

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2305855170
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

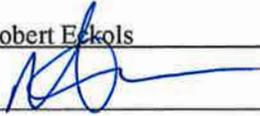
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2305855170
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If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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.

Printed Name: Robert Eckols Title: Vice President Engineering

Signature:  Date: 3/23/2023

email: reckols@extex.net Telephone: 713-953-0824

OCD Only

Received by: Shelly Wells Date: 7/13/2023

Released to Imaging: 10/2/2023 2:28:46 PM

Received by OCD: 7/12/2023 6:01:10 AM

Incident ID	nAPP2305855170
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Robert Eckols Title: Vice President Engineering

Signature:  Date: 5/23/2023

email: reckols@extex.net Telephone: 713-953-0824

OCD Only

Received by: Shelly Wells Date: 7/13/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Released to Imaging: 10/2/2023 2:28:46 PM

Received by OCD: 7/12/2023 6:01:10 AM

Extex Operating Company

1616 S Voss Road, Suite 400

Houston, Texas 77057

Phone Number: 713-953-0824

Authorized Representative: Robert Eckols

Site Contact: Greg Skiles (575-602-5862)



Bond Lease

Site Assessment – Characterization & Remediation Plan

Lea County, New Mexico

Latitude: N 33.52246°

Longitude: W 103.37540°

Bond Lease – Site Assessment – Characterization & Remediation Plan

2023

1.0 FACILITY OR SPILL SITE CHARACTERIZATION

Water District #2	UNIT LETTER	SECTION	TOWNSHIP	RANGE	COUNTY
Roswell, NM	H	20	09S	35E	LEA
LOCATION AND ACCESS TO FACILITY					
	Facility Owner/Operator:			Extex Operating	
	Land Owner:			Charles Jay Kinsolving	
	GPS coordinate of oil & chloride spill:			N 33.529708°	
	GPS coordinate of oil & chloride spill:			W 103.375206°	
	Facility GPS coordinate production well #1:			N 33.52246°	
	Facility GPS coordinate production well #1:			W 103.37540°	
	Driving directions from nearest city to spill:			Tatum, New Mexico: From the intersection of Highway 380 and Highway 206 in Tatum, New Mexico, travel north on Highway 206 for 18 miles. At Carrol Road, exit left and proceed west for 2 miles. At the cattle guard on the north side of road, exit right and travel .64 miles to spill site.	
	Spill physical location from Carrol Road:			The spill is located .64 miles from the center of Carrol Road to production facility.	
	County, State:			Lea County, New Mexico	
	Type of facility or site description:			Onshore oil and natural gas production well.	
	What is the main access road to facility?			Carrol Road	
	Where is the closest marked intersection?			Highway 206 and Carrol Road	
	What is the composition of lease road?			Earthen Material & Caliche	
	What is the condition of lease road?			Good	
	Is there a gate at the entrance?			Yes	
	Is the gate open or locked?			Open	
	If locked, key or combination; list #			N/A	
	Gate Entrance GPS Latitude:			N 33.512193°	
	Gate Entrance GPS Longitude:			W 103.374366°	
	Is there signage at the gate or entrance?			Yes	
	What is the condition of the signage?			Good	
	Facility Elevation:			4171'	
	How was the spill caused?			Flow line break from the gun-barrel to the storage tanks; oil spray area due to high winds.	
	Spill area description:			The spill area is approximately 282 feet by 52 feet.	
	Adjacent land to this facility is used for:			Open Rand & Oil Production	
	The terrain for this facility is:			Flat	

	Spillage direction of flow:	South to Southeast
	LOCATION AND FACILITY NOTES:	None

2.0 FACILITY AND SPILL SITE ASSESSMENT

2.0 FACILITY AND SPILL SITE ASSESSMENT

On March 7, 2023, COMM Engineering conducted an initial site assessment. The inspector found oil and chloride spillage immediately south and southeast of the containment area, with light oil spray to the east and southeast. There was also oil and chloride spillage throughout the containment area, around the gun-barrel and storage tanks.

