

January 7, 2025 New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Remediation Work Plan

South Hobbs GSA Unit 238O04

API: 30-025-31424

Incident Number: nAPP2410037098

32.6840661°N, 103.152430°W Lea County, New Mexico

### To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA, Inc. (Oxy), has prepared the following *Remediation Work Plan* (*Work Plan*) to document the site assessment activities completed to date and propose a work plan to address impacted soil identified at the South Hobbs GSA Unit 238O04 (Site). The purpose of the site assessment activities was to delineate the vertical and horizontal extent of impacted soil resulting from a release of produced water at the Site. The following Work Plan proposes to excavate impacted soil within the top 2 feet to 6 feet of the release extent.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 04, Township 19 South, Range 38 East, in Lea County, New Mexico (32.6840661°N, 103.152430°W) and is in a pasture not associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (SLO).

On April 8, 2024, a leak on an injection line due to equipment failure resulted in the release of 2,220 barrels (bbls) of produced water into the pasture. Approximately 1,850 bbls of produced water was recovered via the use of vacuum trucks. Oxy verbally reported the release via email to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (SLO) on April 9, 2024 submitted a notification of release (NOR) on the NMOCD portal. The release was subsequently assigned Incident Number nAPP2410037098.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on NMOCD Portal of the Form C-141, Site Assessment/Characterization submitted on April 18, 2024. Potential site receptors are identified on **Figure 2** in **Appendix A**.

Depth to groundwater at the Site is less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The Well Records for the water wells located within 0.5-mile of the Site are included in **Appendix B**.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 N. Marienfeld Street, Suite 400 | Midland, TX 79701 | ensolum.com

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The closest continuously flowing or significant watercourse to the Site is a man-made riverine located approximately 129 feet northwest of the Site that is utilized for the stormwater runoff from the nearby city of Hobbs, New Mexico. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by stable geology (low potential karst designation area).

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

#### **CULTURAL PROPERTIES PROTECTION RULE**

The release was identified in the pasture and as a result, the release location was assessed for determination of whether the release encroached into undisturbed areas to comply with the Cultural Properties Protection Rule (CPP) prior to disturbing the surface with mechanical equipment. An Archaeological Records Management System (ARMS) review was performed for the right-of-way prior to construction. No cultural resources were identified within and/or around the release extent requiring remediation efforts. An approved CPP Rule cover sheet showing the area was previously surveyed is attached as Supporting Documentation in **Appendix B** and will be included in the final Closure Request.

### **BIOLOGICAL COMPLIANCE AND REPORTING**

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils. The desktop review results can be found in the Supporting Documentation in **Appendix B**.

- The Site is not located within an area of possible threatened, endangered, and sensitive wildlife and plant species.
- No environmentally sensitive receptors were located near the Site as mentioned in the Site Characterization.
- The soil type is classified as Kimbrough-Lea complex, dry 0 to 3 percent slopes (KU), according
  to the Web Soil Survey. KU is considered a sensitive soil by the SLO definition. The release
  occurred directly onto the pasture potentially containing sensitive soils and will be remediated
  accordingly to minimize impacts.

### SITE ASSESSMENT AND DELINEATION ACTIVITIES

On September 5, 2024 and September 6, 2024, Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided on the C-141 and visual observations. At this time, initial delineation pothole samples were advanced by Diamondback Disposal Services (Diamondback) and were collected by Ensolum throughout the release extent with the use of a trackhoe. Based on these delineation results, the entire release extent was initially excavated down to depths varying from 1-foot to 3 feet bgs.



Oxy USA, Inc. Remediation Work Plan South Hobbs GSA Unit 238004 January 7, 2025

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From October 28, 2024 to November 1, 2024. Subsequent to excavation activities, Ensolum personnel attempted to collect initial excavation floor and sidewall samples, but due to high field screenings noted throughout the excavation extent, it was decided that additional pothole delineation was needed.

From November 13, 2024 to November 15, 2024, Ensolum and Diamondback collected 70 delineation pothole soil samples from 42 locations (PH01 through PH42) within the excavation extent from depths varying from 2 foot to 6 feet bgs utilizing a trackhoe to assess the vertical extent of the release. Since chloride concentrations were determined to be the main concern after the initial pothole delineation and attempted sampling activities, the soil samples were field screened for chloride using Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on **Figure 1** (**Appendix A**). Photographic documentation was completed during the Site visit and a Photographic Log is included in **Appendix C**.

#### FIELD SCREENING AND LABORATORY ANALYTICAL RESULTS

Field screening results for the delineation soil samples (PH01 through PH42) indicated that chloride concentrations exceeded the Closure Criteria at depths ranging from 2 feet to 6 feet bgs for various pothole soil sample locations. The terminal depth sample from each delineation pothole, located in **Table A** (**Appendix D**), indicated chloride concentrations were compliant with the Closure Criteria and successfully defined the vertical extent of impacted soil.

Once excavation activities are completed, official excavation composite floor and sidewall soil samples will be collected every 200 square feet. Samples will be placed in pre-cleaned glass jars labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The samples will be transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of BTEX, following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM-4500 CI-B.

#### PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soils containing elevated chloride concentrations exist across an approximate 72,743 square foot area and extends to a maximum depth of 6 feet bgs. Oxy proposes to complete the following remediation activities:

- Excavation of impacted soil to varying depths of 2 foot to 6 feet bgs based on the pothole
  delineation field screening soil sample results. Excavation will proceed vertically and laterally
  until the excavation floor and sidewall samples confirm benzene, total BTEX, TPH, and chloride
  concentrations are compliant with the applicable Closure Criteria.
- An estimated 8,208 cubic yards (cy) of impacted soil will be excavated. The excavated soil will be transferred to a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions

Oxy will proceed with the excavation and soil sampling activities and will submit a Closure Report within 90 days of the date of approval of this Work Plan by the SLO and NMOCD.

If you have any questions or comments, please contact Ms. Kelly Lowery at (214) 733-3165 or klowery@ensolum.com.



Oxy USA, Inc. Remediation Work Plan South Hobbs GSA Unit 238004 January 7, 2025

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Sincerely, **Ensolum, LLC** 

Kelly Lowery, GIT Project Geologist Beaux Jennings Associate Principal

cc: Wade Dittrich, Oxy USA, Inc. Tyson Pierce, Oxy USA, Inc.

SLO

### Appendices:

Appendix A Figures

Appendix B Supporting Documentation

Appendix C Photographic Log

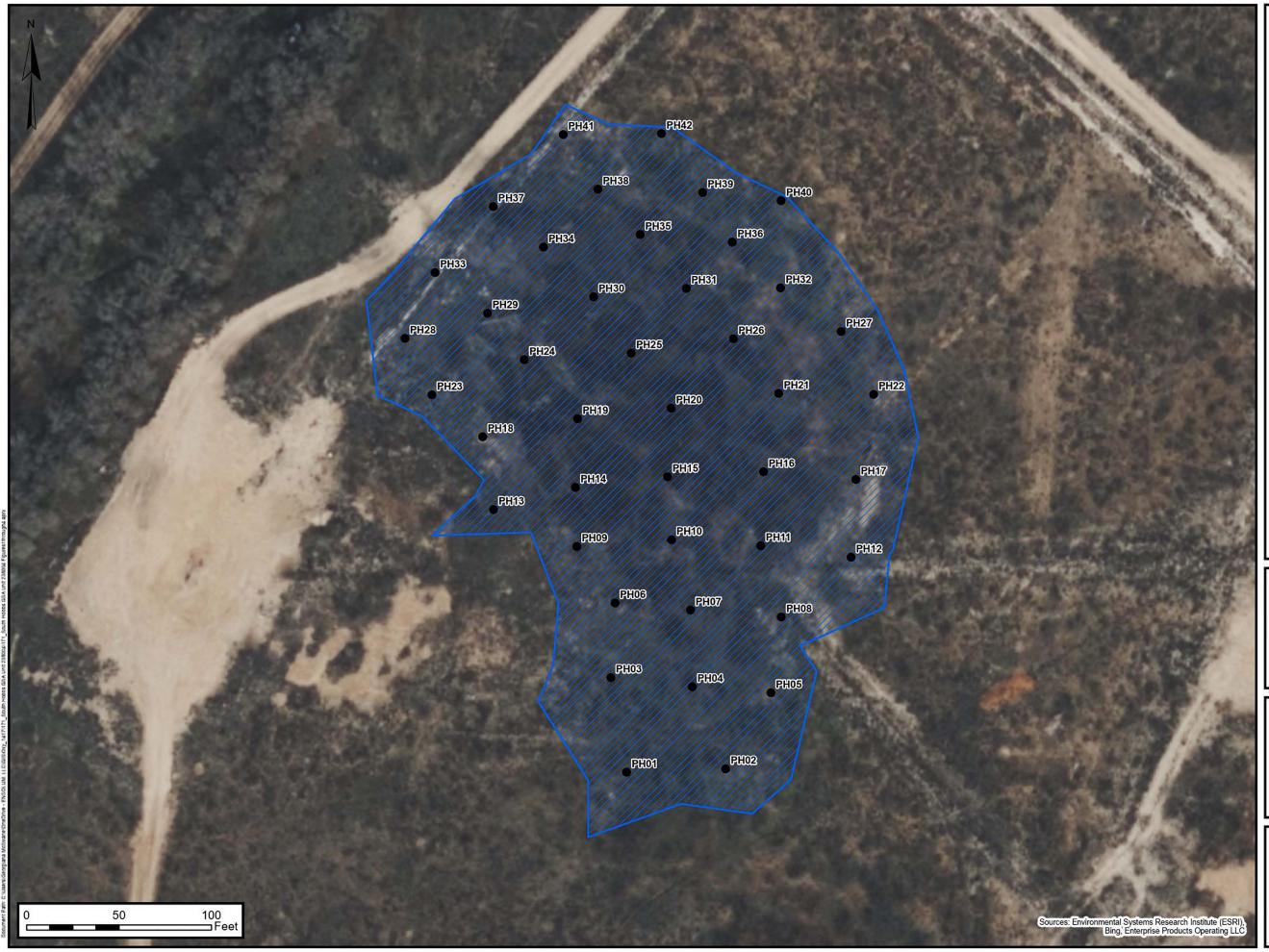
Appendix D Field Screening Soil Sample Results Table



**APPENDIX A** 

Figures

Received by OCD: 1/7/2025 11:06:30 AM



## | Legend

Pothole Soil Sample Location



Excavation Extent

## Pothole Delineation Site Map

Oxy USA Inc. South Hobbs GSA Unit 238O04

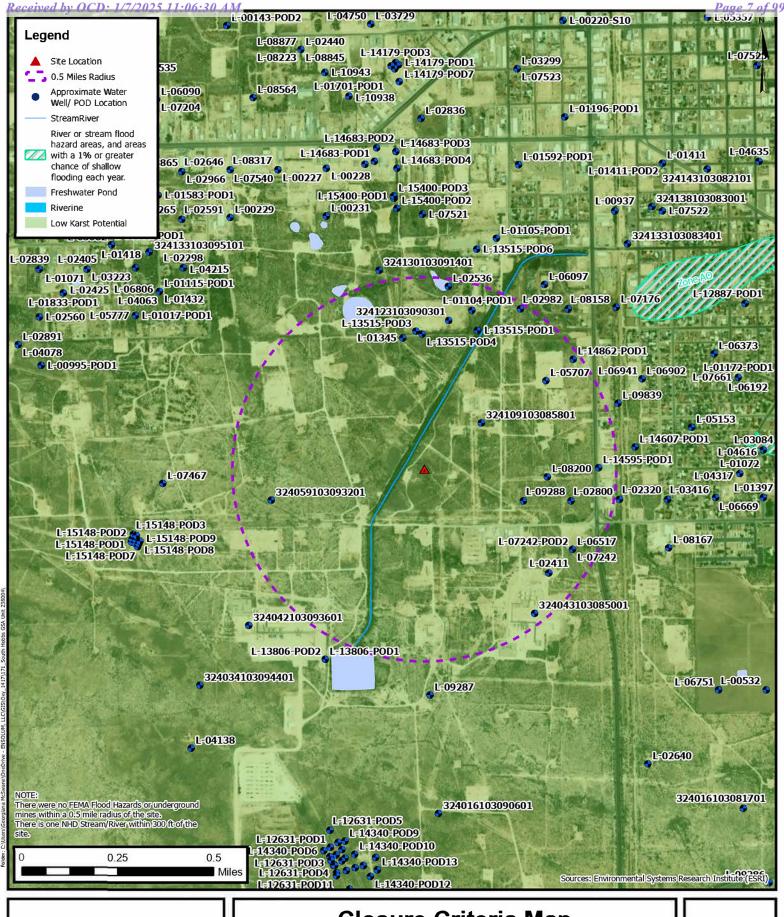
32.6840661° N, 103.152430° W Lea County, New Mexico

## **FIGURE**

1

PROJECT NUMBER: 03B1417171







## Closure Criteria Map

Oxy USA Inc.
South Hobbs GSA Unit 238O04
32.6840661° N, 103.152430° W
Lea County, New Mexico

PROJECT NUMBER: 03B1417171

FIGURE

Released to Imaging: 1/23/2025 8:50:12 AM



**APPENDIX B** 

**Supporting Documentation** 

### **Kelly Lowery**

From: Raina Hanley <RHanley@bcarch.org>
Sent: Thursday, June 20, 2024 10:33 AM

**To:** Kelly Lowery; Beaux Jennings; Wade Burns; Marc Seamands **Subject:** Fw: Remediation ARMS Cover Sheet for Ensolum (BCA24-1723)

### [ \*\*EXTERNAL EMAIL\*\*]

From: Curry, Anne R. <acurry@slo.state.nm.us>

Sent: Thursday, June 20, 2024 9:02 AM

**To:** Raina Hanley <RHanley@bcarch.org>; CRO Info <croinfo@slo.state.nm.us> **Subject:** RE: Remediation ARMS Cover Sheet for Ensolum (BCA24-1723)

### Good morning Raina,

Thank you for the submission of the attached Cover Sheet. Since the proposed remediation activities will take place in an area that has been covered by archaeological survey, Ensolum is free to move forward with remediation. Please reach out if you have additional questions-





**Anne Curry** 

Archaeologist Cultural Resources Office Office: 505.827.1276

Cell: 505.469.5582

New Mexico State Land Office 310 Old Santa Fe Trail

P.O. Box 1148
Santa Fe, NM 87504-1148
acurry@slo.state.nm.us
nmstatelands.org

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From: Raina Hanley <RHanley@bcarch.org> Sent: Thursday, April 25, 2024 5:26 PM To: CRO Info <croinfo@slo.state.nm.us>

Subject: [EXTERNAL] Remediation ARMS Cover Sheet for Ensolum (BCA24-1723)

Good Evening,

Attached please find the following ARMS review Cultural Resources Cover Sheet for Ensolum on behalf Oxy USA:

Oxy's South Hobbs GSA Unit 238O04 Remediation

The associated ARMS review materials have been submitted through the CPP site. Please let us know if you have any questions or need any additional information.

Thank you!

### Raina Hanley

Chief Operating Officer

Beaver Creek Archaeology & Environmental 1632 Capitol Way Bismarck, ND 58501 Ph: (701) 663-5521 | Fx: (701) 663-5589

Beaver Creek Archaeology & Environmental 712 West Quay Avenue Artesia, NM 88210

Ph: (575) 746-6142 | Fx: (701) 663-5589



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## Stephanie Garcia Richard, Commissioner of Public Lands State of New Mexico

### NMSLO Cultural Resources Cover Sheet Exhibit

### **NMCRIS Activity Number:**

**Exhibit Type** (select one)

(if applicable)

**ARMS Inspection/Review** - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

### **Archaeological Survey**

Findings:

Negative - No further archaeological review is required.

**Positive** - Have avoidance and protection measures been devised? Select one:

**Comments:** 

Project	Detail	ls:
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NMSLO Lease Number (if available):

**Cultural Resources Consultant:** 

Project Proponent (Applicant):

Project Title/Description:

### **Project Location:**

County(ies):

PLSS/Section/Township/Range):

### For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



## United States Department of the Interior



#### FISH AND WILDLIFE SERVICE

New Mexico Ecological Services Field Office 2105 Osuna Road Ne Albuquerque, NM 87113-1001 Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To: 12/31/2024 17:27:52 UTC

Project Code: 2025-0036903

Project Name: South Hobbs GSA Unit 238O04

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

### To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <a href="https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf">https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf</a>.

