

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

Form C-144
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

2008 DEC 12 PM 4 12

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

Type of action: ☒ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
Existing BGT ☐ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
☐ 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 ordinances.

1.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: Cloyd Cooper #1
API Number: 30-045-25886 OCD Permit Number: _____
U/L or Qtr/Qtr G Section 15 Township 29N Range 11W County: San Juan
Center of Proposed Design: Latitude 36.72789 Longitude 107.97491 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: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____

3.
☐ **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: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____

4.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 120 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: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

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.

6.

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, hospital, 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

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)

8.

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

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 office for consideration of approval.
- ☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.*

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
☐ NA

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
☒ 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 ☒ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ No

11. **Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12. **Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number: _____
☐ Previously Approved Operating and Maintenance Plan API Number: _____ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13. **Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Climatological Factors Assessment
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Quality Control/Quality Assurance Construction and Installation Plan
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan
☐ Emergency Response Plan
☐ Oil Field Waste Stream Characterization
☐ Monitoring and Inspection Plan
☐ Erosion Control Plan
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14. **Proposed Closure:** 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System
☐ Alternative
Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15. **Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____

Disposal Facility Permit Number: _____

Disposal Facility Name: _____

Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 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 plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

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 from nearby wells

☐ Yes ☐ No
☐ NA

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 from nearby wells

☐ Yes ☐ No
☐ NA

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 from nearby wells

☐ Yes ☐ No
☐ NA

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.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

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; 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 ☐ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

18.

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

045-25886

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: 12-08-08

e-mail address: kim_champlin@xtoenergy.com Telephone: (505) 333-3100

20.

OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: Michael A. Mullan Approval Date: 3-29-2009

Title: Petroleum engineer OCD Permit Number: _____

21.

Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

22.

Closure Method:

- ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

23.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

- ☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

- ☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

24.

Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- ☐ Proof of Closure Notice (surface owner and division)
☐ 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 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 _____ Longitude _____ NAD: ☐ 1927 ☐ 1983

25.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2028

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

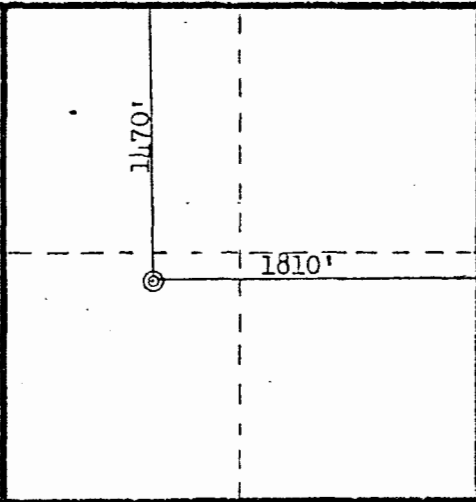
Operator Amoco Production Company			Lease Cloyd Cooper		Well No. 1
Unit Letter G	Section 15	Township 29N	Range 11W	County San Juan	
Actual Footage Location of Well: 1470 feet from the North line and 1810 feet from the East line					
Ground Level Elev: 5564	Producing Formation Chacra		Pool Otero	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Sec	15	

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original Signed By

D.D. Lawson

Name

Darrell D. Lawson

Position

District Adm. Supervisor

Company

Amoco Production Company

Date

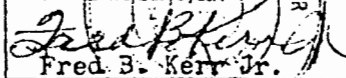
February 3, 1984

I hereby certify that the well location shown on this plat 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 knowledge and belief.

Date Surveyed

January 17, 1984

Registered Professional Engineer
and Land Surveyor


Fred B. Kerr Jr.