PHOTO #1; CONTAINMENT AREA:



Along with the spill within containment, oil and produced water flowed over the southeast corner of the containment system and pooled outside the southeast corner, and flowed east for 90 feet. (See Photo #2)

Also, due to high winds on the day of the spill, light oil and produced water sprayed in various directions up to 150-feet from the initial spill release area. (See Photo #3)

PHOTO #2; OUTSIDE THE CONTAINMENT AREA:

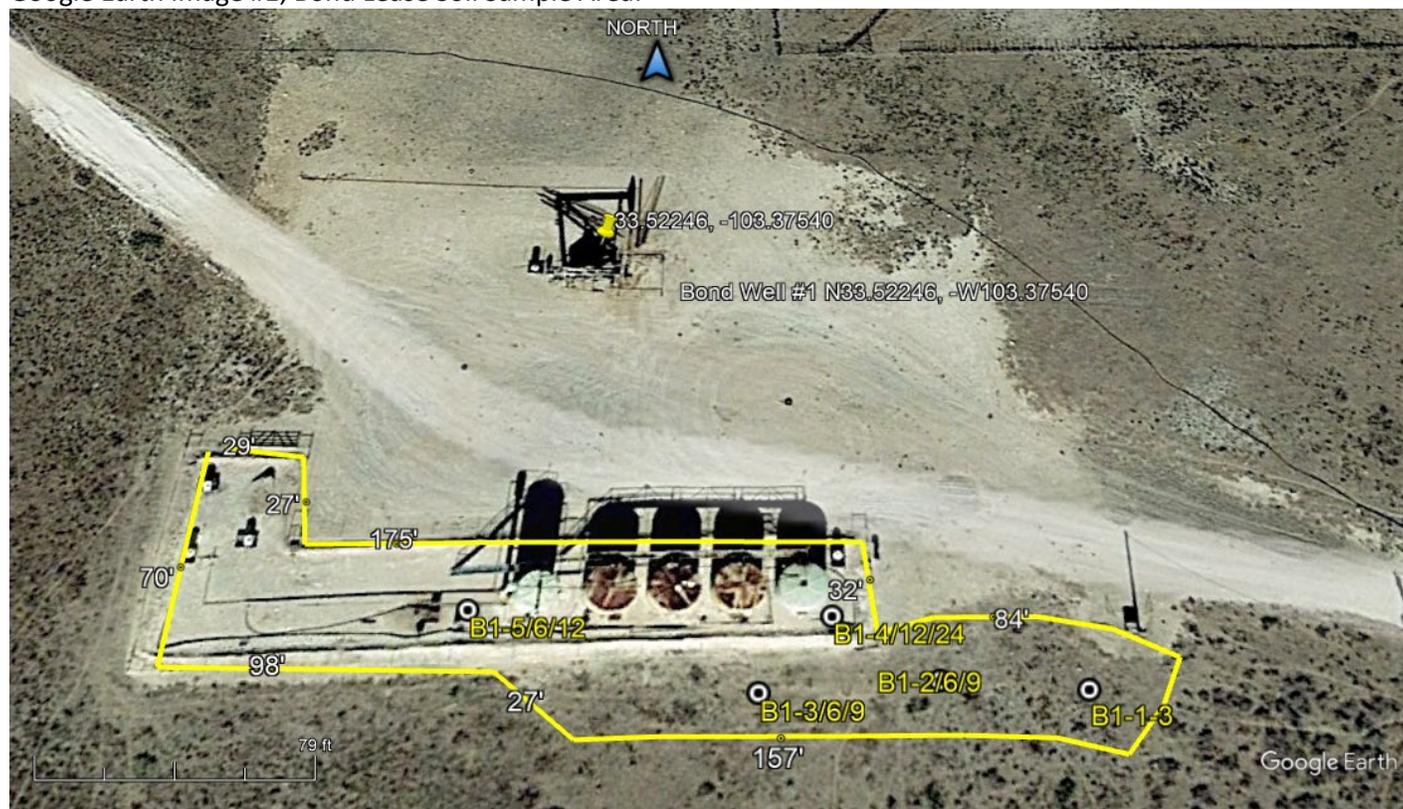


PHOTO #3; LIGHT OIL SPRAY OUTSIDE THE CONTAINMENT AREA:



After inspecting the degree of spillage, a series of hand-augured soil bores were completed (B1-1-03 to B1-5-12) within the release spill areas. There were (9) samples collected and taken to Cardinal Labs in Hobbs, New Mexico, for analytical testing.

