RANGER
ENVIRONMENTAL SERVICES, LLC

SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

LANGLIE MATTIX PENROSE SAND UNIT #604 FLOWLINE
32.36225, -103.15252
UNIT K, SECTION 27, T22S-R37E
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT ID #nAPP2436651000

PREPARED FOR:

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UNIT K, SECTION 27, T22S-R37E
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT ID# nAPP2436651000

1.0 SITE LOCATION AND BACKGROUND

The Langile Mattix Penrose Sand Unit #604 Flowline (Site) is located on private property, approximately 23.3 miles south of Hobbs, within Lea County, New Mexico. The Site is situated in Unit K, Section 27, T22S-R37E at approximate GPS coordinates 32.36225, -103.15252.

On December 30, 2024, a release originating from an aboveground flowline associated with the Langlie Mattix Penrose #604 well was discovered. Based on the observed impacts, an estimated total of 14 barrels (bbls) of produced water and two bbls of oil were released. Upon discovery, the flowline was taken out-of-service and emergency response efforts were initiated. During the response efforts, a vacuum truck was dispatched to the location and was successful in the recovery of approximately 11 bbls of produced water and one bbl of oil. Due to the nature and volume of the release, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) on December 31, 2024.

To address the impacts from the release, representatives of Team Operating, LLC (Team Operating) initiated remedial activities at the Site with the target of completing remediation within 90 days and submitting a closure request in accordance with New Mexico Administrative Code (NMAC) 19.15.29. However, due to Site conditions and various logistical delays, completion of remedial efforts within the 90-day time frame was not achieved. On March 27, 2025, Team Operating requested and was granted NMOCD approval for a 30-day extension to allow for the completion of Site activities. Due to on-going logistical delays, and recently discovered site characterization details, remedial operations could not be completed within the estimated time frame.

In March 2025, Team Operating retained Ranger Environmental Services, LLC (Ranger) to assist in the completion of remedial efforts at the Site. The following *Site Characterization and Proposed Remediation Plan* has been prepared to provide full characterization details for the Site, provide an update to the on-going remedial efforts, and propose additional remedial efforts to address impacts from the release.

A T*opographic Map* and *Area Map* depicting the location of the Site and surrounding areas, and Site Maps illustrating Site features and sampling locations, are included in the *Figures* section.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, numerous water wells were reported to be located within a half-mile of the Site. Additionally, numerous wells were reported to be within 1,000 feet of the subject release location.

In order to investigate the presence of the well locations and determine if wells are located within 1,000 feet of the release location and area impacted by the release, on April 14, 2025, Ranger personnel completed field reconnaissance at the Site. During the investigation, the area within 1,000 feet of the subject release was reviewed and inspected for presence of water wells. Due to the presence of a fenced oil and gas processing facility to the east, and lack of property access permission, the inspection located within the facility boundaries was limited to visual inspection from areas available to Ranger personnel. During the reconnaissance, numerous groundwater monitoring wells were observed within 1,000 feet of the subject area. However, no water wells for domestic, livestock, or industrial use were observed within 1,000 feet of the subject area. The observed monitor wells appear to be associated with a groundwater impact/abatement project associated with the nearby processing facility ("Eunice South Gas Plant," Incident ID nATUOfGP000685) located west of the subject release location. The most recent available groundwater elevation gauging data for the site from the 2023 sampling activities contained depth-to-groundwater values ranging from approximately 36.46 to 60.21 feet, with an average depth of approximately 51.85 feet. Information available for the monitor wells in closest proximity to the release location (well IDs MW-6 and MWD-13) document that depth-to-groundwater for the immediate area ranges from approximately 49.40 to 49.65 feet.

Based on the reviewed information, Ranger estimates that depth to groundwater in the immediate vicinity of the release location is approximately 49.50 feet below ground surface (bgs).

Copies of the reviewed depth-to-groundwater information is attached.

2.2 Wellhead Protection Area

Based upon the USGS and NMOSE well records, field reconnaissance activities, and monitor well location information for the adjacent abatement incident (Incident ID nATUOfGP000685), no water wells designated for domestic, livestock, agricultural or industrial purposes appear to be located within a half-mile of the release. Additionally, no water known water sources are located within a half-mile of the release.

Upon review of the National Wetland Inventory, the impacted area does not lie within 300 feet of a mapped feature.

The Site is situated within a Federal Emergency Management Act (FEMA) designated *Flood Zone D* area, characterized as "Areas with possible but undetermined flood hazards."

The Site area is within an area of "Low Karst" probability.

Based upon available online resources, no significant water courses are located within a half-mile of the site.

2.3 Proposed Closure Criteria

Based upon the Site characterization details, and per NMAC 19.15.29.12, Site remedial efforts will target the Table 1 19.15.29.12 NMAC Table 1 (groundwater ≤50) criteria (Table 1 Closure Criteria). Additionally, the remediation activities were conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation Criteria (Restoration Criteria) detailed in NMAC 19.15.29.13. The regulatory criteria are summarized below:

PROPOSED CLEANUP CRITERIA

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100[1]	50[1]	10[1]

All Values Presented in Parts Per Million (mg/Kg)

1. *Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.*

3.0 SITE REMEDIATION AND CONFIRMATION SAMPLING UPDATE

3.1 Remediation Update

To address the impacts associated with the release incident, remedial soil removal operations were initiated at the Site. Upon completion of the initial removal operations, an irregularly shaped area was excavated to maximum dimensions of approximately 180 feet by 58.5 feet and to depths varying from approximately two feet to a maximum depth of approximately six and a half feet bgs.

On February 6, 2025, representatives of Team Operating collected initial confirmation soil samples in the excavated areas. During the assessment, samples were collected from various locations along the excavation base and excavation side walls in accordance with NMAC 19.15.29.12 The confirmation soil samples were collected as five-part composite samples in accordance with NMAC 19.15.29.12 with each sample representing less than 200 square feet. A total of 11 confirmation soil samples were collected from the primary excavation area side walls and 25 samples were collected from the excavation base area for laboratory analysis.

Upon collection, the soil samples were submitted to Cardinal Laboratories, in Hobbs, New Mexico, for analysis of total petroleum hydrocarbons (TPH) using Environmental Protection Agency (EPA) Method 8015; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021; and, total chloride using Method SM 4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the soil sample analytical results, elevated TPH and chloride concentrations elevated above the applicable Table 1 Criteria and Reclamation Criteria, detailed above, were documented in 28 of the 36 soil samples.

It should be noted that during the initial removal operations, precursory review of the available site characterization information led remedial efforts to target the less stringent NMAC 19.15.29.12 Table 1 Depth-to-groundwater 51'-100' criteria. However, as detailed above, further review completed by Ranger personnel discovered more appropriate information thus leading to altered remedial goals, detailed below.

The initial confirmation soil sample analytical results are summarized in the attached table. A copy of the laboratory analytical report and chain-of-custody documentation is included in Attachment 3. A site map depicting the excavated areas and confirmation sample location is included in the *Figures* section.

4.0 PROPOSED REMEDIATION PLAN

4.1 Additional Soil Removal

In order to address the remaining soil impacts associated with the release, additional soil removal activities will be completed at the Site. As of this submittal of this report, additional removal operations are on-going at the Site with the goal of remediating the soil to meet the 19.15.29.12 NMAC Table 1 (groundwater ≤50) criteria.

During the soil removal process, soil from the excavation floor and side walls will be evaluated using both an organic vapor monitor (OVM) and field chloride titration kit. The field screening results will be utilized to guide the excavation process and qualitatively determine when all soils exceeding Table 1 Criteria/Restoration Criteria have been removed.

At such point in time that the field screening activities indicate that the excavation has been completed to appropriate boundaries, cleanup confirmation soil samples will be collected for laboratory analysis. The samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet. The sample parts will be collected from various locations and depths along the excavation side walls and base. Upon collection, the composite sample parts will be placed into a new Ziploc® bag, thoroughly mixed, and a sample for laboratory analysis will be collected from the mixture.

Based on the cleanup confirmation soil sample results, if any area is found to remain in exceedance of the proposed cleanup criteria, the area will be further over excavated and additional cleanup confirmation soil samples will be collected. Prior to the collection of all cleanup confirmation soil samples, a minimum 48-hour notice will be provided to the NMOCD.

All cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle containing ice. The samples will be transported to an approved laboratory for analysis of TPH, BTEX, and total chloride using NMOCD approved laboratory methodologies.

4.2 Excavation Backfill and Re-Vegetation

Upon attainment of the Table 1 Criteria and Reclamation Criteria, the excavated area will be backfilled to grade with clean fill material in accordance with NMAC 19.15.29.13. The area will be re-vegetated with an appropriate seed mixture.

4.3 Remediation Schedule

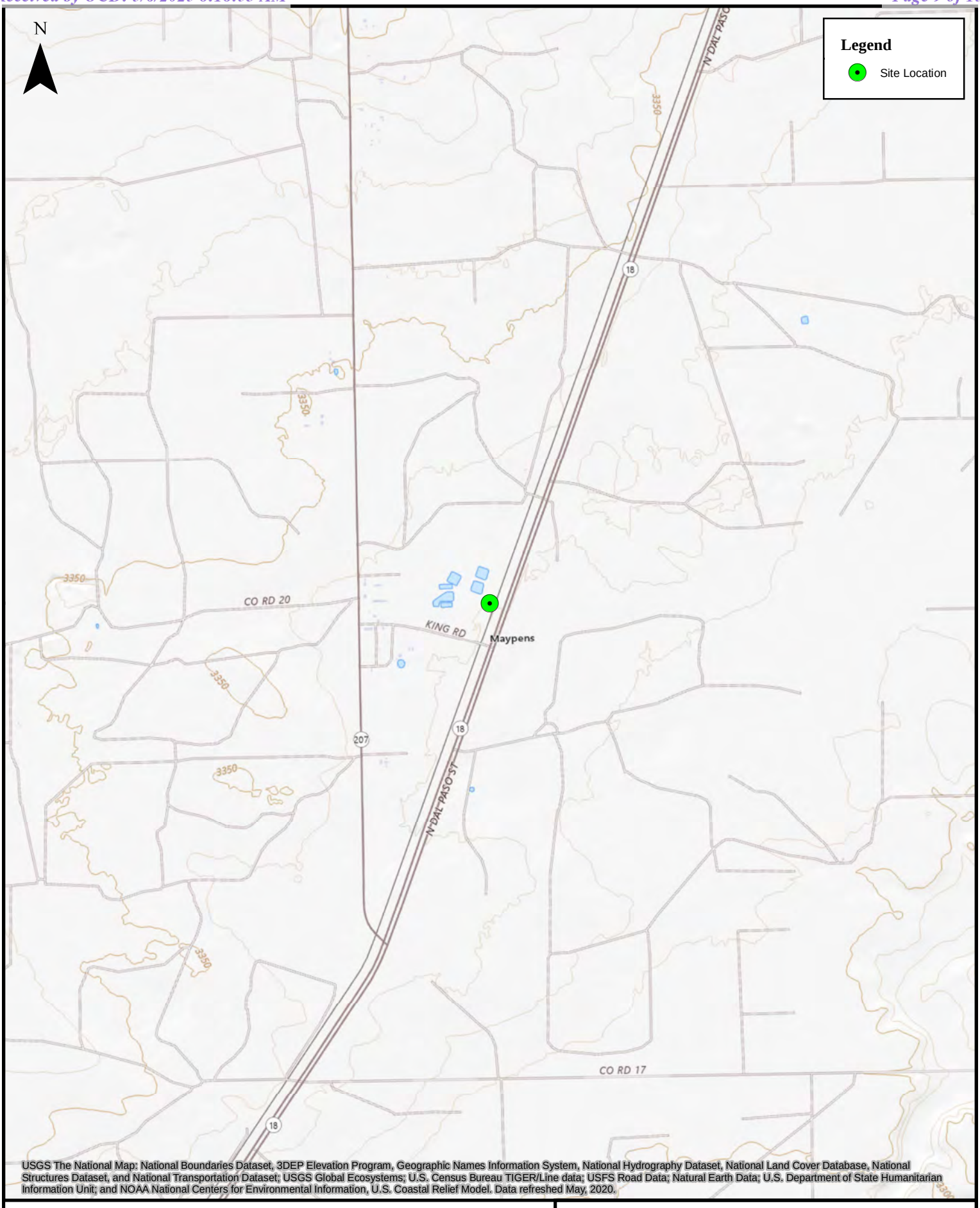
As referenced above, the necessary remedial soil removal operations are currently on-going at the Site. It is anticipated that the soil removal operations and cleanup confirmation soil sampling activities will be completed within 90 days of this report.

5.0 SITE CLOSURE

Upon completion of the remedial and backfilling activities at the Site, a Closure Report will be prepared submitted to the NMOCD, and site closure will be requested once all Table 1 and Reclamation Criteria are met. The Closure Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12(E).

FIGURES

Topographic Map
Area Map
DTGW Information Location Map
NMOCD Incident #nATUOfGP000685 Site Map
National Wetland Inventory Map
Karst Topography Map
Excavation Area and Confirmation Sample Location Map



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.

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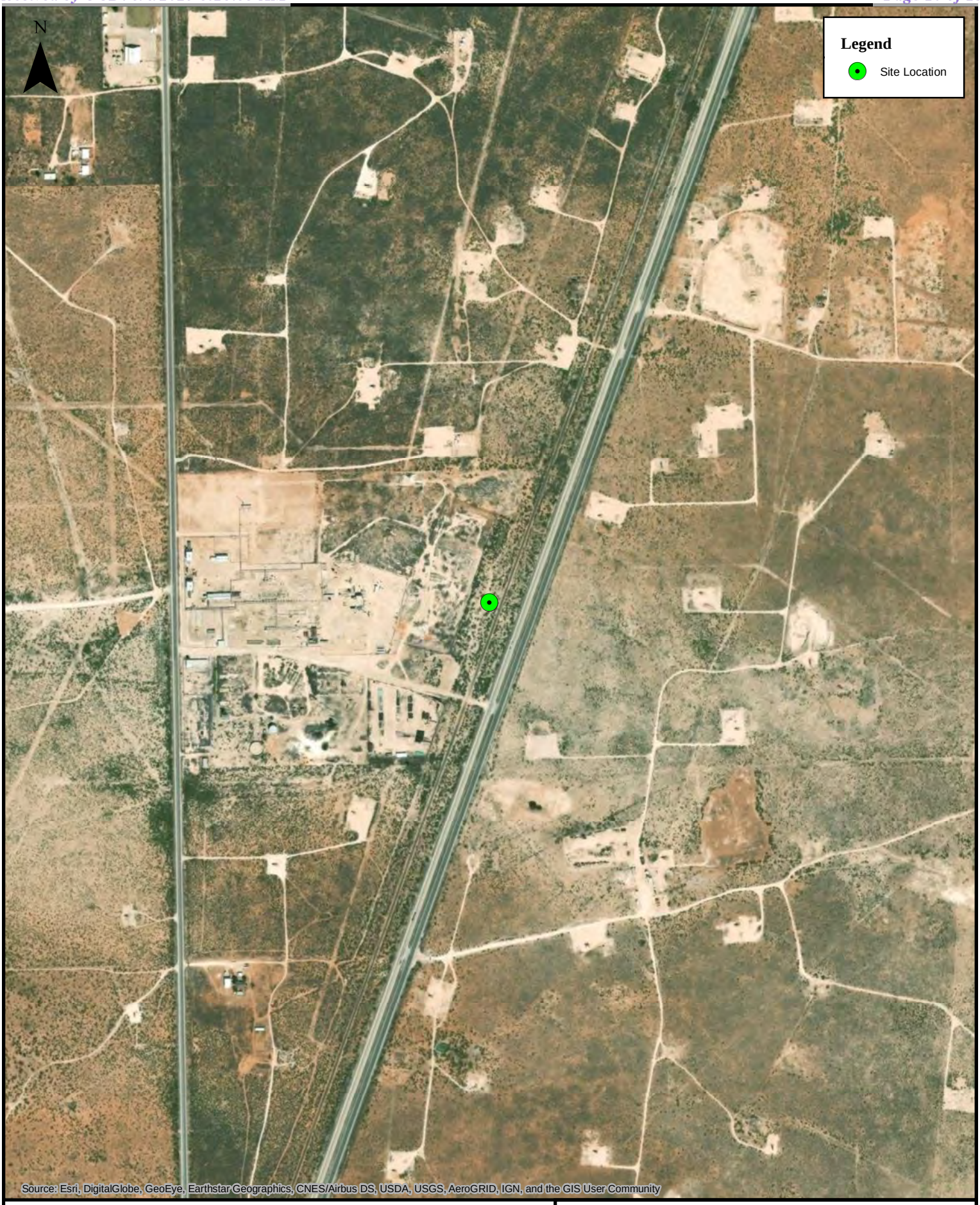
0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