### **Candidate Species and Other Sensitive Species**

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program: <a href="https://www.emnrd.nm.gov/sfd/rare-plants/">https://www.emnrd.nm.gov/sfd/rare-plants/</a>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: <a href="nhnm.unm.edu">nhnm.unm.edu</a>

Project code: 2025-0036903

12/31/2024 17:27:52 UTC

### WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, <a href="https://www.fws.gov/wetlands/Data/Mapper.html">www.fws.gov/wetlands/Data/Mapper.html</a>, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

### **MIGRATORY BIRDS**

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <a href="https://www.fws.gov/program/migratory-bird-permit/what-we-do">https://www.fws.gov/program/migratory-bird-permit/what-we-do</a>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <a href="https://www.fws.gov/library/collections/threats-birds">https://www.fws.gov/library/collections/threats-birds</a>. We also recommend review of the Birds of Conservation Concern list (<a href="https://www.fws.gov/media/birds-conservation-concern-2021">https://www.fws.gov/media/birds-conservation-concern-2021</a>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <a href="https://www.fws.gov/partner/council-conservation-migratory-birds">https://www.fws.gov/partner/council-conservation-migratory-birds</a> for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at <a href="mailto:nmesfo@fws.gov">nmesfo@fws.gov</a>, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

### Attachment(s):

Official Species List

### OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office 2105 Osuna Road Ne Albuquerque, NM 87113-1001 (505) 346-2525

### **PROJECT SUMMARY**

Project Code: 2025-0036903

Project Name: South Hobbs GSA Unit 238O04

Project Type: Surface Reclamation - Non Energy Materials

Project Description: An excavation for a spill at the South Hobbs GSA Unit 238O04 facility.

Excavation is ongoing

### **Project Location:**

The approximate location of the project can be viewed in Google Maps: <a href="https://www.google.com/maps/@32.684116,-103.15257258674677,14z">https://www.google.com/maps/@32.684116,-103.15257258674677,14z</a>



Counties: Lea County, New Mexico

### **ENDANGERED SPECIES ACT SPECIES**

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

**BIRDS** 

NAME STATUS

Lesser Prairie-chicken *Tympanuchus pallidicinctus* 

Endangered

Population: Southern DPS

No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1924">https://ecos.fws.gov/ecp/species/1924</a>

Northern Aplomado Falcon Falco femoralis septentrionalis

Population: U.S.A (AZ, NM)
No critical habitat has been designated for this species.
Species profile: <a href="https://ecos.fws.gov/ecp/species/1923">https://ecos.fws.gov/ecp/species/1923</a>

Population, Non-Essential

Experimental

**INSECTS** 

NAME STATUS

Monarch Butterfly *Danaus plexippus* 

Proposed

There is **proposed** critical habitat for this species. Your location does not overlap the critical

Threatened

habitat.

Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>

### **CRITICAL HABITATS**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

### **IPAC USER CONTACT INFORMATION**

Agency: Private Entity
Name: Trevor Hartwig

Address: 11049 West 44th Avenue

City: Wheat Ridge

State: CO Zip: 80033

Email thartwig@ensolum.com

Phone: 3038172989

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#### **PROJECT INFORMATION**

Project Title: South Hobbs GSA Unit 238O04

Project Type: (NO PROJECT REVIEW) SPECIES LIST ONLY

Latitude/Longitude (DMS): 32.684052 / -103.152587

County(s): LEA

**Project Description:** This project is to explore potential impacts from the excavation of spill at the South

Hobbs GSA Unit 238O04 facility in Hobbs, New Mexico. The current excavation is on

going and there is no date yet when it will be completed

#### REQUESTOR INFORMATION

**Project Organization:** 

Contact Name: Trevor Hartwig

Email Address: thartwig@ensolum.com

Organization: Ensolum, LLC

Address: 11049 West 44th Avenue, Wheat Ridge CO 80033

**Phone:** 3038172989

#### **OVERALL STATUS**

The information contained within this report comprises the recommendations of the New Mexico Department of Game and Fish (Department) for management and mitigation of proposed project impacts to wildlife and habitat resources; see the Project Recommendations section below for further details. No further consultation with the Department is required based on the project's location and, with implementation of mitigation measures described in the Project Recommendations section below, no adverse effects to wildlife or important habitats are anticipated. However, a Department biologist may be in touch within 30 days if they determine that further review is required.

Page 1 of 6 12/31/2024 12:39:13 PM

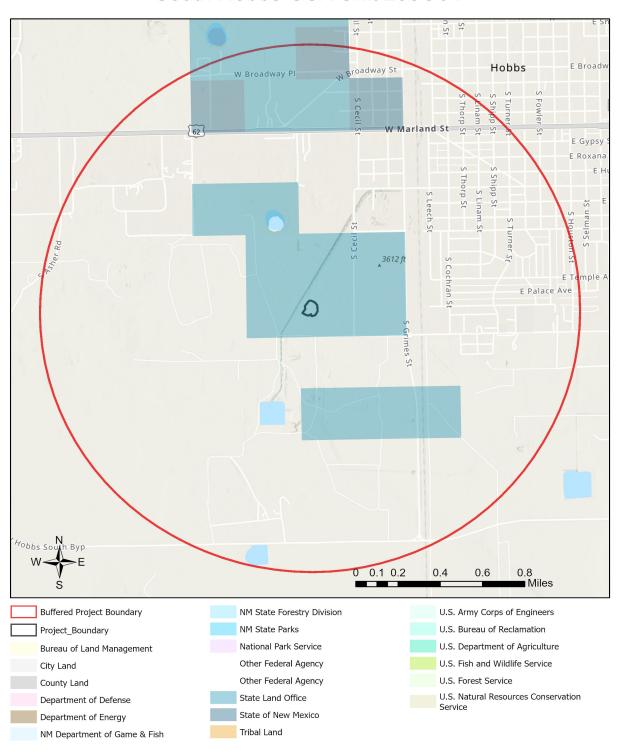
New Mexico Department of Game and Page 21 of 99
Project ID: NMERT-4099

### **About this report:**

- This environmental review is based on the project description and location that was entered. The report must be updated if the project type, area, or operational components are modified.
- This is a preliminary environmental screening assessment and report. It is not a substitute for the potential wildlife knowledge gained by having a biologist conduct a field survey of the project area. Federal status and plant data are provided as a courtesy to users. The review is also not intended to replace consultation required under the federal Endangered Species Act (ESA), including impact analyses for federal resources from the U.S. Fish and Wildlife Service (USFWS) using their Information for Planning and Consultation tool.
- This report contains information on wildlife species protected under the ESA and the <u>Wildlife Conservation Act (WCA)</u>, <u>Species of Greatest Conservation Need (SGCN)</u>, and Species of Economic and Recreational Importance (SERI). Species listed under the ESA are protected from take at the federal level and under the WCA are protected from take at the state level. SGCN are identified in the <u>State Wildlife Action Plan (SWAP) for New Mexico</u>; all of these species are considered to be of conservation concern but not all of them are protected from take at the state or federal level. The harvest of all SERI is regulated at the state level. The Department has no authority to designate critical habitat for species listed under the WCA; only the USFWS can designate critical habitat for species listed under the ESA.
- The New Mexico Environmental Review Tool (ERT) utilizes species observation locations and species habitat suitability models, both of which are subject to ongoing change and refinement. Inclusion or omission of a species within a report cannot guarantee species presence or absence within your project area. To determine occurrence of any species listed in this report, or other wildlife that may be present within your project area, onsite surveys conducted by a qualified biologist during appropriate, species-specific survey timelines may be necessary.
- The Department encourages use of the ERT to modify proposed projects for avoidance, minimization, or mitigation of wildlife impacts. However, the ERT is not intended to be used in a repeatedly iterative fashion to adjust project attributes until a previously determined recommendation is generated. The ERT serves to assess impacts once project details are developed. The <a href="New Mexico Crucial Habitat Assessment Tool">New Mexico Crucial Habitat Assessment Tool</a>, the data layers from which are included in the ERT, is the appropriate system for advising early-stage project planning and design to avoid areas of anticipated wildlife concerns and associated regulatory requirements.

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### South Hobbs GSA Unit 238O04



NHNM, USGS, USFS, US Census Bureau, NMDGF
Esri, NASA, NGA, USGS, FEMA
Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

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### Special Status Animal Species Potentially within 2000 Meters of Project Area

Common Name	Scientific Name	USFWS (ESA)	NMDGF (WCA)	NMDGF SGCN/SERI	USFS	USFS SCC	BLM
Plains Leopard Frog	Lithobates blairi			SGCN			BLM WATCH
Eared Grebe	Podiceps nigricollis			SGCN			
Clark's Grebe	Aechmophorus clarkii			SGCN			
American Bittern	Botaurus lentiginosus			SGCN			BLM WATCH
Peregrine Falcon	Falco peregrinus		Т	SGCN			BLM WATCH
Yellow-Billed Cuckoo	Coccyzus americanus	LT		SGCN			
Elf Owl	Micrathene whitneyi			SGCN			BLM WATCH
Western Burrowing Owl	Athene cunicularia hypugaea			SGCN	Sensitive Species	USFS R3 SCC	BLM SENSITIVE
Common Nighthawk	Chordeiles minor			SGCN			
Mountain Bluebird	Sialia currucoides			SGCN			
Loggerhead Shrike	Lanius Iudovicianus			SGCN		USFS R3 SCC	BLM WATCH
Vesper Sparrow	Pooecetes gramineus			SGCN			
Thick-billed Longspur	Rhynchophanes mccownii			SGCN			BLM SENSITIVE
Chestnut-Collared Longspur	<u>Calcarius ornatus</u>			SGCN			BLM SENSITIVE
Black-Tailed Prairie Dog	Cynomys Iudovicianus			SGCN	Sensitive Species		BLM SENSITIVE
<u>Pronghorn</u>	Antilocapra americana			SGCN			
Desert Massasauga	Sistrurus catenatus edwardsii			SGCN			

Common Name hyperlink takes you to species account in bison-m.org; Scientific Name hyperlink takes you to information in NatureServe Explorer; ESA = Endangered Species Act, C = Candidate, LE = Listed Endangered, LT = Listed Threatened, XN = Non-essential Experimental Population, for other ESA codes see this website; WCA = Wildlife Conservation Act, E = Endangered, T = Threatened; SERI = Species of Economic and Recreational Importance; SGCN = Species of Greatest Conservation Need; USFS = U.S. Forest Service, Sensitive Species = A species likely to occur on USFS lands that is of concern for a potential reduction in population viability; SCC = Species of Conservation Concern; BLM = Bureau of Land Management, BLM SENSITIVE = A species that occurs on BLM lands and whose viability is at risk, BLM WATCH = Species that may be added to the sensitive species list in future pending new information regarding species status.

### **Project Recommendations**

This report includes a preliminary species list that may be used during early stages of project or conservation planning. Even if this report indicates that your proposed project location would require a custom review from a biologist, **no review will be returned** until additional project details are provided. **To obtain a project review**, please submit additional details regarding the **type** of project, project **objectives**, anticipated project **duration**, **timing** of project construction, the composition and dimensions/quantities of **materials** that will be utilized for project implementation, any **equipment** that will be used, anticipated **ground disturbance** that will occur, wildlife surveys or observations that have occurred on or near the project site, and **any other relevant details** regarding potential effects of project activities on wildlife or wildlife habitat. **Photographs** of the project site are especially useful.

Although this project report may include management recommendations based on the project location, additional conservation measures may be needed. The Department can not fully assess potential effects and associated management recommendations until a **project type and description** have been submitted and an appropriate **impact buffer** for that project type has been applied. Also, the species list within this report represents an estimation of special status species that could be present at the site of a small-scale project. Species lists for projects that occur across **broader geographic scales** (e.g., one or more counties, multiple habitat types) are more appropriately obtained from the **Department's Biota Information System of New Mexico (BISON-M) database**. Species lists generated by the ERT may contain modeled species distributions in order to predict species occurrences within areas that lack previous wildlife inventories or surveys. This list can be refined using occurrence-based information within BISON-M regarding wildlife-habitat relationships and biological needs for species that might be present within the project footprint.

The Lesser Prairie-chicken (*Tympanuchus pallidicintus*) (LPC) was designated as a SGCN in New Mexico and the southern Distinct Population Segment, including populations in New Mexico and Texas, is federally listed as Endangered. The LPC Interstate Working Group has developed the Southern Great Plains Crucial Habitat Assessment Tool (<u>SGP-CHAT</u>) to designate and prioritize areas for LPC conservation activities and development. Our preliminary assessment indicates your project occurs in LPC habitat. For more information on the SGP-CHAT, contact Chanda Pettie, Industry LPC Program Contact with the Western Association of Fish and Wildlife Agencies, at (719) 207-5053 or chanda.pettie@wafwa.org.

If your project has potential to lead to take (including harassment, harm, pursuit, hunting, shooting, wounding, killing, trapping, capturing, collecting, or attempting to engage in these activities) of a LPC and you entered into the Candidate Conservation Agreement (CCA) or CCA with Assurances (CCAA) for the LPC with CEHMM, the Department recommends you contact CEHMM (575-885-3700). If your project may lead to take of a LPC and you did not enter the CCA/A with CEHMM, the Department recommends you contact Lauren Rangel, at 505-761-4745 or lauren rangel@fws.gov, who is the species lead for the LPC in the Ecological Services Office with USFWS. She is also the contact for the rangewide renewable energy Habitat Conservation Plan (HCP) if relevant for your project. The Department recommends a qualified, permitted biologist conduct surveys for the LPC according to these Lesser Prairiechicken Survey Protocols (or others recommended by USFWS) and following any training as required by USFWS.

Burrowing owl (*Athene cunicularia*) may occur within your project area. Burrowing owls are protected from take by the Migratory Bird Treaty Act and under New Mexico state statute. Before any ground disturbing activities occur, the Department recommends that a preliminary burrowing owl survey be conducted by a qualified biologist using the Department's <u>Burrowing Owl Survey Protocol</u>. Should burrowing owls be documented in the project area, please contact the Department or USFWS for further recommendations regarding relocation or avoidance of impacts.

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Prairie dog colonies may occur within the vicinity of your project area. Both black-tailed prairie dogs (*Cynomys ludovicianus*) and Gunnison's prairie dogs (*Cynomys gunnisoni*) are designated as New Mexico SGCN, and their colonies provide important habitat for other grassland wildlife. Wherever possible, occupied prairie dog colonies should be left undisturbed, and all project activities should be directed off the colony. Any burrows that are located on the project site should be surveyed by a qualified biologist to determine whether burrows are active or inactive and whether burrowing owls may be utilizing the site. Colonies within the range of the black-tailed prairie dog can be surveyed by a qualified biologist diurnally, year-round using binoculars. Colonies within the range of the Gunnison's prairie dog can be surveyed by a qualified biologist diurnally, using binoculars during the warmer months from April through October and by searching for fairly fresh scat and lack of cobwebs or debris at the mouths of burrows during the cold months (November through March). If ground-disturbing activities cannot be relocated off the prairie dog colony, or if project activities involve control of prairie dogs, the Department recommends live-trapping and relocation of prairie dogs. The Department can provide recommendations regarding suitability of potential translocation areas and procedures.

### Disclaimers regarding recommendations:

- The Department provides technical guidance to support the persistence of all protected species of native fish and wildlife, including game and nongame wildlife species. Species listed within this report include those that have been documented to occur within the project area, and others that may not have been documented but are projected to occur within the project vicinity.
- Recommendations are provided by the Department under the authority of § 17-1-5.1 New Mexico Statutes
  Annotated 1978, to provide "communication and consultation with federal and other state agencies, local
  governments and communities, private organizations and affected interests responsible for habitat, wilderness,
  recreation, water quality and environmental protection to ensure comprehensive conservation services for
  hunters, anglers and nonconsumptive wildlife users".
- The Department has no authority for management of plants or Important Plant Areas. The New Mexico
   <u>Endangered Plant Program</u>, under the Energy, Minerals, and Natural Resources Department's Forestry
   Division, identifies and develops conservation measures necessary to ensure the survival of plant species
   within New Mexico. Plant status information is provided within this report as a courtesy to users.
   Recommendations provided within the ERT may not be sufficient to preclude impacts to rare or sensitive plants,
   unless conservation measures are identified in coordination with the Endangered Plant Program.
- Additional coordination and/or consultation may also be necessary under the federal ESA or National Environmental Policy Act (NEPA). Further site-specific mitigation recommendations may be proposed during ESA consultation and/or NEPA analyses or through coordination with affected federal agencies.

Page 6 of 6 12/31/2024 12:39:13 PM



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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	3'	14'	11'	TAN FINE CEMENT SANDSTONE- SAND	CYGN	N/A
	14'	16'	2'	LIGHT TAN VERY FINE SAND SILICEOUS SANDSTONE	CYGN	N/A
	16'	22'	6'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYGN	N/A
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POD NUMBER

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PAGE 2 OF 2

Released to Imaging: 1/23/2025 8:50:12 AM

FILE NUMBER

LOCATION

Scott A. Verhines, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

# STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

540797

File Nbr:

L 13515

Well File Nbr: L 13515 POD1

Jul. 22, 2014

MICHAEL JENNINGS
CB&I ENVIRONMENTAL & INFR INC
9201 EAST DRY CREEK ROAD
CENTENNIAL, CO 80112

#### Greetings:

The above numbered permit was issued in your name on 02/10/2014.

