District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent bits and exceptions submit to the Sabta Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

### Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

| Type of action:  Existing BGT  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  BGT1  Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method                             |
|---|
| Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request  |
| Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinance |
| 1.  |
| Operator: XTO Energy, Inc. OGRID #: 5380  |
| Address: #382 County Road 3100, Aztec, NM 87410   |
| Facility or well name: Federal 30 #41   |
| API Number: OCD Permit Number:  |
| U/L or Qtr/Qtr _A Section 30 Township 27N Range 11W County: San Juan  |
| Center of Proposed Design: Latitude36,55059         Longitude108.03996         NAD: □1927 ☒ 1983  |
| Surface Owner: ⊠ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment   |
| 2.  |
| Pit: Subsection F or G of 19.15.17.11 NMAC  |
| Temporary:  Drilling  Workover  |
| Permanent Emergency Cavitation P&A  |
| Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other   |
| ☐ String-Reinforced   |
| Liner Seams:  Welded Factory Other Volume: bbl Dimensions: L x W x D  |
|   |
| Closed-loop System: Subsection H of 19.15.17.11 NMAC  |
| Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  |
| Drying Pad Above Ground Steel Tanks Haul-off Bins Other   |
| Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other   |
| Liner Seams:  Welded  Factory Other   |
| Enter Seatilist. In Wedded Edit actory In Other   |
|   |
| Below-grade tank: Subsection I of 19.15.17.11 NMAC  |
| Volume: 95 bbl Type of fluid: Produced Water  |
| Tank Construction material: Steel   |
| Secondary containment with leak detection 🔲 Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off   |
| ☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other _Visible sidewalls, vaulted, automatic high-level shut off, no liner   |
| Liner type: Thicknessmil  |
| 5.  |
| ☐ Alternative Method:   |
| Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.  |
| Form C-144 Oil Conservation Division Page 1 of 5  |
|   |

| Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing  | hospital,                   |
|--|-----------------------------|
| 7.   |                             |
| Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  Screen Netting Other Expanded metal or solid vaulted top  Monthly inspections (If netting or screening is not physically feasible)   |                             |
| Signs: Subsection C of 19.15.17.11 NMAC  ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  ☐ Signed in compliance with 19.15.3.103 NMAC   | 3                           |
| 9.  Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  Please check a box if one or more of the following is requested, if not leave blank:  Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval.  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.  | office for                  |
| 10.  Siting Criteria (regarding permitting): 19.15.17.10 NMAC  Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approach office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system. | priate district<br>pproval. |
| Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells   | ☐ Yes ⊠ No                  |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site   | ☐ Yes ⊠ No                  |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  | ☐ Yes 🖾 No                  |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image   | ☐ Yes ☐ No<br>☑ NA          |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site   | ☐ Yes ⊠ No                  |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality  | ☐ Yes ⊠ No                  |
| Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  | ☐ Yes 🛛 📉                   |
| Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division  | ☐ Yes ⊠ N                   |
| Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map  Within a 100-year floodplain.   | ☐ Yes ⊠ M                   |
| Within a 100-year floodplain.  - FEMA map  | ☐ Yes ⊠ N                   |
| Form C-144 Oil Conservation Division Page 2 of 5   | Celeased to Imaging:        |

| 11.  |  |   |   |  |                                       |     |
|--|--|---|---|--|---------------------------------------|-----|
| Temporary Pits, Emergency Pits, and Bel-<br>Instructions: Each of the following items n  |  |   |   |  |                                       |     |
| attached.  ☐ Hydrogeologic Report (Below-grade T☐ Hydrogeologic Data (Temporary and E☐ Siting Criteria Compliance Demonstra☐ Design Plan - based upon the appropri☐ Operating and Maintenance Plan - base☐ Closure Plan (Please complete Boxes and 19.15.17.13 NMAC  | Emergency Pits) - I<br>tions - based upon<br>ate requirements o<br>ed upon the approp  | based upon the requirem<br>the appropriate requiren<br>of 19,15,17,11 NMAC<br>priate requirements of 19   | ents of Paragraph (2<br>nents of 19.15.17.10<br>1.15.17.12 NMAC                                   | 2) of Subsection B<br>D NMAC                 | of 19.15.17.9 NMAC                    | AC  |
| Previously Approved Design (attach cop   | y of design) AP  | Pl Number:  | or  | Permit Number: _                             |                                       |     |
| 12. Closed-loop Systems Permit Application A Instructions: Each of the following items n   |  |   |   | ck mark in the box                           | x, that the documents are             |     |
| attached.  Geologic and Hydrogeologic Data (or Siting Criteria Compliance Demonstra Design Plan - based upon the appropri Operating and Maintenance Plan - base Closure Plan (Please complete Boxes and 19.15.17.13 NMAC   | ly for on-site clos<br>ations (only for on<br>late requirements of<br>the design of the appro-   | ure) - based upon the req<br>-site closure) - based upon<br>of 19,15,17,11 NMAC<br>opriate requirements of 19   | quirements of Paragron the appropriate re   | raph (3) of Subsect<br>equirements of 19.    | tion B of 19.15.17.9<br>15.17.10 NMAC | 1AC |
| Previously Approved Design (attach cop   | y of design)   | API Number:   |   |  |                                       |     |
| ☐ Previously Approved Operating and Ma   |  |   |   | (Applies only to cl                          | osed-loop system that use             |     |
| above ground steel tanks or haul-off bins an   | l propose to imple   | ement waste removal for   | closure)  |  |                                       |     |
| Siting Criteria Compliance Demonstra Climatological Factors Assessment Certified Engineering Design Plans - Dike Protection and Structural Integri Leak Detection Design - based upon t Liner Specifications and Compatibilit Quality Control/Quality Assurance Co Operating and Maintenance Plan - bas Freeboard and Overtopping Preventio Nuisance or Hazardous Odors, includi Emergency Response Plan Oil Field Waste Stream Characterizati Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate | pased upon the apply Design - based the appropriate required y Assessment - based upon the appropriate upon the appropriate required upon the appropriate H <sub>2</sub> S, Prevention | propriate requirements of upon the appropriate requirements of 19.15.17.11 sed upon the appropriate stallation Plan opriate requirements of 19 the appropriate requirements on Plan | f 19.15.17.11 NMA uirements of 19.15. NMAC requirements of 19.9.15.17.12 NMAC ements of 19.15.17. | C<br>17.11 NMAC<br>.15.17.11 NMAC<br>11 NMAC | С                                     | _   |
| <u>Proposed Closure</u> : 19.15.17.13 NMAC<br><u>Instructions: Please complete the applicable</u>  | le boxes, Boxes 14   | t through 18, in regards  | to the proposed clo   | sure plan.                                   |                                       |     |
| On-site Clos   | vation and Removation (Closed-loop ure Method (Only In-place Burial  | al  | closed-loop systems   | )  |                                       |     |
| Waste Excavation and Removal Closure Be closure plan. Please indicate, by a check me Protocols and Procedures - based upon Confirmation Sampling Plan (if applied Disposal Facility Name and Permit No.  | ark in the box, the<br>the appropriate reable) - based upon<br>amber (for liquids,<br>fications - based uppropriate require  | at the documents are att<br>requirements of 19.15.17.<br>In the appropriate require,<br>drilling fluids and drill<br>pon the appropriate requirements of Subsection I of            | ached13 NMAC ments of Subsection cuttings) irements of Subsect 19.15.17.13 NMAG                   | ion H of 19.15.17.13                         | NMAC                                  |     |
| <ul> <li>Soil Backfill and Cover Design Speci</li> <li>Re-vegetation Plan - based upon the a</li> <li>Site Reclamation Plan - based upon the</li> </ul> Form C-144   |  | Oil Conservation Div  | ision   |  | Page 3 of 5                           |     |
|  |  |   |   |  |                                       |     |

