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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

# Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

| | | | |
|---|---|---|---|
| Name of Company | COG OPERATING LLC | Contact | Pat Ellis |
| Address | 550 W. Texas, Suite 100, Midland, TX 79701 | Telephone No. | 432-230-0077 |
| Facility Name | Prohibition Federal Unit #2 SWD | Facility Type | SWD |

| | | |
|---|---|---|
| Surface Owner Federal | Mineral Owner | Lease No. (API#) 30-025-31716 |

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---|---|---|---|---|---|---|---|---|
| K | 11 | 22S | 32E | | | | | Lea |

**Latitude 32 24.253 Longitude 103 38.826**

## NATURE OF RELEASE

| | | |
|---|---|---|
| Type of Release Produced water | Volume of Release 20bbls | Volume Recovered 19bbls |
| Source of Release Produced water tank | Date and Hour of Occurrence 08/14/2012 | Date and Hour of Discovery 08/14/2012 3:00 p.m. |
| Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? ☐ Yes ☒ No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The produced water was entering the facility faster than the equalizer could handle which ultimately caused the release of fluid.

Describe Area Affected and Cleanup Action Taken.*

Initially 20bbls were released from the water tank and we were able to recover 19bbls with a vacuum truck. The released fluid was contained inside the dike walls of the facility. All free fluids have been recovered and the tank has been cleaned. Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD/BLM for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|---|---|---|
| Signature: | OIL CONSERVATION DIVISION | |
| Printed Name: Josh Russo | Approved by District Supervisor: | |
| Title: HSE Coordinator | Approval Date: | Expiration Date: |
| E-mail Address: jrusso@conchoresources.com | Conditions of Approval: | Attached ☐ |
| Date: 08/22/2012 Phone: 432-212-2399 | | |

* Attach Additional Sheets If Necessary

HOBBS OCD

NOV 05 2012

RECEIVED

# SITE INFORMATION

## Report Type: Work Plan

| General Site Information: | | | | | | |
|---|---|---|---|---|---|---|
| Site: | Prohibition Federal Unit #2 SWD | | | | | |
| Company: | COG Operating LLC | | | | | |
| Section, Township and Range | Unit K | Sec 11 | T22S | R32E | | |
| Lease Number: | API-30-025-31716 | | | | | |
| County: | Lea County | | | | | |
| GPS: | 32.822267° N | | | 104.069467° W | | |
| Surface Owner: | Federal | | | | | |
| Mineral Owner: | | | | | | |
| Directions: | East of Loving at the intersection of Hwy 31 and Hwy 128 (Jal Hwy), travel east on Hwy 128 for 17.8 miles, turn left onto Red Rd and travel for 7.32 miles, turn right (Mills Ranch Rd) and travel for 7.1 miles, turn left and travel 1.2 miles to site. | | | | | |

| Release Data: | |
|---|---|
| Date Released: | 8/14/2012 |
| Type Release: | Produced Water |
| Source of Contamination: | Produced Water Tank |
| Fluid Released: | 20 bbls |
| Fluids Recovered: | 19 bbls |

| Official Communication: | | | |
|---|---|---|---|
| Name: | Pat Ellis | | Ike Tavarez |
| Company: | COG Operating, LLC | | Tetra Tech |
| Address: | 550 W. Texas Ave. Ste. 1300 | | 1910 N. Big Spring |
| P.O. Box | | | |
| City: | Midland Texas, 79701 | | Midland, Texas |
| Phone number: | (432) 686-3023 | | (432) 682-4559 |
| Fax: | (432) 684-7137 | | |
| Email: | pellis@conchoresources.com | | ike.tavarez@tetratech.com |

| Ranking Criteria | | |
|---|---|---|
| Depth to Groundwater: | Ranking Score | Site Data |
| <50 ft | 20 | |
| 50-99 ft | 10 | |
| >100 ft. | 0 | 0 |
| WellHead Protection: | Ranking Score | Site Data |
| Water Source <1,000 ft., Private <200 ft. | 20 | |
| Water Source >1,000 ft., Private >200 ft. | 0 | 0 |
| Surface Body of Water: | Ranking Score | Site Data |
| <200 ft. | 20 | |
| 200 ft - 1,000 ft. | 10 | |
| >1,000 ft. | 0 | 0 |
| Total Ranking Score: | 0 | |

| Acceptable Soil RRAL (mg/kg) | | |
|---|---|---|
| Benzene | Total BTEX | TPH |
| 10 | 50 | 5,000 |

approved

Environmental Specialist

NMOCD - DIST 1

12/03/12

TETRA TECH

November 5, 2012

Mr. Geoffrey Leking
Environmental Engineer Specialist
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Work Plan for the COG Operating LLC., Prohibition Federal Unit #2 SWD, Unit K, Section 11, Township 22 South, Range 32 East, Lea County, New Mexico.**

Mr. Leking:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Prohibition Federal Unit #2 SWD, Unit K, Section 11, Township 22 South, Range 32 East, Lea County, New Mexico (Site). The spill site coordinates are N 32.40408°, W 103.64719°. The site location is shown on Figures 1 and 2.