The Well Record was received in this office on 03/10/2014, stating that it had been completed on 03/03/2014, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/28/2015.

If you have any questions, please feel free to contact us.

Sincerely,

Yolanda Mendiola (575)622-6521

drywell





# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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PAGE 2 OF 2

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	15'	31'	16'	TAN VERY FINE SA	AND - CEMENT SA	NDSTONE		CYGN	N/A
	31'	35'	4'	TAN SILTY SAND		A-60 Turk - 50		CYGN	N/A
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LOCATION

Scott A. Verhines, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

# STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

540797

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Jul. 22, 2014

MICHAEL JENNINGS
CB&I ENVIRONMENTAL & INFR INC
9201 EAST DRY CREEK ROAD
CENTENNIAL, CO 80112

### Greetings:

The above numbered permit was issued in your name on 02/10/2014.

The Well Record was received in this office on 03/10/2014, stating that it had been completed on 03/03/2014, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

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If you have any questions, please feel free to contact us.

Sincerely.

Yolanda Mendiola (575)622-6521

drywell



# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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	1	•	LL NUMBER)			OSE FILE NU	MBER(S)		
ΙŠ	1	CB&I SB-3				L-13515			
T.	1	ER NAME(S)				PHONE (OPTI	ONAL)		22 32343
Q	CB&I EN	VIRONME	NTAL & INFRASTI	RUCTURE, INC					
1	(a)	ER MAILING				CITY		STATE	ZIP
GENERAL AND WELL LOCATION	9201 E D	RY CREE	K ROAD			CENTENN	IAL	CO 8011	2
é	WELL		DEGREES	S MINUTES SECON	DS .	<del>                                     </del>			
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₹	(FROM G		10000000	09 10	· w	DATUM RE	QUIRED: WGS 84		
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=	LICENSEN	UMBER	T NAME OF LICENSED	DRILLES			NAME OF WELL DR	TING COMPANY	
	WD-1711		EDWARD BRYA				STRAUB CORPO		
ļ.	DRILLINGS	erionen I	DRILLING ENGED	DEPTH OF COMPLETED WELL (FT)	DOGE HOL	LE DÉPTH (FT)		ST ENCOUNTERED (FT	
	3-3-14			50'	20, 20,	LE DEPTH (F1)	NA	S I ENCOUNTERCED (FT	)
l			}	<u> </u>	1 30				
	COMPLETE	D WELL IS:	CARTESIAN	DRY HOLE C SHALLOW (UNC	ONEINED		43'	EC IN COMPLETED WI	ELL (FI)
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F	DRILLING	LUID:	( AIR	MUD ADDITIVES - SP	ECIFY:				
M.	DRILLING A	METHOD:	ROTARY	CABLE TOOL	OTHE	R - SPECIFY:			
[ E	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR	T		CASING		
0	FROM	10	DIAM	GRADE		ASING NECTION	INSIDE DIAM.	CASING WALL THICKNESS	SLOT
Ž			(inches)	(include each casing string, and note sections of screen)		YPE	(inches)	(inches)	(inches)
DRILLING & CASING INFORMATION	0	50'	5"	N/A	N/A		N/A	N/A	N/A
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ΙŽ	FROM	TO	DIAM. (inches)	GRAVEL PACK SIZE-RANG			(cubic feet)	PLACEN	MENT
ER	0	50'	5*	6 BAGS OF CEMENT, BENTON	ITE, GROU	<u>יייייי</u>		TREMIE	
<b>₹</b>									
8			1						
3				T *** **	3704				
ANNULAR MATERIAL			1				-		
3. A	restt som		·		100/00/20				
1		-	1				V		
							L		
_	OSE INTER	NAL USE	10 616					& LOG (Version 06/0	8/2012)
	NUMBER	<u> </u>	<u> 13515                                  </u>	POD NUMBER	3	TRN N	NUMBER 54	10797	
roc	ATION	195	38E 4.	2.3.4		••		PAGE	1 OF 2

	DEPTH (	(feet hgl)	1		-	ESTIMATED
	FROM	то	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES  (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
î j	0	5'	5'	TAN FINE SAND - CALICHE - SANDSTONE	CYGN	N/A
	5'	14'	9'	TAN SAND - CEMENT SANDSTONE	CYGN	N/A
	14'	15'	1'	TAN SILICEOUS SANDSTONE - TAN VERY FINE SAND	CY CN	N/A
	15'	36'	21'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYGN	N/A
	36'	39'	3'	TAN SILICEOUS SANDSTONE - TAN SILTY SAND	CYEN	N/A
ب	39'	50'	11'	TAN VERY FINE SAND CEMENT SANDSTONE	GY CN	N/A
4. HYDROGEOLOGIC LOG OF WELL	TD	50'			GY CN	
OF					CACN	
90					CYGN	
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io	168				CYCN	
GEO					$C_A C_N$	
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					CYCN	
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		J		<u> </u>	CYCN	
2	METHOD I	_	STIMATE YIELD BAILER (		OTAL ESTIMATED WELL YIELD (gpm):	- 11
	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCL ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER		
RVISION	MISCELLA	NEOUS IN	FORMATION:			
s. Test; rig superv	SOIL BOF LEA CO, I		Y-SOIL BORING	WAS PLUGGED AND ABANDONED UPON COMPLETION OF	SAMPLING.	
S. TESI	PRINT NA	ME(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	RUCTION OTHER TI	HAN LICENSEE:
6. SIGNATURE	CORRECT	RECORD C	F THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL REC 20 DAYS AFTER COMPLETION OF WELL DRILLING:		
IGN	50	.4		Clares Seyar 3	2-7-14	
6, 5	- De-	SIGNAT	ORE OF DRILL	ER / PRINT SIGNEE NAME	DATE	
-	·	3.0147	7-3. Marri			
	OSE INTER	NAL USE	, i		RECORD & LOG (V	ersion 06/08/2012)
-	E NUMBER	<u></u>	1351	POD NUMBER 3 TRN NUMBER	° 54079	I PACE 2 CE 2
LO	CATION	195	<u>5.38E</u> .	4234		PAGE 2 OF 2

Scott A. Verhines, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

# **STATE OF NEW MEXICO**OFFICE OF THE STATE ENGINEER

Trn Mbr:

540797

File Nbr:

L 13515

Well File Mbr: L 13515 POD3

Jul. 22, 2014

MICHAEL JENNINGS
CB&I ENVIRONMENTAL & INFR INC
9201 EAST DRY CREEK ROAD
CENTENNIAL, CO 80112

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drywell



# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD N	UMBER (W	ELL NUMBER)			OSE FILE NU	MBER(S)		
O	(POD4) C	B&I SB-	4			L-13515			
OCATI	CB&I EN		s) ENTAL & INFRASTR	RUCTURE, INC		PHÓNE (OPTI	ONAL)		
GENERAL AND WELL LOCATION	9201 E D	- Carlot States	NG ADDRESS EK ROAD			CENTENN	IAL (	STATE CO 8011	ZIP 2
D.	WELL		DEGREES	MINUTES SECONE	ŝ				
LA	LOCATIO		ATTTUDE 32	41 33	N	• ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND	
ERAI	(FROM GI		ONGITUDE 103	08 57	W	• DATUM RE	QUIRED: WGS 84		
SEN	DESCRIPTIO			T ADDRESS AND COMMON LANDMARKS - PLS	S (SECTION, T	OWNSTUIP, RANK	E) WHERE AVAILABLE		
1	FROM GF	RIMES &	MARLIN GO W TUI	RN L ON CECIL & GO S TO DEAD	END. NE	1/4, SW1/4	, NE1/4, SEC 4. T	WP 19S, RANGE 3	8E
	LICENSE NO WD-1711		NAME OF LICENSED EDWARD BRYAN				STRAUB CORPO		
	DRILLINGS 3-3-14	STARTED	DRILLING ENDED 3-3-14	DEPTH OF COMPLETED WELL (FT) 50'	50'	LE DEPTH (FT)	DEPTH WATER FIRE	ST ENCOUNTERED (FT)	
	COMPLETE	D WELL IS	: C ARTESIAN	DRY HOLE	ONFINED)		STATIC WATER LEV	VEL IN COMPLETED WI	IL (FT)
NOL			€ ATR	MUD ADDITIVES - SPI	ECIEV.				
MAT	DRILLING F			MUD ADDITIVES - SPI	_	ER - SPECIFY	-,		
OR	DRILLING				( OTHE	ER - SPECIFY		1	
DRILLING & CASING INFORMATION	FROM	TO	BOKE HOLL	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CON	ASING NECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS <sup>1</sup> (inches)	SLOT SIZE (inches)
S	0	50'	5"	N/A	N/A		N/A	N/A	N/A
VG &									
13									
DRI									
7								1	
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-	DEPTH	(feet bgl)	DODE HOLE	LIST ANNULAR SEAL M	ATEDIAL A	ND	AMOUNT	METHO	D OF
Į.	FROM	TO	BORE HOLE DIAM. (inches)	GRAVEL PACK SIZE-RANG			(cubic feet)	METHO PLACEN	
ER1/	0	50'	5"	6 BAGS OF CEMENT, BENTON	ITE, GRO	UT		TREMIE	
IAT								-	
RN								I	
ANNULAR MATERIAL									
Z Z									
3.									
	OSE INTER	NAL USI		T			0 WELL RECORD		8/2012)
	NUMBER	<u></u>	13515_	POD NUMBER	4	IKN	NUMBER 50	40797	1 OF 2
LOC	ATION	14	5.32F.L	レ コ・ム・コ				FAGE	1012

	DEPTH	(feet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)		YIELD FOR WATER- BEARING ZONES (gpm)
	0	2'	2'	TAN FINE SAND - CALICHE - CEMENT SANDSTONE	CYGN	N/A
	2'	7'	5'	TAN VERY FINE SAND - CEMENT SANDSTONE	( Y @ N	N/A
	7'	18'	11'	BEIGE SILTY SAND SILT STONE	CYGN	N/A
	18'	19'	1'	TAN SILTY SAND - SILICEOUS SANDSTONE	CYGN	N/A
	19'	34'	15'	BEIGE SILTY SAND - SILT STONE	CYGN	N/A
2	34'	39'	5'	TAN VERY FINE SAND - SILICEOUS SANDSTONE	CYGN	N/A
	39'	50'	11'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYGN	N/A
4	TD	50'			CYCN	
		1			CYCN	
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	METHOD I		ESTIMATE YIELD	O OF WATER-BEARING STRATA: PUMP OTHER - SPECIFY:	CYCN	
		T C	BAILER C	OTHER - SPECIFY:  TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.	TOTAL ESTIMATED WELL YIELD (gpm):	METHOD,
No.	C AIR LIF	ST TEST	BAILER C RESULTS - ATT RT TIME, END TI	OTHER - SPECIFY:	TOTAL ESTIMATED WELL YIELD (gpm):	METHOD, DD.
	C AIR LIF	ST TEST	BAILER C	OTHER - SPECIFY:  TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.	TOTAL ESTIMATED WELL YIELD (gpm):	METHOD, DD.
OF ENVISION	WELL TES	TEST STAR	RESULTS - ATT RT TIME, END TI	OTHER - SPECIFY:  TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	METHOD, DD.
	WELL TES	TEST STAR	RESULTS - ATT RT TIME, END TI	OTHER - SPECIFY:  TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.  ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	METHOD, DD.
	WELL TES	TEST STAR	RESULTS - ATT RT TIME, END TI	OTHER - SPECIFY:  TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.  ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	METHOD, DD.
	WELL TES MISCELLA SOIL BOR LEA CO, I	ST TEST STAF ANEOUS IN RING ONL'	BAILER C RESULTS - ATT RT TIME, END TI	OTHER - SPECIFY:  TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.  ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	DD.
S. FEST, MC SOLEN ISLON	WELL TES MISCELLA SOIL BOR LEA CO, I	ST TEST STAF ANEOUS IN RING ONL'	BAILER C RESULTS - ATT RT TIME, END TI	OTHER – SPECIFY:  CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	DD.
EST, MO SOL EN	WELL TES MISCELLA SOIL BOR LEA CO, I	TEST STAF	BAILER  TRESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING	OTHER - SPECIFY:  CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	OD. HAN LIČENŠEI
S. FEST, MG SOI EN	WELL TES  MISCELLA  SOIL BOR LEA CO, I	ST TEST STAF	BAILER C RESULTS - ATT RT TIME, END TI FORMATION: Y-SOIL BORING ORILL RIG SUPER	OTHER – SPECIFY:  CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	OD.  HAN LICENSEE S A TRUE AND
S. Lest, Mc sor Env	WELL TES  MISCELLA  SOIL BOF LEA CO, I	TEST STAR ANEOUS IN RING ONL' NM  ME(S) OF D  ERSIGNED RECORD O	BAILER C  RESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING  ORILL RIG SUPER HEREBY CERTIF OF THE ABOVE I	OTHER – SPECIFY:  CACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS  FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	DD. HAN LICENSEE S A TRUE AND
S. Lest, Mc sor Env	WELL TES  MISCELLA  SOIL BOF LEA CO, I	TEST STAR ANEOUS IN RING ONL' NM  ME(S) OF D  ERSIGNED RECORD O	BAILER C  RESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING  ORILL RIG SUPER HEREBY CERTIF OF THE ABOVE I	OTHER – SPECIFY:  PACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS  FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIF DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RI  20 DAYS AFTER COMPLETION OF WELL DRILLING:	TOTAL ESTIMATED WELL YIELD (gpm):  CLUDING DISCHARGE ER THE TESTING PERIO	DD. HAN LICENSEE S A TRUE AND
S. Lest, Mc sor Env	WELL TES  MISCELLA  SOIL BOF LEA CO, I	TEST STAR ANEOUS IN RING ONL' NM  ME(S) OF D  ERSIGNED RECORD O	BAILER C  RESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING  ORILL RIG SUPER HEREBY CERTIF OF THE ABOVE I	OTHER – SPECIFY:  PACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS  FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIF DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RI  20 DAYS AFTER COMPLETION OF WELL DRILLING:	TOTAL ESTIMATED WELL YIELD (gpm): CLUDING DISCHARGE ER THE TESTING PERIO	DD. HAN LICENSEE S A TRUE AND
S. FEST, MG SOI EN	WELL TES  MISCELLA  SOIL BOF LEA CO, I	TEST STAR ANEOUS IN RING ONL' NM  ME(S) OF D  ERSIGNED RECORD O	BAILER  TRESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING  ORILL RIG SUPER  HEREBY CERTIF OF THE ABOVE I OLDER WITHIN 2	OTHER – SPECIFY:  PACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS  FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELLIA DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RI 20 DAYS AFTER COMPLETION OF WELL DRILLING:	TOTAL ESTIMATED WELL YIELD (gpm):  CLUDING DISCHARGE ER THE TESTING PERIO	DD. HAN LICENSEE S A TRUE AND
d. Stored One	MISCELLA SOIL BOF LEA CO, I	TEST STAF  ANEOUS IN RING ONL NM  ME(S) OF D  ERSIGNED PERMIT HO SIGNA	BAILER  TRESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING  ORILL RIG SUPER  HEREBY CERTIF OF THE ABOVE I OLDER WITHIN 2	OTHER - SPECIFY:  PACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS  FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELLE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RI 20 DAYS AFTER COMPLETION OF WELL DRILLING:	TOTAL ESTIMATED WELL YIELD (gpm):  CLUDING DISCHARGE ER THE TESTING PERIO  F SAMPLING.  STRUCTION OTHER THE EF, THE FOREGOING IS ECORD WITH THE STA	DD. HAN LICENSEE S A TRUE AND TE ENGINEER
FOR THE STATE OF T	WELL TES  MISCELLA  SOIL BOF LEA CO, I	TEST STAF  ANEOUS IN RING ONL NM  ME(S) OF D  ERSIGNED PERMIT HO SIGNA	BAILER  TRESULTS - ATT RT TIME, END TI  FORMATION: Y-SOIL BORING  ORILL RIG SUPER  HEREBY CERTIF OF THE ABOVE I OLDER WITHIN 2	OTHER - SPECIFY:  PACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE  WAS PLUGGED AND ABANDONED UPON COMPLETION OF  RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS  FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELLE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RI 20 DAYS AFTER COMPLETION OF WELL DRILLING:	TOTAL ESTIMATED WELL YIELD (gpm):  CLUDING DISCHARGE ER THE TESTING PERIO  F SAMPLING.  STRUCTION OTHER THE ECORD WITH THE STA	HAN LICENSEE S A TRUE AND TE ENGINEER

Scott A. Verhines, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

### STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

540797

File Nbr: L 13515

Well File Nbr: L 13515 POD4

Jul. 15, 2014

MICHAEL JENNINGS CB&I ENVIRONMENTAL & INFR. INC 9201 EAST DRY CREEK ROAD CENTENNIAL, CO 80112

### Greetings:

The above numbered permit was issued in your name on 02/10/2014.

