Stantec Consulting Services Inc.
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October 2, 2023
File: 203722919.1H23

REVIEWED
By Mike Buchanan at 8:57 am, Dec 11, 2024

Mr. Mike Bratcher
State of New Mexico
EMNRD – Oil Conservation Division
506 West Texas Avenue
Artesia, New Mexico 88210

Reference: First Half 2023 Groundwater Monitoring and Status Report, Former Gladiola Station, Lea County, New Mexico, OCD No. AP038

Dear Mr. Bratcher,

At the request of ExxonMobil Environmental and Property Solutions, on behalf of ExxonMobil Pipeline Company LLC, Stantec Consulting Services Inc. (Stantec) is submitting the *First Half 2023 Groundwater Monitoring and Status Report* for the subject site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates into one summary report. Please contact me using the contact information listed below.

Regards,

Stantec

James Anderson

James Anderson
Senior Program Manager
Phone: (805) 701-1420
james.anderson@stantec.com

c. Mr. Chris Bear, ExxonMobil Environmental and Prop

Review of the first half 2023 Groundwater Monitoring Status Report for Former Gladiola Station: content satisfactory
1. Continue as planned to further delineate the extent of dissolved-phase constituents of concern (COCs) and LNAPL, if required.
2. Continue to evaluate potential source(s) of LNAPL and remedial strategies. Propose this work plan to OCD (if not already submitted).
3. Continue to submit semi-annual groundwater monitoring reports.
4. Continue to conduct semi-annual groundwater sampling events on a semi-annual basis until eight (8) consecutive quarters is able to be achieved.
5. Continue to sample for VOCs, PAHs, Heavy Metals, chloride and TDS.
6. Submit the 2nd half of 2023 annual groundwater monitoring report to OCD ASAP (Unless this has already been submitted in the online portal).

Stantec

First Half 2023 Groundwater Monitoring and Status Report

Former Gladiola Station

Lea County, New Mexico

OCD No. AP038

October 2, 2023

Prepared for:

ExxonMobil Environmental and Property Solutions Company

Prepared by:

Stantec Consulting Services Inc.

File: 203722919.1H23

FIRST HALF 2023 GROUNDWATER MONITORING AND STATUS REPORT
Former Gladiola Station

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James Anderson
Senior Program Manager

(signature)

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Acronyms

µg/L	Micrograms per liter
µg/m^3	Micrograms per cubic meter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
AST	Aboveground storage tank
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
cfm	Cubic feet per minute
COC	Chain-of-Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HIT	High-intensity targeted
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process and Instrumentation Diagram
PAH	Polycyclic aromatic (or polyaromatic) hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly-owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Facility-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPH	Total petroleum hydrocarbons
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon

1.0 INTRODUCTION

At the request of ExxonMobil Environmental and Property Solutions, on behalf of ExxonMobil Pipeline Company LLC (ExxonMobil), Stantec Consulting Services Inc. (Stantec) prepared this semi-annual groundwater monitoring and status report for the site.

2.0 SITE DESCRIPTION

Former Gladiola Station is located in northeastern Lea County, New Mexico (Plate 1). The site is located at latitude 33.300745 degrees (º) and longitude -103.111117º and consists of 0.54 acre of land (Plate 2). The site was operated as a crude oil pipeline pumping station under ExxonMobil Pipeline Company until it was purchased by Trojan Pipeline L.P. in February 2004. Trojan changed its name to Centurion Pipeline L.P. (Centurion) in July 2004. The site is currently a vacant lot that contains a pipeline with a cathodic protection system operated by Centurion (AECOM, 2014).

3.0 GEOLOGY AND HYDROGEOLOGY

The site is in northeastern Lea County, New Mexico, within the Llano Estacado (staked plains) physiographic province. Surface soils at the site are Quaternary windblown (eolian) sediments comprised of sands, silts, and clays. This sediment can accumulate to a thickness of 20 feet in this portion of Lea County. The Quaternary sediment unconformably overlies the Tertiary Ogallala formation (AECOM, 2014).

The Ogallala formation is comprised of variably cemented calcic sands, silts, caliche, gravel and some clays, and ranges in thickness from 50 to 300 feet. Groundwater in northern Lea County is primarily produced from the Ogallala formation. The saturated thickness ranges from 25 to 200 feet, with the depth to groundwater ranging from less than 30 to approximately 260 feet. The Ogallala formation unconformably overlies the Triassic Dockum group. The Dockum group consists of red shale and sandstone and is commonly referred to as red beds. The red beds can exceed 1,000 feet in thickness in this region and may produce small amounts of water at the bottom of the formation. Water wells in the vicinity of the site have a total depth of approximately 100 feet bgs, with depth to groundwater ranging from 35 to 70 feet bgs (AECOM, 2014).

The surface soils encountered at the site are silty clays approximately 2 to 3 feet thick. This surface soil is consistent with the surface soil description (Quaternary sediment) for this physiographic province. The next three soil types encountered at the site are consistent with the description of the Ogallala formation (caliche, limestone, and silty sands). The Dockum group was not encountered at the site (AECOM, 2014).

The first occurrence of groundwater encountered at the site is found within the Ogallala formation and would likely be classified as the Ogallala Aquifer. The characteristics of the Ogallala Aquifer as described in the scientific literature match the characteristics of subsurface conditions beneath the site (produces

small amounts of good-quality water). The DTW beneath the site has ranged historically from approximately 29 to 43 feet bgs (AECOM, 2014).

4.0 REGULATORY FRAMEWORK AND SITE CLASSIFICATION

The New Mexico Oil Conservation Division (NMOCD) has regulatory jurisdiction over oil and gas production operations including crude-oil pipeline releases and closure activities in the State of New Mexico. This investigation was conducted in accordance with a "revised Stage 1 Abatement Plan," submitted to the NMOCD on March 2, 2006. The NMOCD requires that soil affected by a crude oil release be remediated in such a manner that the potential for future effects to groundwater or the environment are minimized. The NMOCD hydrocarbon recommended remediation action levels (RRALs) for soil are determined by ranking criteria on a site-by-site basis, outlined in the NMOCD *Guidelines for Remediation of Spills, Leaks, and Releases*, dated August 13, 1993 (NMOCD, 1993). The ranking criteria are based on three site characteristics: depth to groundwater, wellhead protection, and distance to surface water (AECOM, 2014).

The NMOCD guidelines require groundwater to be analyzed for potential constituents of concern as defined by New Mexico Water Quality Control Commission (NMWQCC) regulatory limits. Human health standards for groundwater with a total dissolved solids (TDS) concentration of less than 10,000 mg/L can be found in New Mexico Administrative Code (NMAC) 20.6.2.3103, Sections A and B.

A water well search was conducted on May 28, 2008. According to the New Mexico Office of the State Engineer Water Administration Technical Engineering Resource System database, 18 wells are located within approximately 1 mile of the site. Three of those wells are within 2,000 feet of the site. Two were natural resource exploratory wells (likely petroleum exploration), and one was installed as a livestock watering well. According to the Water Administration Technical Engineering Resource System database, no wells are located within 1,000 feet of the site (AECOM, 2014).

On March 13, 2009 and April 15, 2009, Kleinfelder West, Inc. (Kleinfelder) contacted an adjacent property owner, Mr. Tommy Burrus, to obtain information regarding water well locations and usage (AECOM, 2014). According to Mr. Burrus, water supply wells are located as indicated in the following table.