**Background**

According to the State of New Mexico C-141 Initial Report, the leak was discovered on August 14, 2012, and released approximately twenty (20) barrels of produced water from the water tank with nineteen (19) barrels of standing fluids recovered. The spill was completely contained inside the firewalls of the tank battery and measured approximately 20' x 85'. The initial C-141 form is enclosed in Appendix A.

**Groundwater**

No water wells were listed within Section 11. According to the NMOCD groundwater map, the average depth to groundwater in this area is approximately 350' below surface. The USGS and the New Mexico State Engineers have wells listed in Section 14 at depths to groundwater of 382' and 350', respectively. The average depth to groundwater map is shown in Appendix B.

Tetra Tech
1910 North Big Spring Midland TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

## Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

## Soil Assessment and Analytical Results

On September 6, 2012, Tetra Tech personnel inspected and sampled the spill area. Four (4) auger holes (AH-1 through AH-4) were installed using a stainless steel hand auger to assess the impacted soils. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The sampling results are summarized in Table 1. The auger hole locations are shown on Figure 3.

Referring to Table 1, the area of AH-4 showed elevated concentrations above the RRAL for TPH and BTEX at a depth of 0 to 1.0'. The TPH concentration declined below the RRAL at 1.5' below surface, but the total BTEX concentration of 76.7 mg/kg was not vertically defined. Auger holes (AH-1, AH-2 and AH-3) showed elevated chloride concentrations and AH-1 and AH-2 were not vertically defined, with bottom hole samples of 9,550 mg/kg (2-2.5') and 6,360 mg/kg (1-1.5'), respectively. Auger hole (AH-3) did show a significant decline with depth to 617 mg/kg at 2-2.5' below surface.

## Work Plan

COG proposes to excavate the impacted soil to a depth of 2.0' to 3.0' below surface. In the areas of AH-1 and AH-2, backhoe trenches will be installed in order to assess and attempt to vertically define the chloride impact. Based on the field data, the areas will be excavated to the appropriate depths (maximum depth of 3.0'), if accessible. In addition, the area of AH-4 will be excavated to a depth of approximately 2.0' to 3.0' and a bottom hole sample will be collected to confirm the removal of the soil

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above the RRAL for total BTEX. All of the excavated material will be transported offsite for proper disposal. Once final excavation depths are achieved, the site will be backfilled with clean material and brought to grade.

Based on the limited area, deeper excavation at the site may not be practicable due to equipment onsite. If the impacted soils are not defined or defined at deeper depths, the spill area will be excavated and capped with a clay material at 3.0' below surface and backfilled with clean soil.