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Sincerely,

Yolanda Mendiola (575) 622 - 6521

The Las 1.

Released to Imaging: 1/23/2025 8:50:12 AM



		JMBER (WELL	L NUMBER)			OSE FILE NU	MBER(S)			
ĕ	(POD5) CB&I SB-5						L-13515			
\X	WELL OWNER NAME(S)  CB&I ENVIRONMENTAL & INFRASTRUCTURE, INC					PHONE (OPTI	onal)			
3	E.			RUCTURE, INC						
GENERAL AND WELL LOCATION		ER MAILING RY CREEK				CENTENNI	AL (	STATE O 8011	ZIP 2	
3										
Į	MET	1	DEGREES 32	MINUTES SECOND 41 33		. ACCUBACY	REQUIRED: ONE TENT	THOS A SECOND		
\ F	LOCATIO	)	TUDE	<del></del>	N N	1	QUIRED: WGS 84	H OF A SECOND		
A S		LONG	GITUDE 103	08 59	w	1				
2	DESCRIPTIO	N RELATING W	ELL LOCATION TO STREE	TADDRESS AND COMMON LANDMARKS - PLS	S (SECTION, T	OWNSHIIP, RANG	SE) WHERE AVAILABLE			
≟	FROM GF	RIMES & M	ARLIN GO W TU	RN L ON CECIL & GO 5 TO DEAD	DEND. NE	1/4, SW1/4	, NE1/4, SEC 4. TV	VP 19S, RANGE 3	8E	
	LICENSE N	500100-0000	NAME OF LICENSED				NAME OF WELL DRI			
	WD-1711		EDWARD BRYAI	N			STRAUB CORPO	RATION		
	DRILLINGS 3-4-14		DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HO!	LE DEPTH (FT)	DEPTH WATER FIRS	T ENCOUNTERED (FT)		
	3 7 . 7		4-14	<del></del>						
_	COMPLETE	WELL IS:	ARTESIAN	TRY HOLE SHALLOW (UNC	ONFINED)		N/A	el, in completed we	3T (E1)	
DRILLING & CASING INFORMATION	DRILLING F		● AIR	MUD ADDITIVES - SPE						
¥	·									
O.S.	DRILLING		ROTARY	C HAMMER C CABLE TOOL	COTHE	R - SPECIFY:				
Ž	DEPTH (feet bgl) BORE HOLE		BORE HOLE	CASING MATERIAL AND/OR C		ASING			SLOT	
S <sub>C</sub>	FROM	TO	DIAM	(include each casing string, and		NECTION YPE	INSIDE DIAM.		(inches) SIZE	
SY:			(inches)	note sections of screen)		176	(inches)	1 <sub>m</sub>	(inches)	
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ادا	DEPTH		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MA GRAVEL PACK SIZE-RANG		AMOUNT	METHO			
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12	0	60'	5"	6 BAGS OF CEMENT, BENTON	2 2007	JI	1	TREMIE		
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3. ANNULAR MATERIAL										
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	OSE INTER	NAL USE	· o c · d	PODARDOS			WELL RECORD &	LOG (Version 06/0	8/2012)	
	ATION	195.	13515 38E.4	POD NUMBER	_5	~1	NUMBER 54	0747	1050	
	A LIVIN		~ XL- 11	_1 ^. 1				PAGE	1 Ut 2	

PAGE 2 OF 2

đć.	DEPTH (	feet hel)	Γ			ESTIMATED				
		1	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER BEARING?	YIELD FOR				
	FROM	TO	(feet)	INCLUDE WATER-BEARING CA VITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	(YES / NO)	WATER- BEARING ZONES (gpm)				
	0	2'	2'	CALICHE - TAN FINE SAND - CEMENT SANDSTONE	CYGN	N/A				
	2'	35'	33'	TAN VERY FINE SAND CEMENT SANDSTONE	C.Y @ N	N/A				
	35	40'	5'	TAN SILICEOUS SANDSTONE (VERY DENSE)	CY 6 N	N/A				
	40'	60'	20'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYEN	N/A				
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	METHOD	JSED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA: PUMP	TOTAL ESTIMATED					
	C AIR LIF	т С	BAILER (	OTHER - SPECIFY:	WELL YIELD (gpm):					
z	WELL TEST  TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.									
RVISION	MISCELLA	NEOUS IN	FORMATION:							
TEST; RIG SUPER	SOIL BORING ONLY-SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING. LEA CO, NM									
S. TEST	PRINT NAI	ME(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER T	HAN LICENSEE:				
	THEIMP	DEIGNED	LIEDEDV CEDTU	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE	E THE ECDECORIO	C A TRUE AND				
6. SIGNATURE	CORRECT	RECORD O	F THE ABOVE I	DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE 20 DAYS AFTER COMPLETION OF WELL DRILLING:						
CNA		<b>7</b> :		S. A. S.	7.7.10					
6. SI	1_26	12V		Elyspe Flyen 3	- / - / 7					
		SIGN	URE OF DRILL	ER / PRINT SIGNEE NAME	DATE					
FOI	R OSE INTER	NAL USE	<del></del>	WR-20 WEL	L RECORD & LOG (V	ersion 06/08/2012)				
	E NUMBER		2516	POD NUMBER C TRN NUMBI						

LOCATION

Scott A. Verhines, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

### STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

540797

File Mbr:

L 13515 Well File Mbr: L 13515 POD5

Jul. 15, 2014

MICHAEL JENNINGS CB&I ENVIRONMENTAL & INFR. INC 9201 EAST DRY CREEK ROAD CENTENNIAL, CO 80112

Greetings:

The above numbered permit was issued in your name on 02/10/2014.

The Well Record was received in this office on 03/10/2014, stating that it had been completed on 03/04/2014, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/28/2015.

If you have any questions, please feel free to contact us.

Sincerely,

Yolanda Mendiola (575) 622-6521

drywell



# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	T OSE BOD NO	DOED OVE	III MAMERI			17.00	OSE FILE NU	MBER/S)			
z	OSE POD NUMBER (WELL NUMBER) (POD6) CB&I SB-6						L-13515				
유	WELL OWNER NAME(S)						PHONE (OPTIONAL)				
OCA.	17277414		NTAL & INFRASTI	RUCTURE, INC				•			
GENERAL AND WELL LOCATION	9201 E D	EK MAILING RY CREE!	-	-			CENTENN	IAL	STATE CO 8011	ZIP 2	
Į	WELL		DEGREE	S MINUTES	SECOND	3				41-2	
\ \frac{2}{3}	LOCATIO		TITUDE 32	41	33	N	• ACCURACY	Y REQUIRED: ONE TEN	TH OF A SECOND		
ERAI	(FROM G	- Un	NGITUDE 103	09	00	w	• DATUM RE	QUIRED: WGS 84			
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	1	(B. corn	T NAME OF LICENSED	KAN I FK					WI KIN AN M (18)	-	
	WD-171		EDWARD BRYAN				<u>\$</u> (	STRAUB CORPO			
	DRILLINGS	YARTED T	DRILLING ENDED	DEPTH OF COMPLETED W	ELL (FT)	BORE HOL	E DEPTH (FT)	DEPTH WATER FIRE	ST ENCOUNTERED (FT	)	
	3-4-14		3-4-14	50'	,	50'		NA		•	
	CONTRACTOR	D WELL IS:	ARTESIAN	ORYHOLE ( SE		)	220,000		VEL IN COMPLETED W	LL (FT)	
NO	COMPLETE	D WELL IS:	ARIESIAN	DRY HOLE / SF	IALLOW (UNC	ONFINED)		N/A			
Į¥.	DRILLING	LUID:	( AIR	C MUD AI	DDITTVES - SPE	CIFY:	11.				
SE SE	DRILLING	METHOD:	© ROTARY	C HAMMER C CA	ABLE TOOL	OTHE	R - SPECIFY:				
Š	DEPTH (feet bgl) BORE HOLE		BORE HOLE	(include each casing string and		CA	SING	CASING	CASING WALL	SLOT	
CASING INFORMATION	FROM TO		DIAM (inches)			CONNECTION TYPE		INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)	
	0	50'	5"	N/A		N/A		N/A	N/A	N/A	
DRILLING &	d				253652						
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	DEPTH	(feet bgl)	BORE HOLE	LIST ANNUE	AD SEAL MA	TCDIAL A	ND.	ALCOUNT	1 30	<u> </u>	
7	FROM	то	DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERV			1		METHÓ PLACEN	1ENT	
ANNULAR MATERIAL	0	50'	5"	6 BAGS OF CEMEN	T, BENTON	ITE, GROU	JT.		TREMIE		
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FILE	NUMBER	L 1	3515	PO	D NUMBER	6		NUMBER 540	797		
LOC	ATION	195	.38E.4.E	332			ika:		PAGE	i OF 2	

	DEPTH (feet bgl) THICKNESS FROM TO (feet)			COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE		ESTIMATED YIELD FOR WATER-		
V				(attach supplemental sheets to fully describe all units)	(YES/NO)	BEARING ZONES (gpm)		
	0	2'	2'	CALICHE - TAN FINE SAND - CEMENT SANDSTONE	CYGN	N/A		
	2'	19'	17'	TAN FINE SAND CEMENT SANDSTONE	CYGN	N/A		
	19'	21'	2'	TAN SILICEOUS SANDSTONE (VERY DENSE)	CYGN	N/A		
	21'	34'	13'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYGN	N/A		
3	34'	44'	10'	TAN SILICEOUS SANDSTONE (VERY DENSE)	C Y 6 N	N/A		
4	44'	50'	6'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYGN	N/A		
HYDROGEOLOGIC LOG OF WELL	TD	50'			CYCN			
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	METHOD I	JSED TO E	STIMATE YIELD	OF WATER-BEARING STRATA: PUMP	TOTAL ESTIMATED			
	C AIR LIF	тС	BAILER C	OTHER - SPECIFY:	WELL YIELD (gpm):			
* 5	=							
VISION	WELL TEST  TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.							
SI	MISCELLA	NEOUS IN	FORMATION:		·			
SOIL BORING ONLY-SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING.  LEA CO, NM  PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAT								
s. Test	PRINT NA	ME(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUCTION OTHER T	HAN LICENSEE:		
					200			
SIGNATURE	CORRECT	RECORD (	OF THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL I 20 DAYS AFTER COMPLETION OF WELL DRILLING:	IEF, THE FOREGOING I RECORD WITH THE STA	S A TRUE AND ATE ENGINEER		
6. SIGN	-50	24 81334	Spe-	Elward Brught ER / PRINT SIGNEE NAME	1-7-14 DATE	<del>- 100</del>		
		210NA	JONE OF BRITTI	EK / FRINT SIUNEBINANC	DATE			
FO	R OSE INTER	RNAL USE	120750		ELL RECORD & LOG (V	ersion 06/08/2012)		
	E NUMBER	احا	13515	POD NUMBER ( TRN NUM	BER 5407	97		
10	CATION	000	2951	1 2 2		PAGE 2 OF 2		

Scott A. Verhines, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

# STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: File Nbr: 540797

TITE NOT.

L 13515

Well File Nbr: L 13515 POD6

Jul. 22, 2014

MICHAEL JENNINGS
CB&I ENVIRONMENTAL & INFR INC
9201 EAST DRY CREEK ROAD
CENTENNIAL, CO 80112

### Greetings:

The above numbered permit was issued in your name on 02/10/2014.

The Well Record was received in this office on 03/10/2014, stating that it had been completed on 03/04/2014, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/28/2015.

If you have any questions, please feel free to contact us.

Sincerely,

#olanda #mendiola (575)622-6521

drywell

# WELL RECORD

2010 Page 44 of 99
File No. £ 1104

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, P. O. Box 1079, Santa Fe, New Mexico, or in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence only if an old artesian well has been plugged. All other sections should be answered in full in every calculated and sworn well drilled is shallow or artesian in character. This report must be subscribed and sworn with the consequence of the State Engineer, P. O. Box 1079, Santa Fe, New Mexico, or in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 consequence of the Artesian Well Supervisor of the A

JUN 29 195 Owner of well. W.E. Granath STATE ENGINEER Post Office Hobbs NM Well was drilled under Permit No. L IIO4 Township... I9 S....... Range 3.8e.... Drilling Contractor J E Barton Street and Number 920 E Gypsy (Plat of 640 Acres) Locate Well Accurately MM eddoH 19 5I Drilling was completed 6 23 Drilling was commenced 6 Elevation at top of casing in feet above sea level...... Total depth of well 60 feet. Water level upon completion of well 33 feet below land surface. PRINCIPAL WATER-BEARING STRATA No. 1, from 33 to. 60 Thickness in feet 27 Formation Sand ...... tq....... tq....... Thickness in feet...... Sec. 3 RECORD OF CASING Dlameter Name of Threads Feet of Perforated Pounds Type of Purpose per Inch in Inches per Foot Manufacturer Casing Shoe From Sec. 4 RECORD OF MUDDING AND CEMENTING Number of Sacks Specific Gravity Diameter of Tons of Methods Used Hole in Inches of Cement of Mnd Clay Used JUN 27 1951 PLUGGING RECORD OF OLD WELL Sec. 5 ARTESIAN WELL SUPERVISOR
ROSWELL, NEW MEXICO ...... Name of plugging contractor..... Street and Number..... ..... Post Office... Tons of ciay used....... Type of roughage used....... Type of roughage...... .... Was plugging approved by Artesian Well Supervisor?..... Cement plugs were placed as follows: No. 1 was placed at.....feet. Number of sacks of cement used...... 

No. 3 was placed at \_\_\_\_\_\_\_feet. Number of sacks of cement used \_\_\_\_\_\_

distilled of the state of the

LOG OF WELL

FROM (Depth in Feet)	TO (Depth in Feet)	THICKNESS IN FEET	CLASSIFICATION OF FORMATION
0	20	20	caliche
20 3 3 3 11	33	I3	sand rock
33 - 1521	60	27	water sand
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1. 9 & Barto	*	No. 100 V	

1 J & Barton	do solemn	ly swear that, to the b	est of my knowledge and
belief, the foregoing information is a true and	correct record of the well	for which report is her	eby made, insofar as can
be determined from all available records.		128 1	
SUBSCRIBED AND SWORN TO BEFORE	ME this Signed	4 00 11 ans	w
25 day of grange A	LD., 19.5. Position	Doubles	
Enkel OD on	Street and	d Number Buy 4	-2
Notary	1		
My Commission Expires. 28-	1953 Post Office	. Hoh	mm
Imaging: 1/22/2025 9:50:12 AM			



# STATE ENGINEER

This form to be executed in triplicate. RY 485190

# PROOF OF COMPLETION OF WORKS **UNDERGROUND WATERS**

	Permit No. I-1104
State of New Mexico	_) ~
State of New Mexico  County of Lea	<b>SS.</b>
I. W.E. Granath	
of Hobbs	, County ofLea
State of New Mexico	, being first duly sworn, do hereby certify that I am the owner
and holder of a permit to appropriate (appropriate w	in the
Lea County Water Basin (name of underground reservoir, artesian	basin, etc.)
to be used for domestic.	purposes
under said permit; that said application has been filed	and approved in the office of the State Engineer under
No. 1-1104	that the works necessary to accomplish
	of said permit have been completed; that all provisions and
	e State Engineer have been fully complied with; that the fol- pletion of said works; and that the said statement and each
and all of the items contained therein are true to the bes	
	W. E. Granath
e e ke ç <del>di</del>	
2 2	1 a sum (2.7)
Subscribed and sworn to before me this	day of Jany 1903
	Notary Public.
My commission expires:	
My Commission Expires Sept. 24, 1956	- *
*	
STAT	EMENT "
1. Name of appropriator. W.E. GRANATH	<b>t</b> e
1. Name of appropriator	******
2. Postoffice address	
3. Underground water supply LEA COUNTY WAT	PER BASIN
4. The well is located in the SE 1/R	quarter of the SW 1/4 quarter
of the NE 1/4 quarter of Section	n 4 Township 195
Range 38E , N.M.P.M., i	LEA COUNTYYCounty
	DECEIVED
	ED W