Location	Usage	Owner
Approximately 0.5 mile northeast	Livestock watering well	Tommy Burrus
Between approximately 0.5 – 0.75 mile	Livestock watering well	Tommy Burrus
Approximately 0.4 mile east of the site	Domestic well at an abandoned ranch (no longer in use)	Tommy Burrus
Between approximately 0.5 and 0.75 mile northwest of the site	Livestock watering well	Clinton Houston

Data collected during groundwater monitoring and sampling events indicates that the historic DTW at the site has ranged from approximately 29 to 43 feet bgs. The site is not within 1,000 feet of a wellhead

protection area, and surface water is more than 1,000 feet from the site, giving the site a ranking criteria score of 20 as summarized in the following table (AECOM, 2014).

Characterization	Selection	Score
Depth to Groundwater	Less than 50 feet	20
Wellhead Protection Area	Greater than 1,000 feet	0
Distance to Surface Water	Greater than 1,000 feet	0
Total Score	NA	20

Based on a total score of 20, the following soil hydrocarbon RRALs apply to this site:

Constituent of Concern	RRALs (mg/kg)
Benzene	10
Total BTEX	50
TPH	100

Groundwater samples collected as part of assessment activities were evaluated using NMWQCC regulatory limits for the analytical parameters listed in the following table.

Constituent of Concern	Concentration (mg/L)
Benzene	0.005
Toluene	1
Ethylbenzene	0.7
Total Xylenes	0.62
Benzo(a)pyrene	0.0007
Total Naphthalene[1]	0.03
Arsenic	0.01
Barium	2
Cadmium	0.005
Chromium	0.015
Lead	0.05
Mercury	0.002
Selenium	0.05
Silver	0.05
Chloride	250.0
Sulfate	600.0
TDS	1,000.0

1. Total Naphthalene = naphthalene + 1-methylnaphthalene + 2-methylnaphthalene

NMOCD removed sulfate from routine sampling in electronic correspondence dated December 7, 2020 (NMOCD, 2020). Sulfate will be included in the sampling suite during closure sampling.

5.0 PREVIOUS WORK

Soil and groundwater investigations have been conducted at the site since 2002. Previous work has included the drilling of soil borings, installation of wells, soil excavation, and NAPL bailing.

5.1 PUMPING STATION ACTIVITIES

November 18, 2002. A crude oil release of approximately 15 barrels occurred as a result of a leak from the former western sump overflow/bleeder valve, located northeast of well MW-1. Approximately 5 barrels of crude oil were recovered from the release (ExxonMobil, 2002).

May 21, 2007. Centurion reported a crude oil release resulting from a strainer valve failure, which caused the eastern sump, located to the north of well MW-2, to overfill (AECOM, 2014).

May 2009. In May 2009, NAPL was observed in off-site well MW-15 at a thickness of 0.16 foot. On October 13, 2011, NAPL thickness increased in well MW-15 to 2.24 feet. In addition, NAPL was observed in well MW-13, northwest of well MW-15, at a thickness of 0.95 foot. By October 2012, NAPL thickness increased in well MW-15 to 3.35 feet and was first observed in off-site well MW-24 at a thickness of 4.35 feet. Based on the levels of NAPL in wells MW-15 and MW-24, ExxonMobil theorized that NAPL in wells MW-13, MW-15, and MW-24 could be indicative of a third release of crude oil.

5.2 SITE ASSESSMENT ACTIVITIES

August 2003. B&H Maintenance and Construction conducted a soil boring investigation (B&H, 2003).

2004. BNC Environmental Services, Inc. conducted soil and groundwater activities, including the installation of wells MW-1 through MW-3. A water well search was conducted, which did not identify water wells located on or immediately adjacent to the site (BNC, 2004).

2006. Conestoga-Rovers & Associates (CRA) advanced soil borings SB-9 and SB-11 and installed wells MW-4 through MW-10 (AECOM, 2014).

April 2008. Kleinfelder oversaw the installation of wells MW-11 through MW-16 (Kleinfelder, 2008).

August 2009. Kleinfelder oversaw the installation of wells MW-17 through MW-22 (AECOM, 2014).

October 2011. Groundwater & Environmental Services, Inc. (GES) advanced borings SB-1 through SB-7 and installed and sampled temporary wells in the borings. NAPL was not encountered (AECOM, 2014).

December 2011. GES installed wells MW-23 through MW-26 (AECOM, 2014).

May 2013. Well MW-8 could not be and was presumed to be destroyed. Large pieces of concrete were found in the vicinity of the well (AECOM, 2014).

June 2018. Cardno oversaw the installation of wells MW-27 though MW-32 (Cardno, 2018).

June 2023. Stantec oversaw the installation of wells MW-33 through MW-38. Details of the work will be submitted under separate cover.

5.3 REMEDIATION ACTIVITIES

August 2003. E. D. Walton conducted initial remedial excavation activities (B&H, 2003).

May-June 2007. Soil remediation activities, including excavation, were conducted (AECOM, 2014).

April 2009. NOVA Safety and Environment, on behalf of Centurion, recommended to the NMOCD no further action for the May 2007 release (AECOM, 2014).

April 2016. Cardno conducted a NAPL baildown test on wells MW-13, MW-14, and MW-24. Cardno also bailed NAPL from wells MW-4, MW-5, MW-12, MW-15, MW-16, MW-18, MW-20, and MW-25 using disposable Teflon® bailers (Cardno, 2016).

October 2016. Cardno conducted a NAPL pumping test to assess whether sustained flow of NAPL is possible by pumping. To begin the test, Cardno adjusted the pump to a rate of 0.1 gpm to conduct a step test to gradually increase the flow rate and determine the appropriate flow rate for a constant rate pumping test; however, Cardno was not able to sustain the desired flow rates during the step test and the constant rate test, therefore, was not performed. Approximately 100 gallons of LNAPL mixed with water was removed (Cardno, 2017a).

May 2017. Cardno conducted a NAPL recovery test using a Xitech Instruments, Inc. ADJ210 High Performance Smart Skimmer® pump equipped with an electronic controller to assess whether sustained flow of NAPL is possible by pumping. During the test, approximately 10 to 15 gallons of NAPL were removed over a 24-hour period (Cardno, 2017b).

5.4 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring and sampling have been ongoing since 2004. Cumulative groundwater analytical results are summarized in Tables 4 through 7. NAPL bailing has been ongoing since 2015. NAPL recovery results are summarized in Table 8.

6.0 FIELD ACTIVITIES

Field data sheets are included in Appendix A. Laboratory analytical reports are included in Appendix B.

6.1 GROUNDWATER MONITORING WELL INSTALLATION

In June 2023, groundwater monitoring wells MW-33 through MW-38 were installed and surveyed to continue delineation of LNAPL and dissolved-phase constituents of concerns to the north and south of the site. The laboratory analytical results of soil samples and boring logs for the newly-installed wells will be submitted in a site investigation report at a later date.

6.2 MONITORING WELL GAUGING AND PURGING

On June 13, 14, and 20, 2023, the site monitoring wells were gauged.

At the beginning of the groundwater monitoring event, the well boxes were opened and the locking well caps removed from the wells. The liquid level within each well was allowed to equilibrate to atmospheric pressure. The water levels were measured in all wells prior to sampling using an electronic oil/water interface probe capable of measuring groundwater elevations to 0.01 foot.