| 16.   |  |
|---|--|
| 20  |  |
| Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tal<br>Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling for  |  |
| facilities are required.  Disposal Facility Name: Disposal  | Facility Permit Number:  |
|   | Facility Permit Number:  |
| Will any of the proposed closed-loop system operations and associated activities occur on or<br>Yes (If yes, please provide the information below) No   | r in areas that will not be used for future service and operation  |
| Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specifications based upon the appropriate requirem Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.1: Site Reclamation Plan - based upon the appropriate requirements of Subsection G of   | 5,17.13 NMAC   |
| 17.  Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC  Instructions: Each siting criteria requires a demonstration of compliance in the closure provided below. Requests regarding changes to certain siting criteria may require admini considered an exception which must be submitted to the Santa Fe Environmental Bureau demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guida  | istrative approval from the appropriate district office or may office for consideration of approval. Justifications and/or   |
| Ground water is less than 50 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained   | d from nearby wells  |
| Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained   | d from nearby wells  |
| Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained  | d from nearby wells  |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant value (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site  | watercourse or lakebed, sinkhole, or playa Yes No  |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existe  Visual inspection (certification) of the proposed site; Aerial photo; Satellite image   | ence at the time of initial application.   |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less than fiv watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in  NM Office of the State Engineer - iWATERS database; Visual inspection (certificat  | existence at the time of initial application.  |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained   |  |
| Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspect   | tion (certification) of the proposed site  |
| Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Min  | neral Division Yes No  |
| Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mine Society; Topographic map   | eral Resources; USGS; NM Geological Yes No   |
| Within a 100-year floodplain FEMA map   | ☐ Yes ☐ No   |
| On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subsection Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 N Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements waste Material Sampling Plan - based upon the appropriate requirements of Subsection Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cutting Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.1 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.1 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of Subsection Plan - based upon the appropriate requirements of Subsection Division | s of 19.15.17.10 NMAC ion F of 19.15.17.13 NMAC e requirements of 19.15.17.11 NMAC ed upon the appropriate requirements of 19.15.17.11 NMAC iMAC s of Subsection F of 19.15.17.13 NMAC on F of 19.15.17.13 NMAC ngs or in case on-site closure standards cannot be achieved) 5.17.13 NMAC 5.17.13 NMAC |
| Form C-144 Oil Conservation Division  | Page 4 of 5  |
|   |  |

| 19.   |  |  |
|---|--|--|
|   |  |  |
| Operator Application Certification:   |  |  |
| I hereby certify that the information submitted with this application is true   | , accurate and complete to the   | best of my knowledge and belief.   |
| Name (Print): Kim Champlin  | Title:   | Environmental Representative   |
| Signature: Kim Champlin   | Date: 11   | /19/2008   |
| e-mail address: kim_champlin@xtoenergy.com  |  | (505) 333-3100   |
| 20.  OCD Approval: X Permit Application (including closure plan) Clo  | New Araba Coop C   | 257 / 4 1 3  |
|   | • •  | •  |
| OCD Representative Signature: <u>Jaclyn Burdine</u>   |  | Approval Date: <u>08/17/2022</u>   |
| Title: Environmental Specialist-A   | OCD Permit Number  | r: BGT1  |
| Closure Report (required within 60 days of closure completion): Substinstructions: Operators are required to obtain an approved closure plan The closure report is required to be submitted to the division within 60 days ection of the form until an approved closure plan has been obtained and  | prior to implementing any clo<br>lys of the completion of the clo          | sure activities and submitting the closure repor<br>osure activities. Please do not complete this<br>en completed. |
| 22.   |  |  |
| Closure Method:  ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ If different from approved plan, please explain.   | Alternative Closure Method   | Waste Removal (Closed-loop systems only)   |
| 23. Closure Report Regarding Waste Removal Closure For Closed-loop S  | ystems That Utilize Above Gr   | ound Steel Tanks or Haul-off Bins Only:  |
| Instructions: Please indentify the facility or facilities for where the liquid two facilities were utilized.  | ds, drilling fluids and drill cut  | tings were disposed. Use attachment if more th   |
| Disposal Facility Name:   | Disposal Facility Perm   | nit Number:  |
| Disposal Facility Name:   |  | nit Number:  |
| Were the closed-loop system operations and associated activities performed Yes (If yes, please demonstrate compliance to the items below)   |  | used for future service and operations?  |
| Required for impacted areas which will not be used for future service and a Site Reclamation (Photo Documentation)  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  | operations:  |  |
| Closure Report Attachment Checklist: Instructions: Each of the follow mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)   | ving items must be attached to   | the closure report. Please indicate, by a check  |
| Proof of Deed Notice (required for on-site closure)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closures)  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  | osure)   |  |
| ☐ Plot Plan (for on-site closures and temporary pits) ☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site clo ☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation ☐ Re-vegetation Application Rates and Seeding Technique ☐ Site Reclamation (Photo Documentation)   | osure)<br>Longitude  | NAD: □1927 □ 1983  |
| ☐ Plot Plan (for on-site closures and temporary pits) ☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site clo ☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation ☐ Re-vegetation Application Rates and Seeding Technique ☐ Site Reclamation (Photo Documentation) ☐ On-site Closure Location: Latitude  25.   |  |  |
| ☐ Plot Plan (for on-site closures and temporary pits) ☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site clo ☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation ☐ Re-vegetation Application Rates and Seeding Technique ☐ Site Reclamation (Photo Documentation) ☐ On-site Closure Location: Latitude ☐ Latitude ☐ Site Reclamation (Photo Documentation) ☐ Latitude ☐ Lati | Longitudeosure report is true, accurate an                                 |  |
| Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude  25.  Operator Closure Certification: I hereby certify that the information and attachments submitted with this clobelief. I also certify that the closure complies with all applicable closure results.   | Longitudeosure report is true, accurate an quirements and conditions spec  |  |
| ☐ Plot Plan (for on-site closures and temporary pits) ☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site clo ☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation ☐ Re-vegetation Application Rates and Seeding Technique ☐ Site Reclamation (Photo Documentation) ☐ On-site Closure Location: Latitude  25.  Operator Closure Certification: ☐ hereby certify that the information and attachments submitted with this clobelief. I also certify that the closure complies with all applicable closure revision.  Name (Print):   | Longitudeosure report is true, accurate an equirements and conditions spec |  |
| ☐ Plot Plan (for on-site closures and temporary pits) ☐ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site clo ☐ Disposal Facility Name and Permit Number ☐ Soil Backfilling and Cover Installation ☐ Re-vegetation Application Rates and Seeding Technique ☐ Site Reclamation (Photo Documentation) ☐ On-site Closure Location: Latitude  25.  Operator Closure Certification: ☐ hereby certify that the information and attachments submitted with this clobelief. I also certify that the closure complies with all applicable closure revision.  Name (Print):   | Longitudeosure report is true, accurate an equirements and conditions spec |  |
| Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude  25.  Operator Closure Certification: I hereby certify that the information and attachments submitted with this clobelief. I also certify that the closure complies with all applicable closure relation:  Name (Print):  Signature:  e-mail address:  | Longitudeosure report is true, accurate an equirements and conditions spec |  |
| Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude  25.  Operator Closure Certification: I hereby certify that the information and attachments submitted with this clobelief. I also certify that the closure complies with all applicable closure relation:  Name (Print):   | Longitudeosure report is true, accurate an equirements and conditions spec | nd complete to the best of my knowledge and cified in the approved closure plan.                                   |