OFFICE ARTESIAN WELL SUPERVISOF AOSWELL, NEW MEXICO

1953

STATE ENGINEER

JAH 2 9 1950

L-1104

5.	5. Nominal size (outside diameter) of casing or liner	inches.
	20 55	feet.
	Wind mill  8. Description of pump: make; type;	
	suction liftfect; size and length of column	
	size and number of bowls	
•	The devices considerate and the devices of the devi	¥.
9.	9. 'Make, type, horsepower, etc., of power plant	***************************************
		<u></u>
10.	). Capacity of wellgals. per min. 11. Is well equipped with gate valve?	
12.	2. Name of driller. J E Barton	
13.	3. Has log of this well been filed with State Engineer or his representative?	
14.	. The distribution work consists ofreservoirsfe	et of ditch,
	feet of flume,	•
15.	5. Size of reservoir feet wide, feet long, f	eet average
	depth, cubic feet capacity, located in the	
16.	5. Lands to be irrigatedacres, located in	<u> </u>
	*	
	- Control of the Cont	***************************************
	<u> </u>	***************************************
17.	7. If there are other sources of water supply for these lands, describe giving file Nos., etc	
	6 2	
18	3. Works were completed	10
		, 10
19.	9. If above construction replaces an old well to be plugged or abandoned, fill out following:	* 100 g
	a. The well abandoned is located in the	
	of Section	••••••••••••
	h. Name of plugging contractor	
	c. Well was plugged in accordance with terms of permit	19
	I hereby certify that I have duly inspected the above works and find them adequate and properly construc	ted accord-
ine	ng to the terms and conditions of this permit.	
0		
-	Artesian Well Supervisor (or ropresentative of State En	gineer)
	Date 2-6-53	30.00
	_	

1188211

INSTRUCTIONS: This form should be typewritten, and filed in the office of the State Engineer, P. O. Box 1079, Santa Fe, New Mexico, or in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

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}} <u>}</u>		; <u>;</u> ;	Stree	t and N	umber	box 8	346	7 S	2 <u>18 Å</u>	
NW		N.E	Post	Office	Hobbs	s NM.	21 - 22			
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SW		S.E	Town	ship1	9.s		, Range	38e	1 = .	
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			Stree	t and N	Jumber I	Box 42				
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										<b></b> -
5, from		to		, Thick	ness in fee	t	Form	nation		
:. 3	1.5			REC	ORD OF C	CASING				
Diameter	Pounds	Threads	Nan	ne of	Feet of	Type of	Perfor	sted	_	7
in Inches	per Foot	per Inch	Manui	acturer	Casing	Shoe	From	To	Purpose	
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s of clay	- 5							_		<u></u>
					Wa	s plugging ap	proved by	Artesian W	ell Supervisor?	
35 F	-	ed as follows	2 2						Terror Car	W.
1 was pla	ced at				feet. Num	ber of sacks	of cement	used		
2 was pla	ced at				feet. Num	ber of sacks	of cement		FR 4 10co	
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LOG OF WELL



20M (Dopth in Foot)	TO (Depth is Feet)	THICKNESS IN FEET	CLASSIFICATION OF FORMATION
	2 3	0	
		2	tight coil
2	30	28	caliche
36	46	16.	packsand
+6	56	- 10	sendrock
5.6	76	20 WE	tersand loose rook
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	w (**		1. (2)

	do solemnly swear that, to the best of my knowledge and
20.880	the stone of the well for which report is hereby made, income as can
SUBSCRIBED, AND SWORN TO BEFORE ME	(1000
Notary Publi	o Street and Number Box 42
Mr Commission Parises	Post Office Hobbe 91 MM

(This form to be executed in triplicate)



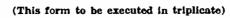
## PROOF OF COMPLETION OF WORKSINEER

## UNDERGROUND WATERS

	Date of Receipt Fabruary 5, 1952 Permit No. L = 1345
: 1.	Name of permittee Laren and Audrie Parrott
	P. O. address Box 846 City and State Hobbs, New Mexico
	Permit No. L = 1345 to Drill (appropriate, repair well, change location of well)
	IDIDEDODATAD CONTRACT
	(name of underground reservoir, artesian basin, etc.)
2.	Description of well: location, 4, Lota, 4 & 5, of Section Byors Hights
	Township Range 38 E total depth, 76 feet; outside diameter of top casing
	(or hole, if uncased)
	and address of driller, J. E. Barton, Hobbs, New Mexico ;
	Date drilled, February 7 , 19.52
3.	Record of Pumping Test (to be supplied by person or firm making test; Name and address of person making
	test, None
	date of test,feet, and im-
	mediately afterwardfeet; Length of test,hours; average discharge,
	Specific capacity of well, gal. per min. per ft. of drawdown.
4.	Description of pump: Make, H. P. Jet Water Pump-Wards Centrafugal Jet System
	type,; if turbine type, give size of column,inches; diameter of
	bowls; length of suction pipe,
	length of column, bowls and suction pipe,feet; if centrifugal type, give size of pump
	inches; if other type, describe,Pressure Pipe
	rated capacity of pump (if known)
5.	Description of power plant: make, EEECFRIC MOTOR / WARDS FEB 5 1953:
	type, 220 Volts A.C.; rated horsepower (if available) 17 type de 6-18-4 Gonnection ARTISIAN WELL SUPERVISOR
	to pump, DIRECT.; date of installation of power plant, 2-15-52 BOSWELL NEW MEXICO
3.	Actual discharge of pump, 9. G.P.M., at rev. per min., from a depth of 564 feet;
	Date of test, 19; Name and addressmof dealer supplifing putilified power
	plant, MONTGOMERY WARD
	FORT WORTH, TEXAS FEB 4 1953
	FEB 16 1953  ARTESIAN WELL SUPERVISOR ROSWELL NEW MEXICO
	O F F I C E ARTESIAN WELL SUPERVISOR ROSWELL, NEW MERICO
	2-1345

8 11	1		
		. Jings s <b>i≷</b> a = ₹	9.4.
7. Permit acreage to be served	by well,acres, to receive a		e feet of water
allowed by permit.	than i pènia. on	are the total to	
07 11 6 1	dan.	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
8. The distribution system consi	sts of overnight storage reservoir(yes or no)	, andfeet	of main canal;
3	, <del>11</del> %	$7 \pm 1.4^{\circ}$	U 250 iii
give approximate capacity of	reservoir or tank (if any)	cubio	e feet.
9. If above construction replace	s an old well to be plugged or abandoned	, fill out the following:	the well aban-
at the second	e # , % *		
doned is located in the	¼,¼ of Section		Range;
Name of plugging contractor,	, 13 4 1-73	<u> </u>	;:::;
	n *		
Well was plugged in accordan	nce with terms of permit		., 19
10. Give date "Well Record" was	filed with State Engineer's Office	2-5	, <sub>19</sub> 5.3
11. Pump and power plant were	installed and works completed		, 19.2
	) XX		
The undersigned, owner and l	holder of Permit NoI-1345, beir	ng first duly sworn upon	his oath, states
that he has read the foregoing sta	atements and that the same are true to the	e best of his knowledge a	and belief.
,	1	, ,	. 11
	- Van	and appropria	
* 6_		2	
The state of the s	112		
100 200	re me this	coly .	بِک 19
The second secon	9 15 1954	William .	<u> </u>
My commission expires		Notary Public	<b>4</b>
Ed.			
q <sup>*</sup>	Affidavit of State Engineer's Representa	tive	
I hereby certify that I have	duly inspected the above Works and find	them adequate and prope	rly constructed
W	No.		
according to the terms and condi	tions of the permit. Note any exceptions	5	-
1 H 5-3 H		¥ 18	
**************************************			
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TESTAN WELL BURGAVIEDS		but w Nels	
ובינים בינית אונות אונית	Groundwater Supervis		of State Engineer
Date,	7 <b>6</b> , 19.53	₩ ₩	
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FEB 4 1953			
SILLY MELL STREET		7/	
COURT NEW VERICO	atr.		





# WELL RECORD

O Page	52
STATE ENGINEER-Sente Fe, N. M.	
DEGELVEM	
* ID3 1(2)	
JUN 4 1954	
PE.	:
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4885	6
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ate of Receipt.		•••••		<u>\$</u>	Pe	ermit NoI	-2411
Name of per	rmittee,	Star	nolind Oll and Ge	is Company	Δ	35 . Sje	3 - Y
6	E # 10	ä s		2 %			
Well location	and descr	iption: The	Shallow well	is located in	n NE		NE )
NE ·	¼ of Se	ction	9 Township T	-19 <b>-</b> S	Range R-38	E: :: E1	; <sup>-</sup> evation of top (
casing ahove	sea level,	3600	feet; diameter of hold	7"	inches tota	्ः al depth,	92 fee
depth to water	er upon cor	mpletion,	44 feet; drilling	was commer	nced Ma	y 29	, 19.54
			, 1954; name of	• "	<b>3</b> 1	$\lambda . i$	~ :
Box 30	<u>06</u> ~		Iress, Hobbs, New	v Mexico	; Driller	r's License I	vo MD 111
Principal Wa			deal to	<b>4</b> .*	8.	190 <sub>0</sub>	()A
Fre	Depth in Fe	et To	Thickness		otion of Water-be	aring Formatio	· .
No. 1		52	6 Ft.				9.755-A2
No. 2 62		88	26 Ft.		Sand Sand		
No. 3			20 10.		08110		
No. 4			* E	100 SU, 10			
No. 5		- F	3 2		400	7/1 1/1/10	******
7"	21	10	*	50	No		No
	**************************************			······································		***************************************	***************************************
				······································			
If above cons	struction re	places old w	ell to be abandoned, giv	e location:			4,
of Section		Township	, Range	; :	name and add	ress of plug	ging contracto
		a sas Anni (gairmingan		 !	<u> </u>		27 29 
data of pluce	····		20 V V		+1 1 x	· · · · · · · · · · · · · · · · · · ·	60 e
date or bings	ging	3	, 19; des				
date of plugg	ging	3- ° · · · · · · · · · · · · · · · · · ·	; des	cribe how we			
date of prugg	ging		ç» (** · · · · )	cribe how we	ell was plugge	d:	
date of plugg	ging		Sole Estain	cribe how we	ell was plugge	d:	5D
	ging.		O E G E	SimMFE, N.	ell was plugged	d:	E-D-
date of plugg	ging		SEP 26	Simila FE, N.  1955	GROUN	d: 	ED D
aate of plugg	ging		SMC LALAGO DE GE	Simila FE, N.  1955	GROUN	OFFICATION AND AND AND AND AND AND AND AND AND AN	ED D

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5. Log of Well:

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1 24 23 Caliche  24 32 8 Pack Sand  32 37 5 Hard Sand Rock  37 46 9 Light Sand  46 52 6 Water Sand  11	Depth to	To To	Thickness in feet	Description of Formation;
1 24 23 Caliche  24 32 8 Pack Sand  32 37 5 Hard Sand Rock  37 46 9 Light Sand  46 52 6 Water Sand  111 52 62 10 Hard Sand Rock  62 88 26 Water Sand  88 92 4 Light Sand  3		1	I and	Top Soilwallance
24 32 8 Pack Sand  32 37 5 Hard Sand Rock  37 46 9 Light Sand  46 52 6 Water Sand  111 52 62 10 Hard Sand Rock  62 88 26 Water Sand  88 92 4 Light Sand  2	1	24	23	Caliche
32		32	00	Pack Sand
37	32		5	Hard Sand Rock
16   52   6   Water Sand	37			
52 62 10 Hard Sand Rock  62 88 92 4 Ident Sand  5 35 35 37 27 37 27 37 27 37 27 37 37 37 37 37 37 37 37 37 37 37 37 37		52		100
62 88 92 4 Ident Sand    1			10	Hard Sand Rock
88 92 4 Ident Sand    0,10	62	88	26	Water Sand
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The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Licensed Well Drille

### Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

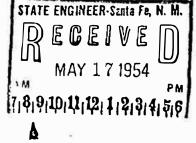


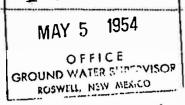


were to standard .

### (This form to be executed in triplicate)

			WELL	RECO	RD "		*1	(*)
Date of Rec	eipt	May 5	7,1954			Permit	No.L. 25	36 ,
		<i>.</i>	Drilling		3			28
			<u> </u>					
			he Shallow	well is locate	6			
			(shallow or arter	istri)				
			feet; dia		7		•	
			reet; dia	9 1116			•	
	59			9.				
			1 28 , 195/				¥ 1	
			ress,Hobbs	, Mew Mex				<u> </u>
2. Principa	l Water-bear			2				
	Prom	To	Thicknes		Description of	Whiel-Deal	mg rormation	
No. 1	52	65	13		Water	Sand		4,,,,
No. 2	<u>78</u> _	96	18	81 10 15 15 15 15 15 15 15 15 15 15 15 15 15	Water	Sand		
No. 3						-		
No. 4					- · · · · · · · · · · · · · · · · · · ·		<u> </u>	
No. 5			Array China			***************************************		
3. Casing F	Record:				95		æ	
Diameter to Inches	Pounds per ft,	Threads per inch	Depth of Casing of Top Bot	r Liner Feet of tom Casing	Type of	Shoe	Person From	ation To
7	22	10_	08	585	Non	<b>3</b>	-51	85
				·				***********
***************************************			**************		, , , , , , , , , , , , , , , , , , ,			
		***************************************	partendaria de la companya de la com	***************************************		····		
		Casalet - who from the				14	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Ň							
4. If above	construction	replaces o	ld well to be ab	andoned, give	location:			¥
of Section	on	_, Township	), I	Range	; name an	d address	of plugging	contractor,
manye .	-	- X 14.0				•		
date of 1	plugging	<u> </u>		., 19; descri	be how well wa	s plugged	† <del></del>	
		************		s green a r				
	·····	04 04		·····	<u> </u>			
						TH.		
			STATE ENGINEE	R-Santa Fe, N. M.	1	M	IAY 5 19	54
	75		n res		1	8	OFFICE	





5. Log of Well:

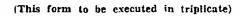
Denth	in Feet	Thickness	
From	To	in feet	Description of Formation
0	23	23	Caliche
23	24	1	Hard Sand Shell
24_	39	15	Pack Sand
39	45	6	Hard Shell
45	52		Tight Sand
52	65	13	Water Sand
65	78	13	Tight Sand
78	96	18	Water Sand
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The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

Released to Imaging: 1/23/2025 8:50:12 AM



# PROOF OF COMPLETION OF WORKS

UNDERGROUND WATERS

			it No. L-2536
	U		*
P. O. addressBox	296cits	and StateHob	bs, New Mexico
Permit NoL-		rater  ppriate, repair well, char	TEL Continue of well
in theLEA COU	3.23		ige location of well)
* 3.99 3.99		name of underground re-	servois, artesian basin, etc.)
2. Description of well: location,		. SW 14,	NE of Section 4.
Township19S, Range	38 E; total depth,	96 fe	et; outside diameter of top casing
(or hole, if uncased) 7n Ca	asing nes; if artesian, is v	rell equipped with g	gate valve?; name
and address of driller,	Ed Burke, Hobbs	, New Mexic	0;
Date drilled,	<i>2 2 2 3 3 3 4 3 3 3 3 3 3 3 3 3 3</i>	C 40	April 27& 28, 1954
3. Record of Pumping Test (to	be supplied by person or fir	m making test; Nar	me and address of person making
test,		NONE	;
		*****	, feet, and im-
			age discharge,
Specific capacity of well,			•
			·····;
			• •
			inches; diameter of
			, give size of pump
inches; if other type, describe,			
		************************************	· · · · · · · · · · · · · · · · · · ·
rated capacity of pump (if kr	nown) G.P.M., at	rev. per mi	in., from a depth of feet.
5. Description of power plant;	make,Internation	al Ww9 U-2	
type, Industrial	; rated horsepower (if a	vailable)20	; type of drive connection
to pump,Belt	; date of installation of	power plant,	April 28 19.54
6. Actual discharge of pump,	Sst. 125 <sub>.M., at</sub>	rev. per min., f	from a depth of feet;
Date of testNone	19; Na	ne and address of	dealer supplying pump and power
plant,Companyowned	l units	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	STATE ENGINEER-SZE		
	REGEIN		+FILED+
	IUЦ	11 11 1	MAY 5 1954
	MAY 171	954	
	[7 <sub>1</sub> 8 <sub>1</sub> 9 <sub>1</sub> 10 <sub>1</sub> 11 <sub>1</sub> 12 <sub>1</sub> 1 <sub>1</sub> 5	विश्विक्ष	OFFICE GROUND WATER SUPERVISOR ROSWELL, NEW MEXICO