In wells without NAPL, the DTW was measured to the nearest 0.01 foot with an electronic oil/water interface probe. Groundwater elevations were calculated by subtracting the DTW from the surveyed TOC.

In wells with NAPL, the depth of the top and bottom of NAPL was measured using an oil/water interface probe. The water levels were then corrected for density effects to accurately determine the elevation of the water table. Wells containing NAPL are not purged or sampled.

After measuring the static groundwater levels, select wells were purged using low-flow sampling techniques. Samples were collected once field parameters stabilized. Submersible pumps were used for purging the wells and the flow rate was adjusted to minimize drawdown. Water quality measurements including temperature, pH, conductivity, DO, and ORP were recorded via the use of a flow-through cell and a YSI multi-parameter meter. The sample intake was positioned at the approximate middle of the well screen.

6.3 MONITORING WELL SAMPLING

On June 20 through 23, 2023, groundwater samples were collected from the wells without NAPL. Well MW-7 was dry, and there was insufficient water to collect a sample from well MW-10.

The wells were sampled using low-flow sampling techniques in general accordance with the EPA guidelines described in the EPA document titled “Standard Operating Procedure for Low-Stress (Low Flow)/Minimal Drawdown Ground-Water Sample Collection” (www.epa.gov/Region09/qa/pdfs/finalsopls1217.pdf).

After purging, groundwater samples were collected through a submersible pump directly into laboratory-provided containers. Depending on the analysis, each sample container was preserved with hydrochloric acid, nitric acid, etc., or it was preservative-free. The samples were immediately placed on ice in laboratory-supplied containers and subsequently shipped to a certified environmental laboratory using COC protocol.

The samples were analyzed for VOCs, PAHs, RCRA8 metals, and general chemistry parameters using the methods detailed in the laboratory analytical reports in Appendix B.

6.4 NAPL BAILING

On June 13 and 24, 2023, NAPL was bailed from the wells with NAPL, as detailed in Table 8.

6.5 WASTE MANAGEMENT

Decontamination/purge water and NAPL generated during the sampling and NAPL recovery event were temporarily stored in DOT-approved, sealed 55-gallon drums. Recycling documentation is included in Appendix C.

7.0 RESULTS AND CONCLUSIONS

Groundwater monitoring and sampling data are summarized in Tables 1 through 7. NAPL thicknesses and groundwater depths are illustrated on Graphs 1 through 38. Groundwater elevations and NAPL thicknesses are illustrated on Plate 3. BTEX and total naphthalene concentrations are illustrated on Plate 4. TDS, chloride, and select metals concentrations are illustrated on Plate 5.

7.1 NON-AQUEOUS PHASE LIQUID

Measurable NAPL was encountered in wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, MW-12 through MW-16, MW-18 through MW-21, and MW-23 through MW-26. NAPL thickness ranged from 0.01 foot (MW-12 and MW-23) to 1.73 feet (MW-26).

This was the first time NAPL was measured in well MW-6. Wells MW-18 and MW-19 have had an increasing trend since January 2021. Other than these wells, NAPL thicknesses in the wells indicate a stable to decreasing trend.

7.2 GROUNDWATER LEVELS AND FLOW DIRECTION

Measured groundwater levels in the wells ranged from 35.86 feet below TOC (well MW-38) to 47.10 feet below TOC (MW-2). The groundwater flow direction was generally towards the northeast, consistent with historical results, however several of the wells appear to have levels which are lower or higher than the surrounding wells, resulting in localized depressions or highs.

7.3 GROUNDWATER CONCENTRATIONS

Groundwater analytical results were compared to NMWQCC standards. Concentrations reported in the sampled wells did not exceed NMWQCC standards with the following exceptions:

- **MW-3:** Benzene, total naphthalene, arsenic, barium, and TDS (stable trend).
- **MW-17:** Benzene, total naphthalene, barium, and TDS (stable trend).
- **MW-27:** Chloride and TDS (stable trend).
- **MW-28:** TDS (stable trend).
- **MW-33:** Chloride and TDS (new well).
- **MW-35:** Chromium, chloride, and TDS (new well).
- **MW-36:** Chloride and TDS (new well).
- **MW-38:** Chromium, chloride, and TDS (new well).

Dissolved-phase concentrations in the wells were consistent with historical results.

The lateral extent of NAPL and dissolved-phase petroleum hydrocarbons are delineated with the exception of southeast of well MW-3 and MW-6, due to the appearance of LNAPL in MW-6 during the first half 2023 monitoring event. LNAPL and petroleum hydrocarbons were not detected in newly-installed wells MW-33 through MW-36, delineating petroleum hydrocarbons north of the site, or in newly-installed wells MW-37 and MW-38, delineating petroleum hydrocarbons south of the site.

8.0 RECOMMENDATIONS

Stantec recommends the following:

- Continue periodic groundwater monitoring.
- Continue delineating the extent of dissolved-phase constituents of concern (COCs) and LNAPL, if required based upon the results of ongoing monitoring.
- Continue evaluating potential source(s) of the LNAPL and remedial strategies.
- Continue submitting semi-annual groundwater monitoring reports.

9.0 ACTIVITIES PLANNED FOR SECOND HALF OF 2023

The following activities are planned to be performed at the site during the second half of 2023.

- Submit this first half 2023 groundwater monitoring and status report.
- Conduct sampling of newly-installed wells MW-33 through MW-38 during third quarter 2023 to evaluate if any dissolved-phase concentrations exceed NMWQCC and trends in comparison to their initial sampling event.
- Based upon the results of the first half 2023 and third quarter 2023 sampling events, evaluate if additional delineation of LNAPL and/or dissolved-phase COCs is required.
- Conduct baildown tests on select LNAPL-containing wells to evaluate the transmissivity of the formation.