Topographic Map
Langlie Mattix Penrose Sand Unit #604
Team Operating, LLC



RANGER ENVIRONMENTAL SERVICES, LLC

0 250 500 1,000 1,500 2,000 Feet

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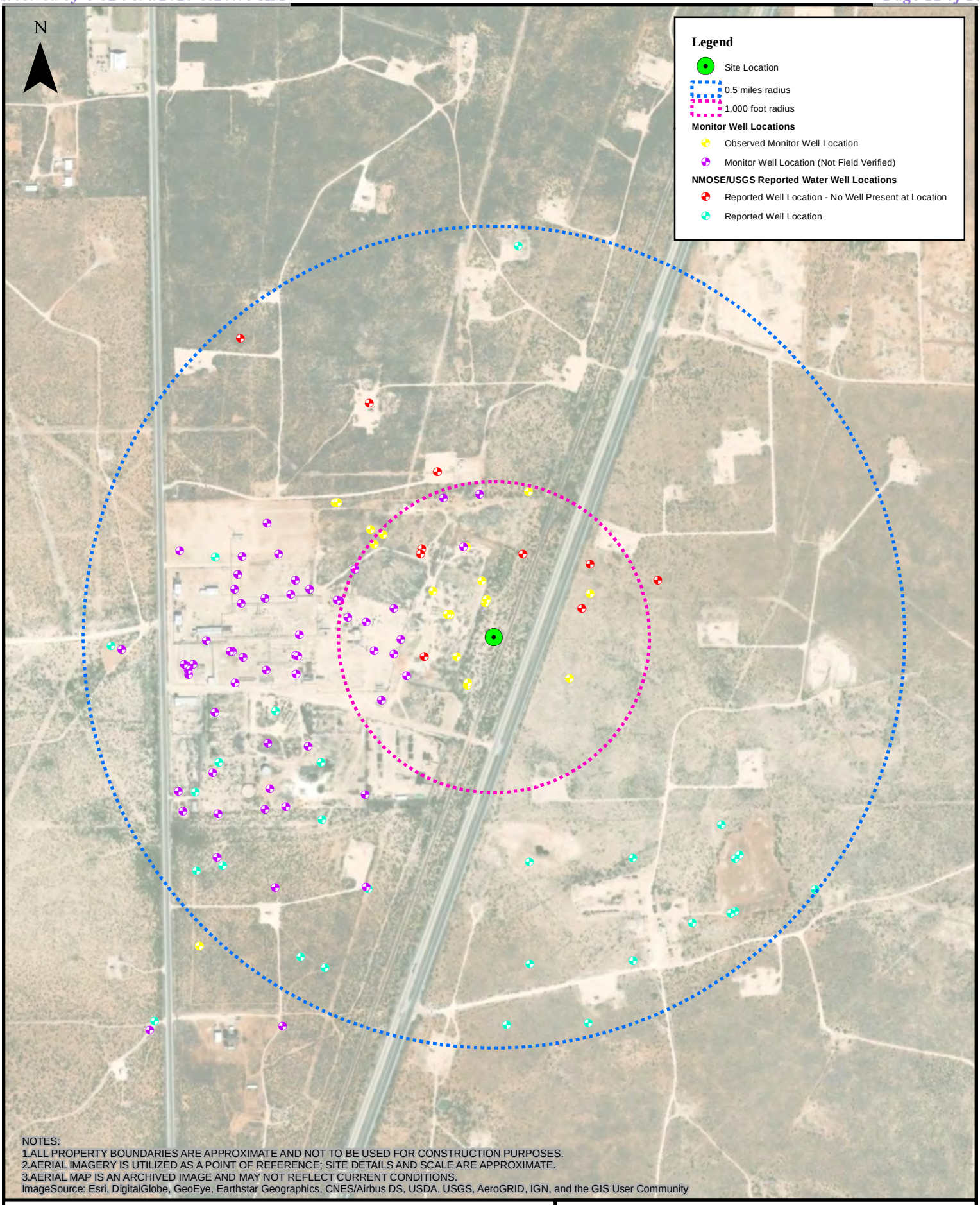
Area Map
Langlie Mattix Penrose Sand Unit #604
Team Operating, LLC



NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
ImageSource: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

RANGER ENVIRONMENTAL SERVICES, LLC

0 237.5 475 950 1,425 1,900 Feet

1:9,500

Depth-to-Groundwater Information Location Map
Langlie Mattix Penrose Sand Unit #604
Team Operating, LLC

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NMOCD INCIDENT #nATUOfGP000685 SITE MAP

*Extracted from the ARCADIS prepared 2023 Annual Groundwater Monitoring Report and modified by Ranger for information purposes only.

LEGEND

- MONITORING WELLS
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- INACTIVE WATER WELL
- OFFSITE PROPERTY WELL (NOT SAMPLED)

LOCATIONS IN **BLUE** ARE SAMPLED ANNUALLY
LOCATIONS IN **GREEN** ARE SAMPLED SEMIANNUALLY
LOCATIONS IN **BLACK** ARE NOT SAMPLED AT THIS TIME

NOTES:

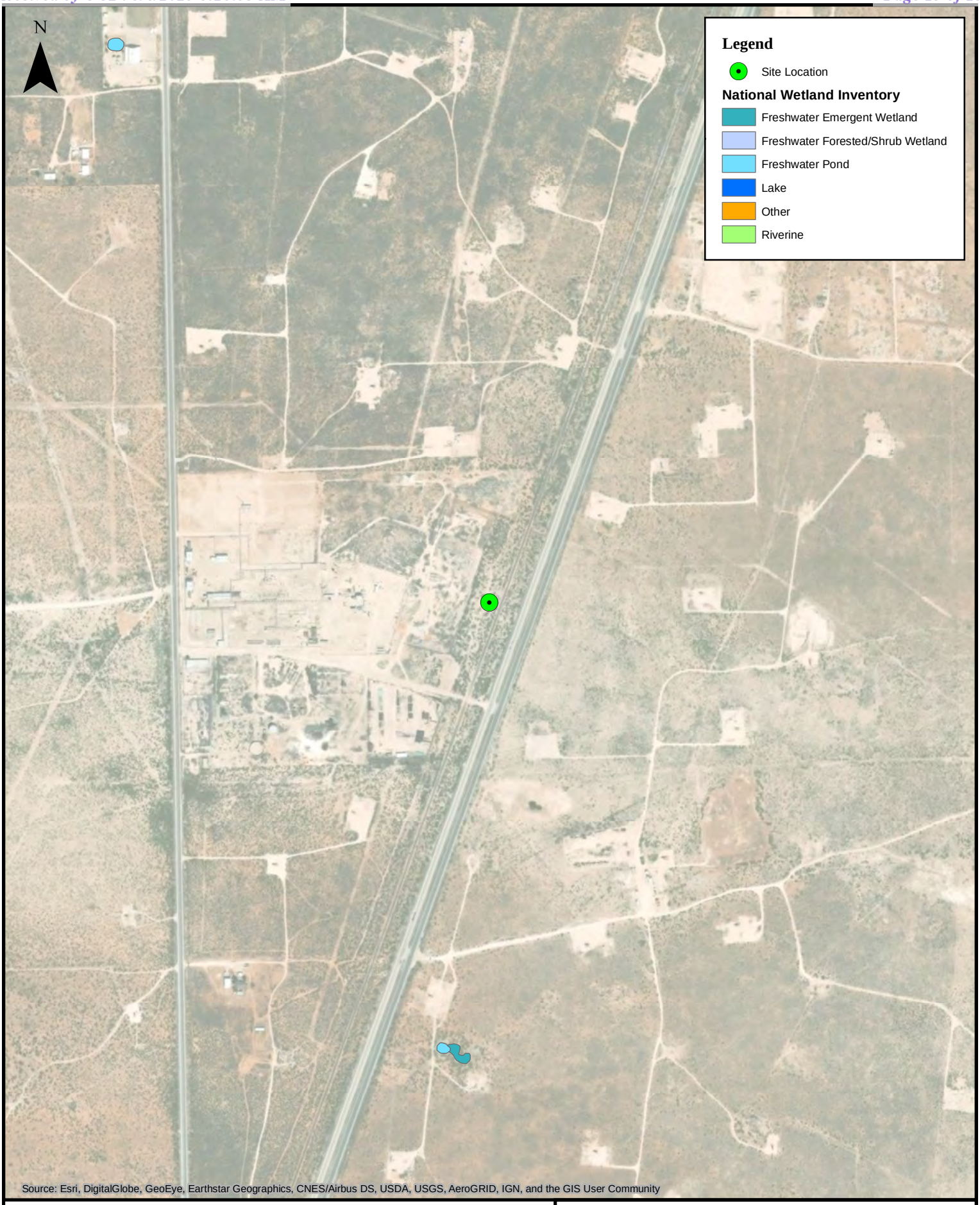
1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

WELL LOCATION AND MONITORING PLAN MAP

ARCADIS

FIGURE
2

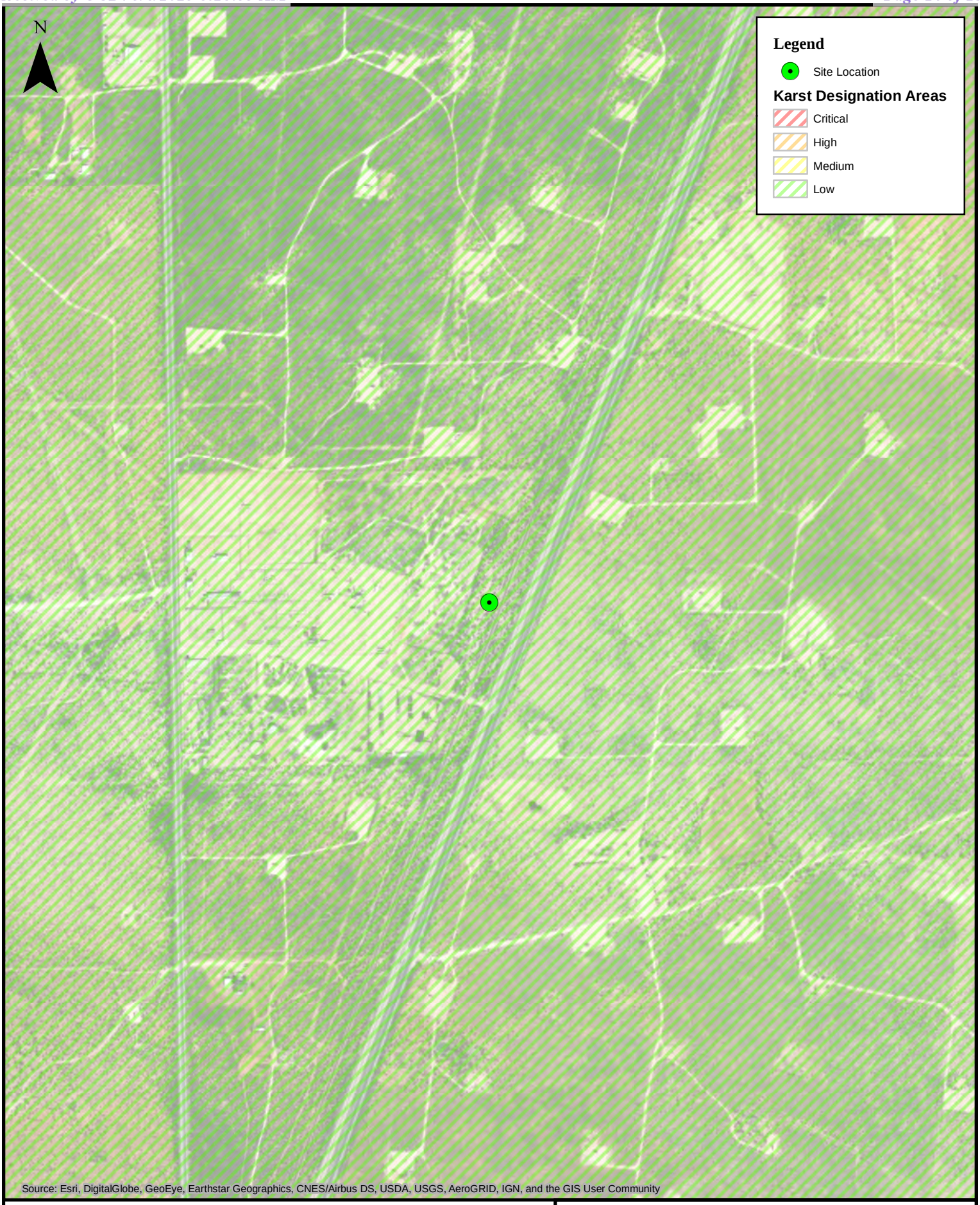


RANGER ENVIRONMENTAL SERVICES, LLC

0 250 500 1,000 1,500 2,000 Feet

1:10,000

National Wetland Inventory Map
Langlie Mattix Penrose Sand Unit #604
Team Operating, LLC



RANGER ENVIRONMENTAL SERVICES, LLC

0 250 500 1,000 1,500 2,000 Feet

1:10,000

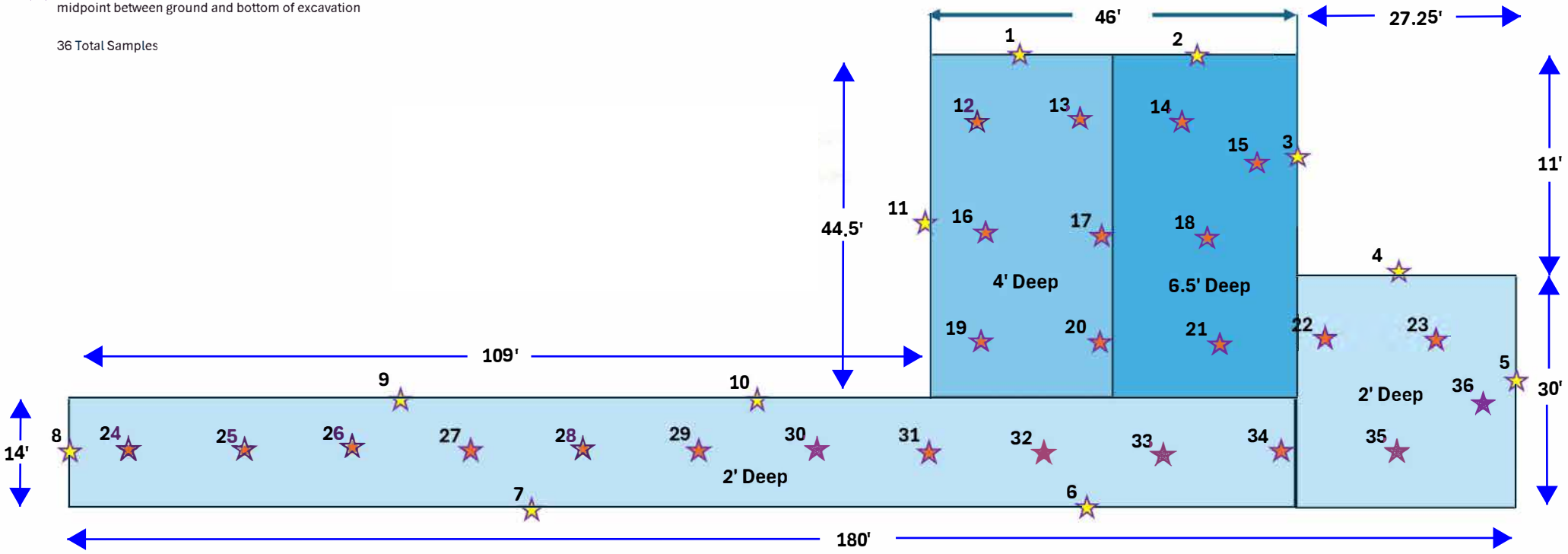
Karst Topography Map
Langlie Mattix Penrose Sand Unit #604
Team Operating, LLC

EXCAVATION AREA AND CONFIRMAITON SAMPLE LOCATION MAP

(25) Bottom Samples - no more than 200 sq ft composite

(11) Sidewall samples - for every 200 sq ft of sidewall area midpoint between ground and bottom of excavation