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7.	Permit acreage to be served by well, ac	res, to receive a to	otal of	acre fe	et of water
	allowed by permit.	in constant, or	9 - "		
12	* *				
8.	The distribution system consists of overnight storage	reservoir		feat of r	nain canal:
		(yes or no)			,
		-		-·÷	
	give approximate capacity of reservoir or tank (if any)			cubic feet	•
	12756 W 14	ا بادرود ا	a wale.		
9.	If above construction replaces an old well to be plugged		선물 시작성 전혀 차	200 m	abandoned
	* (a)			9	
	10 and a se				
	is located in the $\frac{1}{4}$ $\frac{1}{4}$	of Section	, Township	Range	2;
	. V.,	ν.	ບໍ	ί Ξ	
	Name of plugging contractor,	**************************************			:
	Name of plugging contractor,	r)	wi e :		
	Well was plugged in accordance with terms of permit		***************************************	,	19
	(3)	( ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	######################################	120	
10.	Give date "Well Record" was filed with State Engine	er's Office,	Apri	L 29	1954
•	4 5 18 MANG # 5	·			•
			Apri 1	28	54
11.	Pump and power plant were installed and works com	pleted		. ~0	, 192 <del></del>
tha	he has read the foregoing statements and that the same  Subscribed and sworn to before me this	Gackle By: Gal	Drilling varal K	ço. By	skę
My	commission expiresSept26, 1957	phi	`W. K	hear	ma
	1207 dr.d=	. Nota	ary Public		
	grand and the second to the se	4		J	
	Affidavit of State Engine	ter's Representative	e		
	I hereby certify that I have duly inspected the above	Works and find the	hem adequate ar	nd property	constructed
acc	ording to the terms and conditions of the permit. No	e any exceptions			
100000					Maria Maria de Tala de Centra de C
250000					
	221 1				
	£ 3	Pin	Willes	ili ili e.	
	a julius y	Groupdwater Super	ryisor or 2ther more		
,				sentative of Sta	te Engin <b>ee</b> r
		0		sentative of Sta	te Engineer
Dat	e, 165 / Y 195 Y			sentative of Sta	te Engineer

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Form WR-23



### WELL RECORD

490189

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

	Section 1								**		
			-	- 1		er of well.	18	Curtis V. M. Box 21	28 (27)		
				- 1		l Number_	lobbs		a 2.	N	
				$\overline{}$	City			1			
			2	- [						is located in the	
			-			-			_	Rge38E	
				- 1		•		12		se No. <u>WD99</u>	
				- 1		1 Number		Box 56		No. Mouries	
				- 1	•				State]	19 55	
				- 1	_	vas <u>comm</u>			Kar		
		Plat of 640 ac			_	-		April ]	A 1 5 1-1		
	Elevation	n at top of	casing i	n feet	t above se	a level		Total de	pth of well	85.	
	State wh	ether, well-	is shall	low or	artesian.	Sha	llow	Depth to wa	ter upon complet	tion 40	
27	Soction 9	garig pe	1	1	PDIN	CIPÁL WA	TED READ	OCCUPATA	tanger e.	1946 8 4 4 4	
	Section 2	Depth in		T	ckness in	IOII AL WA	2				
*5	No.	From	To		Feet		De	escription of Water	r-Bearing Formation	1 5 5	
	1	1.0	•	•	V1, 2						
	2	.60	85	-	25	Red sa	nd_and_	sand_rock			
	3			-	F. 12		· · · ·	* * *	* .**		
		-		-	33	_		<b>.</b>	1		
	4				(X		<u> </u>				
	5	- 1				122	7. 8.	22.02.02 W G			
	Section 3 RECORD OF CASING										
	Dia	Pounds	Threa	ads	De	pth	Foot	T. Chan	Perfor	ations	
	in.	ft.	in	10 (4)	Тор	Bottom	Feet	Type Shoe	From	To	
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						t 55				(4)	
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		*****		2	, 00		į .	¥0 349	90 54		
	Section 4 RECORD OF MUDDING AND CEMENTING										
		in Feet	Diame		Tons				Methodo Used		
	From	То	Hole in	4 10.	Clay	Cem	ent,	Ale .	FIL	RD	
	-	- E		a 8				1600 ·			
		- 8	225	* 1	4%	S .	-	<u> </u>	MAY 2 1	955	
		la de						1	OFFIC	E	
		Pa	1		19 27 22 E-2 <sub>(28</sub>	1			GROUND WATERS	ווייייייייייייייייייייייייייייייייייייי	
	Section 5	b	3 %	00	n, Li	PLUGG	ING REC	ORD	· · · · · · · · · · · · · · · · · · ·	98	
			Contrac	tor	. 34	(6)	7. 5±1	H	License No.	· 5:55	
		nd Number									
	Tons of	: Clay used			Tons of R	oughage u	sed	Ту	pe of-roughage		
	Plugging	method us	ed:				1	Date Plu	5.600 20	19	
		approved				91	. !		gs were placed as	follows:	
	12			0.	18		ļ.	Depth of P	lug	See No. 17.	
	-				Basin Sup	ervisor	· No	From J (1) (1		Sacks Used	
		FOR USE	OF STAT	TE EN	GINEER O	NLY			الزاحان و د		
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	Date 7	Received	5-3	2 -	55			1A1	Classical Programmes	61.	
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Section 6

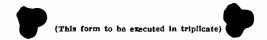
WILL RECORD ... Para reserve STATE UNG WEST UPTION

Though they Section 1A and Section 5 med by your plote?	
county is as possible when any well is drilled, is paired or deep and. When his to, m ?	is ning a liphagairt
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Depth in Feet	Thickness	Calan	Proceed Material Procedures
From 130 Ci. To	in Feet	Color	Type of Material Encountered
0 1	1		Soil
1 105 36.	35 876	White	Caliche and rock
35 60	25	Grev Crev	Sandy-Shale 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
60 85	25		Sand-and-Rock
I telest of telest and ned a	5.j.	Red	Correct Plays see who dies to block a
Buight Hayled t	·		Date Plumped 10
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EW ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100 mm/ 100	figura sea or	
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Dit . L. F. L	Irr. A. 1	D2 to p	Earl 1 1 1 200 Chart 1 200 Ch
		RECORD	OF CASING
	1-20	t to acceptor. This is	
	- 1	Waste as	<u> </u>
* !		CHO GH HONO	
	1	ra- N	COMMON MATERIAL REPORTS OF STREET
			Land Carrier And Section 1 to 1970 to
,,, p. ,	* * * ********************************	1000 Mean 5:59 N	
13 A 15 A 16 17	1 4	61 10 .	Ou mark on of Water-B where the self-
The undersigned he	reby certifies 1	that to the best of h	is knowledge and belief, the foregoing is a true and cor-
rect record of the al	oove-described	well	De the Se water upon combedien
Loral flow S. or book			1000 Day 11 161/16
His. Ward	: }		Well Driller
1		ealthu, was complete	
	, T	eliung was corerou	eced
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1 .	,   S	"er" and Number	and the state of t
<u></u>			tot to will tale the Lice with the
1	4		Jul. 34 of Euglich u. d. Trey 1274 1274 14 520
	* I		of Dennit No. 1422.) . one is located to the
		10	ந்துள் ஒன்ற நேடுக்கு கொழிந்த கூறு நடி
1 1	13	tiest ind Number -	To make the second of the second seco
10, 131.27 1		A) Oaner of well	

LOG OF WELL



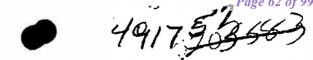
# PROOF OF COMPLETION OF WORKS

### UNDERGROUND WATERS

	Date of Receipt	May 2, 1955		Permit NoL-2800	
1.	Name of permittee	Cu	rtis V. Myers		· <b></b>
	P. O. address	Box 21	, City and State	Hobbs, New Mexico	·•••••
	Permit No L-2800	to	Appropriate	change location of well)	
			6		
			(name of underg	round reservoir, artesian basin, etc.)	
2.				4, SE of Section 4	
	Township 195 R	ange; tot	al depth,85	feet; outside diameter of top o	easir
				ith gate valve?;	
				Hobbs, New Mexico	
	Date drilled,	April 13 & 1	l+		9
3.	Record of Pumping Test (	to be supplied by person	or firm making test;	Name and address of person m	akir
	test,	None		4:	
	date of test,		depth to water before	re test,feet, an	d in
	mediately afterward	feet; Length of te	st,hours; av	erage discharge,G	.P.M
	Specific capacity of well	gal. per	min. per ft. of drawdow	zn.	
4.	Description of pump: Make	2,1 H	P_Jet	14 (2)	
	type,	if turbine ty	pe, give size of column,	inches; diame	ter*
	bowlsinches;	number of bowls	; length of such	tion plpe,feet;	tot
	length of column, bowls and	suction pipe,	feet; if centrifugal ty	ype, give size of pump	
	inches; if other type, descri	ibe,			
	rated capacity of pump (if	known)G.P.	M., atrev. per	min., from a depth of	fee
5.	Description of power plant:	make,			୍ଦ
	type,	; rated ho	rsepower (if available)	; type of drive conn	ecti
	to pump,	; date of insta	allation of power plant,	, 1	9
6.	Actual discharge of pump,	G.P.M., at	rev. per mi	n., from a depth of	fee
	Date of test	, 19.	; Name and address	of dealer supplying pump and	pow
53	plant,	<u>-</u>			
		1,0			
		[Lii]	1 5 5 5 T	// FILI	$\mathbf{E}$
		A19 7/0/ni	Citation E.		355
(2)		17.0191	11-11"91121214:516	OFFIC	

7.	Permit acreage to be served by well,acres, to receive a total of3_acre feet of water
	allowed by permit.
3.	The distribution system consists of overnight storage reservoir
	give approximate capacity of reservoir or tank (if any)
9.	If above construction replaces an old well to be plugged or abandoned, fill out the following: the well aban-
	doned is located in the
	Name of plugging contractor,;
10	Well was plugged in accordance with terms of permit
	Give date "Well Record" was filed with State Engineer's Office, April 27, 1955  Pump and power plant were installed and works completed April 26, 1955
11.	Pump and power plant were installed and works completed
	The undersigned, owner and holder of Permit NoL-2800 being first duly sworn upon his oath, states
tha	t he has read the foregoing statements and that the same are true to the best of his knowledge and belief.  Curtis Vi Myuss
	By O. R. Murslewhile
	Subscribed and sworn to before me this 28th day of 18VV
Му	commission expires 4-16-1418  Notary Public
	Affidavit of State Engineer's Representative
,	I hereby certify that I have duly inspected the above Works and find them adequate and properly constructed.
acc	ording to the terms and conditions of the permit. Note any exceptions
	i -
	Groundwater Supervisor or other presentative of State Engineer
Dat	e,

### STATE ENGINEER OFFICE



### WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1	/		(4) 0	an a <b>f</b> all	Henr	w Faston		
1							State	
a -							82and	
0							Twp 19s	
-							Licen	
		2		•			DICCII	
	1		8.				State	
1		1						
(P	lat of 640	acres)	Dining w	vas comple	:teu2			15
Elevation	at top o	f casing in	n feet above se	a level		Total de	pth of well 10	0
State wh	ether we	ll is shalle	ow or artesian.	shallo	W	Depth to wa	ter upon complet	ion35
Section 2						NG STRATA	× 2*	; +0
No.	Depth i	n Feet	Thickness in	1	Des	crintion of Water	r-Bearing Formation	
No.	From	То	Feet					•
1	35	60	25		water	sand and	loose rock	
2	85	100	15		waters	_		
3								
-4		117						
5	1972							
		)	12		137			
Section 3	1				D OF CAS	ING		
Dia in.	Pounds ft.	Threa in	ds De	pth   Bottom	Feet	Type Shoe	Perfor From	ations To
7				6	6			
	<u> </u>	non	le   U		0	XI.	for ourt	
							·····	
				-			=	-
1	k			10	1	<u> </u>		
Section 4			RECOR	D OF MUE	DING AN	D CEMENTING		
	in Feet	Diame Hole in	10.25	No. Sa Cem			Methods Used	
From	10				-			
				-	31 31			
		-						
	1	+			-	14192		=
	T	1						
Section 5				PLUGG	SING REC	ORD		
Name of	Plugging	Contract	tor			***************************************	License No.	***
							State	
Tons of C	Clay used		Tons of R	loughage u	ısed	Ту	pe of roughage	
Plugging	method u	ısed				Date Plu	igged	19
	approved						gs were placed as	
3	;;	,				Depth of P	lug	
 		1	Basin Sur	ervisor	No.		No. of	Sacks Used
0 350 V	FOR IIS	E OF STAT	ENGINEERIO	NIX				-
	FOR US	J. OR BIAL		120				1
Date F	Received .		JUN 19 195	6	_{	3		
ř.			OFFICE	QK.				
			UND WATER SUP		-			· · · · · · · · · · · · · · · · · · ·
			roswell, new Mei		1			
File No.		X 2	982	Use	Som	Locatio	n No. 19.35	4.293

Section 6

LOG OF WELL

Depth	in Feet	Thickness	0-1	There of Material Toursessing
From	To	in Feet	Color	Type of Material Encountered
0	11		dark	soil
1	30	29	white	caliche
30	35	5	brown	hard rock
35	60	25	brown	watersand and loose rock
60	85	15	gray	tight sand
85	100	15	brown	watersand
		4		
	-			
		-		
		-		
		+		-
		1.		
W-10/10		1	3 **	
	J			

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and cor-

rect record of the above described well.

Well Driller

SAFEMARER M.S.
SANDRER M.S.

Form WR-23 SANTA FE STATE ENGINEER OFFICE



504004

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section	1		(A) Own	er of well	Pa	ul Wallach		
	Y-		1 1					<u> </u>
			(					EQ
			-1					and is located in th
								9SRge38E
							_	icense No. WD99
i de	9		A Company of the Comp	_		x 56		
		-	City			Hobbs,	State	New Mexico
								19 65
			Drilling w	as comple	etedA	ug. 16,		19. 6.5
	Plat of 640 ac		· · · · · · · · · · · · · · · · · · ·	361 Lt. 21 1	Ξ,		. 41	121
	-	_						
iate w	netner weii	is snallow	or artesian_		n	Depth to wa	ter upon con	npletion5.0
ection	2		PRIN	CIPAL WA	ATER-BEAR	ING STRATA		2 Ann 1 - 1
No.	Depth in		hickness in Feet		De	scription of Water	-Bearing Form	nation
	From	То	reet		W-2			
1	80	121	41	San	d, san	d rock		
2							The state of the Sec	
3						(1)		
4		İ	į.					20 =
5					1900-			STAT
	n			DECO.	D OF CA	EING		PT
ection	E.		T Pos		I OF CA	ING		SALIE
Dia in.	Pounds ft.	Threads in	Top	Bottom	Feet	Type Shoe	From	erforations To
7	22	10	0	121	122	None	91	= 121 =
	1 22	10		141	122	NONE	71	±9, 0.
								34
			•					(Ti
ection 4	1	-5755	PECOP	D OE MIII	DING AN	ID CEMENTING	45-7	<u> </u>
		Diameter				ID CEMENTING		
From	To To	Diameter Hole in in	1	No. Sa Cerr			Methods Use	ed
			6					
			2		3 2		COUNTY SERVICE STORES	
	**			1				
	1							
				7-				
ection 8					SING REC			
ame of	Plugging	Contractor			···· <del>·</del>	<del>, , , , , , , , , , , , , , , , , , , </del>	License	No
treet a	nd Number				_ City	<u> </u>	State	
ons of	Clay used		_Tons of R	oughage u	ısed	Туг	oe of rougha	ge
lugging	g method us	ed			;	Date Plu	gged	
lugging	approved	by:	W	ρÜ	257	Cement Plug	s were place	d as follows:
· ;	· · · · · · · · · · · · · · · · · · ·	Ţ	Basin Sup		No	Depth of Pl	ug o N	o. of Sacks Used
; <del>-</del>	FOR USE	OF STATE	ENGINEER OF	NLY				
	201.000	T [3]8	Sill	F				
Date	Received	CINEER OF	NA ATATA	<u> </u>	_			5. <del>1811</del> 7
			1965 SEP					
			3 3					
				N		2 (		
ile No	L-57	107_		_Use_D>	m 4 12	Location	n No. 19.	38.4.420

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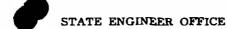
Section 6

LOG OF WELL

Depth	in Feet	Thickness	Color	Type of Material Encountered
From	То	in Feet	Color	Type of masterial advocationed
0	1	1	Brown	Soil & rock
1	36	35	White	Caliche & rock
36	40	4	Grey	Sandy shale
40	60.	20	ıt .	Sand rock, hard
60	80	20	19	Sandy shale
80	121	41	17	Sand, Sand rock
-				
,\		107 - 7	1. 1. 1. 1	<u></u>
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			e. <sup>63</sup>	
			a. 175	