Certificate No. 1000



**Pit Permit
Siting Criteria
Information Sheet**

Client:	XTO Energy
Project:	Pit Permits
Revised:	19-Nov-08
Prepared by:	Brooke Herb

API#: 3004525886

Name: CLOYD COOPER #1

Depth to groundwater: < 50 '

Distance to closest continuously flowing watercourse: 1.63 miles N of the San Juan River

Distance to closest significant watercourse, lakebed, playa lake, or sinkhole: 135' W of Citizens Irrigation Ditch; 568' W of Bloomfield Canyon Wash

Permanent residence, school, hospital, institution or church within 300': No

Domestic fresh water well or spring within 500': Yes - 444' NE of iWaters SP02870 21 (no groundwater depth data)

Any other fresh water well or spring within 1000': No

Within incorporated municipal boundaries: Yes - Bloomfield

Within defined municipal fresh water well field: No

Wetland within 500': No

Within unstable area: No

Within 100 year flood plain: No - FEMA Flood Zone 'X'

USPLSS: T29N,R11W,S15G

Lat/Long: 36.72789, -107.97491

Geologic formation: Nacimiento Formation

Soil Type: Entisols

Annual Precipitation: 8.71 inches (Bloomfield)

Precipitation Notes: no significant precip events

Attached Documents: Groundwater report and Data; FEMA Flood Zone Map

Aerial Photo, Topo Map, Mines Mills and Quarries Map

Mining Activity: 1.64 miles NW of Sullivan Pit

Additional Notes:

CLOYD COOPER #1 Below Ground Tank Siting Criteria and Closure Plan

Well Site Location

Legals: T29N, R11W, Section 15, Quarter Section G

Latitude/Longitude: approximately 36.72789, -107.97491

County: San Juan County, NM

General Description: in Bloomfield, New Mexico

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 below ground tank location will be located in Bloomfield, New Mexico between the Animas and San Juan rivers. The Nacimiento Formation of Tertiary Age is exposed, along with Quaternary alluvial and aeolian sands within dry washes and arroyos.

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. 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 nearby San Juan River and its tributaries.

The prominent soil type at the proposed site is entisols, which are defined as soils that do not show any profile development. Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the La Plata River (www.emnrd.state.nm.us). These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes 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).

Site Specific Hydrogeology

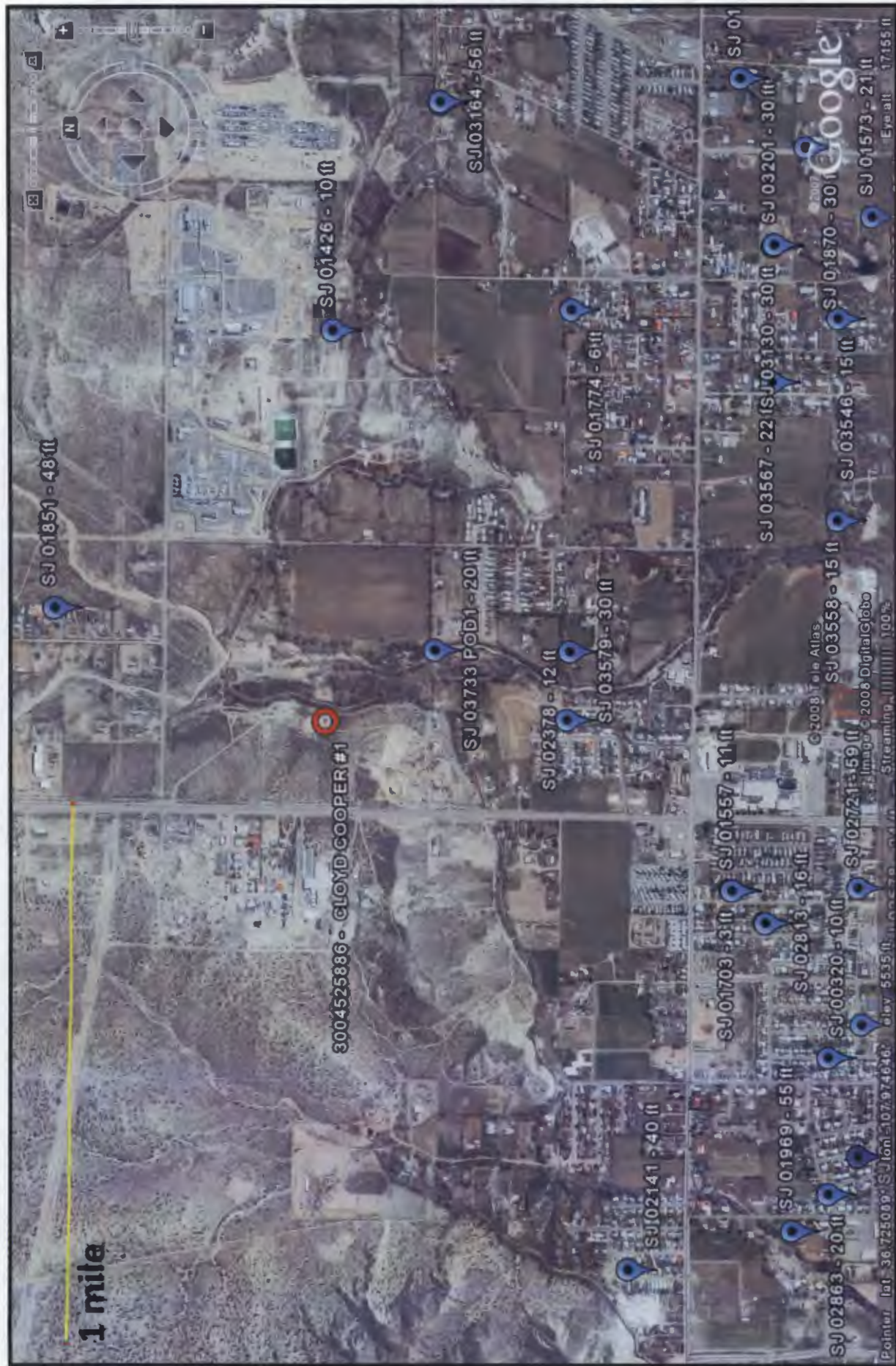
Depth to groundwater is estimated to be less than 50 feet. This estimation is based on data from Stone and others, 1983 and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