36 Total Samples



TABLES

Confirmation Sample Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (SM4500) Analytical Data

CONFIRMATION SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (SM 4500) ANALYTICAL DATA
TEAM OPERATING
LANGLIE MATTIX PENROSE SAND UNIT #604

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Side Wall Soil Samples													
1	2/6/2025	0-4'	<0.050	<0.050	0.069	0.665	0.734	62.5	1,380	242	1,442.5	**1,684.5**	**1,230**
2	2/6/2025	0-6.5'	<0.050	0.158	0.883	3.41	4.45	450	10,300	1840	**10,750**	**12,590**	**1,870**
3	2/6/2025	0-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.2	<10.0	16.2	16.2	384
4	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	32.0
5	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	32.0
6	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	14.3	929	166	943.3	**1,109.3**	112
7	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	**1,570**
8	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	**1,120**
9	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	14.4	1,640	334	**1,654.4**	**1,988.4**	96.0
10	2/6/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	48.0
11	2/6/2025	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	64.5	<10.0	64.5	64.5	**5,040**
Excavation Base Area Soil Samples													
12	2/6/2025	4'	<0.050	0.345	0.844	2.40	3.60	72.2	1,760	351	**1,832.2**	**2,183.2**	**1,760**
13	2/6/2025	4'	<0.050	0.070	0.446	1.09	1.61	85.7	2,890	559	**2,975.7**	**3,534.7**	**3,600**
14	2/6/2025	6.5'	<0.050	0.156	0.296	0.928	1.38	38.6	449	84.4	487.6	**572**	992
15	2/6/2025	6.5'	<0.050	0.342	1.01	4.07	5.42	222	8,100	1,520	**8,322**	**9,842**	**6,160**
16	2/6/2025	4'	<0.500	4.60	6.21	33.1	43.9	1,170	11,700	2,300	**12,870**	**15,170**	**9,860**
17	2/6/2025	4'	<0.050	1.18	3.60	13.4	18.2	848	22,800	3,400	**23,648**	**27,048**	**2,760**
18	2/6/2025	6.5'	<0.050	<0050	<0.050	<0.150	<0.300	<10.0	38.7	<10.0	38.7	38.7	16.0
19	2/6/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.1	<10.0	19.1	19.1	16.0
20	2/6/2025	4'	<0.0.50	<0.050	0.198	0.825	1.02	28.7	533	63.4	561.7	**625.1**	**1,710**
21	2/6/2025	6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	136	13.6	136	**149.6**	**9,200**
22	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.2	<10.0	29.2	29.2	**3,520**
23	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	106	<10.0	106	**106**	16.0
24	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,990	306	**1,990**	**2,296**	320
25	2/6/2025	2'	<0.050	<0.050	0.275	1.53	1.80	242	21,600	3,220	**21,842**	**25,062**	**1,360**
26	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,270	611	**3,270**	**3,881**	**6,400**
27	2/6/2025	2'	<0.050	<0.050	0.330	1.93	2.26	482	24,900	3720	**25,382**	**29,102**	**3,200**
28	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	393	74.5	393	**467.5**	**3,800**
29	2/6/2025	2'	<0.050	<0.050	0.278	0.866	1.14	123	13,900	2,590	**14,023**	**16,613**	**1,940**
30	2/6/2025	2'	<1.00	1.93	6.98	34.1	43.0	1,420	18,500	2,740	**19,920**	**22,660**	**2,370**
31	2/6/2025	2'	<0.050	<0.050	0.089	0.335	0.44	23.6	3,790	650	**3,813.6**	**4,463.6**	**2,910**
32	2/6/2025	2'	<0.050	<0.050	0.178	0.443	0.621	32.4	3,930	646	**3,962.4**	**4,608.4**	**2,680**
33	2/6/2025	2'	<0.050	<0.050	0.060	0.245	0.305	20.7	4,280	703	**4,300.7**	**5,003.7**	**2,640**
34	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	0.300	<10.0	4,410	704	**4,410**	**5,114**	**1,460**
35	2/6/2025	2'	<0.050	<0.050	0.105	0.214	0.319	274	20,800	3,000	**21,074**	**24,074**	240
36	2/6/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	49.5	10.4	49.5	59.9	64.0
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤ 50')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**10** [3]	**---**	**---**	**---**	**50** [3]	**---**	**---**	**---**	**---**	**100** [3]	**600**

Notes:

1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.

2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.

3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER INFORMATION

ARCADIS

Table 4
2023 Groundwater Elevations
2023 Annual Groundwater Monitoring Report
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico

Location ID	Date	Top of Casing (feet amsl)	Depth To Groundwater (feet btoc)	Depth to LNAPL (feet btoc)	LNAPL Thickness (feet)	LNAPL Specific Gravity	Uncorrected Groundwater Elevation (feet amsl)	Corrected Groundwater Elevation (feet amsl)[1]
MW-1	2/28/2023	3335.09	54.59	53.18	1.41	0.74	3280.50	3281.54
MW-2	2/28/2023	3335.70	53.00	51.47	1.53	0.74	3282.70	3283.83
MW-3	2/28/2023	3339.65	55.17	NM	NA	NA	3284.48	3284.48
MW-4	2/28/2023	3333.25	49.41	NM	NA	NA	3283.84	3283.84
MW-5	2/28/2023	3333.85	54.00	50.42	3.58	0.82	3279.85	3282.79
MW-6	2/28/2023	3332.33	49.40	NM	NA	NA	3282.93	3282.93
MW-7	2/28/2023	3330.43	47.89	NM	NA	NA	3282.54	3282.54
MW-8	2/28/2023	3330.59	48.74	NM	NA	NA	3281.85	3281.85
MW-9	2/28/2023	3334.73	52.80	NM	NA	NA	3281.93	3281.93
MW-10	2/28/2023	3336.38	52.66	50.86	1.80	0.74	3283.72	3285.05
MW-11	2/28/2023	3334.86	51.30	NM	NA	NA	3283.56	3283.56
MW-11	10/30/2023	3334.86	51.25	NM	NA	NA	3283.61	3283.61
MW-12	2/28/2023	3333.88	51.36	50.21	1.15	0.72	3282.52	3283.35
MW-13	2/28/2023	3336.15	55.57	NM	NA	NA	3280.58	3280.58
MW-14	2/28/2023	3333.04	51.93	NM	NA	NA	3281.11	3281.11
MW-15	2/28/2023	3328.98	46.95	NM	NA	NA	3282.03	3282.03
MW-15	10/30/2023	3328.98	47.02	NM	NA	NA	3281.96	3281.96
MW-16	2/28/2023	3330.20	48.65	NM	NA	NA	3281.55	3281.55
MW-16	10/30/2023	3330.20	47.72	NM	NA	NA	3282.48	3282.48
MW-17	2/28/2023	3334.32	50.61	NM	NA	NA	3283.71	3283.71
MW-17	10/30/2023	3334.32	50.68	NM	NA	NA	3283.64	3283.64
MW-18	2/28/2023	3336.10	51.74	NM	NA	NA	3284.36	3284.36
MW-19	2/28/2023	3334.21	52.30	50.88	1.42	0.82	3281.91	3283.07
MW-20	2/28/2023	3334.06	53.38	50.55	2.83	0.82	3280.68	3283.00
MW-21	2/28/2023	3333.02	52.32	49.90	2.42	0.82	3280.70	3282.68
MW-22	2/28/2023	3334.87	51.89	NM	NA	NA	3282.98	3282.98
MW-23	2/28/2023	3334.45	51.07	NM	NA	NA	3283.38	3283.38
MW-24	2/28/2023	3336.97	53.23	NM	NA	NA	3283.74	3283.74
MW-24	10/30/2023	3336.97	53.26	NM	NA	NA	3283.71	3283.71
MW-25	2/28/2023	3336.31	50.98	NM	NA	NA	3285.33	3285.33
MW-25	10/30/2023	3336.31	51.04	NM	NA	NA	3285.27	3285.27
MW-26	2/28/2023	3334.93	51.62	NM	NA	0.72	3283.31	3283.31
MW-26	10/30/2023	3334.93	51.67	NM	NA	0.72	3283.26	3283.26
MW-27	2/28/2023	3334.96	53.60	52.08	1.52	0.72	3281.36	3282.45
MW-28	2/28/2023	3333.04	54.70	53.17	1.53	0.72	3278.34	3279.44
MW-29	2/28/2023	3334.01	51.91	NM	NA	NA	3282.10	3282.10
MW-29	10/30/2023	3334.01	51.98	NM	NA	NA	3282.03	3282.03
MW-30	2/28/2023	3336.49	54.56	NM	NA	NA	3281.93	3281.93
MW-30	10/30/2023	3336.49	52.85	NM	NA	NA	3283.64	3283.64
MW-31	2/28/2023	3334.52	53.09	NM	NA	NA	3281.43	3281.43
MW-32	2/28/2023	3333.01	50.53	NM	NA	NA	3282.48	3282.48
MW-32	10/30/2023	3333.01	50.63	NM	NA	NA	3282.38	3282.38
MW-34	2/28/2023	3335.77	52.76	NM	NA	NA	3283.01	3283.01
MW-34	10/30/2023	3335.77	52.82	NM	NA	NA	3282.95	3282.95
MW-35	2/28/2023	NM	56.42	NM	NA	NA	NM	NM
MW-35	10/30/2023	NM	56.32	NM	NA	NA	NM	NM
MW-36	2/28/2023	NM	60.21	NM	NA	NA	NM	NM
MW-37	2/28/2023	NM	55.83	NM	NA	NA	NM	NM
MW-38	2/28/2023	NM	50.28	NM	NA	NA	NM	NM
MW-38	10/30/2023	NM	54.62	NM	NA	NA	NM	NM
MWD-1	2/28/2023	3335.26	51.37	NM	NA	NA	3283.89	3283.89
MWD-2	2/28/2023	3336.32	52.32	NM	NA	NA	3284.00	3284.00
MWD-3	2/28/2023	3335.06	51.84	NM	NA	NA	3283.22	3283.22
MWD-3	11/1/2023	3335.06	51.93	NM	NA	NA	3283.13	3283.13
MWD-4	2/28/2023	3330.86	36.46	NM	NA	NA	3294.40	3294.40
MWD-5	2/28/2023	3334.01	51.40	NM	NA	NA	3282.61	3282.61
MWD-6	2/28/2023	3335.08	52.73	NM	NA	NA	3282.35	3282.35
MWD-7	2/28/2023	3332.82	49.65	NM	NA	NA	3283.17	3283.17
MWD-8	2/28/2023	3335.97	51.91	NM	NA	NA	3284.06	3284.06
MWD-9	2/28/2023	3333.45	50.42	NM	NA	NA	3283.03	3283.03
MWD-11	2/28/2023	3338.24	54.12	NM	NA	NA	3284.12	3284.12
MWD-12	2/28/2023	3334.08	51.78	NM	NA	NA	3282.30	3282.30
MWD-12	10/30/2023	3334.08	51.87	NM	NA	NA	3282.21	3282.21
MWD-13	2/28/2023	3332.11	49.54	NM	NA	NA	3282.57	3282.57
MWD-13	10/30/2023	3332.11	49.65	NM	NA	NA	3282.46	3282.46
MWD-14	2/28/2023	3333.76	50.73	NM	NA	NA	3283.03	3283.03
MWD-14	10/30/2023	3333.76	50.75	NM	NA	NA	3283.01	3283.01
MWD-15	2/28/2023	3335.35	51.57	NM	NA	NA	3283.78	3283.78
MWD-15	10/30/2023	3335.35	51.61	NM	NA	NA	3283.74	3283.74
MWD-17	2/28/2023	3334.74	51.49	NM	NA	NA	3283.25	3283.25
RW-2	2/28/2023	3337.84	56.49	55.05	1.44	0.74	3281.35	3282.42
RW-3	2/28/2023	3338.06	55.66	55.56	0.10	0.72	3282.40	3282.47
RW-4	2/28/2023	3334.14	55.45	53.75	1.70	0.72	3278.69	3279.91
RW-5	2/28/2023	3334.20	55.19	54.64	0.55	0.72	3279.01	3279.41
RW-6	2/28/2023	3332.37	49.53	NM	NA	NA	3282.84	3282.84
RW-6	10/30/2023	3332.37	49.66	NM	NA	NA	3282.71	3282.71
RW-7	2/28/2023	3331.23	50.71	NM	NA	NA	3280.52	3280.52
RW-8	2/28/2023	3333.39	52.28	NM	NA	NA	3281.11	3281.11
TMW-1	2/28/2023	3337.70	53.44	NM	NA	NA	3284.26	3284.26
TMW-2	2/28/2023	3338.30	54.74	54.12	0.62	0.82	3283.56	3284.18
TMW-3	2/28/2023	3336.67	52.63	NM	NA	NA	3284.04	3284.04
TMW-6	2/28/2023	3335.36	51.28	NM	NA	NA	3284.08	3284.08
WW-2	2/28/2023	3331.46	49.23	NM	NA	NA	3282.23	3282.23
WW-7	2/28/2023	3331.73	50.29	NM	NA	NA	3281.44	3281.44

Note:
1. Corrected groundwater elevations are corrected using an assumed LNAPL specific gravity of determined during LNAPL transmissivity testing. The formula used to correct groundwater elevation is as follows:

$$Corrected\ GW\ Elevation = TOC\ Elevation - (DTW - LNAPL\ Thickness * LNAPL\ Specific\ Gravity)$$

Acronyms and Abbreviations:
amsl = above mean sea level
btoc = below top of casing
DTW = depth to groundwater
GW = groundwater
ID = identification
LNAPL = light nonaqueous phase liquid
NA = not applicable
NM = not measured
TOC = top of casing

*Extracted from the ARCADIS prepared 2023 Annual Groundwater Monitoring Report for information purposes only.

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00009 POD2	SE	SE	NW	27	22S	37E	673883.0	3582253.0 *	

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

Driller License:	1188	**Driller Company:**	SCARBOROUGH DRILLING INC.		
Driller Name:	SCARBOROUGH, JOHN L.				
Drill Start Date:		**Drill Finish Date:**	2002-01-17	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	2004-03-29	**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**	1.35	**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	90	**Depth Water:**	52

Meter Information

Meter Number:	7875	**Meter Make:**	SEAMETRICS
Meter Serial Number:	042019002662	**Meter Multiplier:**	100.0000
Number of Dials:	5	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2004-02-03	2004	2428.000	A	jw		0.000	
2004-03-01	2004	9447.000	A	jw		0.905	
2004-05-03	2004	24471.000	A	jw		1.936	
2004-06-01	2004	31309.000	A	jw		0.881	
2005-06-27	2005	120786.000	A	RPT		11.533	
2005-08-01	2005	3716.000	R	RPT	Meter Rollover	113.804	
2005-08-29	2005	11181.000	A	RPT		0.962	
2005-09-27	2005	18895.000	A	RPT		0.994	
2005-11-03	2005	23494.000	A	RPT		0.593	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2005-11-30	2005	27745.300	A	RPT		0.548	
2006-01-04	2005	34315.000	A	RPT		0.847	
2006-01-31	2006	39426.000	A	RPT		0.659	
2006-03-01	2006	44850.300	A	RPT		0.699	
2006-04-03	2006	50389.800	A	RPT		0.714	
2006-04-25	2006	52570.000	A	RPT		0.281	
2006-06-01	2006	58648.000	A	RPT		0.783	
2006-06-27	2006	65191.500	A	RPT		0.843	
2006-08-01	2006	65193.200	A	RPT		0.000	
2006-08-29	2006	68847.700	A	RPT		0.471	
2006-09-26	2006	71128.100	A	RPT		0.294	
2006-10-31	2006	74907.000	A	RPT		0.487	
2006-11-28	2006	76171.400	A	RPT		0.163	
2007-01-31	2007	84438.600	A	RPT		1.066	
2007-01-31	2007	84438.600	A	RPT		0.000	
2007-06-26	2007	416.000	R	RPT	Meter Rollover	2.059	
2007-09-28	2007	11430.600	A	RPT		1.420	
2007-11-07	2007	11466.640	A	RPT	Final reading	0.005	
2007-11-07	2007	0.000	A	RPT	Initial reading	0.000	
2007-12-31	2007	69.900	A	RPT		0.009	
2008-02-01	2008	0.000	A	RPT	Initial reading	0.000	
2008-03-25	2008	12984.500	A	RPT		1.674	
2008-04-15	2008	17668.200	A	RPT	Final reading	0.604	
2008-04-15	2008	6.000	A	RPT	Initial reading	0.000	
2008-07-01	2008	449702.000	A	RPT		13.801	
2008-09-30	2008	764926.000	A	RPT		9.674	
2008-12-30	2008	979951.000	A	RPT		6.599	
2009-02-10	2009	1152221.000	A	RPT	Ending reading repalced meter	5.287	
2009-02-10	2009	0.000	A	RPT	Initial reading	0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2009-02-24	2009	54468.000	A	RPT		1.672	
2009-03-31	2009	216427.000	A	RPT		4.970	
2009-06-25	2009	625926.700	A	RPT		12.567	
2009-09-30	2009	970021.400	A	RPT		10.560	
2016-07-01	2016	6255500.000	A	RPT		16.221	
2016-09-30	2016	7093900.000	A	RPT		2.573	
2019-12-30	2019	38900.000	A	RPT	Well is unequipped	0.000	
2021-10-22	2021	38900.000	A	WEB		0.000	X
2022-02-09	2022	38900.000	A	WEB		0.000	X
2022-06-08	2022	38900.000	A	WEB		0.000	X
2022-09-12	2022	38900.000	A	WEB		0.000	X
2022-11-29	2022	38900.000	A	WEB		0.000	X
2023-02-15	2023	38900.000	A	WEB		0.000	X
2023-04-07	2023	38900.000	A	WEB		0.000	X
2023-07-07	2023	38900.000	A	WEB		0.000	X
2023-10-31	2023	38900.000	A	WEB		0.000	X
2024-01-12	2024	38900.000	A	WEB		0.000	X
2024-04-19	2024	38900.000	A	WEB		0.000	X
2024-08-02	2024	38900.000	A	WEB		0.000	X
2024-10-23	2024	38900.000	A	WEB		0.000	X
2025-01-13	2025	38900.000	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2004	3.722
2005	129.281
2006	5.394
2007	4.559