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well

Form WR-23 SANTA FE





504006

### WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section	1			<b>(4)</b> 0 =		Do	.l Wallash		
	TT	300 N D D					ul Wallach		r
1	1 1	1	- 1						
				-					teo
	1 1								and is located in the
	+ +		- 1					-	License No. WD99
0 24		998					12		Dicense 110
	1 !						•		te <u>New Mexbco</u>
	1							100	19 65
				•					19.65
1	Plat of 640	acres),	9	, , , , , , , , , , , , , , , , , , ,	as compre			0.0	# # # # # # # # # # # # # # # # # # #
Elevatio	on at top	of casing i	in feet	above 'sea	a level	, V-5:	Total der	oth of well	121
State w	hether wo	ell is shall	low or	artesian_	Shallo	W	Depth to was	ter upon co	mpletion50
Section	2			PRIN	CIPAL WA	ATER-BEAR	ING STRATA	*	
-		in Feet	Thick	kness in					
No.	From	То	1	Peet		Des	scription of Water	-Bearing For	mation
1	go	121	Ţ.,	1	Con	d sone			
2	. 80	121	4:	_	San	d, sand	I FOCK		
3	-								
4			-						
5						_		-	174 ES
Section	3				RECOR	D OF CAS	SING		SAT SAT
Dia	Pounds	Thre	ads	Dep	oth	Feet	Turna Shaa	_	Perforations
in.	ft.	in		Тор	Bottom	reet	Type Shoe	From	· 和市 To
7	22	10		0	121	122	None	91	- 121 =
									3 CP 0.
	1								34
		1		,			. i		(11
Section	4			RECOR	OF MUD	DING AN	D CEMENTING	*1	
Dept	h in Feet	Diam	eter	Tons	No. Sa				
From	То	Hole in	n in.	Clay	Cem	ent		Methods U	sed
				*			20. 7 - 7 - 7 - 10 - 10 - 10 - 10 - 10	CO ACCOUNTS OF THE DESCRIPTION AND	The state of the s
				74				V24-31-11-14-15	
Thomas var	1								
	_			80	011100	1110 050	000		
Section				St.		SING REC			
									e No
Street a	ind Numb	er	. 7	<u> </u>		City	72 T T T T T T T T T T T T T T T T T T T	State	\$1
Cons of	Clay used	1	7.77	ons of Ro	oughage u	sed	Ty <sub>I</sub>	pe of rough	age
luggan	g memod	useu	- <del>\\</del> !	· (X.)				55 CU	
oluggin <sub>i</sub>	g approve	g ph:	٠.>			56	Cement Plug	gs were place	ed as follows:
٠,			-y	Basin Supe		No.	Depth of Pl		No. of Sacks Used
···	5 0 3030	.A.TIT., VI.	TIBE	and the		7 -	From T	'o	
	FOR US	E OF STA	TE FAIC	INEER OF	NLY	-			P
		144 <u>0 R33</u>	MINNI	SIAIE		_	-		· · · · · ·
Date					V	!			
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						J.		<del></del>	

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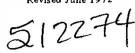
Section 6

LOG OF WELL

Depth	in <b>Fe</b> et	Thickness	Color	Type of Material Encountered
From	То	in Feet	Color	Type of material Encountered
0	1	1	Brown	Soil & rock
1	36	35	White	Caliche & rock
36	40	4	Grey	Sandy shale
40	60.	20	th.	Sand rock, hard
60	80	20	17	Sandy shale
80	121	41	19	Sand, Sand rock
4 45 3000				
	in in			
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		<del>                                     </del>		
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			1	

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well





### STATE ENGINEER OFFICE WELL RECORD

			Section	n I. GENE	RAL INFO	ORMATION	21		
	f wellAmc	_				<del> </del>	Owner	's Well No	/5
	Post Office Ad State Hol		x 68 v Mexic	o 8824	40				
Well was drilled	NW								
a. <u>SW</u>	_ 1/4 XNKE_ 1/4	4 <u>NE</u> ¼ _	NE 1/4 01	Section	9	Township	195 Rang	ge 38E	N.M.P.M
b. Tract	No	of Map N	0		of the			· · · · · · · · · · · · · · · · · · ·	
c. Lot N Subdi	vision, recorde	of Block No		1	of the Cour	nty.			
							ystem		
(B) Drilling (	Contractor	Gene Eac	tes				_ License No	VD 982	
	51 50			11			240		
			_				Rotary		
Elevation of la	nd surface or _			<u>16.</u>	at well is		ft. Total depth	of well1	4.1 ft.
Completed wel	lis 🗀 s	hallow $\square$	artesian.		Dej	pth to water	upon completion	of well	6.5 ft.
0 g						EARING ST			
Depth	in Feet	Thickne	1.00	3200	-		103.00	Estimate	ed Yield
From	То	in Fee	t	Descripti	on of Wat	er-Bearing F	ormation	(gallons pe	er minute)
65	141	76	== \ \ \ \ \ \ \	later S	and			,	35
		i i							
								480	
								1976/11	
	L.,,	L		,	W)				
			Sec	ction 3, REC	CORD OF	CASING			
Diameter (inches)	Pounds per foot	Threads per in.		oth in Feet		Length (feet)	Type of Shoe	: +	rforations
	-	per m.	Тор	Bott	om			From	
4 3/4	160psi					131	-	121	141
5 3/4	160psi	fo pit	ess ad	lagter		10			
54									
	33	Sec	tion 4 PE	CORD OF M	(IIDDIN(	G AND CEMI	ENTING		
Depth	in Feet	Hole		Sacks		Feet		of Placemen	
P-		Diameter	. 0	f Mud	of Ce	ement	Method	of Flacemen	•
From	То	- Diamoto.	+						
From	То								\$ - e
From	То				*				- E
From	То							38 - 31 - 31	
From	То		(2-2000sx-)						
From	То		Se	ction 5. PLU	JGGING I	RECORD			
Plugging Contr	actor			ction 5. PLU		RECORD			
Plugging Contra Address	actor			ction 5. PLU		RECORD - No.	Depth in F	-	Cubic Feet
Plugging Contra Address Plugging Metho Date Well Plugg	actor			ction 5. PLU				eetBottom	Cubic Feet of Cement
Plugging Contra Address Plugging Metho	actor			ction 5. PLU		No 1 2		Bottom	
Plugging Contra Address Plugging Metho Date Well Plugg	actor			ction 5. PLU		No		-	
Plugging Contra Address Plugging Metho Date Well Plugg	actor		ngineer Rep	ction 5. PLU	7	No. 1 2 3 4	Тор	Bottom	
Plugging Contra Address Plugging Metho Date Well Plugg	actorod		ngineer Rep	ction 5. PLU	TE ENGI	No 1 2 3 4 NEER ONLY	Top	Bottom	of Cement
Plugging Contra Address Plugging Metho Date Well Plugg Plugging appro	actorod	State E	ngineer Rep	ction 5. PLU	TE ENGI	No.   1   2   3   4     NEER ONLY	Тор	Bottom	of Cement

			Section 6. LOG OF HOLE					
	Depth in Feet		Color and Type of Material Encountered					
From	То	in Feet	Color and Type of Material Encountered					
0	3	3	Top Soil					
3	3.5	32	Rock					
35	48	13	Sandy Clay					
48	54	6	Rock					
54	65	9	Sand					
65	141	76	Water Sand					
	-							
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		1						
	1							
			S					
14/212 (0001) 15	10							
	4							

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is pittinge and correct record of the above described hole.

INSTRUCTIONS: This form and the latest of the State Engineer. All section 5, shall be answered as completely and accurate a possible when an Relatived, to Investigate 1923/2023 Section 1 is used as a plugging record, only Section 1(a) and Section 5 need be completed. appropriate district office s possible when any well is





LEA

### ROUTING SLIP

120	To: Field	Superviso	r		(Basi	n) or	(County)_	LEA	
	From:		Appli	cant_	AMO.CO	PRODUCTION	1 CO.		
	Land Locat	ion							
	Field Chec	k Requeste	d For t	he Foll	lowing Re	asons	Dat	e: 4/24/86	
	Proof of B Declaration Extension Illegal Ir Supplement Leakage Te Cementing Reduction Pressure T Inspect Ca	completion of deneficial on	Use						10
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	Date: 6/	11/86			Ву:_	JR.	Henre	2	4
	File No	L-7242			Loca	tion No	19.38	.9.222	
							7	22/37	

### WR-36

FIELD REPORT FOR CEMENTING OF WELLS
Name of Applicant
Name of Well
Driller's Name
Drilling Method
CASING DATA: Surfacefeet ofinch. Grade
Inspected by on
(Approved)(Rejected)
Water string feet of inch. Grade
Inspected by on
(Approved)(Rejected)
Oil string feet of inch. Grade
Inspected by on
(Approved)(Rejected)
CEMENTING PROGRAM:  Cemented by Supervised by
Type of shoe used Float collar used
Bottom three joints welded Cement: around shoe sks
around casing sks. Additives_
Size of hole Size of casing sks. of cement required
Plug pumped down (a.m.)(p.m.)
Cement circulated No. of sacks
Temp. survey ran (a.m.)(p.m.) Cement at feet
Temp. survey ran (a.m.)(p.m.) Cement at feet
Checked for shut off (a.m.) (p.m.)
Method used Supervised by
Checked for shut off (a.m.) (p.m.)
Method used Supervised by
REMARKS:
- 1 20 

Location No.

Job approved by\_

# APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 75-11-1 NEW MEXICO STATUTES

(Three Acre Feet Per Annum)

8356

RECEIVED: January 10, 1980  RECEIVED: January 10, 1980  RECEIVED: January 10, 1980  RECEIVED: January 10, 1980  Received: January 10, 1980  Re
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is to discover or develop natural resources.
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and roads.
e and nature of business under Remarks. (Item 7)
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m that the foregoing statements are true to the best of my knowle
nence until approval of the permit has been obtained.
nt
Date: 10-31-79
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Released to Imaging: 1/23/2025 8:50:12 AM

del episting well well capped 11-1-80





A Blee !

en Arento application con

#### GENERAL CONDITIONS OF APPROVAL

A. The maximum amount of water that may be appropriated under this permit is 3 acre feet in any period of one year.

· ( ...

- B. Well shall be drilled only by a driller licensed in the State of New Mexico in accordance with Section 75-11-13 New Mexico Statutes. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 75-11-13).
- C. Driller's log must be filed in office of the State Engineer within 10 days after well is drilled or driven. Failure to file log within that time shall result in automatic cancellation of the permit. Upon request of the permittee, log forms will be provided by the State Engineer.
- D. Diameter of casing limited to 7 inch outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E. Any use of water from the well other than as indicated shall automatically cancel this permit unless prior approval is obtained from the State Engineer.

SPECIFIC CONDITIONS OF APPROVAL (Applicable only when so indicated on the other side of this form)

- 1. Depth of well in no event to exceed the thickness of the valley fill or Ogallala formation.
- Well to be constructed to artesian well specifications and State Engineer Office to be notified before casing is landed or cemented.
- Appropriation and use of water under this permit limited for a definite period of a most and a second one year from the date of approval.
- Limited to household, trees, lawn and non-commercial garden not to exceed one acre and/or stock use.
- 5. A totalizing meter approved by the State Engineer shall be installed on the discharge line before the first branch line prior to the appropriation of water and pumping records shall be submitted to the District Supervisor (a) for each calendar month, on or before the 30th day of the following month (b) on the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 30th day of January of the following year.
- 6. Well to be plugged upon completion of permitted use and plugging report filed within 10 days.
- Final approval for the use of said well dependent upon a leakage test to be made by the State Engineer Office.

### GENERAL INSTRUCTIONS

Application shall be executed in triplicate and forwarded with a \$1.00 filing fee to the appropriate office of the State Engineer.

A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well to be retained for uses as indicated, an explanation (and file number, if possible) should be given under Remarks. (Item 7).

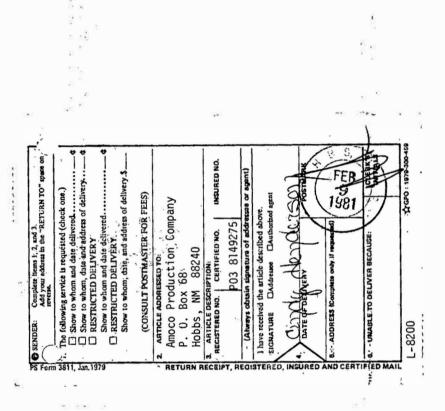
Applications for appropriation, well logs and request for information in the following basins should be addressed to the State Engineer at the office indicated:

Rio Grande. Bluewater and Estancia Basins District No. 1, 505 Marquete, N. W., Rm 1023, Albuquerque, New Mexico

Roswell, Lea, Portates, Carlsbad, Hondo, Penasco and Jal Basins District No. 2. Box 1717, Roswell, New Mexico

Mimbres, Hot Springs, Virden Valley, Animas, Playas, Gila-San Francisco, San Simon, Lordsburg and Nutt-Hockett Basins District No. 3, Box 844, Deming, New Mexico

2" - 1.00 to 1.01 to



## UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

## SENDER INSTRUCTIONS

- name, address, and ZIP Code in the space below.
- Complete items 1, 2, and 3 on the reverse. Attach to front of article if space permits,
- otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number,



NEW MEXICO NATURAL RESOURCES DEPARTMENT P RETURN

WATER RESOURCES DIVISION

P. O. BOX 1717

ROSWELL, NEW MEXICO

88201

STATE ENGINEER OFFICE ROSWELL 4. M.

(Name of Sender)

(Street or P.O. Box)

(City, State, and ZIP Code)

Released to Imaging: 1/23/2025 8:50:12 AM

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34.N =-6-81

February 3, 1981

517193

File: L-3200

Amoco Production Company P. U. Box 68 Hobbs, NM 88240

Gentlemen:

Your well No. L-8200 located in the SEASEA of Section 4, Township 19 South, Range 38 East, which was authorized for oil well drilling purposes, should have been plugged and plugging record filed in this office on or before January 31, 1981. This plugging record has not been received.

It is suggested that you take immediate steps to fulfill the requirements and terms of your permit.

Yours very truly,

Dale Berning Basin Supervisor

DB/fh

cc: Santa Fe C/RRR # P03 8149275

STATE THREE









## STATE OF NEW MEXICO

NATURAL RESOURCES DEPARTMENT
WATER RESOURCES DIVISION

S. E. REYNOLDS STATE ENGINEER

January 10, 1980

P. O. BOX 1717 ROSWELL, NEW MEXICO 88 201

File: L-8200 517193

Amoco Production Company P. O. Box 68 Hobbs, NM 88240

## Gentlemen:

Your attention is directed to the following specific conditions of approval as indicated on the permit:

Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor for each calendar month, on or before the 30th day of the following month.

The well shall be plugged upon completion of the permitted use and a plugging report shall be filed in the office of the State Engineer within 10 days.

Meter sheets are enclosed for your convenience.

Yours very truly,

Dale Berning Basin Supervisor

DB/fh Encls.

cc: Santa Fe

mete, sheet made pled



Revised March 1979

## APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

	°83 AUG 4 AM 10 48		
	nd Address of Applicant:	File NoI	<del>-9</del> 288
Атос	o Production Company	NES	
1=	. Box 68 SANTA PE., N.M. Received:	August 3, 1983	
Hobb	s, New Mexico 88240		
Describe	e well location under one of the following subheadings:	a	
2	Lea		
b.Tract	Noof Map Noof the	<del></del>	
c.Lot No Subdi	oof Block Noof theCou	nty.	
d. X = .	feet, Y =feet, N.M. (	Coordinate System	Zone Grant.
	street address or route and box No. of property upon which well nee from known landmarks		
Approx	imate depth (if known) 80' feet: outside diam	neter of casing7	inches.
Nameo	fdriller(ifknown) Unknown (Existing Well)		
	water (check appropriate box or boxes):		16 3 SST
□ On	ne household, non-commercial trees, lawn and garden not to exceed	1 acre.	co P
□ Liv	restock watering.		W F
□ Мо	ore than one household, non-commercial trees, lawns and gardens n	ot to exceed a total of 1 a	acre.
	inking and sanitary purposes and the irrigation of non-commercia ommercial operation.	l trees, shrubs and lawns	s in conjunction with
□ Pro	ospecting, mining or drilling operations to discover or develop natu	ral resources.	
□ Coi	nstruction of public works, highways and roads.		
If a	any of the last four were marked, give name and natute of business t	under Remarks. (Item 5)	
Remarks	Amoco Production Company, oil and gas dril	ling and production	n. The water is
Sec	ie used in the drilling of Amoco's South Hobbs 3 & 4, T-19-S, R-38-E, Lea County. Apx. 420, test wells.	000 gals will be	lo. 130-140 in used for 11
	irles M. Herring , affirm that the foregoing sta ief and that development shall not commence until approval of the		
Amoc	Production Company , Applicant	7-28- 8	3
By: ( 2	Tares or Herring	Date:	
	ACTION OF STATE ENGINEE	R 5	17905
his applica 1, 3, 5	ation is approved for the use indicated, subject to all general condition is a 6 on the reverse side hereof. This per	tions and to the specific o	
	riven and the well record filed on or before August 31, 19		
E Reyno	olds, State Engineers Ing	METER REQU Se condition of A	
	lbert W. Nelson, Assistant District II Supervi		L-9288_
	11) 200 00 10000 2000	411111111111111111111111111111111111111	n 1973 F

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Vell engaged per mater report

#### **GENERAL CONDITIONS OF APPROVAL**

- A. The maximum amount of water that may be appropriated under this permit is 3 acre feet in any year.
- B. The well shall be drilled only by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).
- C. Driller's log must be filed with the State Engineer within 10 days after the well is drilled or driven. Failure to file the log within that time shall result in automatic cancellation of the permit. Log forms will be provided by the State Engineer upon request.
- D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E. If the well under this permit is used at any time to serve more than one household, livestock in a commercial feed lot operation, the permittee shall comply with Specific Condition of Approval number 5(b).
- F. In the event this well is combined with other wells permitted under Section 72-12-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre feet per annum.