Local aquifers include sandstones within the Nacimiento Formation, which ranges from 0 to 1000 feet deep in this area, as well as shallow aquifers within Quaternary alluvial deposits (Stone et al., 1983). The 1000-foot depth range for Nacimiento aquifers covers an area over 20 miles wide, and depth decreases towards the margin of the San Juan Basin. The site in question is more centrally located, and depth to the aquifer is expected to be closer to 1000 feet. It is well known that groundwater close to the San Juan River can be shallow, as the Quaternary deposits near the river itself form shallow aquifers. However, the proposed site is situated 1.63 miles to the north of the San Juan River, and is approximately 120 feet higher in elevation (Google Earth).

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the location of wells in reference to the proposed pit location is also included. Pinpoints show locations of wells and the labels for each pinpoint indicate depth to groundwater in feet. Wells are clustered to the south along the San Juan River. Depth to groundwater within the nearby wells ranges from 3 feet to 56 feet below ground surface. The closest well to the proposed site is located approximately 1543 feet to the south, and is approximately 42 feet lower in elevation (Google Earth). Depth to groundwater within the well is 20 feet below ground surface. A well to the east is approximately 14 feet higher in elevation than the proposed site, and has a depth to groundwater of 10 feet below ground surface.



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	CLOYD COOPER #1 T29N, R11W, S15G San Juan County, NM	Topographic Map
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Lodestar Services, Inc PO Box 4465 Durango, CO 81302	CLOYD COOPER #1 T29N, R11W, S15G San Juan County, NM	iWaters Groundwater Data Map
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New Mexico Office of the State Engineer
POD Reports and Downloads