Year	Amount
2008	32.352
2009	35.056
2016	18.794
2019	0.000
2021	0.000
2022	0.000
2023	0.000
2024	0.000
2025	0.000

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00243 POD2	NW	NE	SW	27	22S	37E	673690.0	3582051.0 *	

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

Driller License:	1188	**Driller Company:**	SCARBOROUGH DRILLING INC.		
Driller Name:	SCARBOROUGH, JOHN L.				
Drill Start Date:		**Drill Finish Date:**	2002-01-17	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	2004-03-29	**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**	1.25	**Estimated Yield:**	6
Casing Size:	4.00	**Depth Well:**	90	**Depth Water:**	54

Meter Information

Meter Number:	7876	**Meter Make:**	SEAMETRICS
Meter Serial Number:	042019002663	**Meter Multiplier:**	100.0000
Number of Dials:	5	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2004-02-03	2004	1470.000	A	jw		0.000	
2004-03-01	2004	6710.000	A	jw		0.000	
2004-05-07	2004	14567.000	A	jw		1.013	
2005-06-27	2005	85860.000	A	RPT		9.189	
2005-08-01	2005	89211.000	A	RPT		0.432	
2005-08-29	2005	94130.000	A	RPT		0.634	
2005-09-27	2005	99194.000	A	RPT		0.653	
2005-11-03	2005	98858.000	R	RPT	Meter Rollover	128.850	
2005-11-30	2005	98999.600	A	RPT		0.018	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2006-01-04	2005	4646.700	R	RPT	Meter Rollover	116.732	
2006-01-31	2006	9544.100	A	RPT		0.631	
2006-03-01	2006	0.000	A	RRM	new flow meter	0.000	
2006-03-01	2006	5534.200	A	RPT	meter reading new flow meter	0.713	
2006-04-03	2006	11252.000	A	RPT		0.737	
2006-04-25	2006	15295.000	A	RPT		0.521	
2006-06-01	2006	20354.000	A	RPT		0.652	
2006-06-27	2006	24739.100	A	RPT		0.565	
2006-08-01	2006	24740.400	A	RPT		0.000	
2006-08-29	2006	24740.400	A	RPT		0.000	
2006-09-26	2006	24740.400	A	RPT		0.000	
2006-10-31	2006	24740.400	A	RPT		0.000	
2006-11-29	2006	24948.100	A	RPT		0.027	
2007-04-12	2007	15096.100	A	RPT	last reading prior to failure	0.000	
2007-04-12	2007	0.000	A	RPT	meter reset to 0 after failure	0.000	
2007-06-26	2007	17564.920	A	RPT		2.264	
2007-06-26	2007	2437.400	A	RPT	initial reading	0.000	
2007-09-28	2007	13187.200	A	RPT		1.386	
2008-02-26	2008	27893.800	A	RPT	Last reading meter changed otu	1.896	
2008-02-26	2008	0.000	A	RPT	Init. reading meter refurnishe	0.000	
2008-03-25	2008	819.400	A	RPT		0.106	
2008-04-01	2008	120.000	A	RPT	Initial reading	0.000	
2008-07-01	2008	29050.700	A	RPT		0.888	
2008-09-30	2008	54281.100	A	RPT		0.774	
2008-12-30	2008	74616.000	A	RPT		0.624	
2009-02-24	2009	97837.700	A	RPT		0.713	
2009-03-31	2009	1144212.000	A	RPT		32.112	
2009-06-25	2009	1373969.500	A	RPT		7.051	
2009-08-17	2009	3466718.100	A	RPT		64.224	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2009-08-17	2009	0.000	A	RPT		0.000	
2009-09-30	2009	197921.000	A	RPT		0.607	
2009-12-22	2009	608170.400	A	RPT	prev had a chg out	1.259	
2010-03-31	2010	1115201.900	A	RPT		1.556	
2010-06-30	2010	1684046.600	A	RPT		1.746	
2010-09-08	2010	2077876.000	A	RPT		1.209	
2011-01-03	2011	2077876.000	A	RPT		0.000	
2011-04-05	2011	2077876.000	A	RPT		0.000	
2011-06-29	2011	2077876.000	A	RPT		0.000	
2011-10-04	2011	2077876.000	A	RPT		0.000	
2011-12-19	2011	2077876.000	A	RPT		0.000	
2012-12-19	2012	2077876.000	A	RPT		0.000	
2013-06-12	2013	2077876.000	A	RPT		0.000	
2013-09-16	2013	2077876.000	A	RPT		0.000	
2014-05-01	2014	2077876.000	A	RPT		0.000	
2014-06-27	2014	2138474.500	A	RPT		0.186	
2014-10-03	2014	2565477.300	A	RPT		1.310	
2014-12-19	2014	2827095.000	A	RPT		0.803	
2015-07-01	2015	3199489.700	A	RPT		1.143	
2015-10-01	2015	3302276.500	A	RPT		0.315	
2016-03-28	2016	3749800.300	A	RPT		1.373	
2016-04-29	2016	3810398.800	A	RPT		0.186	
2016-04-29	2016	0.000	A	RPT	chg out	0.000	
2016-06-30	2016	10812.000	A	RPT		0.033	
2016-09-30	2016	10812.000	A	RPT		0.000	
2020-10-13	2020	1275.000	A	RPT	Well is no longer equipped	0.000	
2021-10-22	2021	1275.000	A	WEB		0.000	X
2022-02-09	2022	1275.000	A	WEB		0.000	X
2022-06-08	2022	1275.000	A	WEB		0.000	X

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2022-09-12	2022	1275.000	A	WEB		0.000	X
2022-11-29	2022	1275.000	A	WEB		0.000	X
2023-02-15	2023	1275.000	A	WEB		0.000	X
2023-04-07	2023	1275.000	A	WEB		0.000	X
2023-07-07	2023	1275.000	A	WEB		0.000	X
2023-10-31	2023	1275.000	A	WEB		0.000	X
2024-01-12	2024	1275.000	A	WEB		0.000	X
2024-04-19	2024	1275.000	A	WEB		0.000	X
2024-08-02	2024	1275.000	A	WEB		0.000	X
2024-10-23	2024	1275.000	A	WEB		0.000	X
2025-01-13	2025	1275.000	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2004	1.013
2005	256.508
2006	3.846
2007	3.650
2008	4.288
2009	105.966
2010	4.511
2011	0.000
2012	0.000
2013	0.000
2014	2.299
2015	1.458
2016	1.592
2020	0.000

Year	Amount
2021	0.000
2022	0.000
2023	0.000
2024	0.000
2025	0.000

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00006 POD1				27	22S	37E	673999.0	3582146.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

4/7/25 12:52 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00007 POD1				27	22S	37E	673999.0	3582146.0 *	

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

Driller License:		**Driller Company:**			
Driller Name:					
Drill Start Date:		**Drill Finish Date:**	1941-05-20	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	10.75	**Depth Well:**	182	**Depth Water:**	

4/7/25 12:54 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00008 POD1				27	22S	37E	673999.0	3582146.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

4/7/25 12:55 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00009 POD1				27	22S	37E	673999.0	3582146.0 *	

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

Driller License:	**Driller Company:**		
Driller Name:			
Drill Start Date:	**Drill Finish Date:**	1942-05-15	**Plug Date:**
Log File Date:	**PCW Rcv Date:**		**Source:**
Pump Type:	**Pipe Discharge Size:**		**Estimated Yield:**
Casing Size:	**Depth Well:**	150	**Depth Water:**

Casing Perforations:

Top	Bottom
82	113

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00010 POD1				27	22S	37E	673999.0	3582146.0 *	

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

Driller License:		**Driller Company:**			
Driller Name:					
Drill Start Date:		**Drill Finish Date:**	1943-04-04	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	8.63	**Depth Well:**	135	**Depth Water:**	

4/7/25 1:06 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00231 POD2	SE	SE	NW	27	22S	37E	673883.0	3582253.0 *	

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

Driller License:	1188	**Driller Company:**	SCARBOROUGH DRILLING INC.		
Driller Name:	SCARBOROUGH, JOHN L.				
Drill Start Date:		**Drill Finish Date:**	2006-01-23	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	2006-03-14	**Source:**	Shallow
Pump Type:	CENTRI	**Pipe Discharge Size:**	1.25	**Estimated Yield:**	20
Casing Size:	6.00	**Depth Well:**	97	**Depth Water:**	

Meter Information

Meter Number:	10003	**Meter Make:**	NIAGRA
Meter Serial Number:	0903203	**Meter Multiplier:**	1.0000
Number of Dials:	8	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2006-03-31	2006	0.000	A	RPT	meter reset during installatio	0.000	
2006-04-25	2006	169.300	A	RPT		0.022	
2006-06-01	2006	169.300	A	RPT		0.000	
2006-06-27	2006	169.300	A	RPT		0.000	
2006-08-01	2006	182.300	A	RPT		0.002	
2006-08-29	2006	1313.900	A	RPT		0.146	
2006-09-26	2006	2218.500	A	RPT		0.117	
2006-10-31	2006	4162.000	A	RPT		0.251	
2006-11-28	2006	4828.900	A	RPT		0.086	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2007-01-04	2007	4828.900	A	RPT		0.000	
2007-06-07	2007	964.500	R	RPT	Meter Rollover	0.791	
2007-06-07	2007	10346.600	A	RPT	Initial reading	0.000	
2007-06-26	2007	11311.100	A	RPT	Final reading	0.124	
2007-06-26	2007	964.500	A	RPT		0.000	
2007-09-28	2007	6350.000	A	RPT		0.694	
2007-09-28	2007	6350.000	A	RPT		0.000	
2007-12-31	2007	3691.300	R	RPT	Meter Rollover	0.946	
2008-02-26	2008	4686.000	A	RPT	Final reading	0.128	
2008-02-26	2008	0.000	A	RPT	Initial reading	0.000	
2008-03-25	2008	1054.500	A	RPT		0.136	
2008-04-15	2008	1073.300	A	RPT	Final reading	0.002	
2008-04-15	2008	40.000	A	RPT	Initial reading	0.000	
2008-07-01	2008	151806.000	A	RPT		0.466	
2008-09-30	2008	496360.000	A	RPT		1.057	
2008-12-30	2008	873773.000	A	RPT		1.158	
2009-02-19	2009	1057115.000	A	RPT	Final reading	0.563	
2009-02-19	2009	0.000	A	RPT	Initial reading	0.000	
2009-02-24	2009	21415.000	A	RPT		0.657	
2009-06-25	2009	630894.700	A	RPT	Well shut down 6/25/09	18.704	
2009-09-30	2009	1010588.100	A	RPT		11.652	
2009-11-25	2009	10480281.500	A	RPT		290.614	
2009-11-25	2009	0.000	A	RPT	Chg out	0.000	
2009-12-22	2009	31941.300	A	RPT		0.098	
2010-03-31	2010	464056.100	A	RPT		1.326	
2010-06-30	2010	803569.000	A	RPT		1.042	
2010-09-08	2010	1076376.900	A	RPT		0.837	
2011-01-03	2011	1076380.800	A	RPT		0.000	
2011-04-05	2011	1076381.000	A	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2011-06-29	2011	1076381.000	A	RPT		0.000	
2011-10-04	2011	1076381.000	A	RPT		0.000	
2011-12-19	2011	1076381.000	A	RPT		0.000	
2012-12-19	2012	1076381.000	A	RPT		0.000	
2013-12-19	2013	1076381.000	A	RPT		0.000	
2014-12-19	2014	1076381.000	A	RPT		0.000	
2015-12-14	2015	1076381.000	A	RPT		0.000	
2016-10-12	2016	1076381.000	A	RPT		0.000	
2020-07-09	2020	1076381.000	A	RPT	well no longer eqipped	0.000	
2021-10-22	2021	1076381.000	A	WEB		0.000	X
2022-02-09	2022	1076381.000	A	WEB		0.000	X
2022-06-08	2022	1076381.000	A	WEB		0.000	X
2022-09-12	2022	1076381.000	A	WEB		0.000	X
2022-11-29	2022	1076381.000	A	WEB		0.000	X
2023-02-15	2023	1076381.000	A	WEB		0.000	X
2023-04-07	2023	1076381.000	A	WEB		0.000	X
2023-07-07	2023	1076381.000	A	WEB		0.000	X
2023-10-31	2023	1076381.000	A	WEB		0.000	X
2024-01-12	2024	1076381.000	A	WEB		0.000	X
2024-04-19	2024	1076381.000	A	WEB		0.000	X
2024-08-02	2024	1076381.000	A	WEB		0.000	X
2024-10-23	2024	1076381.000	A	WEB		0.000	X
2025-01-13	2025	1076381.000	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2006	0.624
2007	2.555

Year	Amount
2008	2.947
2009	322.288
2010	3.205
2011	0.000
2012	0.000
2013	0.000
2014	0.000
2015	0.000
2016	0.000
2020	0.000
2021	0.000
2022	0.000
2023	0.000
2024	0.000
2025	0.000

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00233 POD2	NW	NE	SW	27	22S	37E	673690.0	3582051.0 *	

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

Driller License:	1188	**Driller Company:**	SCARBOROUGH DRILLING INC.		
Driller Name:	SCARBOROUGH, JOHN L.				
Drill Start Date:		**Drill Finish Date:**	2006-01-24	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	2006-03-14	**Source:**	Shallow
Pump Type:	CENTRI	**Pipe Discharge Size:**	1.25	**Estimated Yield:**	20
Casing Size:	6.00	**Depth Well:**	90	**Depth Water:**	