10.0 REFERENCES

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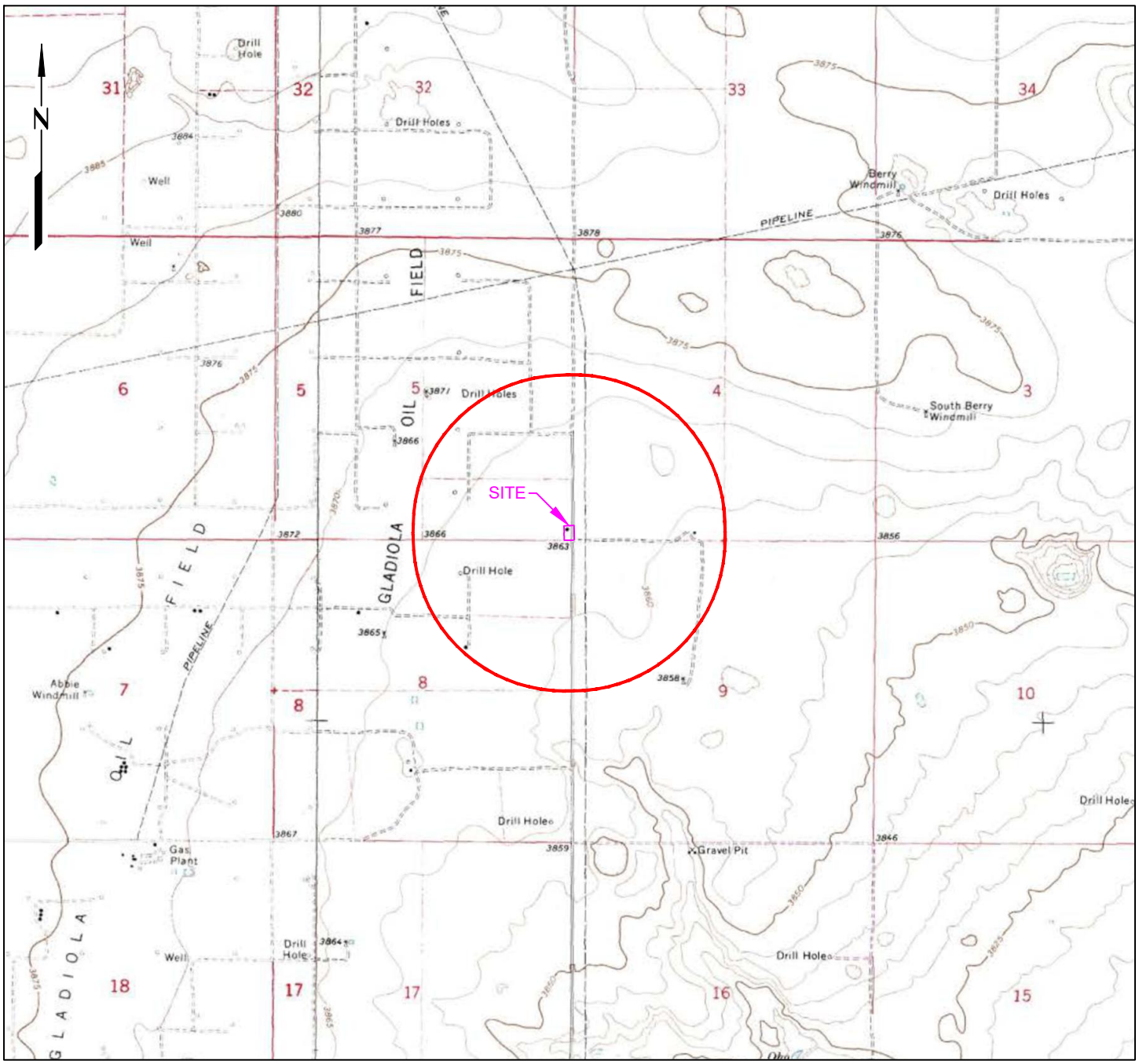
Kleinfelder West, Inc. (Kleinfelder). August 18, 2008. *Stage 1 Site Abatement Report, Gladiola Station, Lea County, New Mexico.*

New Mexico Oil Conservation Division (NMOCD). August 13, 1993. *Guidelines for Remediation of Spills, Leaks, and Releases.*

New Mexico Oil Conservation Division (NMOCD). December 7, 2020. Electronic correspondence from Bradford Billings of NMOCD to Marla Madden of ExxonMobil and James Anderson of Cardno. “Subject: RE Notification of 2H20 Groundwater Monitoring Event for ExxonMobil Gladiola Station OCD No. AP038.”



FN 203722919.TOPO05

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

SOURCE: Modified from a map provided by MapPass

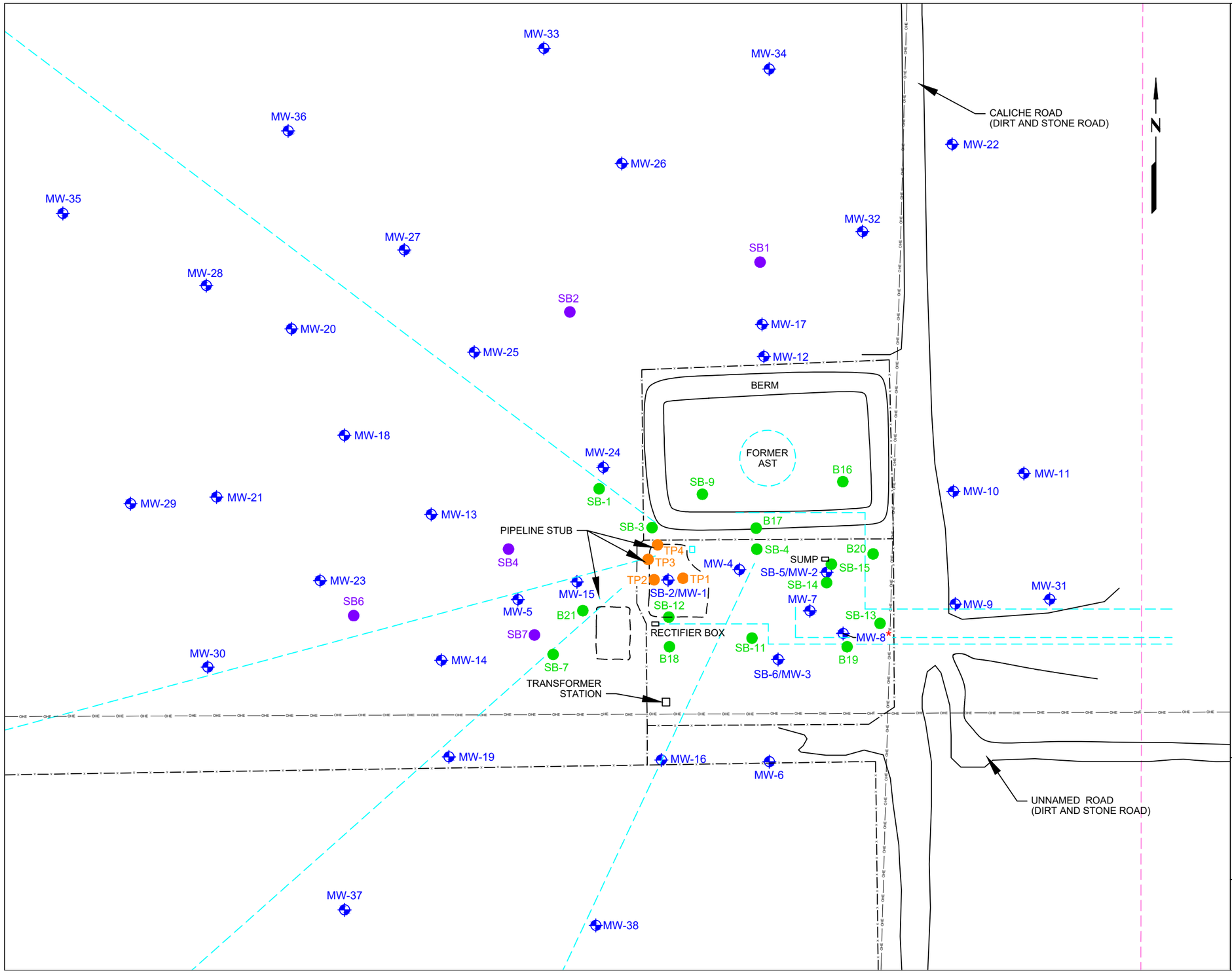
Stantec

SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO. 203722919

PLATE 1



EXPLANATION

MW-38	Groundwater monitoring well
B21	Soil boring
SB-13	Soil boring (Kleinfelder 2004-2006)
SB7	Soil boring (2011)
TP4	Test collection point boring
*	Well is presumed to have been destroyed
OHE	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline
	Extent of 2003 remedial soil excavation (both extended to 3 feet bgs)

SOURCE:
Modified from maps provided by Conestoga-Rovers & Associates
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
Google Earth Pro, AECOM and Kleinfelder, Inc.