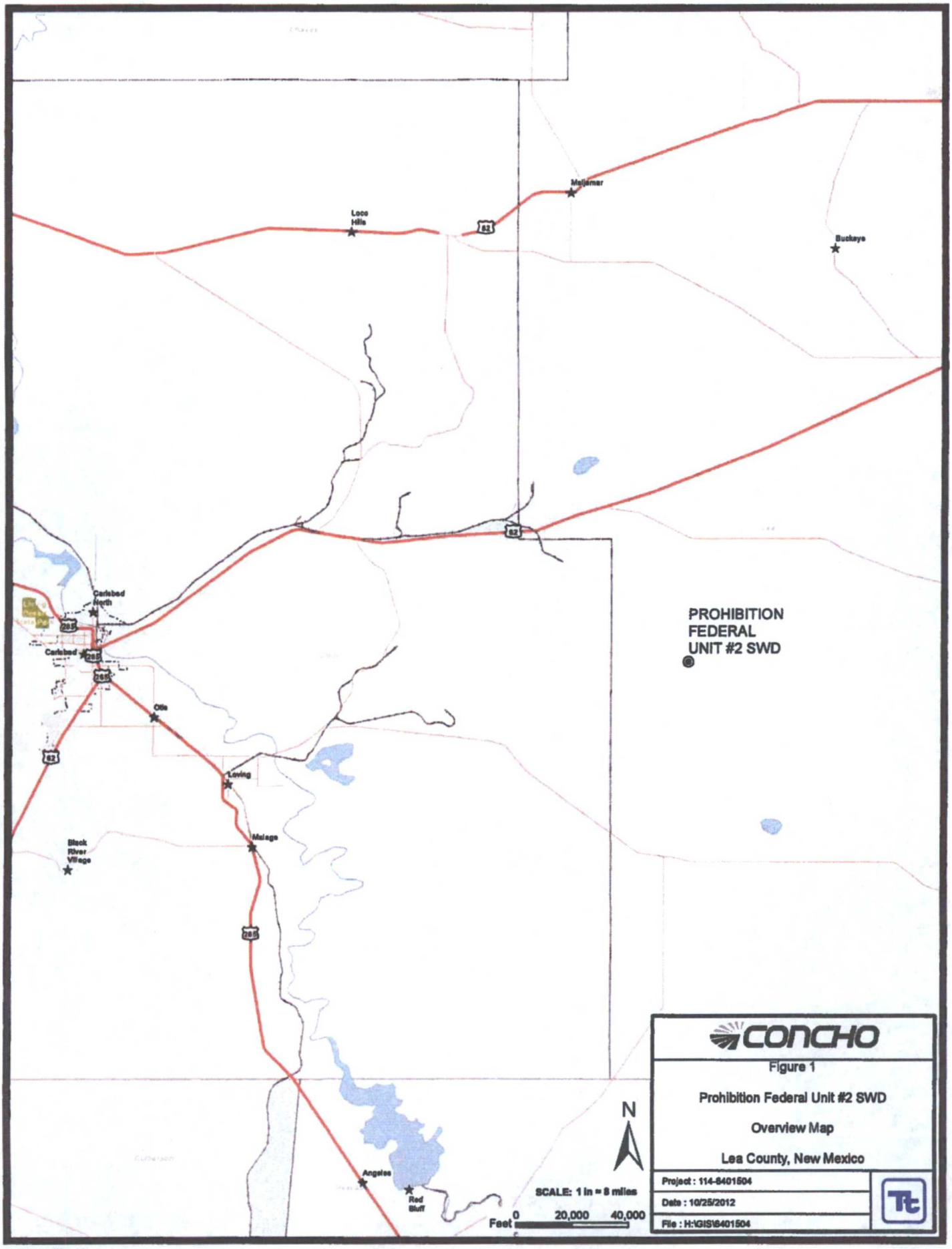
Due to the location of the spill, the proposed excavation depths or deeper excavation may not be achieved due to wall cave ins, limited access, oil and gas equipment, electrical, structures or lines which may not be feasible or practicable to be removed due to safely concerns. As such, Tetra Tech will excavate the soils to the maximum extent practicable. If the impacted soil is not accessible, the soil will be deferred until the abandonment of the facility.

Upon completion, a final report will be submitted to the NMOCD. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call me at (432) 682-4559.