Google Earth Image #1; Bond Lease Soil Sample Area:



BOND LEASE – SOIL SAMPLE AREA & GPS COORDINATES

TEST BORE #	TEST BORE DEPTH	GPS LOCATION N	GPS LOCATION W
B1-1-3	3-Inches	33.522005	103.374911
B1-2-6	6-Inches	33.522012	103.375053
B1-2-9	9-Inches	33.522012	103.375053
B1-3-6	6-Inches	33.522	103.375226
B1-3-9	9-Inches	33.522	103.375226
B1-4-12	12-Inches	33.522065	103.375153
B1-4-24	24-Inches	33.522065	103.375153
B1-5-6	6-Inches	33.522070	103.375507
B1-5-12	12-Inches	33.522070	103.375507

PHOTO #4; TEST BORE EXAMPLE #3:



PHOTO #5; TEST BORE EXAMPLE #5:



BOND LEASE – SOIL SAMPLE RESULTS					
TEST BORE #	TEST BORE DEPTH	BENZENE (mg/kg)	BTEX (mg/kg)	CHLORIDE (mg/kg)	TPH (mg/kg)
B1-1-3	3-Inches	<0.050	<0.300	16	26.1
B1-2-6	6-Inches	<2.000	76.3	144	27600
B1-2-9	9-Inches	2.34	90.4	48	13500
B1-3-6	6-Inches	2.32	74.7	9860	12700
B1-3-9	9-Inches	<0.050	1.89	4200	942
B1-4-12	12-Inches	0.254	3.04	31200	5500
B1-4-24	24-Inches	<0.050	6.15	9730	1610
B1-5-6	6-Inches	<0.050	0.357	24800	2210
B1-5-12	12-Inches	0.051	1.12	34400	8700

3.0 WATER SOURCES AND GROUNDWATER DEPTH NEAR SPILL SITE

A search of groundwater and water depth databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted to determine the horizontal distance to known water sources within a half-mile radius of the site. Probable groundwater depth was determined using data generated by numeric models based on available water well data, published information, and a site specific depth to water boring. Depth to groundwater information is provided in the attachments.

We will be using the standards of Closure Criteria for Soil Impacted by Release, where the water table is 51-100 feet, as defined in Table 1; 19.15.29 NMAC.

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
51 to 100 feet	Chloride***	EPA 300.0 or SM4500 C1 B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BETX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

4.0 PROPOSED REMEDIATION PLAN AND TIMELINE

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, Extex Operating Company, Inc. proposes the following remediation activities:

- Utilizing heavy equipment and labor to excavate and remove the contaminated soil from the area south and southeast of the release point.
- Scrap and remove the surface oil spray in all areas impacted by wind-blown oil spillage.
- Use said heavy equipment to excavate where possible within containment and utilize manual labor to dig and remove contaminated soil from around the storage tanks and flow lines within containment.
- The estimated 135 cubic yards of excavated contaminated soil will be removed from the spill site and transported to a licensed soil disposal facility. No contaminated soil will be stockpiled at the location after final remediation.
- After excavation, the impacted area will be sampled to determine whether all NMOCD thresholds have been adhered to. Therefore, we respectfully request the ability to collect soil samples every 500 square feet for composite samples and 400 square feet for sidewall samples.
- All sidewalls and off-pad activities will be remediated to 600 mg/kg for chlorides and 100 mg/kg for TPH.
- Remediation activities are expected to be completed within 90 days of receiving the necessary approval of this Site Assessment – Characterization and Remediation Plan.

5.0 BACKFILL, RESTORATION, AND REVEGATATION PLAN

- After the contaminated areas have been fully tested and remediated, caliche or a similar base product will be used to backfill all excavated areas within containment.
- Said caliche will be used to reconstruct the containment system around the storage tanks.
- Outside containment, all areas will be backfilled and restored with “Native” soil only; either purchased from the landowner or from a location providing similar material.
- All excavated areas outside containment will be compacted and prepared for re-seeding the affected areas.
- No contaminated soil will be left on site and no stockpiles of caliche will be stored.