Received by OCD: 7/29/2022 7:16:53 AM

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Ferm C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| API Number<br>30-045-24769 | <sup>3</sup> Pool Code<br>71629 | 'Pool Name<br>Basin Fruitland Co      | oal                   |
|----------------------------|---------------------------------|---------------------------------------|-----------------------|
| Property Code 005953       | Federal 30                      | ty Name                               | * Well Number<br>41   |
| 'OGRID No.<br>025773       | •                               | or Name<br>Natural Gas Corp.          | * Elevation<br>6173 * |
|                            | 40                              | · · · · · · · · · · · · · · · · · · · | · <del></del>         |

<sup>10</sup> Surface Location

| A 30 27N 11W 1120 North 790 East San Juan  11 Bottom Hole Location If Different From Surface | UL or lot no. | Section | Township | Range  | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|--|---------------|---------|----------|--------|---------|---------------|------------------|---------------|----------------|----------|
| 11 Bottom Hole Location If Different From Surface  | Α             | 30      | 27N      | 11W    |         | 1120          | North            | 790           | East           | San Juan |
|  |               |         |          | 11 Bot | tom Hol | e Location I  | Different Fro    | m Surface     |                |          |

|   | UL or lot no.     | Section                  | Township       | Range             | Lot Idn                | Feet from the | North/South line | Feet from the | East/West line | County |
|---|-------------------|--------------------------|----------------|-------------------|------------------------|---------------|------------------|---------------|----------------|--------|
| ı | 12 Dedicated Acre | es <sup>11</sup> Joint e | or Infill 14 ( | I<br>Consolidatio | n Code <sup>13</sup> C | rder No.      |                  |               |                | ·      |
|   | 320               |                          |                | С                 |                        |               |                  |               |                |        |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| MAY 1 3 1999  ONIL GOID DIVE | LDNGC 50% WI Marathon 50% WI 1/8 Royalty - USA       | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Original Form C-102 on file with OCD  Information ignature  Terrye D. Bryant Printed Name  Regulatory Technician itte  May 10, 1999                   |
|------------------------------|--|--|
|                              | LDNGC 50% WI<br>Marathon 50% WI<br>1/8 Royalty - USA | 18SURVEYOR CERTIFICATION  I hereby cerufy that the well location shown on this plut was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief  ate of Survey  Signature and Seal of Professional Surveyer: |

HOLD CTOR FOR Disconnection of 30 \$44 well &

|  |            |                                | -        | Client:          | XTO Energy                                   |
|--|------------|--------------------------------|----------|------------------|--|
| Lodestar Servic  | es. Inc.   | Pit Permit                     |          | Project:         | Pit Permits                                  |
| PO Box 4465, Duran   |            | Siting Criteria                |          | Revised:         | 18-Sep-08                                    |
| /  | 80,000,000 | Information Shee               | et       | Prepared by:     | Devin Hencmann                               |
| Name of the last o |            |                                |          |                  |  |
| API#:  |            | 3004524769                     |          | USPLSS:          | 27N, 11W, 30A                                |
| A1   |            | 505041.20.844                  | 1        | 1 = 1/1 = 11 = 1 | 26 55050/ 400 02006                          |
| Name:  | l l        | EDERAL 30 #41                  |          | Lat/Long:        | 36.55059/-108.03996                          |
|  |            | >100'                          |          | Geologic         | Naciemento                                   |
| Depth to groundwater:  |            | >100                           |          | formation:       | Ivaciente                                    |
|  |            |                                |          |                  |  |
| Distance to closest  | ľ          | NA CALLED A LA CALLED A CALLED |          |                  |  |
|  | ľ          | N to the 'San Juan River'      |          |                  |  |
| watercourse:   |            |                                | 1.5      |                  |  |
| Distance to closest  | l .        |                                |          |                  |  |
| significant watercourse,   | 1.2 miles  | S to Cedar Canyon wash         |          |                  |  |
| lakebed, playa lake, or  |            |                                |          |                  |  |
| sinkhole:  |            |                                | 4 3      | Soil Type:       | Entisols                                     |
| Permanent residence,   |            |                                |          | Son Type:        | Entisois                                     |
| school, hospital,  |            |                                |          |                  |  |
| institution or church  |            | No                             |          |                  |  |
| within 300'  |            |                                |          |                  |  |
| Within 500   | 5- 15- K   |                                | 1 8      | Annual           | Bloomfield: 8.71", Farmington: 8.21", Otis:  |
|  |            |                                |          | Precipitation:   | 10.41"                                       |
| Domestic fresh water   |            |                                |          | D                |  |
| well or spring within  |            | No                             |          | Precipitation    | Historical daily max: Bloomfield (4.19")     |
| 500'   |            |                                |          | Notes:           |  |
| Any other fresh water  |            |                                |          |                  |  |
| well or spring within  |            | No                             |          |                  |  |
| 1000'  |            |                                |          |                  |  |
|  |            |                                |          |                  |  |
| Within incorporated  | 1          | No                             |          | Attached         | 27N 11W i-Waters pdf,27N 12W i-Waters pdf    |
| municipal boundaries   |            |                                |          | Documents:       |  |
| Within defined   |            |                                |          |                  | Topo map pdf, Aerial pdf, Mines and Quarries |
| municipal fresh water  |            | No                             |          |                  | Map pdf,i-Waters Ground Water Data Map       |
| well field   |            |                                |          |                  | pdf, FEMA flood zone map pdf                 |
|  |            |                                |          |                  |  |
| Wetland within 500'  |            | No                             |          | Mining Activity: | None   |
| AASCISIO MITHIN 200.   |            |                                |          | _                |  |
| Within unstable area   |            | No                             |          |                  |  |
| TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   |            | 140                            |          |                  |  |
| Within 100 year flood  |            |                                |          |                  |  |
| plain  | I Ni       | o-FEMA Zone 'X'                |          |                  |  |
| AND DESCRIPTION OF THE REAL  |            |                                | Sections |                  |  |
| Additional Notes:  |            |                                |          |                  |  |
|  |            |                                |          |                  |  |
|  | 2201+      | o irrigated cropland           |          |                  |  |
|  | J23 (      | o migateu cropianu             |          |                  |  |
|  |            |                                |          |                  |  |