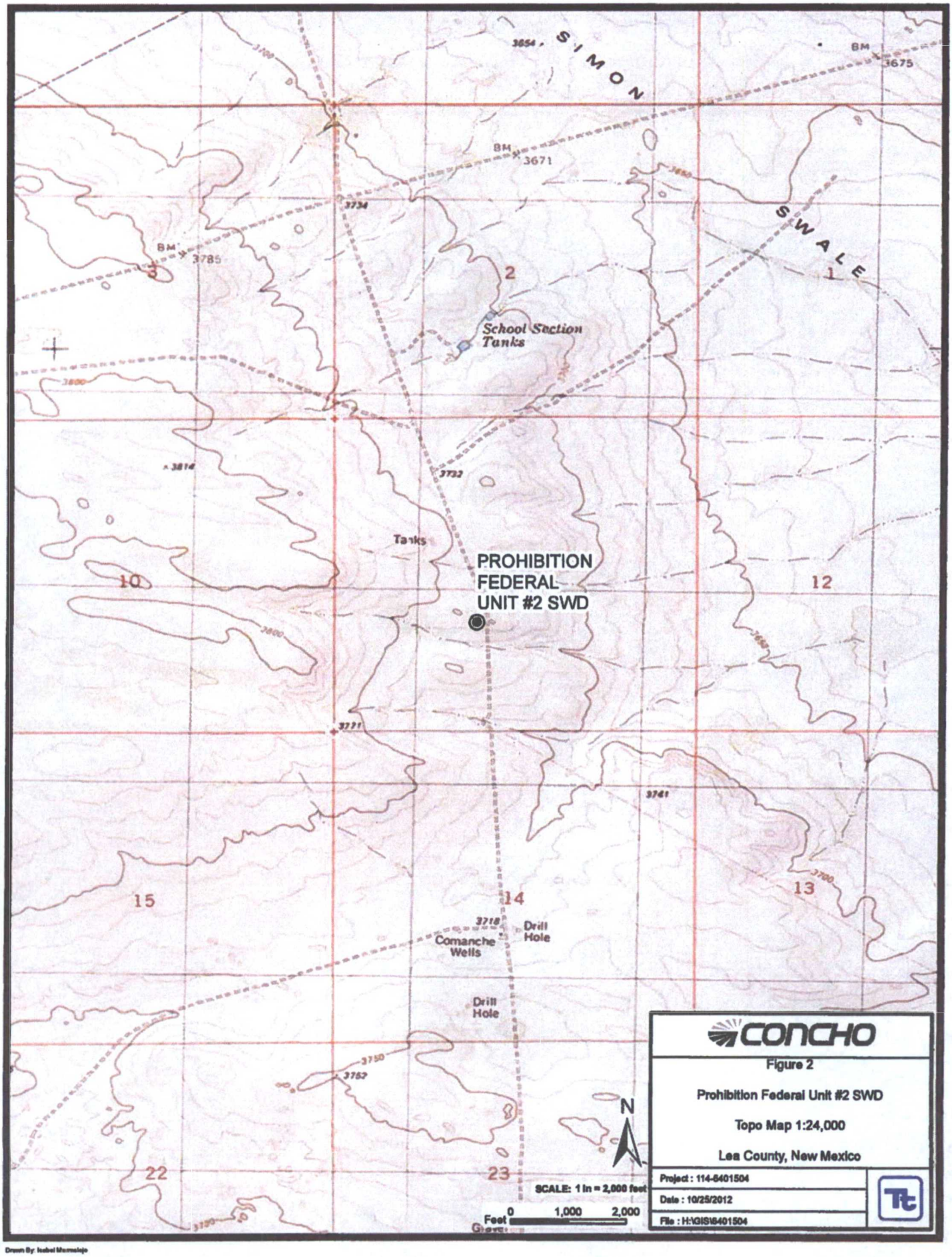
Respectfully submitted,
TETRA TECH

Ike Tavarez, PG
Senior Project Manager

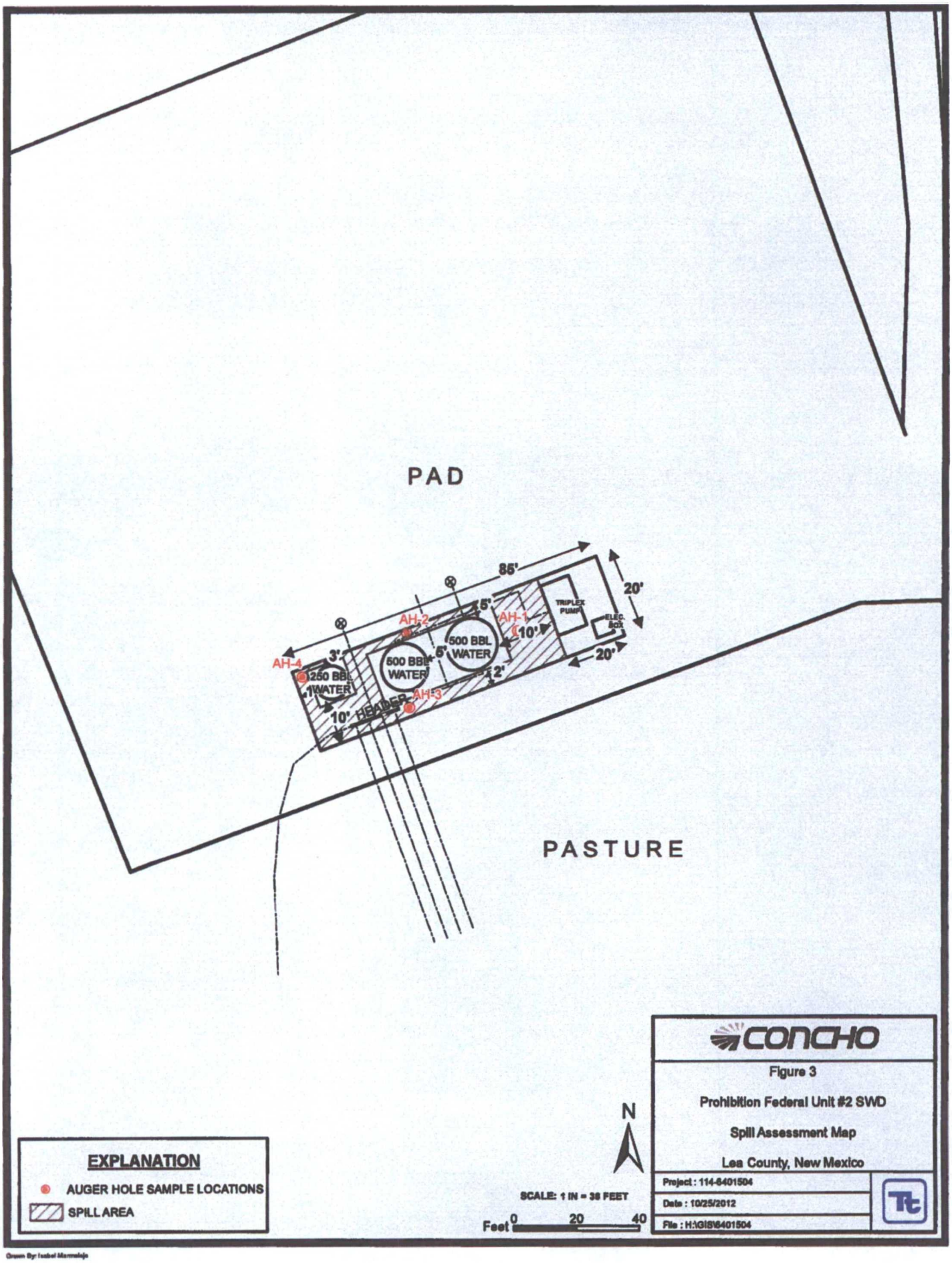
cc: Pat Ellis – COG
cc: Jim Amos - BLM



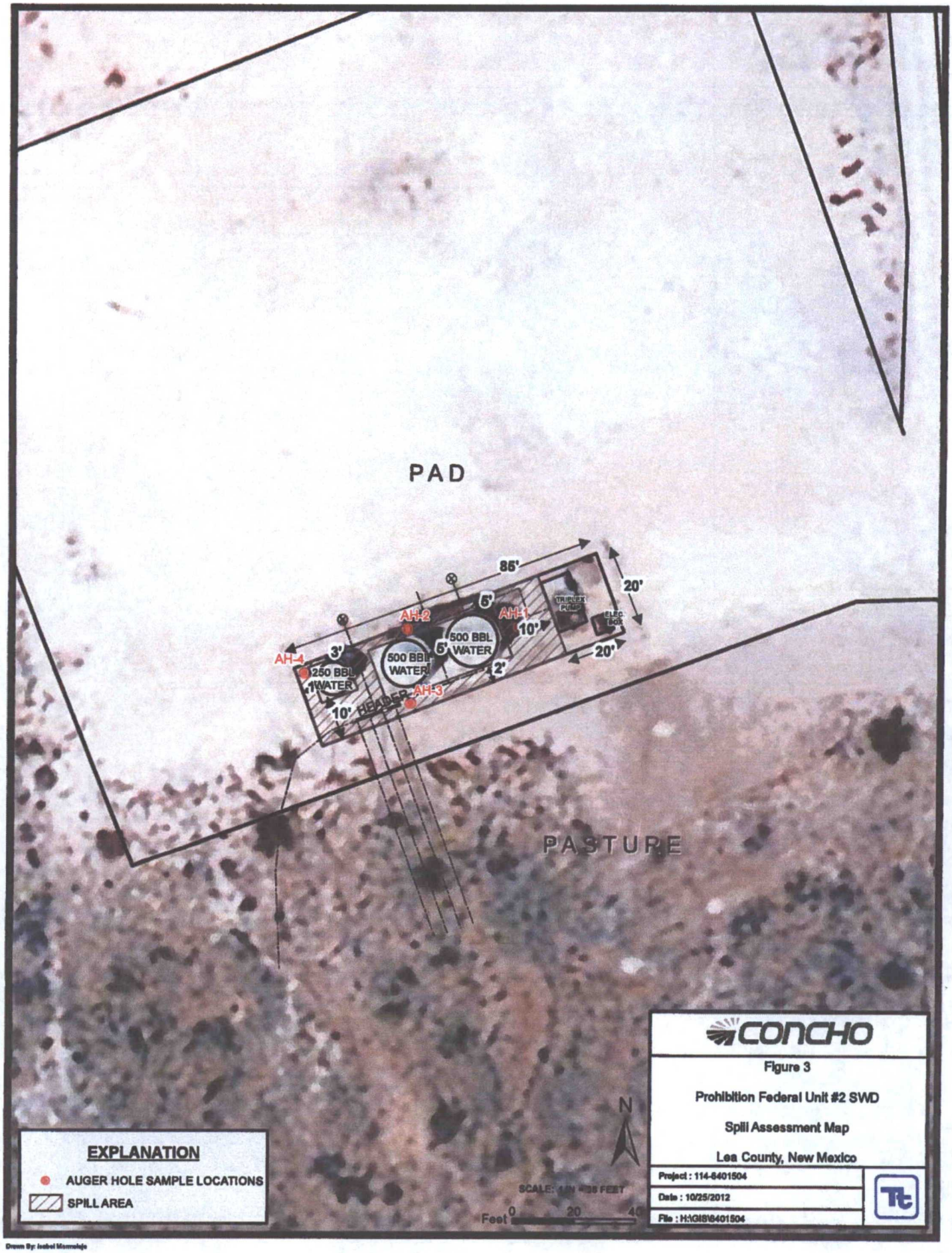

Drawn By: Isabel Maimolejo



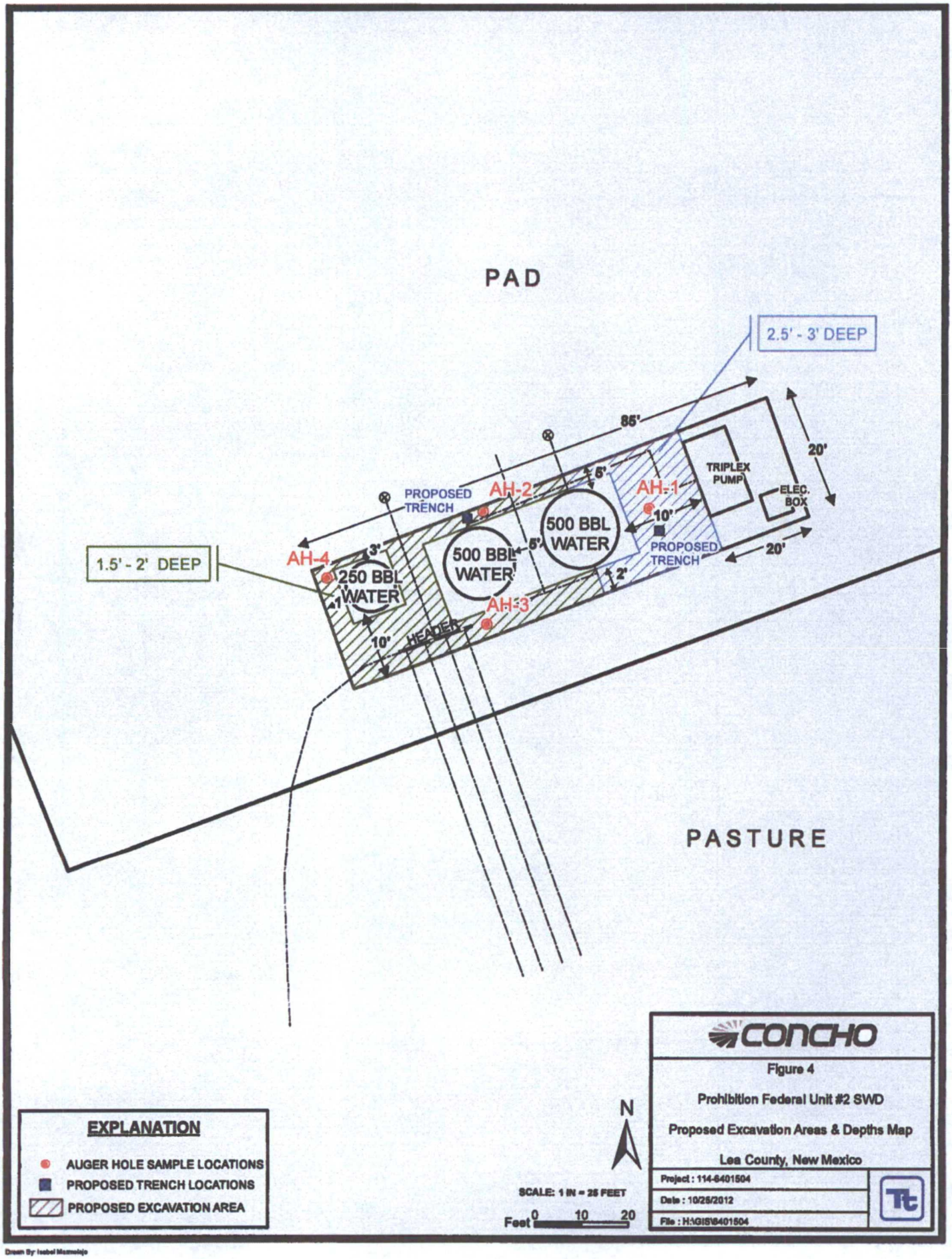

Drawn By: Isabel Manosalva




Drawn By: Isabel Marmolejo




Drawn By: Isabel Manriquez




Drawn By: Isabel Mazmanjo