6.0 CONFINES

COMM Engineering, to be known as COMM has prepared this Site Assessment Report and Proposed Remediation Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. COMM has examined and relied upon documents reference in the report and on oral statements made by certain individuals. COMM has not conducted an independent examination of the facts contained in referenced materials and statements. COMM has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. COMM notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. This report has been prepared for the benefit of Extex Operating Company, Inc. Use of the information contained in this report is prohibited without the consent of COMM and/or Extex Operating Company, Inc.

This Site Assessment-Characteristic and Remediation Plan will be kept at the office for a minimum of five (5) years.

Inspected, sampled, and survey performed by:



Signature

Kevin L. Robinson, CESCO, ESP-E, FLIR1, NORM CERTIFIED
Field Inspector

ATTACHMENTS:

- (1) Cardinal Labs – Analytical Soil Data
101 E. Marland Street
Hobbs, New Mexico 88240
PH: 575-393-2326

- (2) Topographic Map

- (3) Aerial Proximity Map

- (4) Depth to Groundwater Information



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 14, 2023

KEVIN ROBINSON

COMM ENGINEERING

1319 W. PINHOOK, SUITE 400

LAFAYETTE, LA 70503

RE: BOND LEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/07/23 14:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 1 - 3" (H231030-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	
Toluene*	<0.050	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	1.81	
Total BTEX	<0.300	0.300	03/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/09/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2023	ND	191	95.3	200	4.30	
DRO >C10-C28*	26.1	10.0	03/09/2023	ND	188	93.9	200	5.23	
EXT DRO >C28-C36	24.8	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 2 - 6" (H231030-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/09/2023	ND	1.95	97.7	2.00	1.62	GC-NC1
Toluene*	18.1	2.00	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	5.88	2.00	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	52.4	6.00	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	76.3	12.0	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/09/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	12900	50.0	03/09/2023	ND	191	95.3	200	4.30		
DRO >C10-C28*	27600	50.0	03/09/2023	ND	188	93.9	200	5.23		
EXT DRO >C28-C36	1210	50.0	03/09/2023	ND						

Surrogate: 1-Chlorooctane 686 % 48.2-134

Surrogate: 1-Chlorooctadecane 466 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To:

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Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 2 - 9" (H231030-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.34	1.00	03/09/2023	ND	1.95	97.7	2.00	1.62	GC-NC1
Toluene*	23.4	1.00	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	6.87	1.00	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	57.8	3.00	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	90.4	6.00	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/09/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	7560	50.0	03/09/2023	ND	191	95.3	200	4.30		
DRO >C10-C28*	13500	50.0	03/09/2023	ND	188	93.9	200	5.23		
EXT DRO >C28-C36	557	50.0	03/09/2023	ND						

Surrogate: 1-Chlorooctane 423 % 48.2-134

Surrogate: 1-Chlorooctadecane 219 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 3 - 6" (H231030-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.32	1.00	03/09/2023	ND	1.95	97.7	2.00	1.62	GC-NC1
Toluene*	21.3	1.00	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	5.39	1.00	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	45.7	3.00	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	74.7	6.00	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	03/09/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	5660	50.0	03/09/2023	ND	191	95.3	200	4.30		
DRO >C10-C28*	12700	50.0	03/09/2023	ND	188	93.9	200	5.23		
EXT DRO >C28-C36	554	50.0	03/09/2023	ND						

Surrogate: 1-Chlorooctane 349 % 48.2-134

Surrogate: 1-Chlorooctadecane 432 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 3 - 9" (H231030-05)

BTEX 8021B		mg/kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	
Toluene*	0.334	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	0.247	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	1.31	0.150	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	1.89	0.300	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	03/09/2023	ND	448	112	400	3.64	QM-07

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	176	10.0	03/09/2023	ND	191	95.3	200	4.30	
DRO >C10-C28*	942	10.0	03/09/2023	ND	188	93.9	200	5.23	
EXT DRO >C28-C36	39.2	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 4 - 12" (H231030-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.254	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	GC-NC1
Toluene*	0.198	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	0.253	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	2.33	0.150	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	3.04	0.300	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	03/09/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	303	50.0	03/09/2023	ND	191	95.3	200	4.30		
DRO >C10-C28*	5500	50.0	03/09/2023	ND	188	93.9	200	5.23		
EXT DRO >C28-C36	836	50.0	03/09/2023	ND						