Meter Information

Meter Number:	10004	**Meter Make:**	NIAGRA
Meter Serial Number:	0902241	**Meter Multiplier:**	1.0000
Number of Dials:	8	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2006-03-21	2006	9544.300	A	RPT	initial reading;meter refurbis	0.000	
2006-03-31	2006	9544.400	A	RPT		0.000	
2006-04-25	2006	14496.000	A	RPT		0.638	
2006-06-01	2006	18466.000	A	RPT		0.512	
2006-06-27	2006	23316.600	A	RPT		0.625	
2006-08-01	2006	29112.300	A	RPT		0.747	
2006-08-29	2006	31815.200	A	RPT		0.348	
2006-09-26	2006	33324.100	A	RPT		0.194	
2006-10-31	2006	36944.900	A	RPT		0.467	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2006-11-28	2006	40482.500	A	RPT		0.456	
2007-06-26	2007	57382.100	A	RPT		2.178	
2007-09-28	2007	64113.000	A	RPT		0.868	
2007-12-31	2007	74342.300	A	RPT		1.318	
2008-03-25	2008	82909.800	A	RPT		1.104	
2008-04-15	2008	1073.300	R	RPT	Meter Rollover	2.341	
2008-04-15	2008	7.000	A	RPT	Initial reading	0.000	
2008-07-01	2008	138002.000	A	RPT		4.235	
2008-09-30	2008	461600.000	A	RPT		9.931	
2008-12-30	2008	768806.000	A	RPT		9.428	
2009-02-24	2009	985375.000	A	RPT		6.646	
2009-03-31	2009	1088263.000	A	RPT		3.158	
2009-06-25	2009	1200463.000	A	RPT		3.443	
2009-09-30	2009	1559814.800	A	RPT		11.028	
2009-12-02	2009	1919165.800	A	RPT		11.028	
2009-12-02	2009	0.000	A	RPT	Chg-out	0.000	
2009-12-22	2009	253519.800	A	RPT		0.778	
2010-03-31	2010	693254.500	A	RPT		1.349	
2010-06-30	2010	1667382.100	A	RPT		2.989	
2010-09-08	2010	2337581.300	A	RPT		2.057	
2011-10-04	2011	2338811.900	A	RPT		0.004	
2011-12-19	2011	2338811.900	A	RPT		0.000	
2012-12-19	2012	2338811.900	A	RPT		0.000	
2013-12-19	2013	2338811.900	A	RPT		0.000	
2014-12-19	2014	2338811.900	A	RPT		0.000	
2015-12-19	2015	2338811.900	A	RPT		0.000	
2016-10-20	2016	2338811.900	A	RPT		0.000	
2020-07-09	2020	2338811.900	A	RPT	well no longer equipped	0.000	
2021-10-22	2021	2338811.900	A	WEB		0.000	X

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2022-02-09	2022	2338811.900	A	WEB		0.000	X
2022-06-08	2022	2338811.900	A	WEB		0.000	X
2022-09-12	2022	2338811.900	A	WEB		0.000	X
2022-11-29	2022	2338811.900	A	WEB		0.000	X
2023-02-15	2023	2338811.900	A	WEB		0.000	X
2023-04-07	2023	2338811.900	A	WEB		0.000	X
2023-07-07	2023	2338811.900	A	WEB		0.000	X
2023-10-31	2023	2338811.900	A	WEB		0.000	X
2024-01-12	2024	2338811.900	A	WEB		0.000	X
2024-04-19	2024	2338811.900	A	WEB		0.000	X
2024-08-02	2024	2338811.900	A	WEB		0.000	X
2024-10-23	2024	2338811.900	A	WEB		0.000	X
2025-01-13	2025	2338811.900	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2006	3.987
2007	4.364
2008	27.039
2009	36.081
2010	6.395
2011	0.004
2012	0.000
2013	0.000
2014	0.000
2015	0.000
2016	0.000
2020	0.000

Year	Amount
2021	0.000
2022	0.000
2023	0.000
2024	0.000
2025	0.000

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00234 POD3	SW	SE	NW	27	22S	37E	673683.0	3582253.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

3/28/25 12:46 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00244 POD2	SW	SE	NW	27	22S	37E	673683.0	3582253.0 *	

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

Driller License:	1188	**Driller Company:**	SCARBOROUGH DRILLING INC.		
Driller Name:	SCARBOROUGH, LANE				
Drill Start Date:		**Drill Finish Date:**	2006-01-23	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	2006-03-14	**Source:**	Shallow
Pump Type:	CENTRI	**Pipe Discharge Size:**	1.25	**Estimated Yield:**	20
Casing Size:	6.00	**Depth Well:**	87	**Depth Water:**	

Meter Information

Meter Number:	9999	**Meter Make:**	NIAGARA
Meter Serial Number:	0903107	**Meter Multiplier:**	1.0000
Number of Dials:	8	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2006-03-21	2006	148.000	A	RPT	initial reading;meter refurbis	0.000	
2006-03-31	2006	148.000	A	RPT		0.000	
2006-04-25	2006	3600.000	A	RPT		0.445	
2006-06-01	2006	7552.000	A	RPT		0.509	
2006-06-27	2006	7554.800	A	RPT		0.000	
2006-08-01	2006	10244.000	A	RPT		0.347	
2006-08-29	2006	10244.000	A	RPT		0.000	
2006-09-26	2006	11211.400	A	RPT		0.125	
2006-10-31	2006	13296.200	A	RPT		0.269	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2006-11-28	2006	15608.700	A	RPT		0.298	
2007-01-04	2007	19786.500	A	RPT		0.538	
2007-06-26	2007	32739.000	A	RPT		1.669	
2007-09-17	2007	42548.400	A	RPT	Final reading old meter	1.264	
2007-09-17	2007	0.000	A	RPT	New meter initial reading	0.000	
2007-09-28	2007	53.920	A	RPT		0.007	
2007-12-31	2007	9660.800	A	RPT		1.238	
2008-03-25	2008	18045.600	A	RPT		1.081	
2008-04-22	2008	24227.900	A	RPT	Meter changed out	0.797	
2008-04-22	2008	12.000	A	RPT	Initil reading	0.000	
2008-07-01	2008	26075.700	A	RPT		0.800	
2008-09-30	2008	64353.000	A	RPT		1.175	
2008-12-30	2008	94186.900	A	RPT		0.916	
2009-02-10	2009	112146.000	A	RPT	Ending reading replaced meter	0.551	
2009-02-10	2009	0.000	A	RPT	Initial reading	0.000	
2009-02-24	2009	5680.200	A	RPT		0.174	
2009-03-31	2009	191634.000	A	RPT		5.707	
2009-06-25	2009	691527.700	A	RPT		15.341	
2009-09-30	2009	764362.000	A	RPT		2.235	
2009-12-22	2009	886907.500	A	RPT		3.761	
2010-03-31	2010	887465.000	A	RPT		0.017	
2010-07-07	2010	914526.400	A	RPT		0.830	
2010-09-08	2010	915322.700	A	RPT		0.024	
2011-01-03	2011	915829.900	A	RPT		0.016	
2011-04-05	2011	915830.000	A	RPT		0.000	
2011-06-29	2011	915830.000	A	RPT		0.000	
2011-10-04	2011	915830.000	A	RPT		0.000	
2011-12-19	2011	915830.000	A	RPT		0.000	
2012-06-21	2012	915830.000	A	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2013-12-19	2013	915830.000	A	RPT		0.000	
2014-07-10	2014	915830.000	A	RPT		0.000	
2014-12-19	2014	915830.000	A	RPT		0.000	
2015-02-10	2015	915830.000	A	RPT		0.000	
2015-08-20	2015	915830.000	A	RPT		0.000	
2015-12-19	2015	915830.000	A	RPT		0.000	
2016-06-01	2016	915830.000	A	RPT		0.000	
2016-09-13	2016	915830.000	A	RPT		0.000	
2016-10-20	2016	915830.000	A	RPT		0.000	
2020-07-09	2020	915830.000	A	RPT	Well is unequipped	0.000	
2021-10-22	2021	915830.000	A	WEB		0.000	X
2022-02-09	2022	915830.000	A	WEB		0.000	X
2022-06-08	2022	915830.000	A	WEB		0.000	X
2022-09-12	2022	915830.000	A	WEB		0.000	X
2022-11-29	2022	915830.000	A	WEB		0.000	X
2023-02-15	2023	915830.000	A	WEB		0.000	X
2023-04-07	2023	915830.000	A	WEB		0.000	X
2023-07-07	2023	915830.000	A	WEB		0.000	X
2023-10-31	2023	915830.000	A	WEB		0.000	X
2024-01-12	2024	915830.000	A	WEB		0.000	X
2024-04-19	2024	915830.000	A	WEB		0.000	X
2024-08-02	2024	915830.000	A	WEB		0.000	X
2024-10-23	2024	915830.000	A	WEB		0.000	X
2025-01-13	2025	915830.000	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2006	1.993

Year	Amount
2007	4.716
2008	4.769
2009	27.769
2010	0.871
2011	0.016
2012	0.000
2013	0.000
2014	0.000
2015	0.000
2016	0.000
2020	0.000
2021	0.000
2022	0.000
2023	0.000
2024	0.000
2025	0.000

3/28/25 12:18 PM MST **Point of Diversion Summary**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

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 =
- 322148103090001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

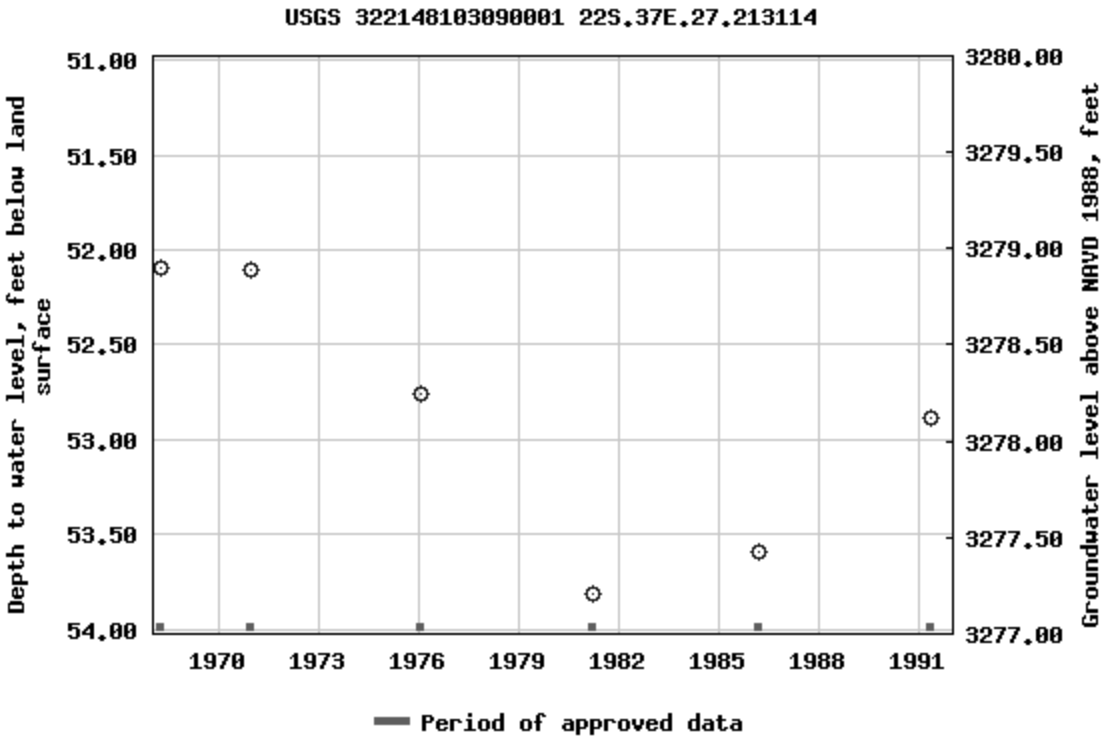
USGS 322148103090001 22S.37E.27.213114

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'48", Longitude 103°09'00" NAD27
Land-surface elevation 3,331 feet above NAVD88
The depth of the well is 77 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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Help
Data Tips
Explanation of terms
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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: 2025-04-07 17:31:54 EDT
0.64 0.49 nadww01

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00231 POD1	SW	NW	SW	27	22S	37E	673288.0	3581844.0 *	

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

Driller License:	**Driller Company:**		
Driller Name:			
Drill Start Date:	**Drill Finish Date:**	1946-07-31	**Plug Date:**
Log File Date:	**PCW Rcv Date:**		**Source:**
Pump Type:	**Pipe Discharge Size:**		**Estimated Yield:**
Casing Size:	**Depth Well:**	145	**Depth Water:**

3/28/25 12:59 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00232 POD1	SE	NW	SW	27	22S	37E	673488.0	3581844.0 *	

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

Driller License:	**Driller Company:**			
Driller Name:				
Drill Start Date:	**Drill Finish Date:**	1937-12-31	**Plug Date:**	
Log File Date:	**PCW Rcv Date:**		**Source:**	
Pump Type:	**Pipe Discharge Size:**		**Estimated Yield:**	14
Casing Size:	**Depth Well:**	150	**Depth Water:**	

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00233 POD1	SE	NW	SW	27	22S	37E	673488.0	3581844.0 *	

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

Driller License:		**Driller Company:**			
Driller Name:	BURK, E.B.				
Drill Start Date:		**Drill Finish Date:**	1941-05-20	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	10.75	**Depth Well:**	182	**Depth Water:**	

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00234 POD1	SW	NW	SW	27	22S	37E	673288.0	3581844.0 *	

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

Driller License:	**Driller Company:**		
Driller Name:			
Drill Start Date:	**Drill Finish Date:**	1943-04-04	**Plug Date:**
Log File Date:	**PCW Rcv Date:**		**Source:**
Pump Type:	**Pipe Discharge Size:**		**Estimated Yield:**
Casing Size:	**Depth Well:**	135	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00243 POD1	SW	SW	NW	27	22S	37E	673281.0	3582246.0 *	

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

Driller License:		**Driller Company:**			
Driller Name:	ROBERTS DRILLING CO.				
Drill Start Date:		**Drill Finish Date:**	1965-06-30	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	8.62	**Depth Well:**	106	**Depth Water:**	

Meter Information

Meter Number:	7882	**Meter Make:**	HALLIBURTON
Meter Serial Number:	MC275820	**Meter Multiplier:**	1.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Barrels 42 gal.	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2004-02-03	2004	1470.000	A	jw		0.000	
2004-03-01	2004	6710.000	A	jw		0.675	
2004-06-01	2004	21874.000	A	jw		1.955	

YTD Meter Amounts:

Year	Amount
2004	2.630

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00244 POD1	SE	SW	SW	27	22S	37E	673495.0	3581442.0 *	

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

Driller License:	**Driller Company:**		
Driller Name:			
Drill Start Date:	**Drill Finish Date:**	1946-08-31	**Plug Date:**
Log File Date:	**PCW Rcv Date:**		**Source:**
Pump Type:	**Pipe Discharge Size:**		**Estimated Yield:**
Casing Size:	**Depth Well:**	150	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00247 POD1	NW	SW	SW	27	22S	37E	673295.0	3581642.0 *	

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

Driller License:		**Driller Company:**			
Driller Name:					
Drill Start Date:		**Drill Finish Date:**	1961-08-30	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	20
Casing Size:	8.63	**Depth Well:**	100	**Depth Water:**	

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00276 POD1	NE	SW	SE	27	22S	37E	674299.0	3581656.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD1	NW	SW	SE	27	22S	37E	674099.0	3581656.0 *	

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

Driller License:	99	**Driller Company:**	O.R. MUSSELWHITE WATER WELL SE		
Driller Name:	MUSSELWHITE, O.R.				
Drill Start Date:	1966-06-29	**Drill Finish Date:**	1966-07-01	**Plug Date:**	
Log File Date:	1966-07-11	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	95	**Depth Water:**	50

Water Bearing Stratifications:

Top	Bottom	Description
50	55	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
41	80

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD2	NE	SW	SE	27	22S	37E	674299.0	3581656.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD3	SW	SW	SE	27	22S	37E	674099.0	3581456.0 *	

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

Driller License:	99	**Driller Company:**	O.R. MUSSELWHITE WATER WELL SE		
Driller Name:	MUSSELWHITE, O.R.				
Drill Start Date:	1966-06-27	**Drill Finish Date:**	1966-06-29	**Plug Date:**	
Log File Date:	1966-07-11	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	94	**Depth Water:**	50

Water Bearing Stratifications:

Top	Bottom	Description
50	55	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
42	79

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD5	NE	SE	SW	27	22S	37E	673897.0	3581649.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD6	SE	SE	SW	27	22S	37E	673897.0	3581449.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD7	SW	SW	SE	27	22S	37E	674099.0	3581456.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00277 POD9	SW	SW	SE	27	22S	37E	674099.0	3581456.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00384 POD1	NE	NE	NW	27	22S	37E	673875.0	3582855.0 *	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

4/7/25 12:47 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00747 POD1			NW	27	22S	37E	673583.0	3582548.0 *	

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

Driller License:		**Driller Company:**			
Driller Name:	JOHN SCARBOROUGH DRILLING, INC.				
Drill Start Date:		**Drill Finish Date:**		**Plug Date:**	
Log File Date:	1991-08-27	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.00	**Depth Well:**	410	**Depth Water:**	

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01131 POD1	NW	SE	NW	27	22S	37E	673716.1	3582414.0	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01131 POD2	NW	SE	NW	27	22S	37E	673716.1	3582414.0	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