## Released to Imaging: 8/17/2022 11:34:21 AM

### FEDERAL 30 #41 Below Ground Tank Hydrogeologic Report for Siting Criteria

### General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology (Dane and Bachman, 1965). The proposed pit location will be located in the northernmost Bisti region of the San Juan Basin within an area dominated by irrigated fields of the Navajo Indian Irrigation Project. The predominant geologic formation is the Nacimiento Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur prominently near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits serve as the primary aquifers in the San Juan basin (Stone et al., 1983). In most of the proposed area, the Nacimiento Formation lies at the surface and grades into the Animas Formation to the west. Thickness of the Nacimiento ranges from 418 to 2232 feet (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the Nacimiento Formation are between 0 and 1000' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the San Juan River.

The prominent soil type at the proposed site are entisols and aridisols, which are defined as soils that exhibit little to no any profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the San Juan River. These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes the soils that cover the area.

The climate of the region is arid, averaging just over 8 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from August through October. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. November through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. However, most recharge occurs during the winter months during snowmelt periods from the upper elevations (Western Regional Climate Center www.wrcc.dri.edu).

The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

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### Site Specific Hydrogeology

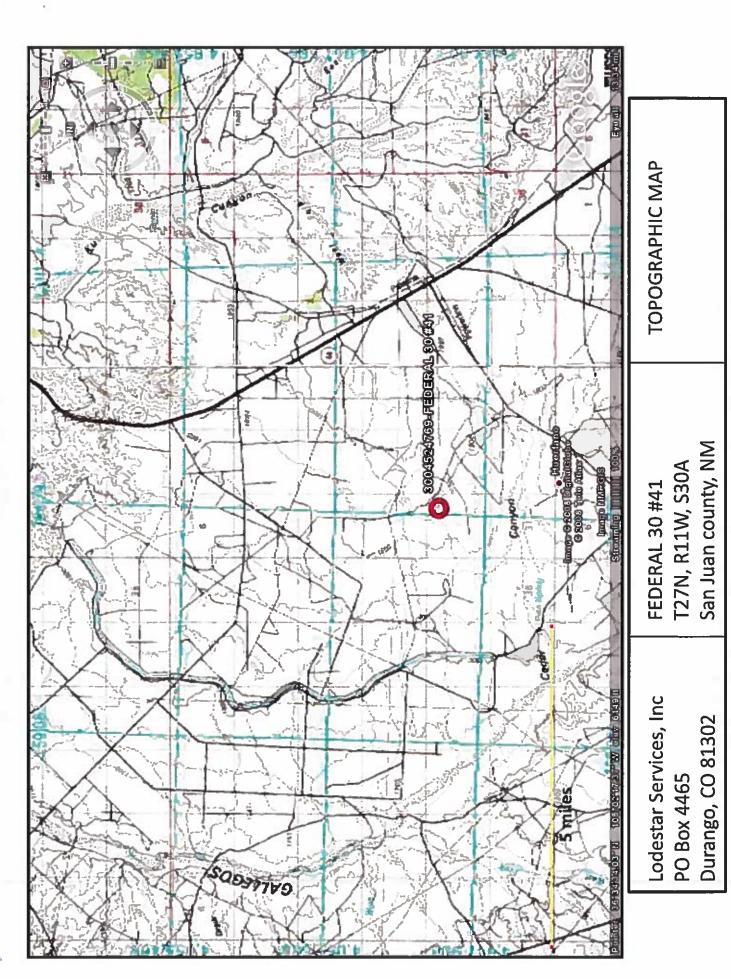
Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

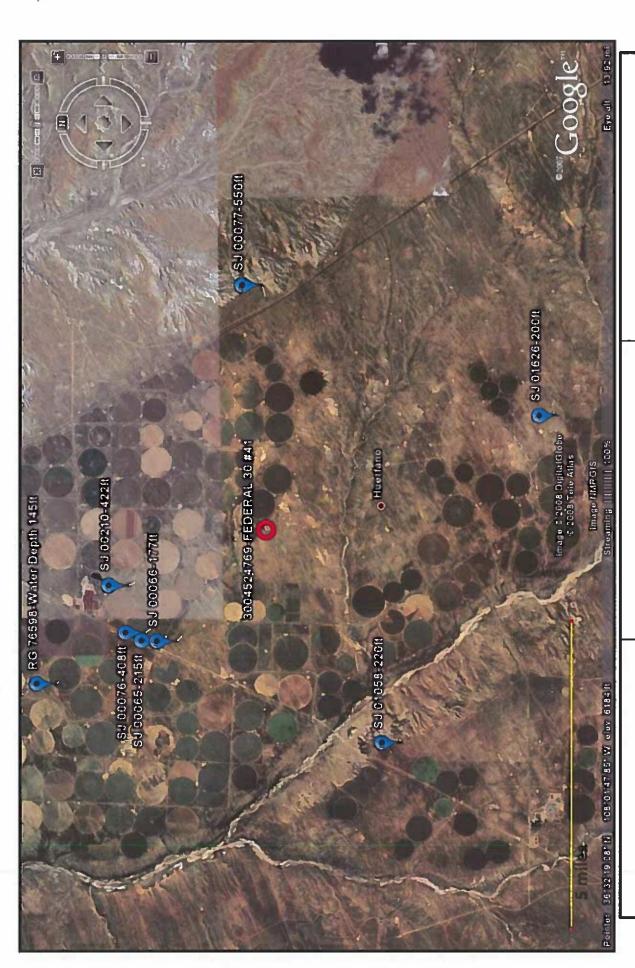
Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the Nacimiento Formation at depth s greater than 100 feet and thicknesses of the aquifer can be up to 3500 feet (USGS, Groundwater Atlas of the US).