WATER COLUMN REPORT 10/20/2008

POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)				X	Y	Depth		Water Column	Water (in feet)
	Tws	Rng	Sec	q q			Well	Water		
SJ 00867	29N	11W	07	4			77	55	22	
SJ 01302	29N	11W	07	4			250	210	40	
SJ 01891	29N	11W	07	4			157			
SJ 01851	29N	11W	10	4			125	48	77	
SJ 02466 S	29N	11W	11	4			65			
SJ 02466	29N	11W	11	4			66			
SJ 02991	29N	11W	13	3			60			
SJ 03136	29N	11W	13	3			20			
SJ 00987	29N	11W	13	4			415	300	115	
SJ 01426	29N	11W	14	1			155	10	145	
SJ 00007	29N	11W	14	2			752			
SJ 03550	29N	11W	14	3			10			
SJ 01774	29N	11W	14	3			82	6	76	
SJ 03360	29N	11W	14	3			40			
SJ 03175	29N	11W	14	4			60	24	36	
SJ 03164	29N	11W	14	4			75	56	19	
SJ 03733 POD1	29N	11W	15	4			64	20	44	
SJ 02378	29N	11W	15	4			75	12	63	
SJ 03579	29N	11W	15	4			83	30	53	
SJ 02141	29N	11W	16	4			110	40	70	
SJ 02926	29N	11W	17	2			375	80	295	
SJ 03399	29N	11W	17	4			100			
SJ 00487	29N	11W	17	4			60	6	54	
SJ 02868	29N	11W	17	4			50			
SJ 01641	29N	11W	19	2			120	55	65	
SJ 02026	29N	11W	19	3			27	6	21	
SJ 02970	29N	11W	19	4			100	18	82	
SJ 01250	29N	11W	19	4			60	20	40	
SJ 02869	29N	11W	20	2			50			
SJ 00583	29N	11W	20	3			150	30	120	

SJ 01355	29N	11W	20	4	4	36	3	33
SJ 00452	29N	11W	21			42	10	32
SJ 01969	29N	11W	21	2		65	55	10
SJ 00701 CLW312190	29N	11W	21	2	2	70	14	56
SJ 00701	29N	11W	21	2	2	73		
SJ 03350	29N	11W	21	2	2	50		
SJ 01090	29N	11W	21	2	4	31	12	19
SJ 02863	29N	11W	21	2	4	52	20	32
SJ 03659	29N	11W	21	3	2	45	10	35
SJ 01888	29N	11W	21	4	2	47	8	39
SJ 02200	29N	11W	22			60	22	38
SJ 01557	29N	11W	22	1	2	70	11	59
SJ 00796	29N	11W	22	1	2	50	8	42
SJ 00704	29N	11W	22	1	2	55	20	35
SJ 01703	29N	11W	22	1	2	68	3	65
SJ 03747 P001	29N	11W	22	1	2	47	27	20
SJ 02813	29N	11W	22	1	2	59	16	43
SJ 01214	29N	11W	22	1	3	49	12	37
SJ 00484	29N	11W	22	1	3	37	10	27
SJ 00320	29N	11W	22	1	3	38	10	28
SJ 03532	29N	11W	22	1	3	49	14	35
SJ 00151	29N	11W	22	1	3	45	18	27
SJ 02721	29N	11W	22	1	4		59	
SJ 03503	29N	11W	22	2	3	72	18	54
SJ 02578	29N	11W	22	2	3	58	24	34
SJ 03093	29N	11W	22	2	3	42	22	20
SJ 03189	29N	11W	22	3	2	45	20	25
SJ 03188	29N	11W	22	3	2	45	11	34
SJ 02020	29N	11W	22	3	3	27	6	21
SJ 02138	29N	11W	22	4	2	40	7	33
SJ 02529	29N	11W	22	4	2	30	9	21
SJ 03479	29N	11W	22	4	2	43	4	39
SJ 03049	29N	11W	22	4	2	33	10	23
SJ 00696	29N	11W	22	4	3	34	12	22
SJ 01974	29N	11W	22	4	3	47	11	36
SJ 03567	29N	11W	23	1	2	50	22	28
SJ 03557	29N	11W	23	1	3	50	15	35
SJ 03558	29N	11W	23	1	3	50	15	35
SJ 03559	29N	11W	23	1	3	45	15	30
SJ 00812	29N	11W	23	1	4	44		