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 183 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 4 - 24" (H231030-07)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	
Toluene*	0.918	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	0.578	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	4.65	0.150	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	6.15	0.300	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 164 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	03/09/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	543	10.0	03/09/2023	ND	191	95.3	200	4.30	
DRO >C10-C28*	1610	10.0	03/09/2023	ND	188	93.9	200	5.23	
EXT DRO >C28-C36	58.5	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 5 - 6" (H231030-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	
Toluene*	0.081	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	0.276	0.150	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	0.357	0.300	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	03/09/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.9	10.0	03/09/2023	ND	191	95.3	200	4.30	
DRO >C10-C28*	2210	10.0	03/09/2023	ND	188	93.9	200	5.23	
EXT DRO >C28-C36	191	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	03/07/2023	Sampling Date:	03/07/2023
Reported:	03/14/2023	Sampling Type:	Soil
Project Name:	BOND LEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	14 MILE NW OF TATUM, NM		

Sample ID: B 1 - 5 - 12" (H231030-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	GC-NC1
Toluene*	0.247	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	0.101	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	0.718	0.150	03/09/2023	ND	6.08	101	6.00	1.81	GC-NC1
Total BTEX	1.12	0.300	03/09/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34400	16.0	03/09/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	112	50.0	03/09/2023	ND	191	95.3	200	4.30		
DRO >C10-C28*	8700	50.0	03/09/2023	ND	188	93.9	200	5.23		
EXT DRO >C28-C36	706	50.0	03/09/2023	ND						

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 271 % 49.1-148

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: CDM ENGINEERING P.O. #: _____
 Project Manager: KEVIN ROBINSON Company: _____
 Address: 1319 W. PINHOLE, SUITE 400 Attn: _____
 City: Albuquerque State: CA Zip: 70505 Address: _____
 Phone #: 405520-2069 Fax #: _____ City: _____ State: _____ Zip: _____
 Project #: _____ Project Owner: EXPEX OF.
 Project Name: BOND LEASE Phone #: _____
 Project Location: 14 miles NW of THULM, NM Fax #: _____
 Sampler Name: K. Robinson Matrix: _____
 FOR LAB USE ONLY: _____ PRESERV: _____ SAMPLING: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
<u>H231030</u>	<u>B1-1-3"</u>	<u>-</u>	<u>1</u>			<u>X</u>					<u>8/23</u>	<u>10:06A</u>	<u>TPH + chloride only</u>
	<u>B1-2-6"</u>	<u>-</u>	<u>1</u>			<u>X</u>							<u>BTEX</u>
	<u>B1-2-9"</u>	<u>-</u>	<u>1</u>			<u>X</u>							
	<u>B1-3-6"</u>	<u>-</u>	<u>1</u>			<u>X</u>							
	<u>B1-3-9"</u>	<u>-</u>	<u>1</u>			<u>X</u>							
	<u>B1-4-12"</u>	<u>-</u>	<u>1</u>			<u>X</u>							
	<u>B1-4-24"</u>	<u>-</u>	<u>1</u>			<u>X</u>							
	<u>B1-5-6"</u>	<u>-</u>	<u>1</u>			<u>X</u>							
	<u>B1-5-12"</u>	<u>-</u>	<u>1</u>			<u>X</u>							