APPROXIMATE SCALE

0 70 140 FEET

FN 2037229190006

GENERALIZED SITE PLAN

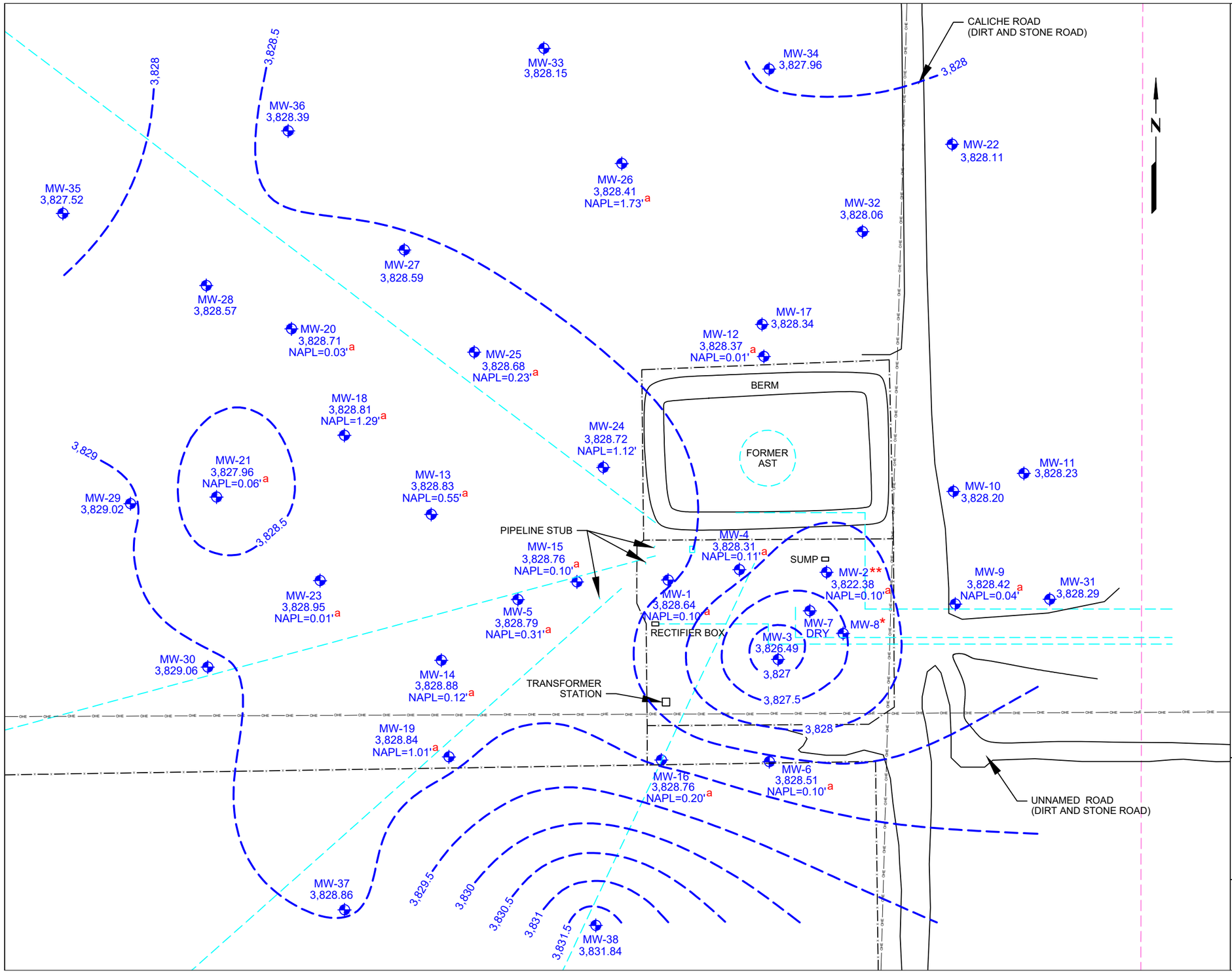
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO. 203722919

PLATE 2

DATE: 09/12/23



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Well not used for contouring
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevation is adjusted for NAPL thickness using a relative density of 0.83
NAPL=1.73'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
Modified from maps provided by
Conestoga-Rovers & Associates
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
Google Earth Pro, AECOM and Kleinfelder, Inc.

APPROXIMATE SCALE

0 70 140
FEET

FN 2037229190006

GROUNDWATER ELEVATION MAP 06/13-14/23 & 06/20-23/23

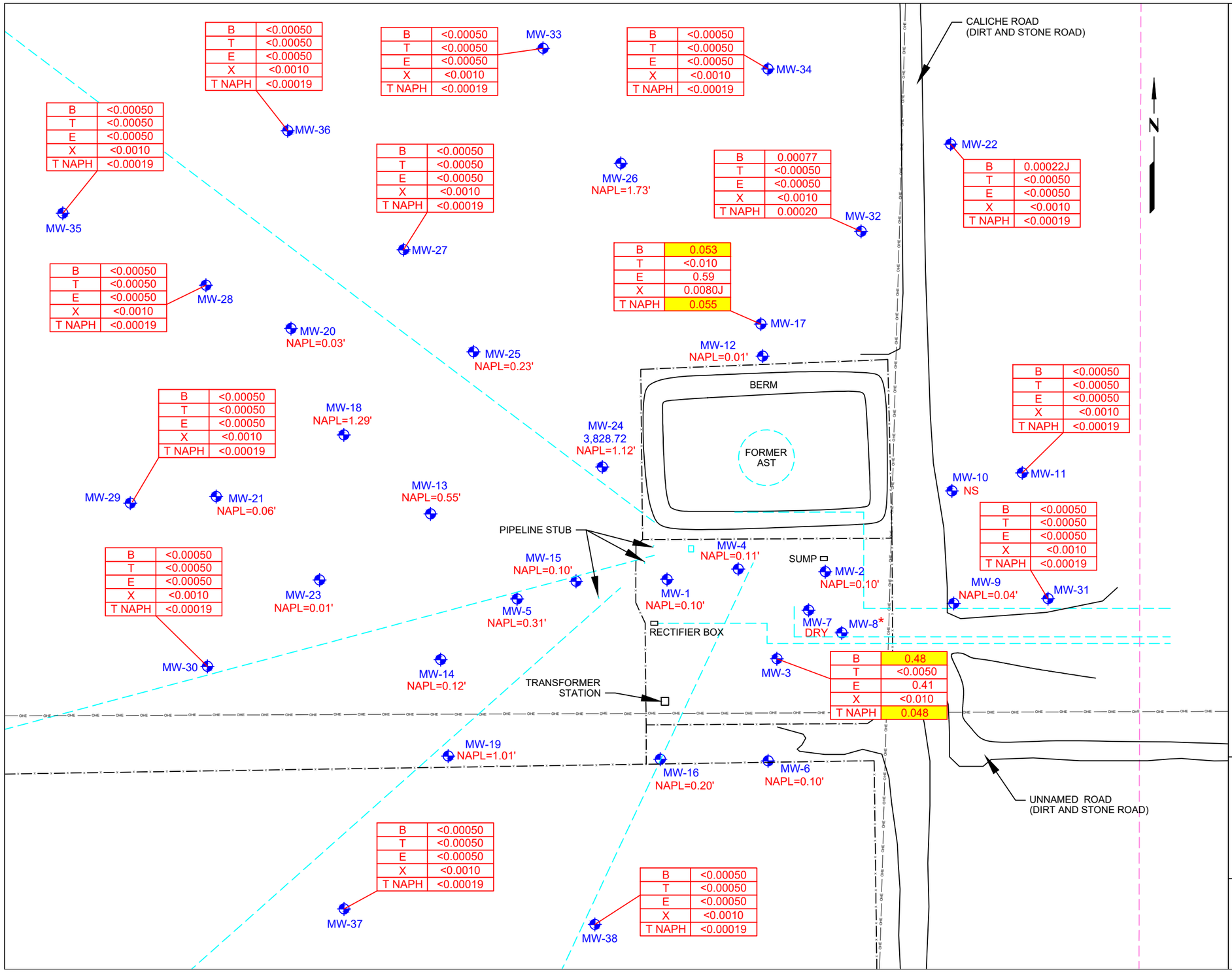
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO. 203722919