SJ 03546	29N	11W 23	1 4 2	50	15	35
SJ 03591	29N	11W 23	1 4 4	55	20	35
SJ 01870	29N	11W 23	2	58	30	28
SJ 03130	29N	11W 23	2 1 3	50	30	20
SJ 03201	29N	11W 23	2 1 3	60	30	30
SJ 03353	29N	11W 23	2 1 3	45	25	20
SJ 01610	29N	11W 23	2 2	52	25	27
SJ 01573	29N	11W 23	2 3	41	21	20
SJ 03073	29N	11W 23	2 3 1	30		
SJ 03286	29N	11W 23	3 3 1	38	28	10
SJ 02799	29N	11W 23	4 1 1	56	15	41
SJ 03548	29N	11W 23	4 1 1	50	15	35
SJ 01962	29N	11W 24	1 2 2	45	12	33
SJ 03343	29N	11W 24	1 4 1	35	18	17
SJ 00804	29N	11W 25	1 4	37	25	12
SJ 01808 0-5	29N	11W 26	3 1 1	52	43	9
SJ 02121	29N	11W 27	1 1	30	6	24
SJ 02210	29N	11W 27	1 1	32	8	24
SJ 03588	29N	11W 27	1 1 2			
SJ 02227	29N	11W 27	1 1 4	27	6	21
SJ 00700	29N	11W 27	1 3 3	20	7	13
SJ 01808 0-4	29N	11W 27	2 3 3	32	25	7
SJ 01808 0-1	29N	11W 27	2 4 2	25	17	8
SJ 01808 0-2	29N	11W 27	2 4 3	27	19	8
SJ 01808 0-3	29N	11W 27	2 4 4	39	34	5
SJ 02664	29N	11W 27	3 2	40	26	14
SJ 02664 S	29N	11W 27	3 2	38	23	15
SJ 02664 S-2	29N	11W 27	3 2	34	19	15
SJ 02664 S-3	29N	11W 27	3 2	41	30	11
SJ 02664 S-9	29N	11W 27	3 2	33	19	14
SJ 02664 S-4	29N	11W 27	3 2	42	30	12
SJ 02664 S-10	29N	11W 27	3 2	33	19	14
SJ 02664 S-5	29N	11W 27	3 2	41	30	11
SJ 02664 S-6	29N	11W 27	3 2	40	28	12
SJ 02664 S-7	29N	11W 27	3 2	37	23	14
SJ 02664 S-8	29N	11W 27	3 2	35	25	10
SJ 02148	29N	11W 27	4 2	305	186	119
SJ 01808 0-6	29N	11W 27	4 2 1	50		
SJ 03762 POD1	29N	11W 28	1 1	27	15	12
SJ 03476	29N	11W 28	1 1 2	65		
			267348	2075529		

SJ 03415	29N	11W 28	1 2 1	60	20	40
SJ 02559	29N	11W 28	1 2 4	15	7	8
SJ 02330	29N	11W 28	2 1	128	115	13
SJ 03021	29N	11W 28	2 1 3	16	5	11
SJ 01606	29N	11W 28	2 2	35	8	27
SJ 03468	29N	11W 28	2 4	50		
SJ 03469	29N	11W 28	2 4 3	50		
SJ 02713	29N	11W 28	3 1 1	26	12	14
SJ 02858	29N	11W 28	3 1 3	40		
SJ 02714	29N	11W 28	3 2	43	28	15
SJ 02708	29N	11W 28	3 2	26	12	14
SJ 03149	29N	11W 28	4 2 2	60	35	25
SJ 03475	29N	11W 29	1 1 3	40	20	20
SJ 00292	29N	11W 29	2 1 4	24	9	15
SJ 01554	29N	11W 29	2 2	35	18	17
SJ 02038	29N	11W 29	4 1	14	4	10
SJ 03298	29N	11W 29	4 1 1	70	6	64
SJ 02023	29N	11W 29	4 2	24	7	17
SJ 02182	29N	11W 29	4 2	27	11	16
SJ 00822	29N	11W 29	4 3	34	15	19
SJ 03421	29N	11W 29	4 4 3	50	28	22
SJ 01391	29N	11W 30	2	40	25	15
SJ 03348	29N	11W 30	2 1 3	60		
SJ 01260	29N	11W 30	2 2	42	16	26
SJ 01264	29N	11W 30	2 2	27	12	15
SJ 01328	29N	11W 30	2 2	28	15	13
SJ 01821	29N	11W 30	2 4	70	6	64
SJ 00875	29N	11W 30	4 1	37	20	17
SJ 02922	29N	11W 31	3 2 2	75		
SJ 03795 POD1	29N	11W 31	3 2 4	75	45	30
SJ 03541	29N	11W 31	3 4 1	80	40	40
SJ 00441	29N	11W 32	2 2			
SJ 00103	29N	11W 32	4 4 4	263		
SJ 00103 S	29N	11W 32	4 4 4	254		
SJ 03666	29N	11W 33	2 1 3	49	30	19