4/7/25 12:48 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01131 POD3	NW	SE	NW	27	22S	37E	673716.1	3582414.0	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

4/7/25 12:50 PM MST **Point of Diversion Summary**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01177 POD1	NE	NE	SE	04	23S	37E	674307.7	3581663.9	

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

Driller License:	1710	**Driller Company:**	STRAUB CORPORATION		
Driller Name:	STRAUB, MARTIN (LD)				
Drill Start Date:	2013-07-08	**Drill Finish Date:**	2013-07-08	**Plug Date:**	
Log File Date:	2013-08-02	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	60	**Depth Water:**	41

Water Bearing Stratifications:

Top	Bottom	Description
41	42	Sandstone/Gravel/Conglomerate
42	56	Sandstone/Gravel/Conglomerate
56	58	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
30	60

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01410 POD1		SW	SE	27	22S	37E	674272.7	3581721.8	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01410 POD2		SW	SE	27	22S	37E	674215.8	3581529.8	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01410 POD3	NW	SE	SE	27	22S	37E	674455.3	3581595.6	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01410 POD4		SW	SE	27	22S	37E	674299.1	3581552.8	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01657 POD1	NE	NE	SE	28	22S	37E	673076.6	3582073.0	

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

Driller License:	1731	**Driller Company:**	HARRISON & COOPER, INC DBA: HCI DRILLING		
Driller Name:	COOPER, KENNY				
Drill Start Date:	2017-04-11	**Drill Finish Date:**	2017-04-11	**Plug Date:**	
Log File Date:	2017-04-24	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	123	**Depth Water:**	

Casing Perforations:

Top	Bottom
108	123

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	CP 01698 POD2	NE	SW	SW	27	22S	37E	673580.8	3581596.5	

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

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

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 =
- 322119103090101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

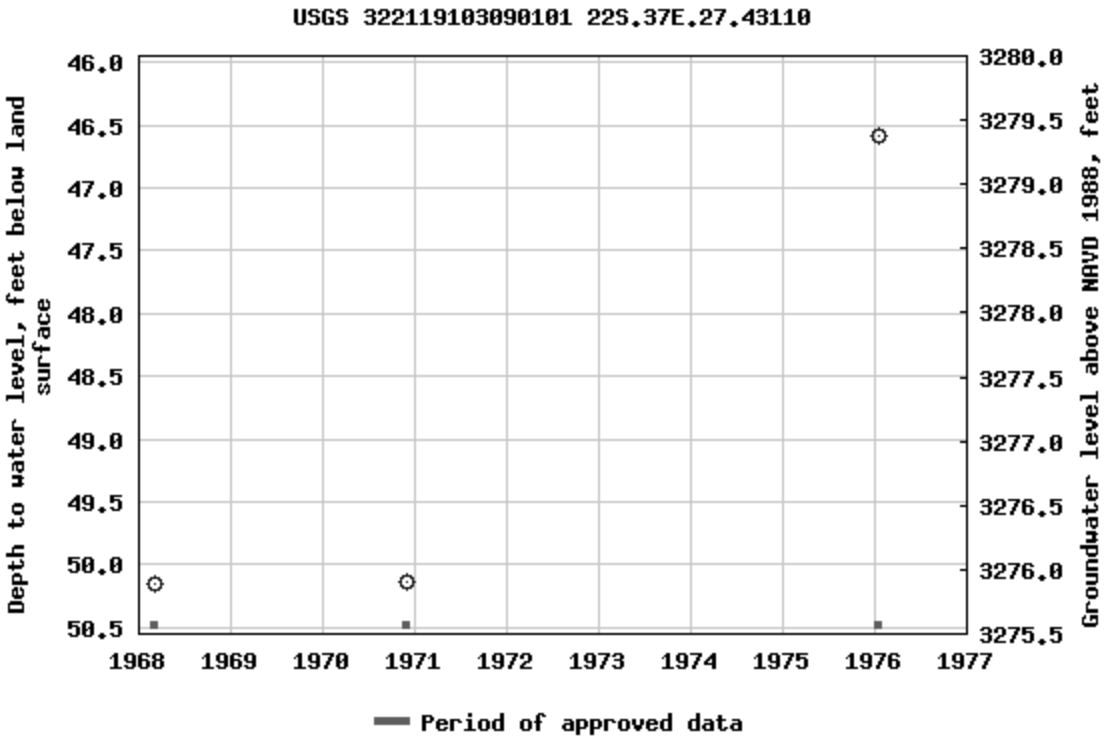
USGS 322119103090101 22S.37E.27.43110

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'19", Longitude 103°09'01" NAD27
Land-surface elevation 3,326 feet above NAVD88
The depth of the well is 95 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
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URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2025-04-07 17:58:42 EDT
0.65 0.51 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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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 =

- 322119103090701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

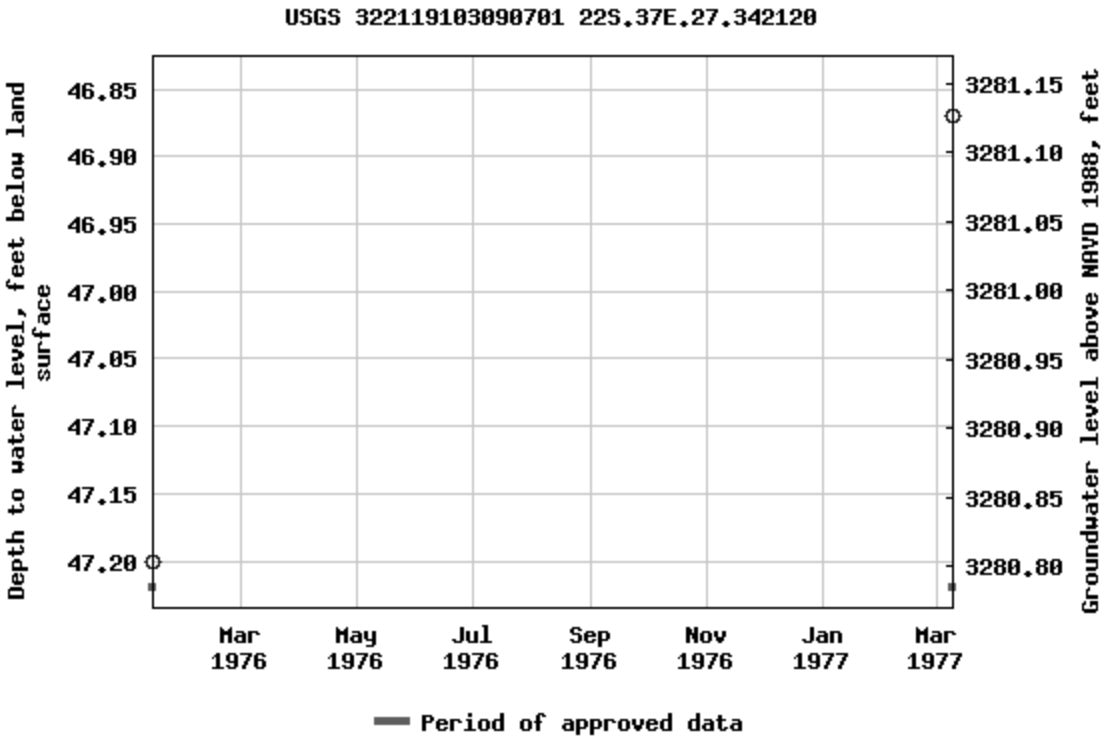
USGS 322119103090701 22S.37E.27.342120

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'19", Longitude 103°09'07" NAD27
Land-surface elevation 3,328 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
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U.S. Department of the Interior | U.S. Geological Survey
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: 2025-04-07 17:56:26 EDT
0.63 0.5 nadww01

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National Water Information System: Web Interface

USGS Water Resources | Data Category: Groundwater | Geographic Area: United States | GO

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 322124103092401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

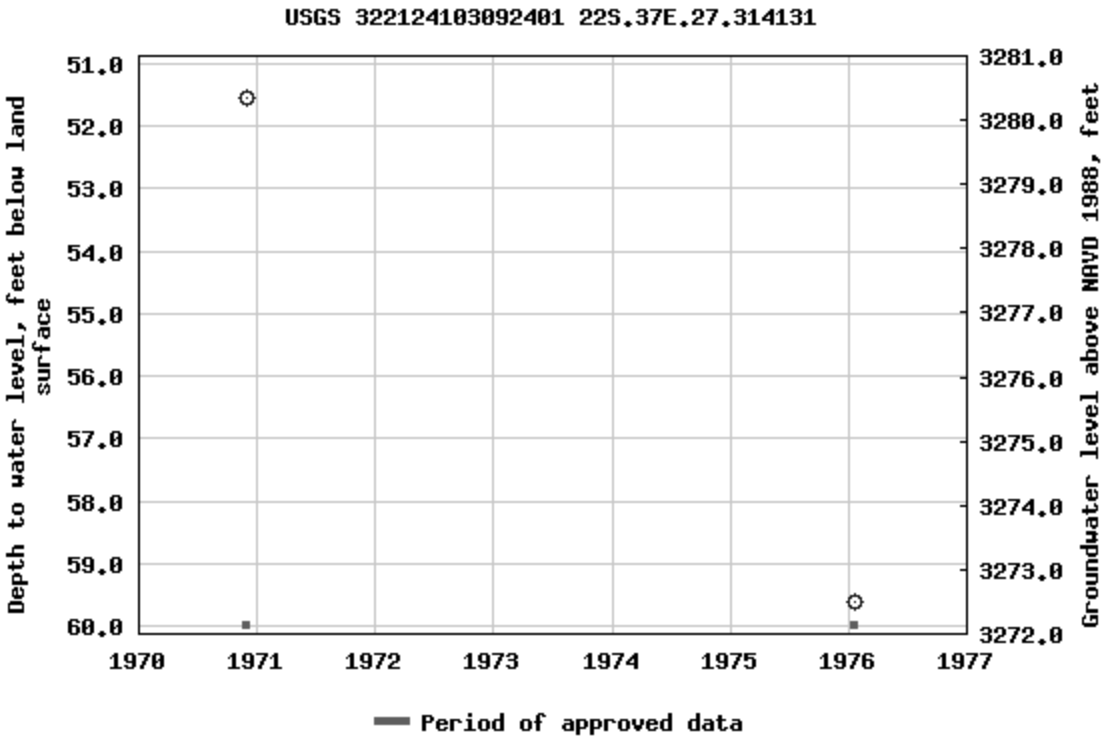
USGS 322124103092401 22S.37E.27.314131

Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'24", Longitude 103°09'24" NAD27
Land-surface elevation 3,332 feet above NAVD88
The depth of the well is 182 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322126103085001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

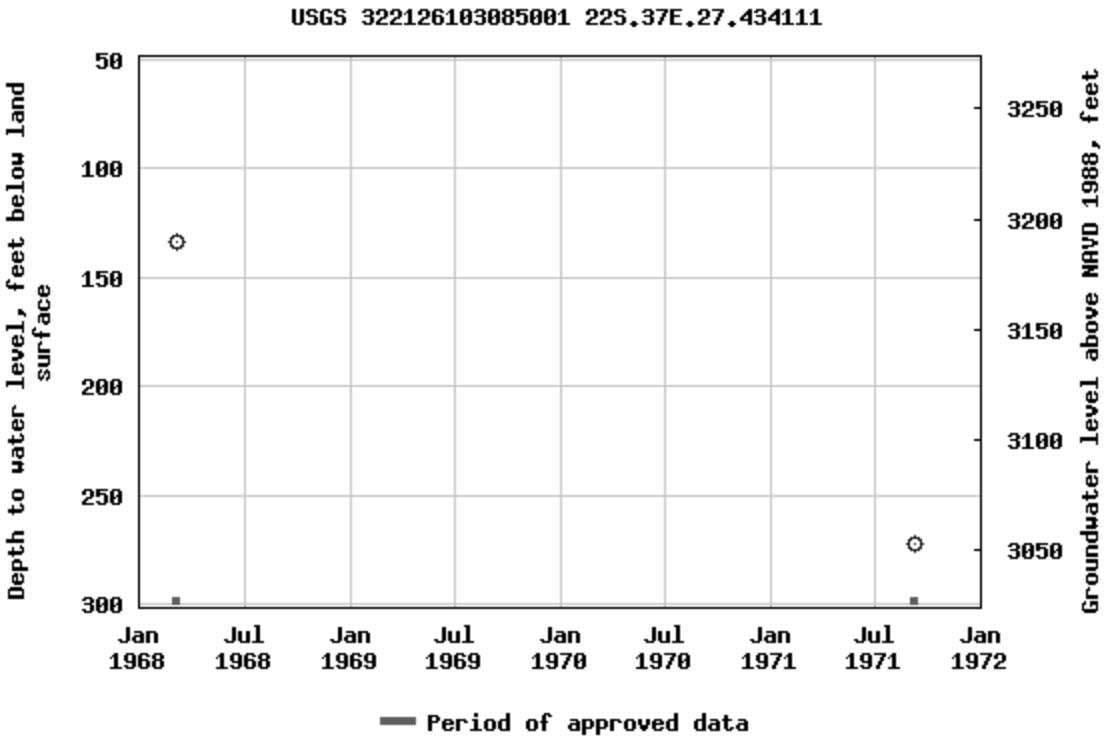
USGS 322126103085001 22S.37E.27.434111

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'26", Longitude 103°08'50" NAD27
Land-surface elevation 3,324 feet above NAVD88
The depth of the well is 822 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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



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U.S. Department of the Interior | U.S. Geological Survey
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: 2025-04-07 17:53:24 EDT
0.64 0.48 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322134103093001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

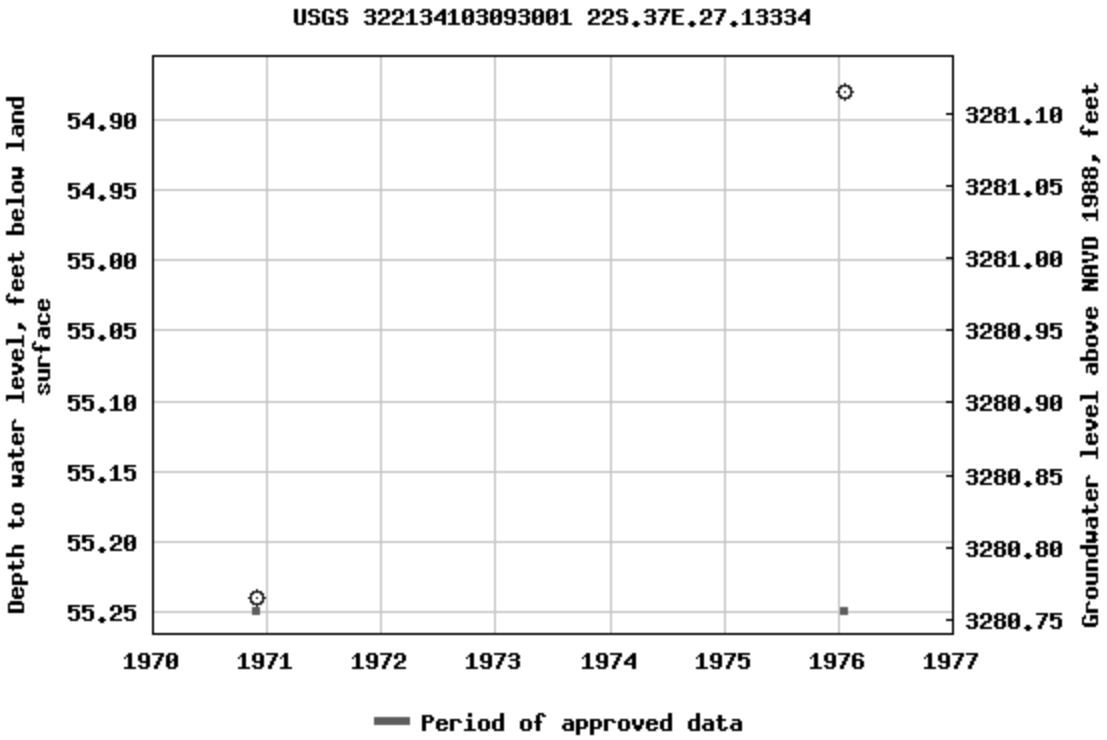
USGS 322134103093001 22S.37E.27.13334

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'34", Longitude 103°09'30" NAD27
Land-surface elevation 3,336 feet above NAVD88
The depth of the well is 106 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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Page Contact Information: New Mexico Water Data Maintainer
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0.65 0.5 nadww01