The site in question is located on the relatively flat mesa top at an elevation of approximately 6170 feet and approximately 4.3 miles east of Gallegos Canyon. Broad shalely hills are interspersed with occasional sandstone outcrops, and systems of dry washes and their tributaries are evident on the attached aerial image. Groundwater is expected to be shallow within Gallegos Canyon. But the significant distance between the Canyon and the site, as well as an elevation difference of over 400 feet suggest groundwater is greater than 100 feet at the proposed site.

Lined channels associated with the Navajo Irrigation Project supply water for the fields surrounding the proposed site, which are characterized by center-pivot irrigation patterns. During spring and summer, irrigation practices often produces shallow perched aquifers that are not defined in published literature. These shallow zones of water are not continuous and are not saturated year round.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. Wells located at similar elevations within the irrigated area contain groundwater greater than 100 feet deep. A map showing the location of wells in reference to the proposed pit location is attached.





Lodestar Services, Inc
PO Box 4465
Durango, CO 81302
San Juan county, NM

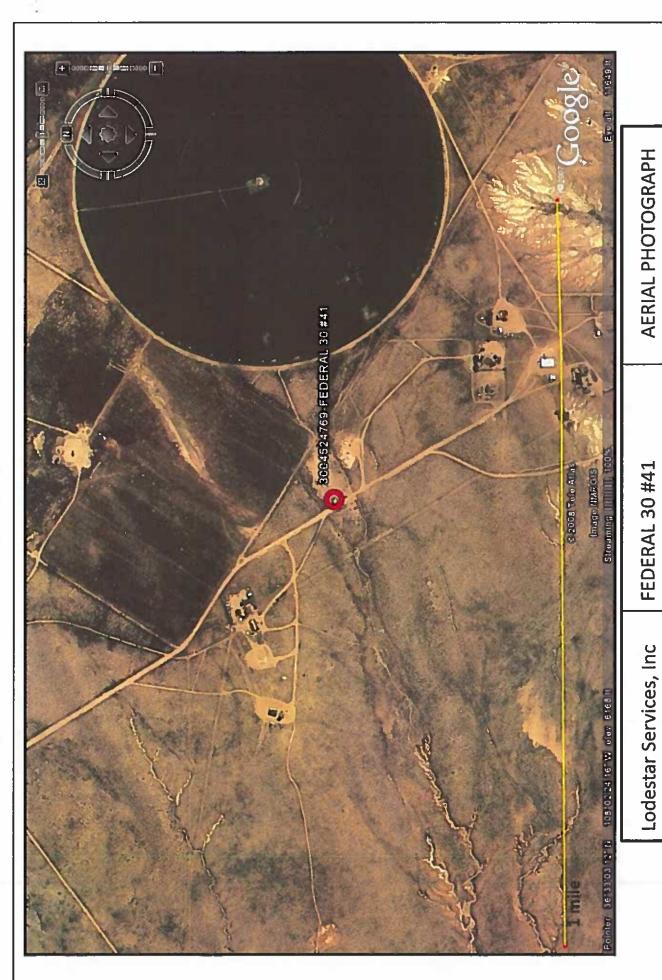
i-Waters Ground Water Data Map

# New Mexico Office of the State Engineer POD Reports and Downloads

POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

|                                | Water (in feet)  |                  |
|--------------------------------|--|------------------|
|                                | Water  | 35<br>12<br>2    |
|                                | មុស្តិ   | 550              |
| 2008                           | repth<br>well  | 1102             |
| 03/22/2                        | Þŧ   |                  |
| WATER COLUMN REPORT 03/22/2006 | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)  Tws Rng Sec q q q Zone X 27N 11W 07 2 2 | 27H 11W 26 2 I 3 |
|                                | POD Number<br>SJ 01787   | SJ 00077         |