367704 2073506

266438 2067001



Lodestar Services, Inc
PO Box 4465
Durango, CO 81302

CLOYD COOPER #1
T29N, R11W, S15G
San Juan County, NM

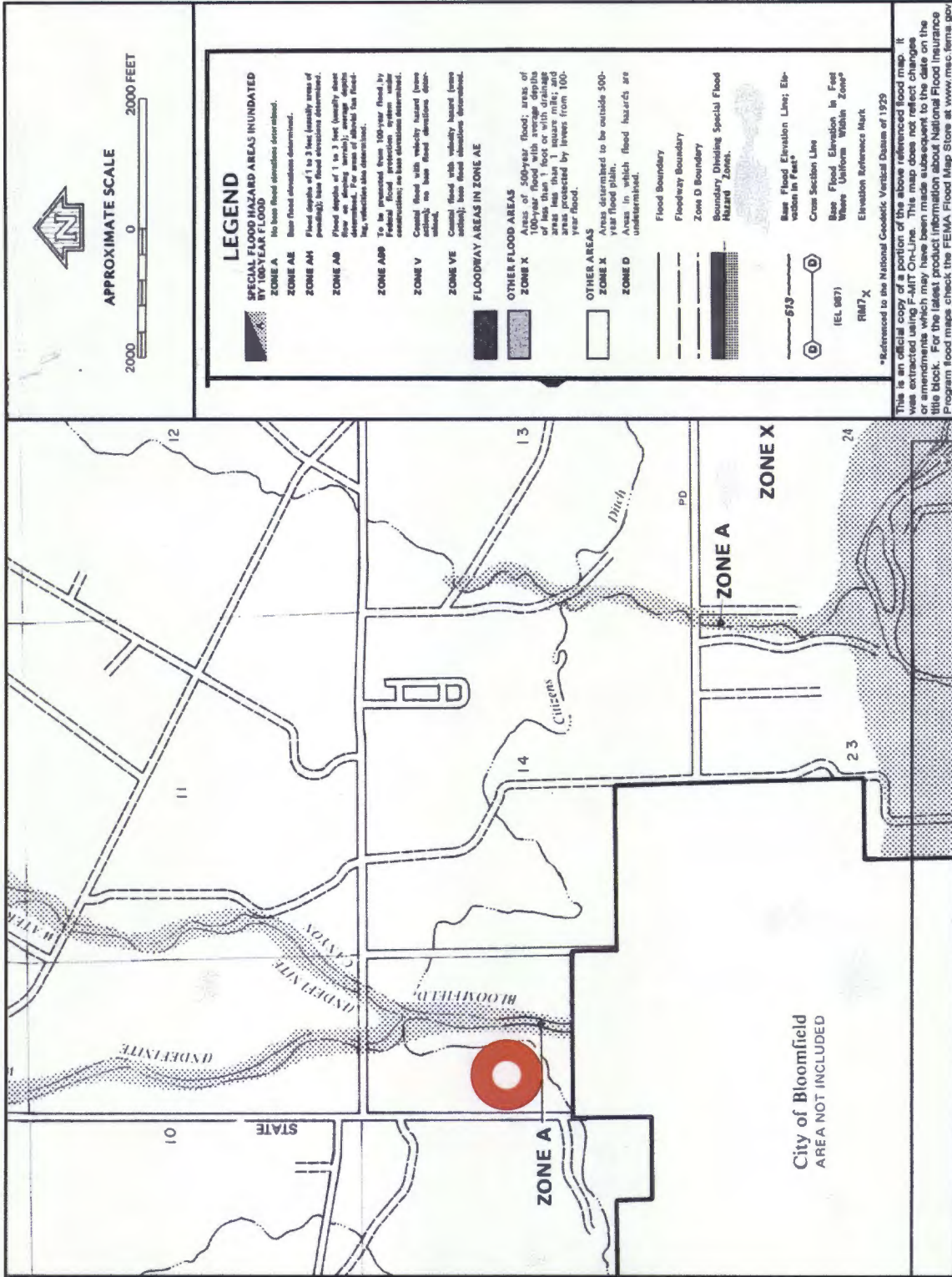
Aerial Photograph



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CLOYD COOPER #1
T29N, R11W, S15G
San Juan County, NM

Mines, Mills, and
Quarries Map



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	CLOYD COOPER #1 T29N, R11W, S15G San Juan County, NM	FEMA Flood Zone Map
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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

1. 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.
2. 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

bottom will be elevated a minimum of 6" above the underlying ground surface and the below-grade 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 1×10^{-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

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.