PLATE 3

DATE: 09/12/23



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
J	Estimated value between method detection limit and practical quantitation limit
<	Less than the stated laboratory reporting limit
NAPL=1.73'	Non-aqueous phase liquid thickness in feet
NS	Not sampled - insufficient water to sample
0.055	Exceeds NMED WQCC HHS (0.005 mg/l for benzene) (0.03 mg/l for total naphthalene)
B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes
T NAPH	Total naphthalene

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Conestoga-Rovers & Associates
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
Google Earth Pro, AECOM and Kleinfelder, Inc.

APPROXIMATE SCALE

0 70 140
FEET

FN 2037229190006

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS 06/13-14/23 & 06/20-23/23

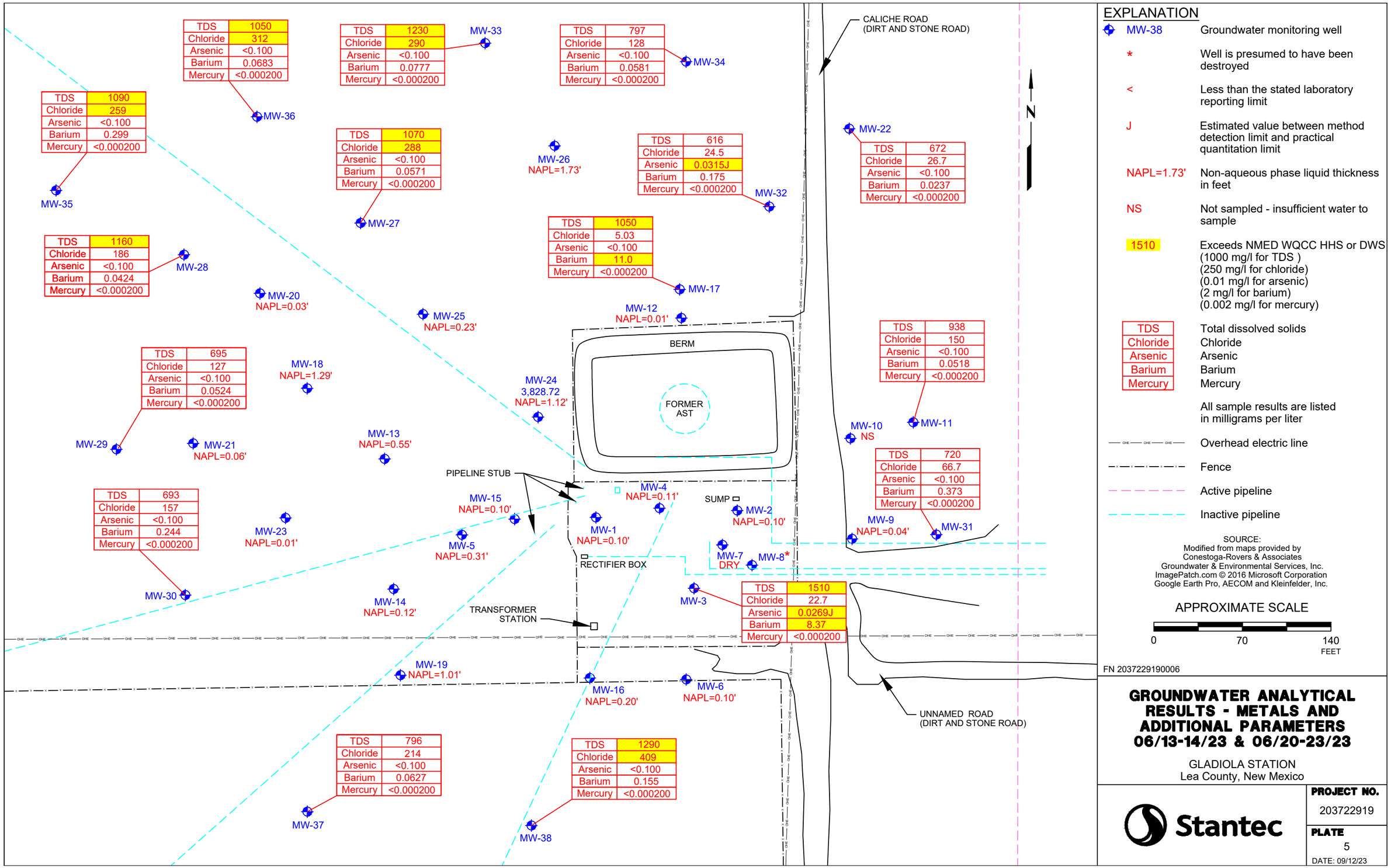
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
203722919

PLATE
4

DATE: 09/12/23



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.73'	Non-aqueous phase liquid thickness in feet
NS	Not sampled - insufficient water to sample
1510	Exceeds NMED WQCC HHS or DWS (1000 mg/l for TDS) (250 mg/l for chloride) (0.01 mg/l for arsenic) (2 mg/l for barium) (0.002 mg/l for mercury)
TDS	Total dissolved solids
Chloride	Chloride
Arsenic	Arsenic
Barium	Barium
Mercury	Mercury

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Conestoga-Rovers & Associates
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
Google Earth Pro, AECOM and Kleinfelder, Inc.