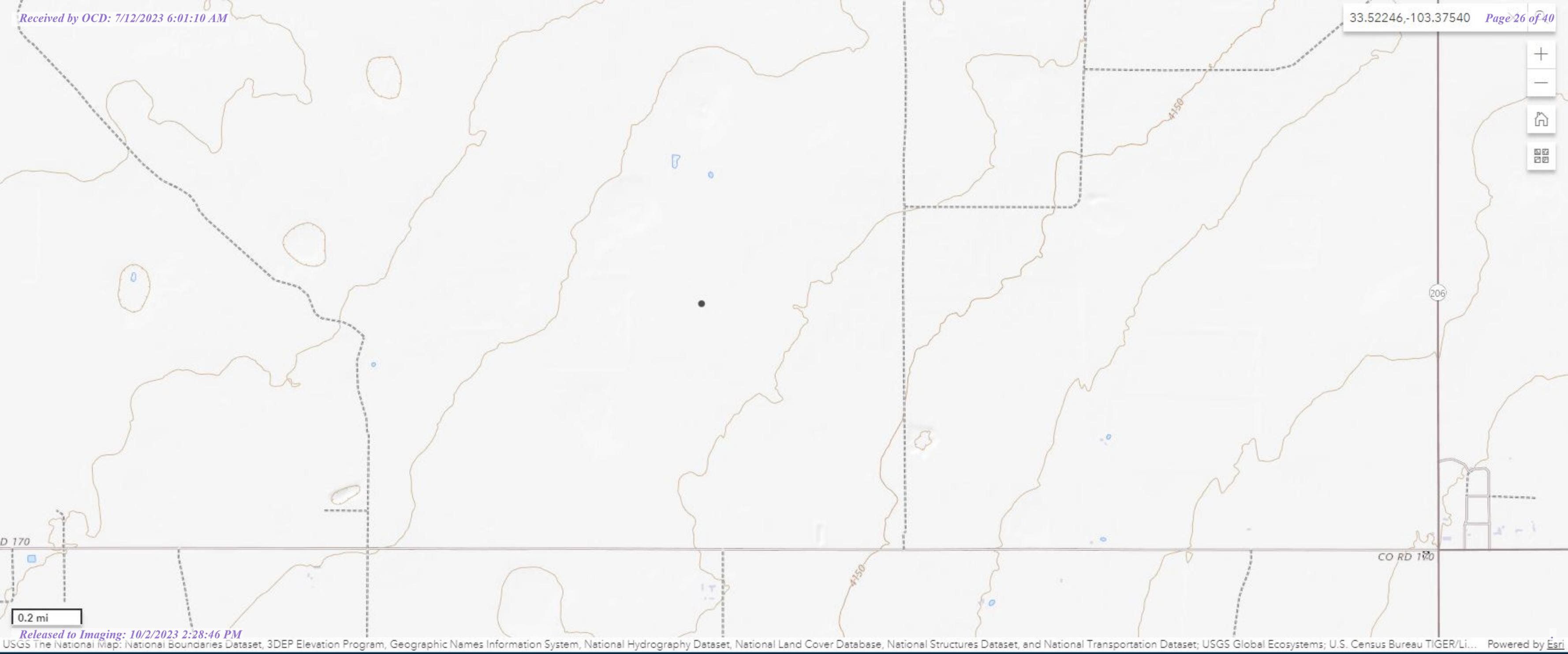
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Relinquished By: Kevin Robinson Date: 8/8/23 Time: 1438 Received By: Spodeigery
 Reclaimed By: _____ Date: _____ Time: _____ Received By: _____

Delivered By: (Circle One) Observed Temp. °C: 3.5c Sample Condition: Cool Intact CHECKED BY: [Signature]
 Corrected Temp. °C: 4.9c Cool Yes No Intact Yes No
 Sampler - UPS - Bus - Other: _____