# Table 1
## COG Operating LLC.
## Prohibition Federal #2 Salt Water Disposal
## Lea County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | In-Situ | Removed | GRO | DRO | Total | | | | | | |
| AH-1 | 9/6/2012 | 0-1 | X | | 1,010 | <50.0 | 1,010 | <1.00 | 6.70 | 3.57 | 16.4 | 26.7 | 19,100 |
| | " | 1-1.5 | X | | - | - | - | - | - | - | - | - | 10,900 |
| | " | 2-2.5 | X | | - | - | - | - | - | - | - | - | 9,550 |
| AH-2 | 9/6/2012 | 0-1 | X | | 1,050 | <50.0 | 1,050 | <1.00 | 4.20 | 4.22 | 15.6 | 24.0 | 18,000 |
| | " | 1-1.5 | X | | - | - | - | - | - | - | - | - | 6,360 |
| AH-3 | 9/6/2012 | 0-1 | X | | 22.9 | <50.0 | 22.9 | <0.0200 | <0.0200 | <0.0200 | <0.0200 | <0.0200 | 4,340 |
| | " | 1-1.5 | X | | - | - | - | - | - | - | - | - | 1,560 |
| | " | 2-2.5 | X | | - | - | - | - | - | - | - | - | 617 |
| AH-4 | 9/6/2012 | 0-1 | X | | 3,530 | 2,280 | 5,810 | 3.91 | 44.2 | 24.0 | 83.2 | 155 | <20.0 |
| | " | 1-1.5 | X | | 360 | 60.7 | 421 | 5.08 | 24.9 | 12.4 | 34.3 | 76.7 | 74.1 |