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

1. 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.
2. 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.
6. 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

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.

8. 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

14. All closure activities will include proper documentation and be available for review upon request 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:
 - i. 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;
 - v. Disposal facility name(s) and permit number(s);
 - vi. Soil backfilling and cover installation;
 - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable);
 - viii. Photo documentation of the site reclamation.

From: Lowe, Leonard, EMNRD
To: "Hixon, Logan"
Cc: McDaniel, James; Hoekstra, Kurt; Farnsworth, Rex; Griswold, Jim, EMNRD; Smith, Cory, EMNRD; Fields, Vanessa, EMNRD; Billings, Bradford, EMNRD
Subject: XTO 3 BGT C-144 closure approval
Date: Tuesday, April 26, 2016 3:53:00 PM
Attachments: image001.png
Importance: High

Mr. Hixon,

OCD has approved closure of BGT at the following:

 XTO_3004508004.pdf
 XTO_3004525886.pdf
 XTO_3004533328.pdf

Copies of the approved C-144's will be located on the OCD's website, located in their specific API numbers:
<http://ocdimage.emnrd.state.nm.us/imaging/AEOrderCriteria.aspx>

Thank you,

Leonard Lowe

Engineering Bureau
Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St. Frances
Santa Fe, New Mexico 87004
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Hixon, Logan [mailto:Logan_Hixon@xtoenergy.com]
Sent: Monday, February 15, 2016 10:28 AM
To: Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>
Cc: McDaniel, James <James_McDaniel@xtoenergy.com>; Hoekstra, Kurt <Kurt_Hoekstra@xtoenergy.com>; Farnsworth, Rex <Rex_Farnsworth@xtoenergy.com>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: 2016-2-15 Request for Approved Closure Plans Only

Good Morning Mr. Lowe,
We are requesting an approved closure plan only for the following sites regardless of size:

Well Name	Well #	API	Sec	Tns	Rng	Latitude	Longitude	Date Submitted
CALPINE SWD	1	3004509068	33B	30N	13W			C-144 Submitted 12/12/08
CANYON	20E	3004529684	13J	25N	11W	36.39796	107.95227	C-144 Submitted 12/12/08
CHAVEZ GAS COM B	1	3004508004	23I	29N	10W	36.70973	107.85861	C-144 Submitted 12/12/08
CLOYD COOPER	1	3004525886	15G	29N	11W	36.72789	107.97491	C-144 Submitted 12/12/08
FRPC 16	1	3004533328	16N	29N	13W			C-144 Submitted 12/12/08
GALLEGOS	8	3004521317	34M	26N	11W	36.43983	107.99682	C-144 Submitted 12/12/08
MARTINEZ GAS COM G	1G	3004531256	24G	29N	10W	36.71278	107.83417	C-144 Submitted 12/12/08
HAMPTON D	1	3004509759	26A	30N	11W	36.78805	107.95388	C-144 Submitted 12/12/08
MASDEN GAS COM	1E	3004524003	28D	29N	11W	36.7008	108.00131	C-144 Submitted 12/12/08
ABRAMS GAS COM E	1E	3004524733	30M	29N	10W	36.69193	107.931	C-144 Submitted
BEAVER LODGE COM	2A	3004523048	36C	31N	11W	36.86023	107.94635	C-144 Submitted
BEAVER LODGE COM	2R	3004521959	36A	31N	11W	36.85917	107.93595	C-144 Submitted

