED

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	10/16/2013 9:18:25 AM
OGLA	operator provided new location drawing to replace drawing with +/- 200 feet distance listed to overhead utility. distance to overhead power line ALSO changed to 252 feet on the form	10/7/2013 12:59:27 PM
OGLA	Operator submitted Const. layout and cross sections for construction on >10% slope - attached	9/27/2013 10:30:24 AM
OGLA	Per conversation with operator - plan is to convert drilling pit to special purpose pit for temporary overflow if it is determined necessary based on production. Drilling pit will be lined. Operator plans to submit Form 15 for this pit. Operator will field verify 200' distance to road and utility. Operator will verify slope percentage - appears to be >10% on topo. Operator will submit new location drawing with 500' improvement buffer (400' was submitted).	9/10/2013 10:16:45 AM
Permit	Water disposal permits received.	8/29/2013 5:18:00 AM
Permit	Returned to draft. Form was completed in the old style and not updated. No review made.	8/21/2013 2:32:23 PM

Total: 6 comment(s)

Form 15-Additional Information

Raton Basin

1. Contacts

Primary Contact Person:

David Castro
Pioneer Natural Resources USA, Inc.
1401 17th Street, Suite 1200
Denver, Colorado 80202
303-298-8100
303-298-7800 (FAX)

Local Contact Person:

Duane Hiss
Pioneer Natural Resources USA, Inc.
11318 County Road 53.5
Trinidad, Colorado 81082
719-846-7898
719-846-1657 (FAX)

2. Purpose of this application. Pioneer has submitted this application to permit a lined drilling pit on the wellpad of this Class II water injection well into an emergency overflow pit. In the event of a mechanical failure at the disposal well, produced water from the onsite storage tanks would be diverted to this overflow containment pit, otherwise this pit would not be used and a no dumping sign would be posted on the pit. This lined earthen pit is located within the confines of the existing well site. Under no circumstances will produced water be stored or disposed of at this pit.

3. Sensitive area determination. This overflow containment pit shall be lined with a 30 mil Faille Finish Fabric Liner; no percolation of produced water shall occur from this lined pit.

4. Well site survey and color map. The overflow containment pit is located on the well site and is shown on the attached color map.

5. Calculations:

Surface area = length x width = 100 feet x 40 feet = 4000 sq. feet

Storage capacity = length x width x depth = 100 feet x 40 feet x 12 feet =
48000 cubic feet. 48000 cubic feet x 1 barrel/5.615 cubic feet = 8548 barrels

Daily evaporative loss: Based on climatic data and a conversion table provided by COGCC, evaporation loss for this area (Las Animas County) averages 45 pan inches/year = 5.7 barrel(s)/day for 4000 square feet of pit surface.

~~**Percolation rate:** Not applicable= no percolation.~~

6. *Water wells within 1/8 mile* Known, permitted water wells (based on State records) within a one-mile radius are shown on the attached map.

7. *Inspection and reporting.* Typically, water injection wells are monitored at least once a day by Pioneer field personnel. In the event of an overflow, produced water contained within the overflow pit would be removed and disposed of in the water injection well. All spills and/or releases will be reported in accordance with COGCC and CDPHE regulations.

PIONEER NATURAL RESOURCES USA, INC.
LINED EARTHEN PIT APPLICATION
WELL/LOCATION: *San Pablo 11-4 WD*