( - ) Not Analyzed

Proposed Excavation Depths

COG Operating LLC
Prohibition Federal Unit #2 SWD
Lea County, New Mexico

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View West – Area of AH-1 and AH-2


View South – Area of AH-4

# Water Well Data
## Average Depth to Groundwater (ft)
## COG - Prohibition Federal Unit #2 SWD
## Lea County, New Mexico

**21 South 31 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16<br>630 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33<br>SITE | 34 | 35 | 36 |

**22 South 31 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16<br>448 | 15 | 14 | 13 |
| 19 | 20<br>47 | 21 | 22 | 23 | 24 |
| 30 | 29<br>413 | 28<br>444 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**23 South 31 East**

| | | | | | |
|---|---|---|---|---|---|
| 6<br>85 | 5<br>354 | 4<br>168 | 3 | 2 | 1 |
| 7<br>140 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**21 South 32 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**22 South 32 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11<br>SITE | 12 |
| 18 | 17 | 16 | 15 | 14 382<br>350 | 13 |
| 19 (S)<br>280 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**23 South 32 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21<br>400 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**21 South 33 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 79<br>107 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28<br>179 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**22 South 33 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13<br>391 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**23 South 33 East**

| | | | | | |
|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

- New Mexico State Engineers Well Reports
- USGS Well Reports
- Geology and Groundwater Conditions in Southern Eddy, County, NM
- NMOCD - Groundwater Data
- Field water level
- New Mexico Water and Infrastructure Data System

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## National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater
Geographic Area: United States
GO

News - updated September 2012

# Groundwater levels for the Nation

## Search Results -- 1 sites found

Search Criteria

**Agency code =** usgs
**site_no list =**
- 322314103384301

**Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

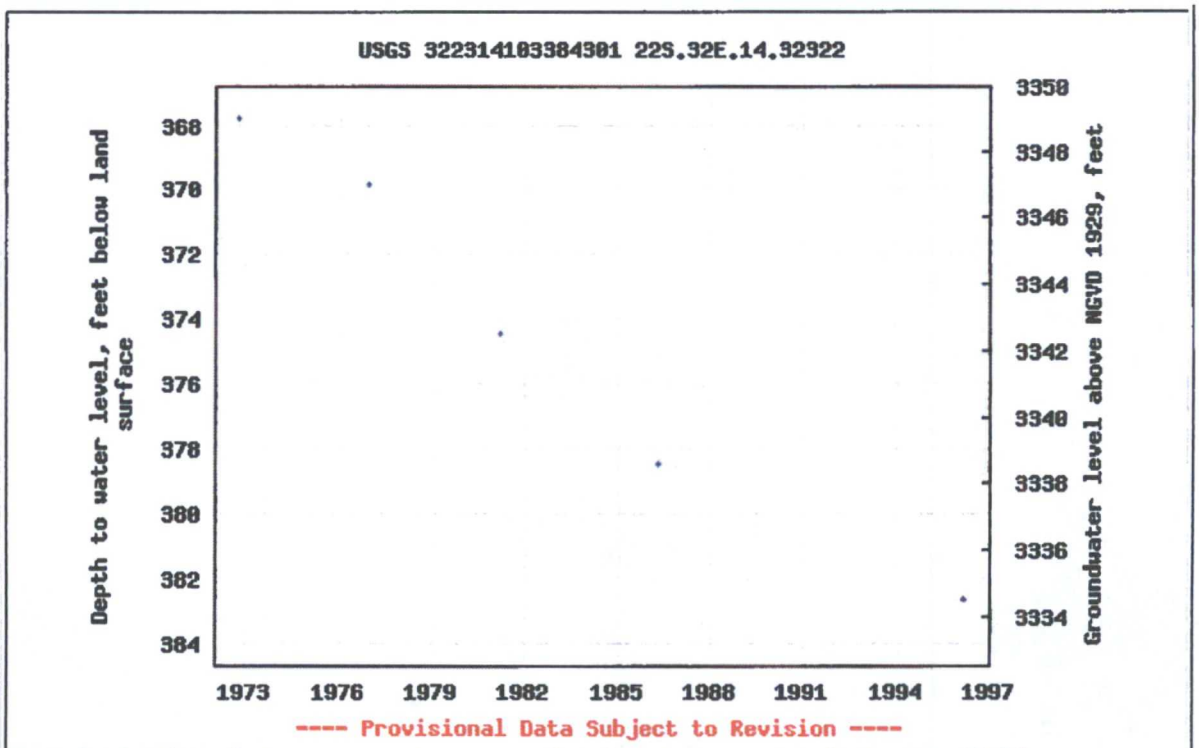
## USGS 322314103384301 22S.32E.14.32322