CALDWELL A	1	3004505674	27J	26N	11W	36.45681	107.98858	C-144 Submitted
CAMPBELL 26	1	3004530531	26N	27N	12W	36.54073	108.08324	C-144 Submitted
CAMPBELL 26	2	3004530532	26A	27N	12W	36.55069	108.07542	C-144 Submitted
DAVIDSON GAS COM F	1F	3004533556	28K	28N	10W	36.630861	107.902583	C-144 Submitted
DAVIDSON GAS COM G	2	3004532538	21I	28N	10W	37.145278	107.8925	C-144 Submitted
DAVIDSON GAS COM G	1G	3004533412	21A	28N	10W	36.652639	107.894222	C-144 Submitted
DAVIDSON GAS COM H	1F	3004533644	22E	28N	10W	36.650556	107.888222	C-144 Submitted
DAWSON A	1F	3004531123	04F	27N	8W	36.60611	107.68972	C-144 Submitted
E H PIPKIN	18	3004525144	12M	27N	11W	36.58531	107.961	C-144 Submitted
E H PIPKIN	22	3004525155	35N	28N	11W	36.61398	107.97518	C-144 Submitted
E H PIPKIN	25	3004525157	36L	28N	11W	36.61636	107.95995	C-144 Submitted
E H PIPKIN	29	3004528547	35N	28N	11W	36.6143	107.97592	C-144 Submitted
E H PIPKIN	30	3004528546	12G	27N	11W	36.59216	107.9521	C-144 Submitted
E H PIPKIN	31	3004529774	35H	28N	11W	36.61912	107.96546	C-144 Submitted
E H PIPKIN	33	3004532031	01F	27N	11W	36.60611	107.9575	C-144 Submitted
E H PIPKIN	34	3004532032	12J	27N	11W	36.5875	107.95167	C-144 Submitted
E H PIPKIN	35	3004532030	12E	27N	11W	36.59306	107.95972	C-144 Submitted
E H PIPKIN	36	3004534103	35D	28N	11W	36.62247	107.97994	C-144 Submitted
E H PIPKIN	37	3004532036	35I	28N	11W	36.61556	107.96639	C-144 Submitted
E H PIPKIN	38	3004532040	36E	28N	11W	36.62	107.96194	C-144 Submitted
E H PIPKIN	8R	3004531148	01L	27N	11W	36.60194	107.96056	C-144 Submitted
E H PIPKIN 36	2	3004527552	36B	28N	11W	36.623018	107.951065	C-144 Submitted
O H RANDEL	14	3004532909	09L	26N	11W	36.499444	108.014444	C-144 Submitted
VALENCIA CANYON UNIT	40B	3003929604	35K	28N	4W	36.616111	107.221389	C-144 Submitted
BOLACK C	16A	3004526662	33I	27N	8W	36.52633	107.68119	C-144 Submitted 01/09/09
UTE INDIANS A	33	3004530490	03A	31N	14W	36.92415	108.27254	C-144 Submitted 01/16/09
BERGER A	2S	3004532985	21P	26N	11W	36.46814	108.00313	C-144 Submitted 11/21/08
COOLIDGE	2	3004531221	22D	30N	14W	36.80399	108.30226	C-144 Submitted 11/21/08
DAY GAS COM A	1R	3004530036	18I	28N	10W	36.65994	107.93088	C-144 Submitted 11/21/08
EATON WHITE	1	3004508097	20F	29N	13W	36.715253	108.232111	C-144 Submitted 11/21/08
GALLEGOS FEDERAL 26 13 1	1	3004528881	01B	26N	13W	36.52222	108.16731	C-144 Submitted 11/21/08
HANCOCK	10	3004506930	01A	27N	12W	36.60869	108.05743	C-144 Submitted 11/21/08
HOOVER	2	3004531220	21A	30N	14W	36.80466	108.30876	C-144 Submitted 11/21/08
RPC 17	3	3004530938	17M	29N	13W	36.722194	108.2355	C-144 Submitted 12/05/08
STATE GAS COM M	1A	3004522765	16I	31N	12W	36.8954	108.0954	C-144 Submitted 12/05/08
UTE INDIANS A	15	3004523501	36E	32N	14W	36.94685	108.26522	C-144 Submitted 12/05/08
JOHNSON GAS COM B	1	3004513043	21H	27N	10W	36.56339	107.89428	C-144 Submitted 12/12/08

Thank you for the help and have a good day!

Thank You!

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