APPROXIMATE SCALE

0 70 140 FEET

FN 2037229190006

GROUNDWATER ANALYTICAL RESULTS - METALS AND ADDITIONAL PARAMETERS 06/13-14/23 & 06/20-23/23

GLADIOLA STATION
Lea County, New Mexico

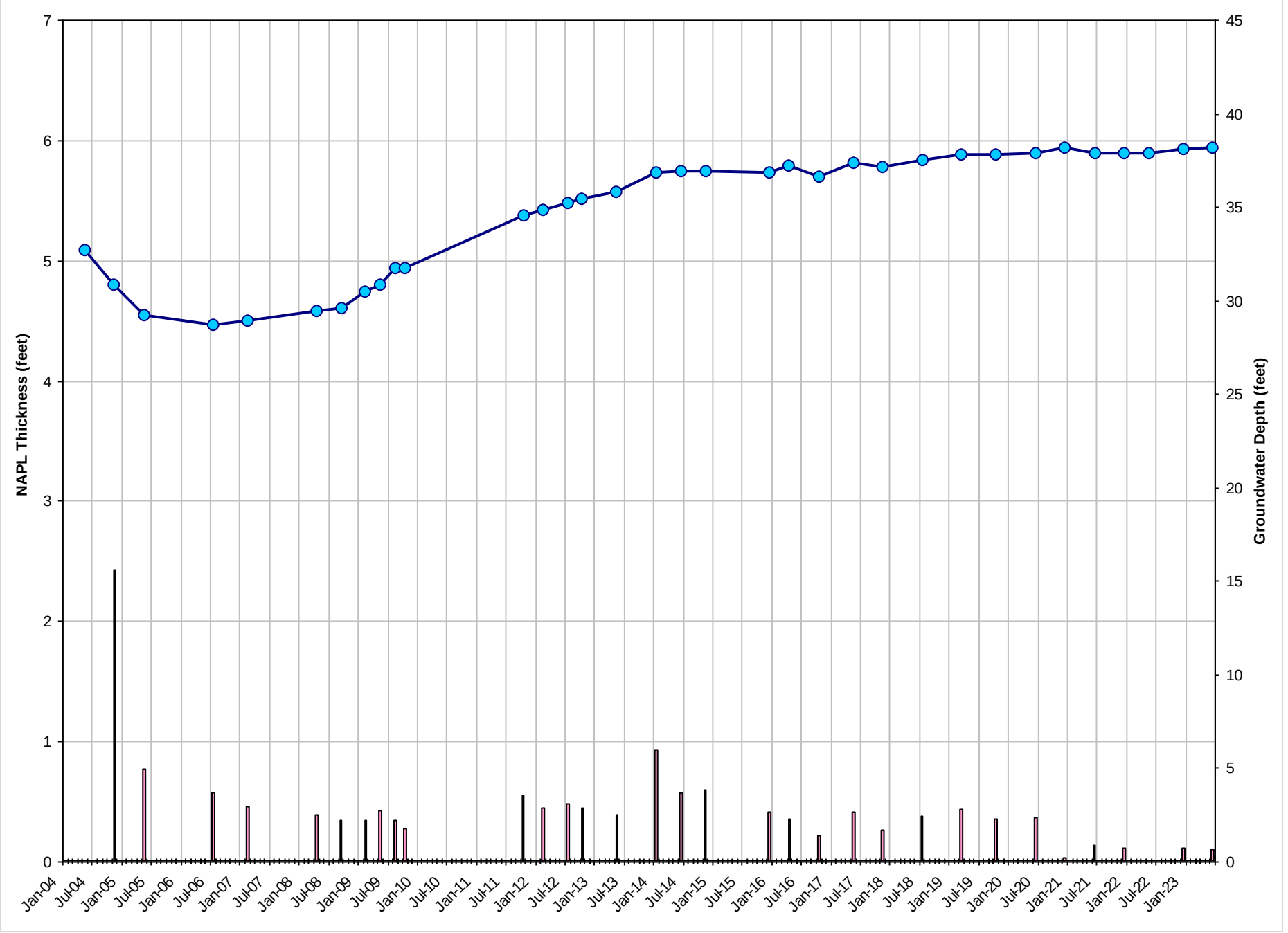
Stantec

PROJECT NO. 203722919

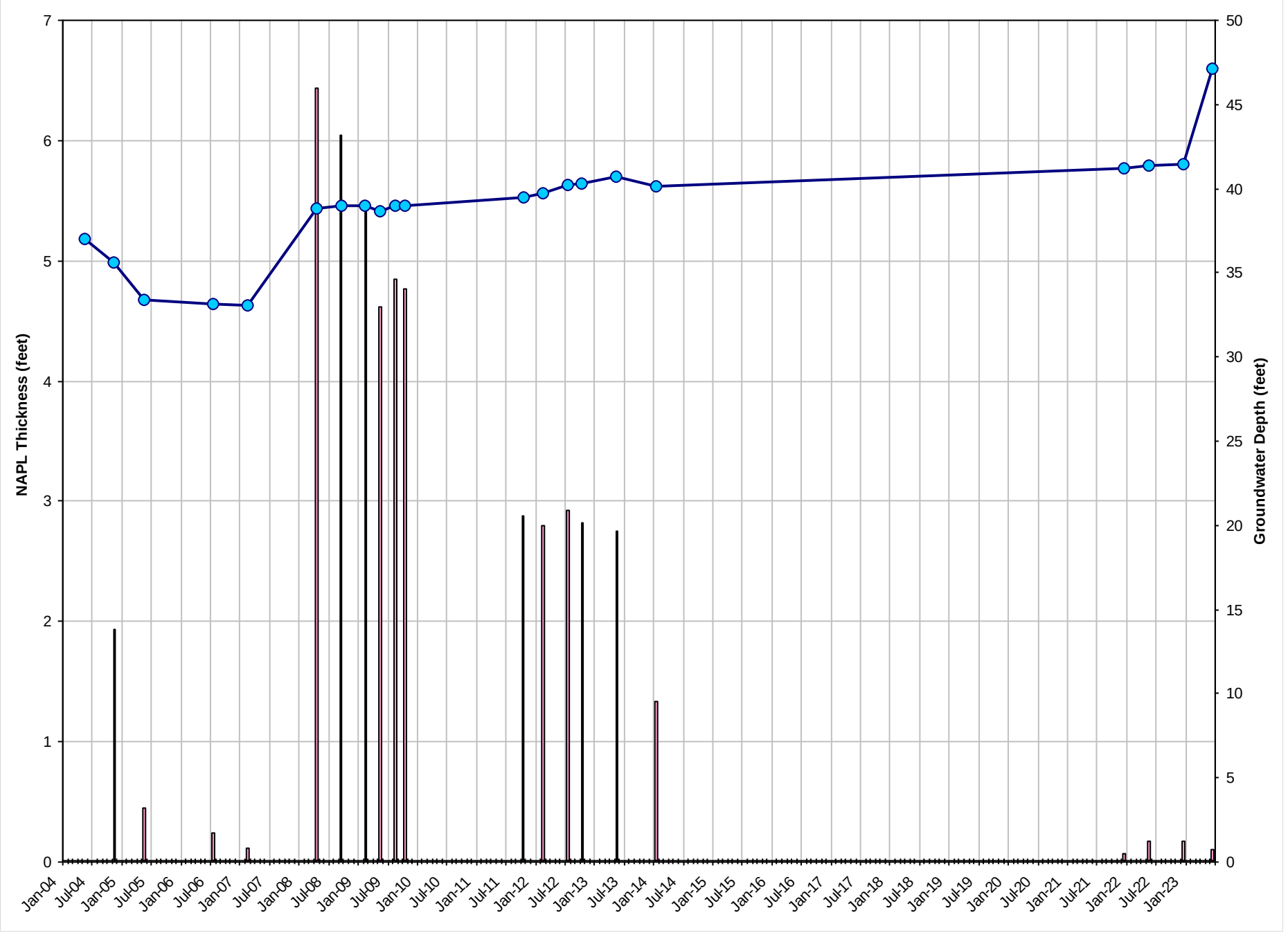
PLATE 5