#### SPECIFIC CONDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

- 1. Depth of the well shall not exceed the thickness of the (a) the valley fill or (b) Ogallala formation.
- The well shall be constructed to artesian well specifications and the State Engineer shall be notified before casing is landed or cemented.
- Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
- 4. Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor; (a) for each calendar month, on or before the 30th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 30th day of January of the following year.
- The well shall be plugged upon completion of the permitted use and a plugging report shall be filed with the State Engineer within 10 days.
- 7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer.
- 8. Use shall be limited strictly to household and/or drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, gardens, trees or use in any type of pool or pond is authorized under this permit.

### **INSTRUCTIONS**

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be executed in triplicate and forwarded with a \$1.00 filing fee to the State Engineer. A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and file number, if possible) should be given under Remarks. (Item 5.)

Applications for appropriation, well logs and request for information in the following basins should be addressed to the State Engineer at the location indicated:

Bluewater, Estancia, Rio Grande, Sandia and San Juan Basins

District No. 1, 2340 Menaul NE, Room 206, Albuquerque, New Mexico 87107

Capitan, Carlsbad, Fort Sumner, Hondo, Jal, Lea, Penasco, Portales, Roswell, and Upper Pecos Basins

District No. 2, Box 1717, Roswell, New Mexico 88201

Animas, Gila-San Francisco, Hot Springs, Las Animas Creek, Lordsburg, Mimbres,

Nutt-Hockett, Playas, San Simon, and Virden Valley Basins

District No. 3, Box 844, Deming, New Mexico 88030

Canadian River Basin

State Engineer, State Capitol, Bataan Memorial Bldg., Santa Fe, New Mexico 87503



"OH SEP 5 AM-IN-IR

September 3, 1984 Sabia Final Brown 87501

File: L-9288

Amoco Production Company P. O. Box 68 Hobbs, NM 88240

## Gentlemen:

Your water well No. L-9288 located in the SW45E45E4 of Section 4, Township 19 South, Range 38 East, which was authorized for oil well drilling purposes, should have been plugged and plugging record filed in this office on or before August 31, 1984. This plugging record has not been received.

Also, please report water usage.

It is suggested that you take immediate steps to fulfill the requirements and terms of your permit.

Yours very truly,

Johnny R. Hernandez Basin Supervisor

JRH/fh cc: Santa Fe









## STATE OF NEW MEXICO

## STATE ENGINEER OFFICE

August 3, 1983

S.E. REYNOLDS STATE ENGINEER DISTRICT 2 909 EAST 2ND ST. P.O. BOX 1717 ROSWELL. NEW MEXICO 88201

File: L-9288

Amoco Production Company P. O. Box 68 Hobbs, NM 88240

### Gentlemen:

Your attention is directed to the following specific conditions of approval as indicated on the permit:

Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor for each calendar month, on or before the 30th day of the following month.

The well shall be plugged upon completion of the permitted use and a plugging report shall be filed in the office of the State Engineer within 10 days.

Meter sheets are enclosed for your convenience.

Yours very truly,

Frank Bradley Basin Supervisor

FB/fh Encl.

cc: Santa Fe

meter sheet made



**Amoco Production Company (USA)** 

Post Office Box 68 Hobbs, New Mexico 88240

S. J. Okerson District Superintendent

August 1, 1983

File: SJO-1389-WF

Re: Water Well Use Application

STATE ENGINEER RESPONSE AND BEST AND BE

State Engineer District No. 2 Box 1717 Roswell, NM 88201

## Gentlemen:

Enclosed is an application and filing fee for use of a water well located in SW/4, SE/4, SE/4 of Sec. 4, T-19-S, R-38-E, Lea County, New Mexico. The water from this well will be used to drill the South Hobbs/GSA/Unit No. 130-140 located in Sec. 3 and 4, T-19-S, R-38-E, Lea County, New Mexico.

Yours very truly,

S. J. OKeren que

Attachments

PAGE 1 OF 2



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	OSE POD NO	OSE POD NO. (WELL NO.)					OSE FILE NO	S).			50.49	
AND WELL LOCATION				22405 L-14862								
ATI	WELL OWNER NAME(S)							PHONE (OPTIONAL)				
OC	STEVENI	STEVEN KENNEDY (WHITE HORSE TRUCKING, LLC)										
17	WELL OWN	ER MAILING	ADDRESS					CITY		STATE		ZIP
Æ	8501 N M	ARR DR						HOBBS		NM	88242	
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& CASING INFORMATION	DRILLING F	TIID:	- AIR	√ MUD	ADDITIV	VES - SPECIF	Y:					
ΜĀ			✓ ROTARY	HAMME	CABLE T	том Г		R - SPECIFY:		<del>;</del>	-	
OR	DRILLING M	ETHOD:	(* KOIAKI	HAMME	CABLE	IOOL !	OIAE	X - SPECIFI;			*	
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FOR	OSE INTER	NAL USE						WR-20	WELL RECORD	& LOG (Ve	ersion 04/30	)/19)

POD NO.

WELL TAG ID NO.

FILE NO.

LOCATION <

	рертн (	feet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	T WATER	ESTIMATED	
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE  (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)	
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	3	32	30	CALICHE	Y JN		
	32	45	13	ROCK	Y IN		
	45	59	14	SAND & SANDSTONE	Y VN		
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NOIS	WELL TEST  TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
TEST; RIG SUPERVI	MISCELLANEOUS INFORMATION:						
; RIG							
S. TEST	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER HAN LICENSEE.  JACOB KNELSEN						
SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.  JACOB FRIESSEN  4-11-20						
•	1	SIGNAT	TURE OF DRILLE	R / PRINT SIGNEE NAME	DATE		
==			×				
	OSE INTER	NAL USE	01.2		LL RECORD & LOG (Ver	sion 04/30/2019)	
	ENO.	-14	BU A	POD NO. TRN NO.	667814		

John R. D Antonio, Jr., P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

## STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 669814 File Nbr: L 1486

File Nbr: L 14862 Well File Nbr: L 14862 POD1

Apr. 14, 2020

STEVEN KENNEDY WHITE HORSE TRUCKING LLC 8501 N MARR DR HOBBS, NM 88242

## Greetings:

The well driller's record for the above numbered well has been received in this office indicating your well has been completed.

Your permit was granted with the condition that a meter(s) be installed and meter readings submitted to this office.

Per Condition 5B, please advise this office within 30 days, on the attached form, of the make, model, serial number, date of installation, and initial reading of the meter(s) prior to appropriation of the water.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Amaral (575)622-6521

Enclosure

wellcon5



**APPENDIX C** 

Photographic Log

Project: South Hobbs GSA Unit 238004

Entity: Oxy USA, Inc.

Incident ID: nAPP2410037098





View of release extent prior to site assessment activities, facing northeast (April 9, 2024).



View of release extent prior to site assessment activities, facing north (April 9, 2024).

Project: South Hobbs GSA Unit 238004

Entity: Oxy USA, Inc.

Incident ID: nAPP2410037098





View of excavation extent during initial remediation activities, facing east (November 1, 2024).



View of excavation extent during initial remediation activities, facing north (November 1, 2024).

Project: South Hobbs GSA Unit 238004

Entity: Oxy USA, Inc.

Incident ID: nAPP2410037098





View of excavation extent during continued remediation activities, facing southeast (November 14, 2024).



View of excavation extent during continued remediation activities, facing northwest (November 14, 2024).



APPENDIX D

Field Screening Soil Sample Results Table



## **TABLE A**

FIELD SCREENING SOIL SAMPLE RESULTS
South Hobbs GSA Unit 238004
Oxy USA, Inc.

Eddy County, New Mexico Ensolum Project No. 03B1417171 Incident ID: nAPP2410037098

Sample Designation	Date	Depth (feet bgs)	Chloride Strips Field Screening Results (mg/kg)
New Mexico Oi Criteria for	Chloride 600 mg/kg		
Potho	le Soil Sample Fi	eld Screening Re	sults
PH01	11/13/2024	3	330.4
PHUI	11/14/2024	5	369
PH02	11/13/2024	3	285.6
PH03	11/13/2024	4	285.6
DU04	11/13/2024	3	403.2
PH04	11/14/2024	5	538
PH05	11/13/2024	3	252
DHOS	11/13/2024	4	369.6
PH06	11/14/2024	6	426
DUOZ	11/13/2024	3	420
PH07	11/14/2024	5	476
DUIDO	11/13/2024	3	420
PH08	11/14/2024	5	426
DUIDO	11/13/2024	4	470.4
PH09	11/14/2024	6	426
DUMO	11/13/2024	2	711.2
PH10	11/14/2024	4	426
DUAA	11/13/2024	3	369.6
PH11	11/14/2024	4.5	201
PH12	11/14/2024	2.5	ND
PH13	11/14/2024	3	ND
DU44	11/11/2001	4	667
PH14	11/14/2024	5	476
DUAG	44/44/0004	4	667
PH15	11/14/2024	5	414.4
DUAG	44/44/0004	2.5	476
PH16	11/14/2024	3	369.6
DU47	11/14/2024	4	515.2
PH17	11/15/2024	4.5	515.2



## **TABLE A**

FIELD SCREENING SOIL SAMPLE RESULTS
South Hobbs GSA Unit 238004
Oxy USA, Inc.

Eddy County, New Mexico Ensolum Project No. 03B1417171 Incident ID: nAPP2410037098

Sample Designation	Date	Depth (feet bgs)	Chloride Strips Field Screening Results (mg/kg)			
	New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)					
Potho	le Soil Sample Fi	eld Screening Re	sults			
PH18	11/14/2024	4	767.2			
FIIIO	11/14/2024	5	566.8			
PH19	11/15/2024	3	767.2			
Fills	11/13/2024	5	515.2			
PH20	11/14/2024	4	666.4			
11120	11/14/2024	6	425.6			
PH21	11/15/2024	4	515.2			
FILET	11/15/2024	5	464.8			
PH22	11/15/2024	3	733.6			
FIZZ	11/15/2024	4	515.2			
PH23	11/14/2024	2	ND			
PH24	11/14/2024	3	767.2			
F1124	11/15/2024	4	515.2			
PH25	11/14/2024	3	734			
FTIZS		4	369.6			
PH26	11/14/2024	2	476			
FTIZO	11/14/2024	5.5	369.6			
DUOZ	11/14/2024	3	767.2			
PH27	11/14/2024	5	576.8			
PH28	11/14/2024	2	ND			
DHOO	11/11/2001	3	576.8			
PH29	11/14/2024	4	515.2			
DUO	11/14/2024	3	700			
PH30	11/15/2024	4	319.2			
PH31	11/15/2024	3	364			
PH32	11/14/2024	4.5	280			
DUO	11/11/2001	4	370			
PH33	11/14/2024	5	240.8			



## **TABLE A**

FIELD SCREENING SOIL SAMPLE RESULTS
South Hobbs GSA Unit 238004

Oxy USA, Inc.

Eddy County, New Mexico Ensolum Project No. 03B1417171 Incident ID: nAPP2410037098

Sample Date		Depth (feet bgs)	Chloride Strips Field Screening Results (mg/kg)
New Mexico Oi Criteria for	Chloride 600 mg/kg		
Potho	le Soil Sample Fie	eld Screening Re	sults
DI 10.4	11/14/2024	4	476
PH34		5	476
PH35	11/14/2024	5.5	476
PH36	11/15/2024	3	576.8
F1 150		6	464.8
PH37	11/14/2024	2	ND
PH38	11/14/2024	4	426
PH39	11/14/2024	4.5	426
PH40	11/14/2024	2.5	280
PH41	11/14/2024	3	241
PH42	11/14/2024	3.5	ND

Concentrations in **bold** and yellow exceed the NMOCD Closure Criteria for Soils Impacted by a Release (≤50 feet)

bgs: below ground surface mg/kg: milligrams per kilogram

ND: Non-Detect

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

QUESTIONS

Action 417869

## **QUESTIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

## QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2410037098			
Incident Name	NAPP2410037098 SOUTH HOBBS GSA UNIT 238 @ 30-025-31424			
Incident Type	Produced Water Release			
Incident Status	Remediation Plan Received			
Incident Well	[30-025-31424] SOUTH HOBBS G/SA UNIT #238			

Location of Release Source				
Please answer all the questions in this group.				
Site Name	SOUTH HOBBS GSA UNIT 238			
Date Release Discovered	04/08/2024			
Surface Owner	State			

Incident Details			
Please answer all the questions in this group.			
Incident Type	Produced Water Release		
Did this release result in a fire or is the result of a fire	No		
Did this release result in any injuries	No		
Has this release reached or does it have a reasonable probability of reaching a watercourse	No		
Has this release endangered or does it have a reasonable probability of endangering public health	No		
Has this release substantially damaged or will it substantially damage property or the environment	No		
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No		

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Injection   Produced Water   Released: 2,220 BBL   Recovered: 1,850 BBL   Lost: 370 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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# 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 417869

QUESTI	ONS (continued)
Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Wade Dittrich
I hereby agree and sign off to the above statement	Title: Environmental Coordinator
I hereby agree and sign off to the above statement	Email: wade_dittrich@oxy.com
	Date: 01/07/2025

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## 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 417869

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

## QUESTIONS

Domodiation Dlan

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between 100 and 200 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Please answer all the questions	that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	n plan approval with this submission	Yes
Attach a comprehensive report	demonstrating the lateral and vertical extents of soil contamination	in associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and verti	cal extents of contamination been fully delineated	Yes
Was this release entirely	contained within a lined containment area	No
Soil Contamination Sampli	ng: (Provide the highest observable value for each, in m	illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	767.2
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complete	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
which includes the anticipated t	imelines for beginning and completing the remediation.	
· · · · · · · · · · · · · · · · · · ·		09/05/2024
On what estimated date	imelines for beginning and completing the remediation.	
On what estimated date On what date will (or did)	imelines for beginning and completing the remediation. will the remediation commence	09/05/2024
On what estimated date On what date will (or did) On what date will (or was	imelines for beginning and completing the remediation. will the remediation commence the final sampling or liner inspection occur	09/05/2024 04/07/2025
On what estimated date On what date will (or did) On what date will (or was What is the estimated su	will the remediation commence the final sampling or liner inspection occur the remediation complete(d)	09/05/2024 04/07/2025 04/07/2025
On what estimated date On what date will (or did) On what date will (or was What is the estimated su What is the estimated vo	will the remediation commence the final sampling or liner inspection occur the final sampling or liner inspection occur the remediation complete(d) rface area (in square feet) that will be reclaimed	09/05/2024 04/07/2025 04/07/2025 72743
On what estimated date On what date will (or did) On what date will (or was What is the estimated su What is the estimated so	will the remediation commence the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling occurs the final sampling occurs the final sampling occurs the final sampling occurs the final sampling occurs the final sampling occurs the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur the final sampling or liner inspection occur	09/05/2024 04/07/2025 04/07/2025 72743 8208

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 417869

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

appropriate district office no later than 90 days after the release discovery date.
/ reduce contaminants:
Yes
LEA LAND LANDFILL [fEEM0112342028]
Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade\_dittrich@oxy.com
Date: 01/07/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.

**State of New Mexico** 

QUESTIONS, Page 5

Action 417869

**QUESTIONS** (continued)

**Santa Fe, NM 87505** 

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

QUESTIONS, Page 6

Action 417869

**QUESTIONS** (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	423953	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/29/2025	
What was the (estimated) number of samples that were to be gathered	337	
What was the sampling surface area in square feet	67400	

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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

CONDITIONS

Action 417869

## **CONDITIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	417869
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

## CONDITIONS

C B	reated y	Condition	Condition Date	
1	nvelez	Remediation plan is approved as written except with the following conditions; 1. OXY must complete the excavation and removal of impacted soils until confirmation samples collected from the bottom and sidewalls of the excavation report NMOCD Closure Criteria per 19.15.29.12 NMAC has been achieved. 2. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, OXY must collect a minimum of one (1) 5pcs from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface. 3. OXY has 90-days (April 23, 2025) to submit to OCD its appropriate or final remediation closure report.	1/23/2025	