**Available data for this site** Groundwater: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code --
Latitude 32°23'23", Longitude 103°38'53" NAD27
Land-surface elevation 3,717.00 feet above NGVD29
The depth of the well is 435 feet below land surface.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

**Output formats**

| |
|---|
| Table of data |
| Tab-separated data |
| Graph of data |
| Reselect period |




Breaks in the plot represent a gap of at least one year between field measurements.

Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help

Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

**Title: Groundwater for USA: Water Levels**
**URL: http://nwis.waterdata.usgs.gov/nwis/gwlevels?**

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2012-10-24 11:05:49 EDT
0.33 0.31 nadww01

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Code | Subbasin | County | Q 64 | Q 16 | Q 4 | Sec | Twn | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02096 | | | ED | | 2 | 3 | 14 | 22S | 32E | 627204 | 3584464* | 435 | 360 | 75 |
| C 02821 | | C | LE | 2 | 2 | 3 | 14 | 22S | 32E | 627303 | 3584563* | 540 | 340 | 200 |

Average Depth to Water: **350 feet**

Minimum Depth: **340 feet**

Maximum Depth: **360 feet**

**Record Count:** 2

**PLSS Search:**

Section(s): 14 Township: 22S Range: 32E

***UTM location was derived from PLSS - see Help**



10/24/12 9:20 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: September 26, 2012

Work Order: 12091203

Project Location: NM
Project Name: COG/Prohibition Fed. #2 SWD
Project Number: 114-6401504

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|---|---|---|---|---|---|
| 308953 | AH-1 0-1' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308954 | AH-1 1-1.5' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308955 | AH-1 2-2.5' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308956 | AH-2 0-1' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308957 | AH-2 1-1.5' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308958 | AH-3 0-1' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308959 | AH-3 1-1.5' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308960 | AH-3 2-2.5' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308961 | AH-4 0-1' | soil | 2012-09-06 | 00:00 | 2012-09-11 |
| 308962 | AH-4 1-1.5' | soil | 2012-09-06 | 00:00 | 2012-09-11 |

| | BTEX | | | | TPH DRO - NEW | TPH GRO |
|---|---|---|---|---|---|---|
| Sample - Field Code | Benzene (mg/Kg) | Toluene (mg/Kg) | Ethylbenzene (mg/Kg) | Xylene (mg/Kg) | DRO (mg/Kg) | GRO (mg/Kg) |
| 308953 - AH-1 0-1' | <1.00 Qs | 6.70 Qs | 3.57 Qs | 16.4 Qs | <50.0 | 1010 |
| 308956 - AH-2 0-1' | <1.00 Qs | 4.20 Qs | 4.22 Qs | 15.6 Qs | <50.0 | 1050 |
| 308958 - AH-3 0-1' | <0.0200 Qs | <0.0200 Qs | <0.0200 Qs | <0.0200 Qs | <50.0 | 22.9 |
| 308961 - AH-4 0-1' | 3.91 Qs | 44.2 Qs | 24.0 Qs | 83.2 Qs | 2280 | 3530 |
| 308962 - AH-4 1-1.5' | 5.08 H | 24.9 | 12.4 | 34.3 | 60.7 | 360 H |

**Sample: 308953 - AH-1 0-1'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 19100 | mg/Kg | 4 |

**Sample: 308954 - AH-1 1-1.5'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 10900 | mg/Kg | 4 |

**Sample: 308955 - AH-1 2-2.5'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 9550 | mg/Kg | 4 |

**Sample: 308956 - AH-2 0-1'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 18000 | mg/Kg | 4 |

**Sample: 308957 - AH-2 1-1.5'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 6360 | mg/Kg | 4 |

**Sample: 308958 - AH-3 0-1'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 4340 | mg/Kg | 4 |

**Sample: 308959 - AH-3 1-1.5'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 1560 | mg/Kg | 4 |

**Sample: 308960 - AH-3 2-2.5'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 617 | mg/Kg | 4 |

**Sample: 308961 - AH-4 0-1'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | <20.0 | mg/Kg | 4 |

**Sample: 308962 - AH-4 1-1.5'**

| Param | Flag | Result | Units | RL |
|---|---|---|---|---|
| Chloride | | 74.1 | mg/Kg | 4 |