Record Count: 2



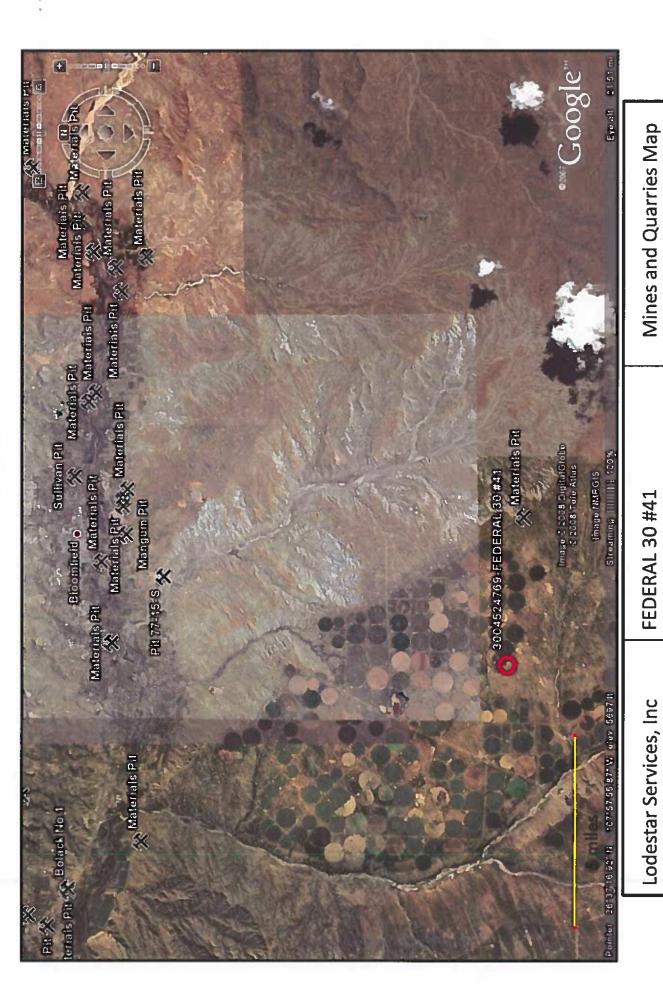
**AERIAL PHOTOGRAPH** 

San Juan county, NM

Durango, CO 81302

PO Box 4465

T27N, R11W, S30A



Mines and Quarries Map

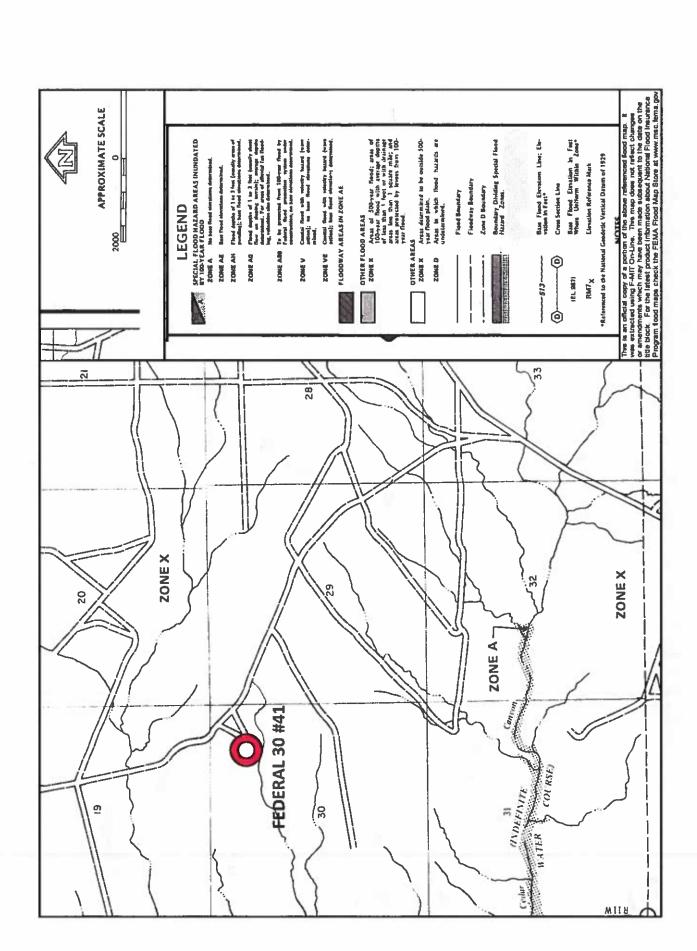
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San Juan county, NM

Durango, CO 81302

PO Box 4465

T27N, R11W, S30A



### Received by OCD: 7/29/2022 7:16:53 AM

### XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks

In accordance with Rule 19.15.17.11 NMAC the following information describes the design and construction of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

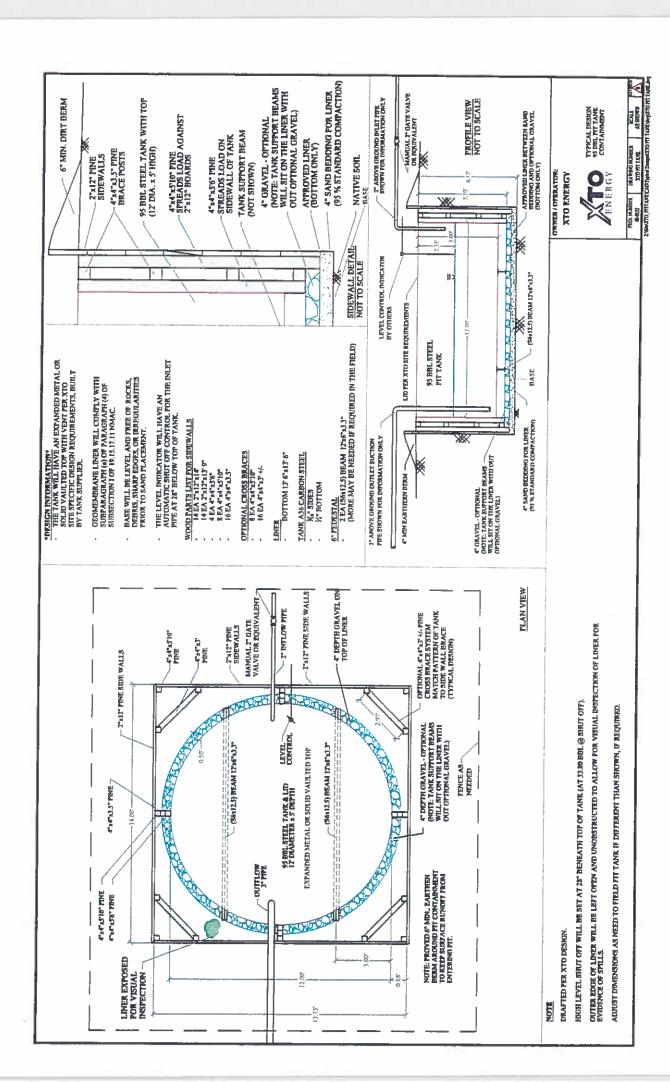
### **General Plan**

- XTO will design and construct below-grade tanks to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- XTO will post a well sign, in compliance with 19.15.3.103 NMAC, on the existing well site
  operated by XTO where the existing below-grade tank is located. The sign will list the Operator
  on record as the operator, the location of the well site by unit letter, section, township, range, and
  emergency telephone numbers.
- 3. XTO is requesting approval of an alternative fencing to be used on below-grade tank locations. Below-grade tank locations will be fenced utilizing 48" steel mesh field-fence (hogwire) with pipe railing along the top. A 6' chain link fence will be utilized around the well pad if the well site is within a city limits or ¼ mile of a permanent residence, school, hospital, institution or church. Below-grade tanks located within 1000' of a permanent residence, school, hospital, institution or church will be fenced by 6' chain link fence with at least two strands of barbed wire at the top. All gates associated with below-grade tanks will remain closed and locked when responsible individuals are not on site.
- 4. XTO shall construct below-grade tanks with an expanded metal covering or solid vaulted top on the top of the below-grade tank.
- 5. XTO will ensure that below-grade tanks are constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight. Tanks will be constructed of A36 carbon steel with 3/16" sides and ¼" bottom. (See attached drawing).
- 6. The below-grade tank system will have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom. Sand bedding (4") will be placed on top of a level foundation to ensure prevention of punctures, cracks or indentations of the liner or tank bottom.
- 7. XTO will construct a berm and/or diversion ditch in a manner that prevents the collection of surface water run-on. Below-grade tanks will be equipped with automatic high level shut-off devices as well as manually operated shut-off valves. (See attached drawing).
- 8. XTO will construct and use below-grade tanks that do not have double walls. The below-grade tank sidewalls will be open for visual inspection for leaks. The sidewalls of the cellar will be constructed with 2" X 12" pine sidewalls and 4" X 4" pine brace posts. The below-grade tank

XTO Energy Inc.
San Juan Basin (Northwest New Mexico)
General Design and Construction Plan
For Below-Grade Tanks
Page 2

bottom will be elevated a minimum of 6" above the underlying ground surface and the belowgrade tank will be underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected. (See attached drawing).