REMARKS: * customer added BTEX to analysis
Spodeigery 8/8/23

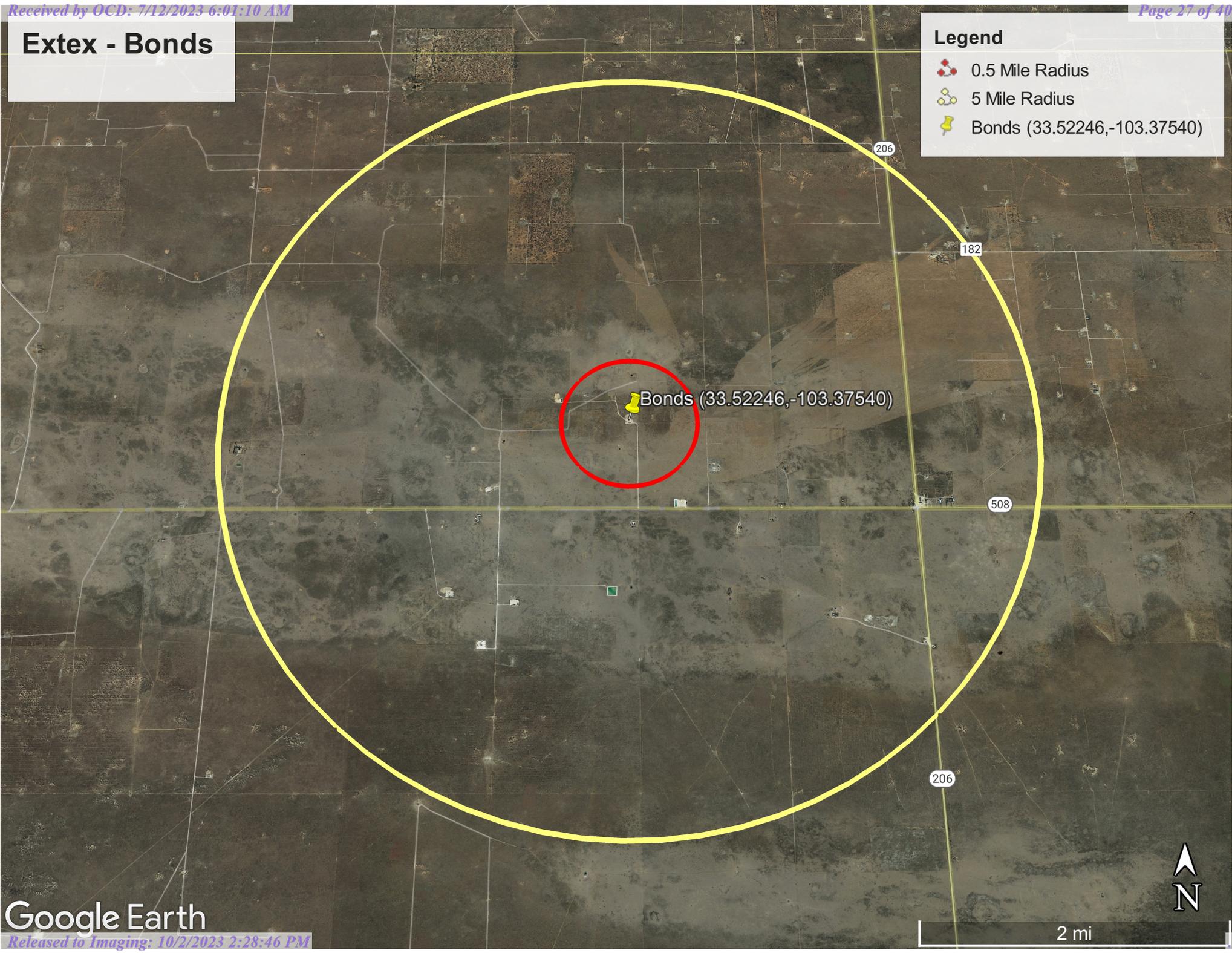
Turnaround Time: _____ Standard Rush
 Thermometer ID #113 Bacteria (only) Cool Intact
 Correction Factor -0.6°C Yes No No No
 All Results are emailed. Please provide Email address: _____ Add'l Phone #: _____



Extex - Bonds

Legend

-  0.5 Mile Radius
-  5 Mile Radius
-  Bonds (33.52246,-103.37540)





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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 14254 POD1	L	LE		1	4	1	27	09S	35E	653241	3708776	2822	240	137	103
L 11998 POD1	L	LE		3	3	2	07	09S	35E	648592	3713286	3749	200		
L 12426 POD1	L	LE		1	4	1	19	09S	36E	657911	3710545	7042	156		

Average Depth to Water: **137 feet**

Minimum Depth: **137 feet**

Maximum Depth: **137 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 650871.91

Northing (Y): 3710309.51

Radius: 8046.7

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
L	14254 POD1	1	4	1	27	09S	35E	653241	3708776

Driller License: 1719	Driller Company: GLENN'S WATER WELL SERVICE	
Driller Name: GLENN, TRAVIS		
Drill Start Date: 04/04/2017	Drill Finish Date: 04/04/2017	Plug Date:
Log File Date: 04/13/2017	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 50 GPM
Casing Size: 6.00	Depth Well: 240 feet	Depth Water: 137 feet

Water Bearing Stratifications:	Top	Bottom	Description
	138	165	Sandstone/Gravel/Conglomerate
	204	218	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	130	239

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/9/23 8:49 AM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 333031103211701

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 333031103211701 09S.35E.22.333343