National Water Information System: Web Interface

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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322139103092401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

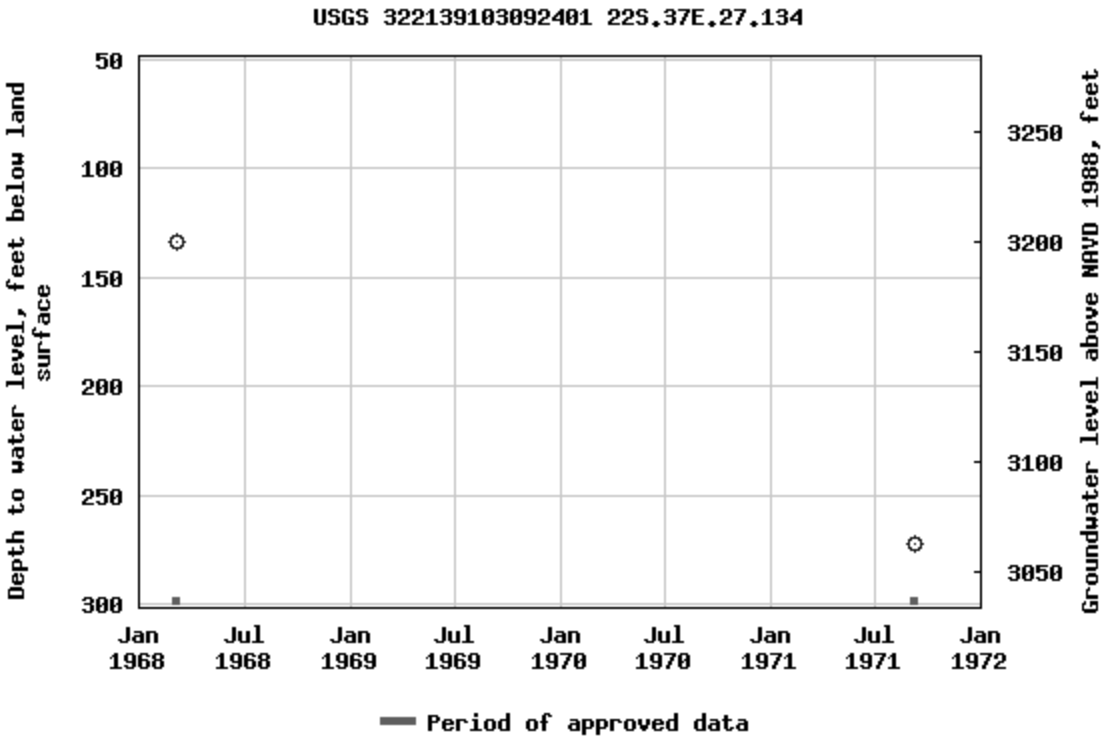
USGS 322139103092401 22S.37E.27.134

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'39", Longitude 103°09'24" NAD27
Land-surface elevation 3,334 feet above NAVD88
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

Output formats

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



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Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

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0.69 0.51 nadww01

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322147103085501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

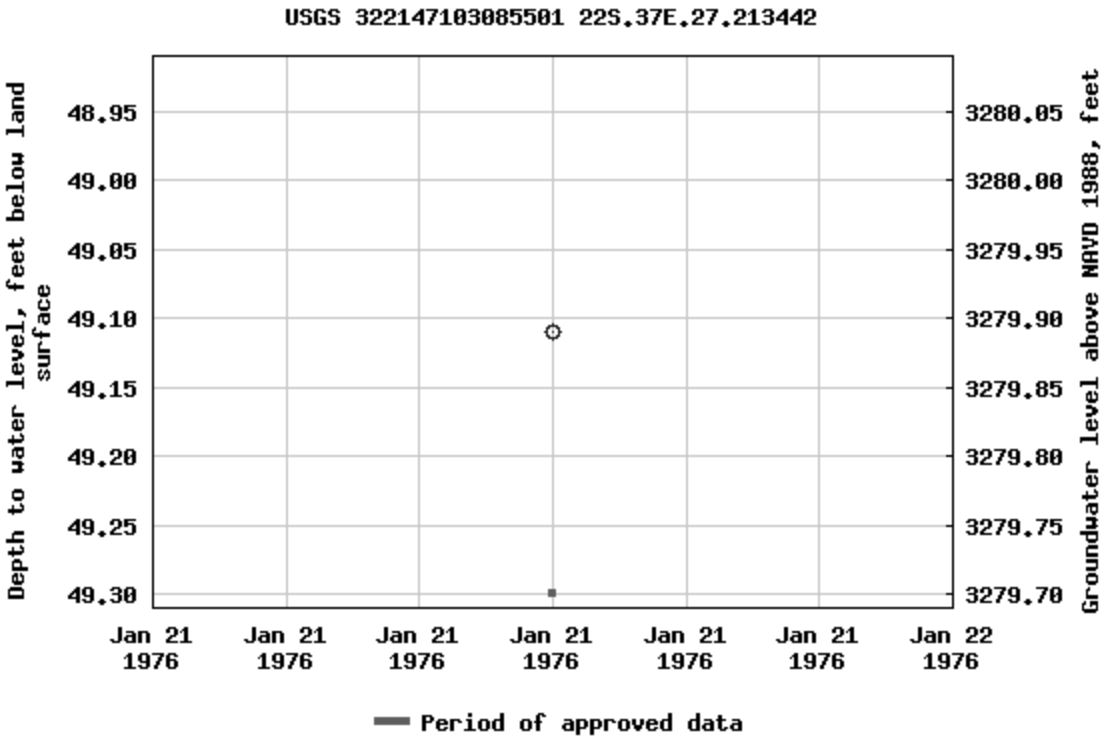
USGS 322147103085501 22S.37E.27.213442

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'47", Longitude 103°08'55" NAD27
Land-surface elevation 3,329 feet above NAVD88
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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0.59 0.45 nadww01

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322148103090001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

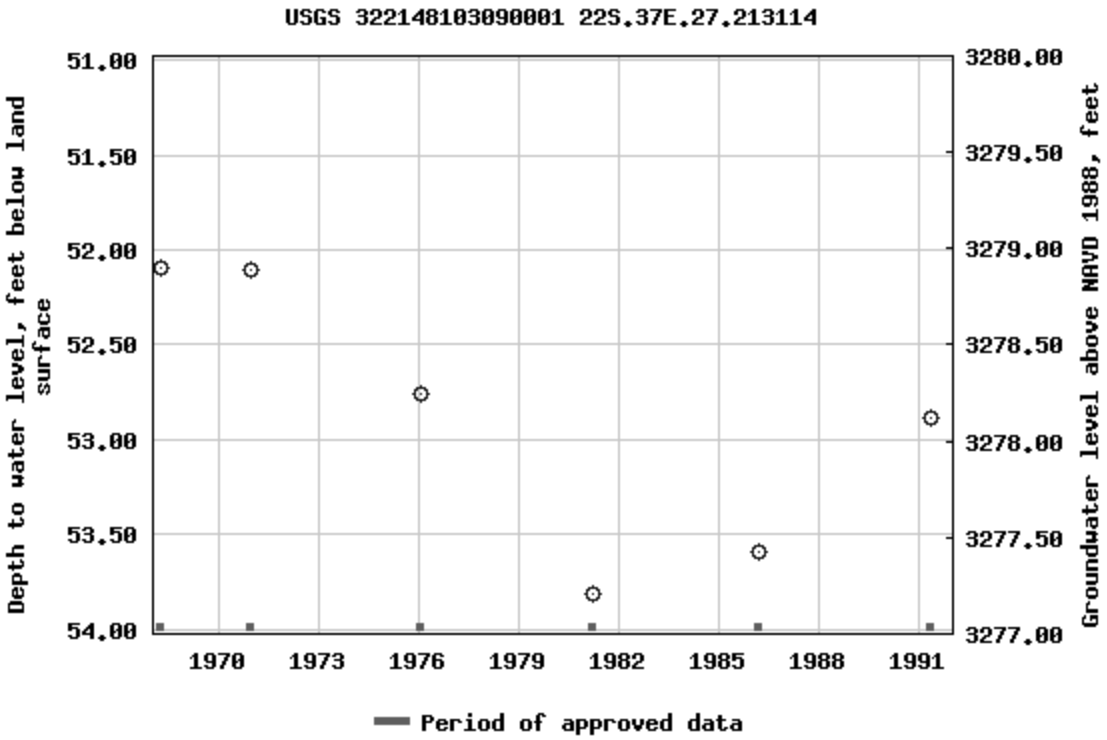
USGS 322148103090001 22S.37E.27.213114

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°21'48", Longitude 103°09'00" NAD27
Land-surface elevation 3,331 feet above NAVD88
The depth of the well is 77 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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0.64 0.49 nadww01

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USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322203103092601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

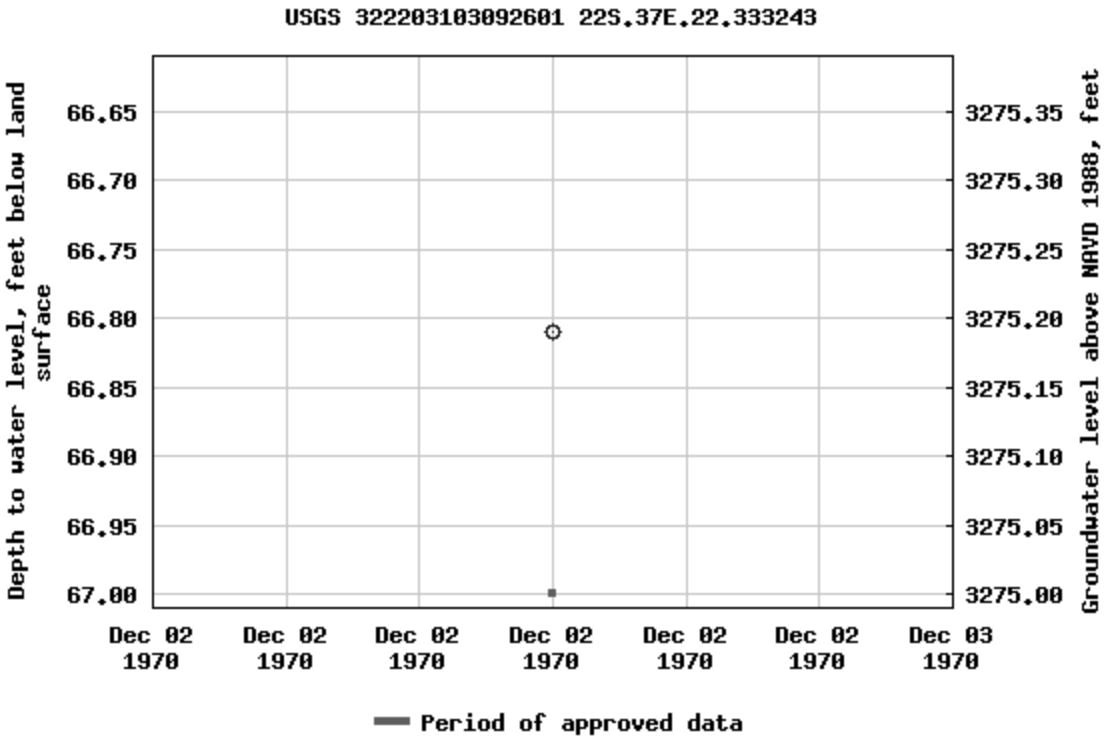
USGS 322203103092601 22S.37E.22.333243

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°22'03", Longitude 103°09'26" NAD27
Land-surface elevation 3,342 feet above NAVD88
The depth of the well is 135 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for New Mexico: Water Levels
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Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2025-04-08 13:10:22 EDT
0.74 0.55 nadww01

ATTACHMENT 2 – SITE PHOTOGRAPHS

PHOTOGRAPH NO. 1 – A view of the release upon discovery. The view is towards the north.

(Approximate GPS Coordinates: 32.362218, -103.152551)

PHOTOGRAPH NO. 2 – A current view of the impact/excavation area in the vicinity of the release location. The view is towards the north.

(Approximate GPS Coordinates: 32.362099, -103.152636)

PHOTOGRAPH NO. 3 – A current view of the impact/excavation area. The view is towards the south.

(Approximate GPS Coordinates: 32.362151, -103.152495)

PHOTOGRAPH NO. 4 – An additional view of the impact/excavation area in the vicinity of the release location. The view is towards the southwest.

(Approximate GPS Coordinates: 32.362151, -103.152495)

PHOTOGRAPH NO. 5 – A view of monitor wells in closest proximity to the release location. The view is towards the northwest.

(Approximate GPS Coordinates: 32.362663, -103.152503)

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORT

CARDINAL Laboratories

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

February 13, 2025

AUSTIN MUSGRAVE

TEAM OPERATING

3624 S. EUNICE HWY

HOBBS, NM 88240

RE: LMPSU 604 LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/07/25 8:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 1 (H250752-01)

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	02/11/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/11/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	**0.069**	0.050	02/11/2025	ND	2.12	106	2.00	4.45	GC-NC1
Total Xylenes*	**0.665**	0.150	02/11/2025	ND	6.47	108	6.00	4.13	
Total BTEX	**0.734**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *135 %* *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	**1230**	16.0	02/10/2025	ND	432	108	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*	**62.5**	10.0	02/10/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**1380**	10.0	02/10/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**242**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *134 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 2 (H250752-02)

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	02/11/2025	ND	2.13	107	2.00	3.42	
Toluene*	**0.158**	0.050	02/11/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	**0.883**	0.050	02/11/2025	ND	2.12	106	2.00	4.45	GC-NC1
Total Xylenes*	**3.41**	0.150	02/11/2025	ND	6.47	108	6.00	4.13	
Total BTEX	**4.45**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *150 %* *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	**1870**	16.0	02/10/2025	ND	432	108	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*	**450**	100	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**10300**	100	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**1840**	100	02/11/2025	ND					

Surrogate: 1-Chlorooctane *243 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *171 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 3 (H250752-03)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *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	**384**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**16.2**	10.0	02/10/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *122 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 4 (H250752-04)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *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	**32.0**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	237	119	200	1.35	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 5 (H250752-05)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

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	**32.0**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	237	119	200	1.35	
DRO >C10-C28*	<10.0	10.0	02/10/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 6 (H250752-06)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *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	**112**	16.0	02/10/2025	ND	432	108	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*	**14.3**	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**929**	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**166**	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.8 %* *49.1-148*

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 7 (H250752-07)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	**1570**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.7 %* *49.1-148*

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AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 8 (H250752-08)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *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	**1120**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.8 %* *49.1-148*

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 9 (H250752-09)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**96.0**	16.0	02/10/2025	ND	432	108	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*	**14.4**	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**1640**	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**334**	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 10 (H250752-10)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *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	**48.0**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 11 (H250752-11)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	<0.050	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	2.12	106	2.00	4.45	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	**5040**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**64.5**	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 12 (H250752-12)

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	02/10/2025	ND	2.13	107	2.00	3.42	
Toluene*	**0.354**	0.050	02/10/2025	ND	2.13	106	2.00	4.12	
Ethylbenzene*	**0.844**	0.050	02/10/2025	ND	2.12	106	2.00	4.45	GC-NC1
Total Xylenes*	**2.40**	0.150	02/10/2025	ND	6.47	108	6.00	4.13	
Total BTEX	**3.60**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *130 %* *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	**1760**	16.0	02/10/2025	ND	432	108	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*	**72.2**	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**1760**	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**351**	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *128 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 13 (H250752-13)

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	02/10/2025	ND	2.00	100	2.00	2.01	
Toluene*	**0.070**	0.050	02/10/2025	ND	2.13	107	2.00	2.50	
Ethylbenzene*	**0.446**	0.050	02/10/2025	ND	2.24	112	2.00	4.09	GC-NC1
Total Xylenes*	**1.09**	0.150	02/10/2025	ND	6.72	112	6.00	2.39	
Total BTEX	**1.61**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *145 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3600**	16.0	02/10/2025	ND	432	108	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*	**85.7**	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**2890**	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**559**	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *125 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

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Analytical Results For:

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AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 14 (H250752-14)

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	02/10/2025	ND	2.00	100	2.00	2.01	
Toluene*	**0.156**	0.050	02/10/2025	ND	2.13	107	2.00	2.50	
Ethylbenzene*	**0.296**	0.050	02/10/2025	ND	2.24	112	2.00	4.09	GC-NC1
Total Xylenes*	**0.928**	0.150	02/10/2025	ND	6.72	112	6.00	2.39	
Total BTEX	**1.38**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *127 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**992**	16.0	02/10/2025	ND	432	108	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*	**38.6**	10.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**449**	10.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**84.4**	10.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 15 (H250752-15)