- 9. XTO will equip below-grade tanks designed in this manner with a properly functioning automatic high-level shut-off control device and manual controls to prevent overflows. (See attached drawing).
- 10. XTO will demonstrate to the OCD that the geomembrane liner complies with the specifications of Subparagraph (a) of Paragraph (4) of Subsection I of 19.15.17.11 NMAC and obtain approval from OCD prior to the installation of the design. The geomembrane liner shall have a hydraulic conductivity no greater than 1 x 10-9 cm/sec. The geomembrane liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidics and alkaline solutions. The liner material shall be resistant to ultraviolet light. Liner compatibility shall comply with EPA SW-846 method 9090A. (See attached drawing).
- 11. The general specifications for design and construction are attached.



### XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Maintenance and Operating Plan For Below-Grade Tanks Rule 19.15.17.12 NMAC the following information describes the ow-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO

In accordance with Rule 19.15.17.12 NMAC the following information describes the operation and maintenance of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

### General Plan

- 1. XTO will operate and maintain below-grade tanks to contain liquids and solids, maintain the integrity of the liner and secondary containment system, prevent contamination of fresh water and protect public health and the environment. Fluid levels will be monitored weekly and high levels will be removed as necessary. Monthly inspections will be conducted to monitor integrity of below-grade tank systems and below-grade tanks will be equipped with automatic high-level shut-off devices.
- 2. XTO will not allow below-grade tanks to overflow and will use berms and/or diversion ditch to prevent surface run on to enter the below-grade tank. Below-grade tanks will be equipped with automatic high-level shut-off control devices as well as manually operated shut-off valves. See attached drawing for vault design and placement of diversion berms and shut-off devices.
- 3. XTO will continuously remove any visible or measurable layer of oil from the fluid surface of below-grade tanks in order to prevent significant accumulation of oil.
  - 4. XTO will inspect the below-grade tank monthly and maintain written records for five years. Monthly inspections will consist of documenting the following: (see attached template),

Well Name

API#

Sec., Twn., Rng.

XTO Inspector's name

Inspection date and time

Visible tears in liner

Visible signs of tank overflow

Collection of surface run on

Visible layer of oil

Visible signs of tank leak

Estimated freeboard

- 5. XTO will maintain adequate freeboard to prevent over topping of the below-grade tank. High level shut-off devices control the freeboard at an average of 28" beneath the top of the tank.
- 6. XTO will not discharge into or store any hazardous waste in any below-grade tank.
- 7. If a below-grade tank develops a leak, or if any penetration of a below-grade tank occurs below the liquids surface, XTO will remove all liquids above the damage or leak line within 48 hours,

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Maintenance and Operating Plan For Below-Grade Tanks Page 2

notify the appropriate division district office within 48 hours of the discovery and repair the damage or replace the below-grade tank. If an existing below-grade tank does not meet current requirements of Paragraphs 1-4 of Subsection I of 19.15.17.11 NMAC the tank will be modified or retrofitted to comply. If compliance can not be achieved XTO will implement the approved closure plan.

|                    |             | MONTH                         | ILY BELO          | MONTHLY BELOW GRADE TANK INSPECTION FORM | INSPECTION            | N FORM        |                      |           |
|--------------------|-------------|-------------------------------|-------------------|--|-----------------------|---------------|----------------------|-----------|
| Well Name:         |             |                               |                   |  | API No.:              |               |                      |           |
| Legals             | Sec         |                               | Township:         |  | Range:                |               |                      | <u> </u>  |
| XTO<br>Inspector's | Inspection  |                               | Any visible liner | Any visible signs of                     | Collection of surface | Visible layer | Any visible signs    | Freeboard |
| Name               | Date        | - III                         | tears (Y/N)       | tank overflows (Y/N)                     | run on (Y/N)          | of oil (Y/N)  | of a tank leak (Y/N) | Est. (ft) |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
|                    |             |                               |                   |  |                       |               |                      |           |
| Notes:             | Provide Det | Provide Detailed Description: | tion:             |  |                       |               |                      |           |
|                    | •           |                               |                   |  |                       |               |                      |           |
| Misc:              | -           |                               |                   |  |                       |               |                      |           |
|                    | - •         |                               |                   |  |                       |               |                      |           |
|                    | •           |                               |                   |  |                       |               |                      |           |
|                    | •           |                               |                   |  |                       |               |                      |           |
|                    | -           |                               | 1                 |  |                       |               |                      |           |

### XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

### General Plan

- XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
- XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
- 3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
- 4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B

Soil contaminated by exempt petroleum hydrocarbons

Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes

Basin Disposal Permit No. NM01-005 Produced water

- 5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office has approved prior to removal. Any associated liners will be removed, properly cleaned and disposed of per 19.15.9.712 NMAC at San Juan County Landfill. Documentation of the final disposition will be included in the closure report.
- XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
- 7. XTO will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be

XTO Energy Inc.
San Juan Basin (Northwest New Mexico)
General Closure Plan
For Below-Grade Tanks
Page 2

analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. XTO will notify the division of its results on form C-141.

- If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116
   NMAC and 19.15.1.19NMAC as appropriate.
- 9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
- 10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
  - i. Operator's name
  - ii. Well Name and API Number
  - iii. Location by Unit Letter, Section, Township, and Range

The surface owner shall also be notified prior to the implementation of any closure operations of below-grade tanks as per the approved closure plan using certified mail, return receipt requested.