Lea County, New Mexico
Latitude 33°30'45", Longitude 103°21'20" NAD27
Land-surface elevation 4,136.00 feet above NGVD29
The depth of the well is 156 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1930-07-17			D 62610		3986.00	NGVD29	1	Z		
1930-07-17			D 62611		3987.62	NAVD88	1	Z		
1930-07-17			D 72019	150.00			1	Z		
1954-05-15			D 62610		4023.70	NGVD29	1	Z		
1954-05-15			D 62611		4025.32	NAVD88	1	Z		
1954-05-15			D 72019	112.30			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-03-09 11:37:40 EST

0.28 0.24 nadww02



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

July 11, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record L-15490 POD-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, L-15490 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). L-15490		
	WELL OWNER NAME(S) Extex Operating Company				PHONE (OPTIONAL) 281-798-8541		
	WELL OWNER MAILING ADDRESS 1616 S. Voss Road, Suite, 400				CITY Houston	STATE TX	ZIP 77057
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 33	SECONDS 31	20.54	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	103	22	30.06	* DATUM REQUIRED: WGS 84	

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE
NE Se NE Sec. 20 T09S R35E, NMPM

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 6/21/2023	DRILLING ENDED 6/21/2023	DEPTH OF COMPLETED WELL (FT) Temporary Well Material	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/26/2023		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.	POD NO.		TRN NO.		
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		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)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	35	35	Caliche, semi-consolidated ,Off white	Y ✓ N	
	35	40	5	Sand , fine-grained poorly graded, well cemented, Tan	Y ✓ N	
	40	55	15	Sand, fine-grained, poorly graded, Tan	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	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.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. <div style="text-align: right; color: blue;">OSE 011 JUL 11 2023 PM1:10</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: L-15490
Well owner: Extex Operating Company Phone No.: 281-798-8541
Mailing address: 1616 S. Voss Road, Suite, 400
City: Houston State: Texas Zip code: 77057

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge
- 4) Date well plugging began: 6/26/2023 Date well plugging concluded: 6/26/2023
- 5) GPS Well Location: Latitude: 33 deg, 31 min, 20.54 sec
Longitude: 103 deg, 22 min, 30.06 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/20/2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-55'	Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	

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MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jackie D. Atkins

Signature of Well Driller

7/11/2023

Date

2023-07-11-L-15490-Log-packet-forsign

Final Audit Report

2023-07-11

Created:	2023-07-11
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA0viwGF68b6VtNEjsBWdd3tJm-5Pd9DlW

"2023-07-11-L-15490-Log-packet-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-07-11 - 4:57:07 PM GMT- IP address: 24.52.18.211
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-07-11 - 4:59:08 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-07-11 - 5:36:30 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-07-11 - 5:37:32 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-07-11 - 5:37:32 PM GMT

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From: [Nobui, Jennifer, EMNRD](#)
To: [Ethan McMahon](#)
Cc: [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 200331
Date: Wednesday, May 3, 2023 11:22:59 AM
Attachments: [image001.png](#)

Hello Ethan

Your due date was May 30, 2023. OCD approves a 90-day extension request to August 31, 2023 to submit a remediation plan or closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Ethan McMahon <ermcmahon@commengineering.com>
Sent: Wednesday, May 3, 2023 6:33 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 200331

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Jennifer,

We have decided to proceed with drilling to determine the depth of groundwater. I am working with our drilling company to determine an adequate schedule. Can we receive a 90-day deadline extension? The site does not threaten human health, the surface environment, or the groundwater table.

Thanks,

Ethan McMahon | Environmental Engineer

COMM Engineering
1319 W. Pinhook Road, Ste 401 | Lafayette, LA 70503
Office: 337.237.4373 ext 101
Cell: 318.347.0463



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, April 28, 2023 11:02 AM
To: Ethan McMahon <ermcmahon@commengineering.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 200331

To whom it may concern (c/o Ethan McMahon for Extex Operating Company),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2305855170, for the following reasons:

- **Remediation Plan Denied. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Release has not been sufficiently delineated. Please list all TPH components and include total TPH concentrations (see Table 1 19.15.29 NMAC). Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Please resubmit a revised Remediation Plan by May 30, 2023.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 200331.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

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

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

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

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

CONDITIONS

Action 238834

CONDITIONS

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 238834
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. Remediation Due date is updated to January 2, 2024.	10/2/2023