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	02/11/2025	ND	2.00	100	2.00	2.01	
Toluene*	**0.342**	0.050	02/11/2025	ND	2.13	107	2.00	2.50	
Ethylbenzene*	**1.01**	0.050	02/11/2025	ND	2.24	112	2.00	4.09	GC-NC1
Total Xylenes*	**4.07**	0.150	02/11/2025	ND	6.72	112	6.00	2.39	
Total BTEX	**5.42**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *161 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6160**	16.0	02/10/2025	ND	432	108	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*	**222**	50.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**8100**	50.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**1520**	50.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *159 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *137 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 16 (H250752-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/10/2025	ND	2.00	100	2.00	2.01	
Toluene*	**4.60**	0.500	02/10/2025	ND	2.13	107	2.00	2.50	
Ethylbenzene*	**6.21**	0.500	02/10/2025	ND	2.24	112	2.00	4.09	GC-NC1
Total Xylenes*	**33.1**	1.50	02/10/2025	ND	6.72	112	6.00	2.39	
Total BTEX	**43.9**	3.00	02/10/2025	ND					GC-NC1

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9860**	16.0	02/10/2025	ND	432	108	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*	**1170**	50.0	02/11/2025	ND	237	119	200	1.35	
DRO >C10-C28*	**11700**	50.0	02/11/2025	ND	214	107	200	1.70	
EXT DRO >C28-C36	**2300**	50.0	02/11/2025	ND					

Surrogate: 1-Chlorooctane *220 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *194 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 17 (H250752-17)

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	02/11/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	**1.18**	0.050	02/11/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**3.60**	0.050	02/11/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**13.4**	0.150	02/11/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**18.2**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *140 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2760**	16.0	02/10/2025	ND	432	108	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*	**848**	50.0	02/10/2025	ND	217	109	200	0.384	QM-07
DRO >C10-C28*	**22800**	50.0	02/10/2025	ND	207	103	200	1.69	QM-07, QR-03
EXT DRO >C28-C36	**3400**	50.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *406 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *547 %* *49.1-148*

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 18 (H250752-18)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**38.7**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *93.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.3 %* *49.1-148*

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 19 (H250752-19)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**19.1**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 20 (H250752-20)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.198**	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**0.825**	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**1.02**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1710**	16.0	02/10/2025	ND	432	108	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*	**28.7**	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**533**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**63.4**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 21 (H250752-21)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9200**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**136**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**13.6**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *99.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 22 (H250752-22)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3520**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**29.2**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *82.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.2 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 23 (H250752-23)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**106**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *93.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.8 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 24 (H250752-24)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**1990**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**306**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 25 (H250752-25)

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	02/11/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/11/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.275**	0.050	02/11/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**1.53**	0.150	02/11/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**1.80**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1360**	16.0	02/10/2025	ND	432	108	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*	**242**	100	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**21600**	100	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**3220**	100	02/10/2025	ND					

Surrogate: 1-Chlorooctane *277 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *374 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 26 (H250752-26)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6400**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**3270**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**611**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *96.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *155 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 27 (H250752-27)

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	02/11/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/11/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.330**	0.050	02/11/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**1.93**	0.150	02/11/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**2.26**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3200**	16.0	02/10/2025	ND	432	108	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*	**482**	50.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**24900**	50.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**3720**	50.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *384 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *617 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 28 (H250752-28)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3800**	16.0	02/10/2025	ND	432	108	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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**393**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**74.5**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *84.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 29 (H250752-29)

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	02/11/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/11/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.278**	0.050	02/11/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**0.866**	0.150	02/11/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**1.14**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID	*108 %*	*71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1940**	16.0	02/10/2025	ND	432	108	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*	**123**	100	02/11/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**13900**	100	02/11/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**2590**	100	02/11/2025	ND					

Surrogate: 1-Chlorooctane	*177 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*266 %*	*49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 30 (H250752-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	**1.93**	1.00	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**6.98**	1.00	02/10/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**34.1**	3.00	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**43.0**	6.00	02/10/2025	ND					GC-NC1

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2370**	16.0	02/10/2025	ND	432	108	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*	**1420**	50.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**18500**	50.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**2740**	50.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *377 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *468 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 31 (H250752-31)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.089**	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**0.355**	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**0.444**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2910**	16.0	02/10/2025	ND	432	108	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*	**23.6**	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**3790**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**650**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *92.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *157 %* *49.1-148*

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 32 (H250752-32)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.178**	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**0.443**	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**0.621**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2680**	16.0	02/10/2025	ND	432	108	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*	**32.4**	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**3930**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**646**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *171 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 33 (H250752-33)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.060**	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**0.245**	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**0.305**	0.300	02/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**2640**	16.0	02/10/2025	ND	416	104	400	3.77	QM-07

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*	**20.7**	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**4280**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**703**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *98.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *171 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 34 (H250752-34)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**1460**	16.0	02/10/2025	ND	416	104	400	3.77	

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*	<10.0	10.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**4410**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**704**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *85.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *167 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 35 (H250752-35)

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	02/11/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/11/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	**0.105**	0.050	02/11/2025	ND	1.93	96.4	2.00	5.20	GC-NC1
Total Xylenes*	**0.214**	0.150	02/11/2025	ND	6.03	101	6.00	4.56	
Total BTEX	**0.319**	0.300	02/11/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *109 %* *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	**240**	16.0	02/10/2025	ND	416	104	400	3.77	

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*	**274**	50.0	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**20800**	50.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**3000**	50.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *332 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *525 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

TEAM OPERATING
AUSTIN MUSGRAVE
3624 S. EUNICE HWY
HOBBS NM, 88240
Fax To:

Received:	02/07/2025	Sampling Date:	02/06/2025
Reported:	02/13/2025	Sampling Type:	Soil
Project Name:	LMPSU 604 LEAK	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: 36 (H250752-36)

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	02/10/2025	ND	1.89	94.6	2.00	3.73	
Toluene*	<0.050	0.050	02/10/2025	ND	1.98	98.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.93	96.4	2.00	5.20	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	6.03	101	6.00	4.56	
Total BTEX	<0.300	0.300	02/10/2025	ND					

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	**64.0**	16.0	02/10/2025	ND	416	104	400	3.77	

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	02/10/2025	ND	217	109	200	0.384	
DRO >C10-C28*	**49.5**	10.0	02/10/2025	ND	207	103	200	1.69	
EXT DRO >C28-C36	**10.4**	10.0	02/10/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	TEAM OPERATING
Project Manager:	AUSTIN MUSGRAVE
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	LMPSU 604 LEAK
Project Location:	LMPSU 604
Sampler Name:	AUSTIN MUSGRAVE

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State: Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CHLORIDE	TPH (GRO + DRO + MRO)	GRO + DRO	BTEX	BENZENE
H250752																			
1	1					X							02/06/25	1500	X	X	X	X	X
2	2					X							02/06/25	1500	X	X	X	X	X
3	3					X							02/06/25	1500	X	X	X	X	X
4	4					X							02/06/25	1500	X	X	X	X	X
5	5					X							02/06/25	1500	X	X	X	X	X
6	6					X							02/06/25	1500	X	X	X	X	X
7	7					X							02/06/25	1500	X	X	X	X	X
8	8					X							02/06/25	1500	X	X	X	X	X
9	9					X							02/06/25	1500	X	X	X	X	X
10	10					X							02/06/25	1500	X	X	X	X	X

Relinquished By: Austin Musgrave AUSTIN MUSGRAVE	Date: 02/07/25 Time: 847	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: AUSTIN.MUSGRAVE@TEAMOPERATING.COM
			REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.7 Corrected Temp. °C 3.6	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) AT	Turnaround Time: ☑ Standard ☐ Rush Thermometer ID #140 Correction Factor -0.6°C +0.3°C TE: 2/7/25

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	TEAM OPERATING
Project Manager:	AUSTIN MUSGRAVE
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	LMPSU 6004 LEAK
Project Location:	LMPSU 6004
Sampler Name:	AUSTIN MUSGRAVE

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	BENZENE
H250752											✓								
11	11					X							02/06/25	1500	X	X	X	X	X
12	12					X							02/06/25	1500	X	X	X	X	X
13	13					X							02/06/25	1500	X	X	X	X	X
14	14					X							02/06/25	1500	X	X	X	X	X
15	15					X							02/06/25	1500	X	X	X	X	X
16	16					X							02/06/25	1500	X	X	X	X	X
17	17					X							02/06/25	1500	X	X	X	X	X
18	18					X							02/06/25	1500	X	X	X	X	X
19	19					X							02/06/25	1500	X	X	X	X	X
20	20					X							02/06/25	1500	X	X	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Austin Musgrave	Date: 02/07/25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
AUSTIN MUSGRAVE	Time: 847		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	AUSTIN.MUSGRAVE@TEAMOPERATING.COM
	Time:		REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 33	Sample Condition: Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ / Rush ☐	Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No / Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 34		AD	Thermometer ID #140 Correction Factor ~~-0.6°C~~ +0.3	Corrected Temp. °C

FORM-006 R 3.3 08/05/24

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	TEAM OPERATING
Project Manager:	AUSTIN MUSGRAVE
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	LMPSU 6004 LEAK
Project Location:	LMPSU 6004
Sampler Name:	AUSTIN MUSGRAVE

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State: Zip:	
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CHLORIDE	TPH (GRO + DRO + MRO)	GRO + DRO	BTEX	BENZENE
H250752																			
21	21					X							02/06/25	1500	X	X	X	X	X
22	22					X							02/06/25	1500	X	X	X	X	X
23	23					X							02/06/25	1500	X	X	X	X	X
24	24					X							02/06/25	1500	X	X	X	X	X
25	25					X							02/06/25	1500	X	X	X	X	X
26	26					X							02/06/25	1500	X	X	X	X	X
27	27					X							02/06/25	1500	X	X	X	X	X
28	28					X							02/06/25	1500	X	X	X	X	X
29	29					X							02/06/25	1500	X	X	X	X	X
30	30					X							02/06/25	1500	X	X	X	X	X

Relinquished By: AUSTIN MUSGRAVE	Date: 02/07/25 Time: 0847	Received By:	
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

AUSTIN.MUSGRAVE@TEAMOPERATING.COM

REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.5 Corrected Temp. °C 3.2	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) AT	Turnaround Time: ☑ Standard ☐ Rush Thermometer ID #140 Correction Factor -0.6°C +0.3°

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

2/7/25

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FORM-006 R 3.3 08/05/24

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	TEAM OPERATING
Project Manager:	AUSTIN MUSGRAVE
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	LMPSU L004 LEAK
Project Location:	LMPSU L004
Sampler Name:	AUSTIN MUSGRAVE

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CHLORIDE	TPH (GRO + DRO + MRO)	GRO + DRO	BTEX	BENZENE
H250752											✓								
31	31					X							02/06/25	1500	X	X	X	X	X
32	32					X							02/06/25	1500	X	X	X	X	X
33	33					X							02/06/25	1500	X	X	X	X	X
34	34					X							02/06/25	1500	X	X	X	X	X
35	35					X							02/06/25	1500	X	X	X	X	X
36	36					X							02/06/25	1500	X	X	X	X	X

Relinquished By:	Date: 02/07/25	Received By:	
AUSTIN MUSGRAVE	Time: 8:47		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

AUSTIN.MUSGRAVE@TEAMOPERATING.COM

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.3°C 3.6°C	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials)	Thermometer ID #140 Correction Factor ~~-0.6°C~~ +0.3°C +0.3 2/7/25

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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ATTACHMENT 4 – NMOCD CORRESPONDENCE

Gmail Will Kierdorf <will@rangerenv.com>

LMPSU 604 Flowline - nAPP2436651000

Ty Thompson <ty.thompson@teamoperating.com> Thu, Mar 27, 2025 at 12:05 PM
To: "ocd.enviro@emnrd.nm.gov" <ocd.enviro@emnrd.nm.gov>, "mike.bratcher@emnrd.nm.gov" <mike.bratcher@emnrd.nm.gov>
Cc: "will@rangerenv.com" <will@rangerenv.com>, Chris Kowalski <chris.kowalski@teamoperating.com>

Hello,

Regarding the subject incident, we have completed extensive excavation and performed sampling with 48 hour notice, however we had some delays in additional required excavation scheduling, and we respectfully request a 30 day extension to complete the remediation work and to file the Site Characterization/Remediation/Closure Report.

We will submit another 48-hour sampling notification prior to the next sampling event and we will complete all work in compliance with 19.15.29.

Thank you,

Ty Thompson

Regional Operations Manager

970-986-9168

www.TeamOperating.com

TEAM OPERATING
Together Everyone Achieves More

Gmail Will Kierdorf <will@rangerenv.com>

LMPSU 604 Flowline - nAPP2436651000

Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov> Thu, Mar 27, 2025 at 4:50 PM
To: Ty Thompson <ty.thompson@teamoperating.com>
Cc: "will@rangerenv.com" <will@rangerenv.com>, Chris Kowalski <chris.kowalski@teamoperating.com>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>

Good afternoon Ty,

The extension request for NAPP2436651000 LMPSU #604 FLOWLINE is approved. The new due date to submit your updated remediation plan or closure report to the OCD is April 28, 2025. 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.

[Quoted text hidden]

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	427647	**Districts:**	Hobbs
Operator:	[332148] TEAM OPERATING, L.L.C.	**Counties:**	Lea
Description:	TEAM OPERATING, L.L.C. [332148] , LMPSU #604 FLOWLINE , nAPP2436651000		
Status:	APPROVED		
Status Date:	02/04/2025		
References (2):	30-025-38329, nAPP2436651000		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2436651000**
Incident Name	**NAPP2436651000 LMPSU #604 FLOWLINE @ 30-025-38329**
Incident Type	**Release Other**
Incident Status	**Notification Accepted**
Incident Well	**[30-025-38329] LANGLIE MATTIX PENROSE SAND UNIT #604**

Location of Release Source

Site Name	**LMPSU #604 FLOWLINE**
Date Release Discovered	**12/30/2024**
Surface Owner	**Private**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	36
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2025
Time sampling will commence	02:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Contact Austin Musgrave 432-701-5144
Please provide any information necessary for navigation to sampling site	Hwy 18, turn onto King Rd, immediate right after crossing railroad tracks.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *tthompson (2/4/2025),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 458959

QUESTIONS

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2436651000**
Incident Name	**NAPP2436651000 LMPSU #604 FLOWLINE @ 30-025-38329**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-025-38329] LANGLIE MATTIX PENROSE SAND UNIT #604**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LMPSU #604 FLOWLINE
Date Release Discovered	12/30/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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 for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Crude Oil | Released: 2 BBL | Recovered: 1 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Flow Line - Production | Produced Water | Released: 25 BBL | Recovered: 14 BBL | Lost: 11 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Release type oil and produced water.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	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. 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 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.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Ty Thompson Email: ty.thompson@teamoperating.com Date: 03/27/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
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 ½ and 1 (mi.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
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 plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	9200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	29102
GRO+DRO	(EPA SW-846 Method 8015M)	25382
BTEX	(EPA SW-846 Method 8021B or 8260B)	43.9
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
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.		
On what estimated date will the remediation commence		04/28/2025
On what date will (or did) the final sampling or liner inspection occur		05/02/2025
On what date will (or was) the remediation complete(d)		05/10/2025
What is the estimated surface area (in square feet) that will be reclaimed		6000
What is the estimated volume (in cubic yards) that will be reclaimed		700
What is the estimated surface area (in square feet) that will be remediated		6000
What is the estimated volume (in cubic yards) that will be remediated		700
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
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.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	SUNDANCE SERVICES, INC [fKJ1600527371]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*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.	
I hereby agree and sign off to the above statement	Name: Ty Thompson Email: ty.thompson@teamoperating.com Date: 05/06/2025
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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QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	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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QUESTIONS (continued)

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**457324**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/02/2025**
What was the (estimated) number of samples that were to be gathered	**28**
What was the sampling surface area in square feet	**5600**

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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CONDITIONS

Action 458959

CONDITIONS

Operator: TEAM OPERATING, L.L.C. PO Box 835 Pinehurst, TX 77362	OGRID: 332148
	Action Number: 458959
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit remediation closure report to the OCD by 8/12/2025.	5/14/2025