- 11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. Soil cover will be constructed to the site's existing grade and ponding of water and erosion of the cover material will be prevented with drainage control, natural drainages and silt traps where needed.
- 13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks Page 3

- All closure activities will include proper documentation and be available for review upon request 14. and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - Proof of closure notice to division and surface owner;
  - ii. Details on capping and covering, where applicable,
  - iii. Inspection reports;
  - iv. Confirmation sampling analytical results;
  - Disposal facility name(s) and permit number(s); v.
  - Soil backfilling and cover installation; vi.
  - Re-vegetation application rates and seeding techniques, (or approved alternative vii. to re-vegetation requirements if applicable);

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Photo documentation of the site reclamation. viii.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

QUESTIONS

Action 129670

### **QUESTIONS**

| Operator:              | OGRID:   |
|------------------------|--|
| HILCORP ENERGY COMPANY | 372171   |
| 1111 Travis Street     | Action Number:                                 |
| Houston, TX 77002      | 129670   |
|                        | Action Type:                                   |
|                        | [C-144] Legacy Below Grade Tank Plan (C-144LB) |

### QUESTIONS

| Facility and Ground Water  |                          |  |
|--|--------------------------|--|
| Please answer as many of these questions as possible in this group. More information will help us identify the appropriate associations in the system. |                          |  |
| Facility or Site Name  | Federal 30 41            |  |
| Facility ID (f#), if known   | Not answered.            |  |
| Facility Type  | Below Grade Tank - (BGT) |  |
| Well Name, include well number   | Federal 30 41            |  |
| Well API, if associated with a well  | 30-045-24769             |  |
| Pit / Tank Type  | Not answered.            |  |
| Pit / Tank Name or Identifier  | Not answered.            |  |
| Pit / Tank Opened Date, if known   | Not answered.            |  |
| Pit / Tank Dimensions, Length (ft)   | Not answered.            |  |
| Pit / Tank Dimensions, Width or Diameter (ft)  | Not answered.            |  |
| Pit / Tank Dimensions, Depth (ft)  | Not answered.            |  |
| Ground Water Depth (ft)  | Not answered.            |  |
| Ground Water Impact  | Not answered.            |  |
| Ground Water Quality (TDS)   | Not answered.            |  |

| Below-Grade Tank  |                |
|---|----------------|
| Subsection I of 19.15.17.11 NMAC                                      |                |
| Volume / Capacity (bbls)  | 95             |
| Type of Fluid   | Produced Water |
| Pit / Tank Construction Material                                      | Steel          |
| Secondary containment with leak detection                             | Not answered.  |
| Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off | Not answered.  |
| Visible sidewalls and liner   | Not answered.  |
| Visible sidewalls only  | True           |
| Tank installed prior to June 18. 2008                                 | True           |
| Other, Visible Notation. Please specify                               | Not answered.  |
| Liner Thickness (mil)   | Not answered.  |
| HDPE (Liner Type)   | Not answered.  |
| PVC (Liner Type)  | Not answered.  |
| Other, Liner Type. Please specify (Variance Required)                 | Not answered.  |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505

### **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 129670

| Phone:(505) 476-3470 Fax:(505) 476-3462  |  |  |
|--|--|--|
| QUEST  | IONS (continued)   |  |
| Operator:  | OGRID:   |  |
| HILCORP ENERGY COMPANY   | 372171   |  |
| 1111 Travis Street<br>Houston, TX 77002  | Action Number:   |  |
| Tioustoii, 1X 17002  | 129670 Action Type:  |  |
|  | [C-144] Legacy Below Grade Tank Plan (C-144LB)                         |  |
| QUESTIONS  |  |  |
| Fencing  |  |  |
| Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tank  | ks)  |  |
| Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)                 | Not answered.  |  |
| Four foot height, four strands of barbed wire evenly spaced between one and four feet  | Not answered.  |  |
| Alternate, Fencing. Please specify (Variance Required)   | 4' hogwire   |  |
|  |  |  |
|  |  |  |
| Netting  |  |  |
| Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  |  |  |
| Screen   | Not answered.  |  |
| Netting  | Not answered.  |  |
| Other, Netting. Please specify (Variance May Be Needed)  | expanded metal or solid vaulted top                                    |  |
|  |  |  |
| Signs Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must hav  | e their own sign in compliance with Subsection C of 19.15.17.11 NMAC.) |  |
| 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  | Not answered.  |  |
| Signed in compliance with 19.15.16.8 NMAC  | True   |  |
|  |  |  |
| Variances and Exceptions   |  |  |
| Justifications and/or demonstrations ofequivalency are required. Please refer to 19.15.17 NMAC for<br>Please check a box if one or more of the following is requested, if not leave blank: | guidance.  |  |
| Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.  | Not answered.  |  |
| Exception(s):  |  |  |

Not answered.

consideration of approval

Requests must be submitted to the Santa Fe Environmental Bureau office for

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

QUESTIONS, Page 3

Action 129670

|                        | QUESTIONS (continued) |
|------------------------|-----------------------|
| Operator:              | OGRID:                |
| HILCORP ENERGY COMPANY | 372171                |

1111 Travis Street Action Number: Houston, TX 77002 129670

Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)

### QUESTIONS

### Siting Criteria (regarding permitting) 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

| Siting Criteria, General Siting  |               |
|--|---------------|
| Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank | No            |
| NM Office of the State Engineer - iWATERS database search  | True          |
| USGS   | Not answered. |
| Data obtained from nearby wells  | Not answered. |

| Siting Criteria, Below Grade Tanks  |    |
|---|----|
| Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark) | No |
| Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption   | No |

| Proposed Closure Method                                      |               |
|--|---------------|
| Below-grade Tank Below Grade Tank - (BGT)                    |               |
| Waste Excavation and Removal                                 | True          |
| Alternate Closure Method. Please specify (Variance Required) | Not answered. |

| Operator Application Certification |            |
|------------------------------------|------------|
| Registered / Signature Date        | 11/19/2008 |

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ACKNOWLEDGMENTS

Action 129670

### **ACKNOWLEDGMENTS**

| Operator:              | OGRID:   |
|------------------------|--|
| HILCORP ENERGY COMPANY | 372171   |
| 1111 Travis Street     | Action Number:                                 |
| Houston, TX 77002      | 129670   |
|                        | Action Type:                                   |
|                        | [C-144] Legacy Below Grade Tank Plan (C-144LB) |

### **ACKNOWLEDGMENTS**

| V | I acknowledge that I have received prior approval from the OCD to submit documentation of a legacy below-grade tank on behalf of my operator.  |
|---|--|
| V | I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief. |

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CONDITIONS

Action 129670

### **CONDITIONS**

| Operator:              | OGRID:   |
|------------------------|--|
| HILCORP ENERGY COMPANY | 372171   |
| 1111 Travis Street     | Action Number:                                 |
| Houston, TX 77002      | 129670   |
|                        | Action Type:                                   |
|                        | [C-144] Legacy Below Grade Tank Plan (C-144LB) |

### CONDITIONS

| Created B |        | Condition<br>Date |
|-----------|--------|-------------------|
| jburdine  | e None | 8/17/2022         |