DATE: 09/12/23

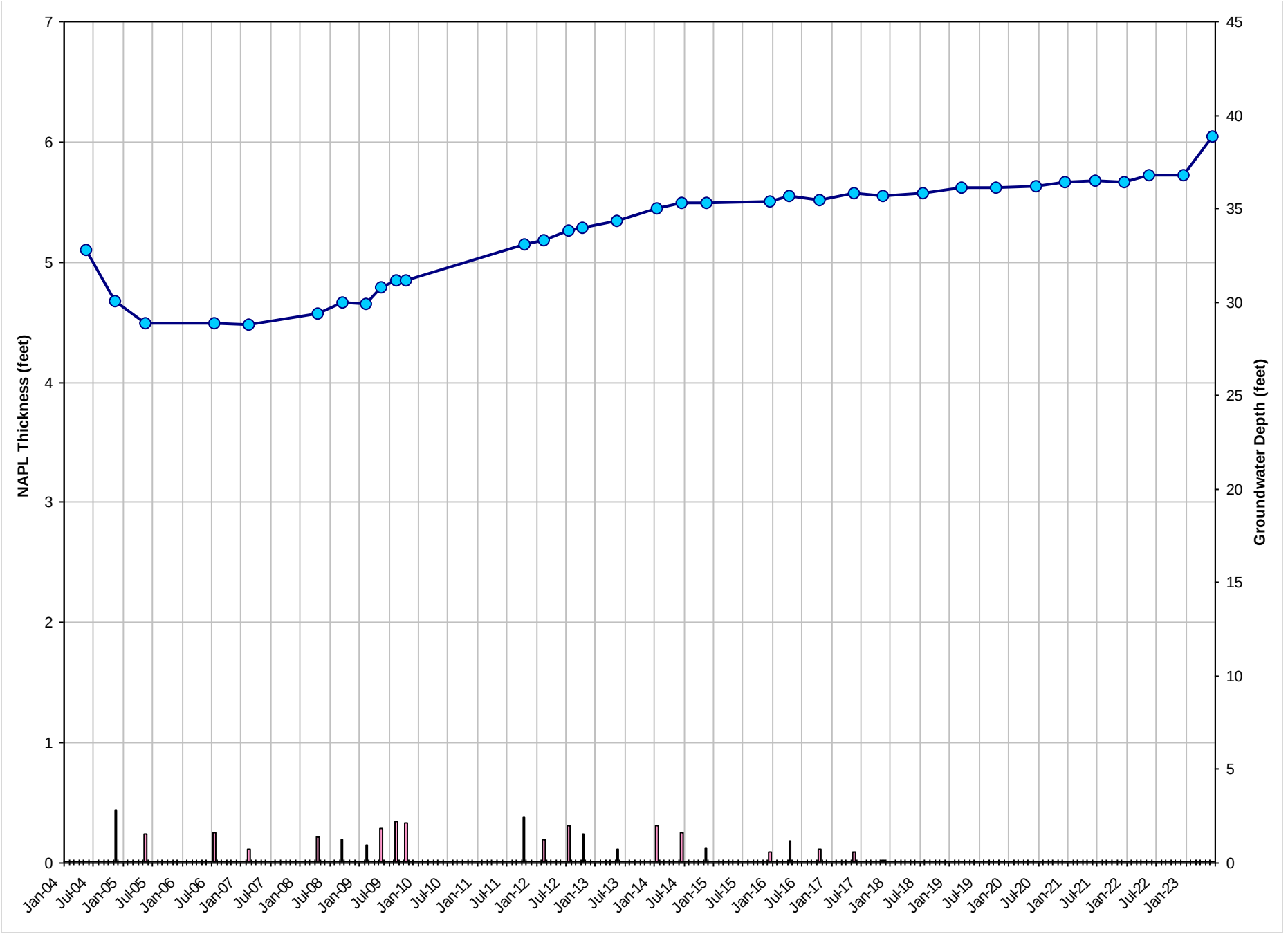
GRAPH 1
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-1
Gladiola Station
Lea County, New Mexico



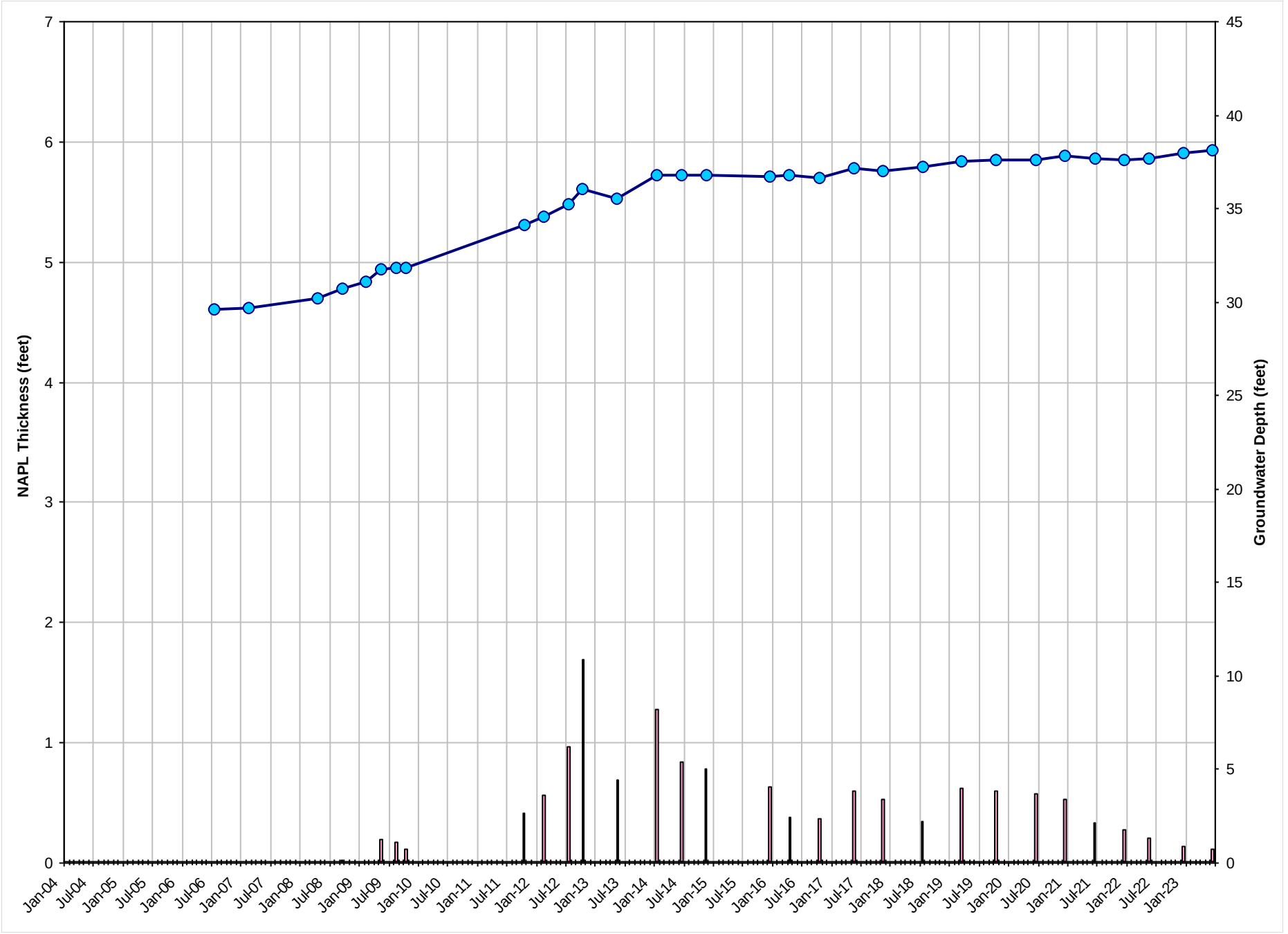
GRAPH 2
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-2
Gladiola Station
Lea County, New Mexico



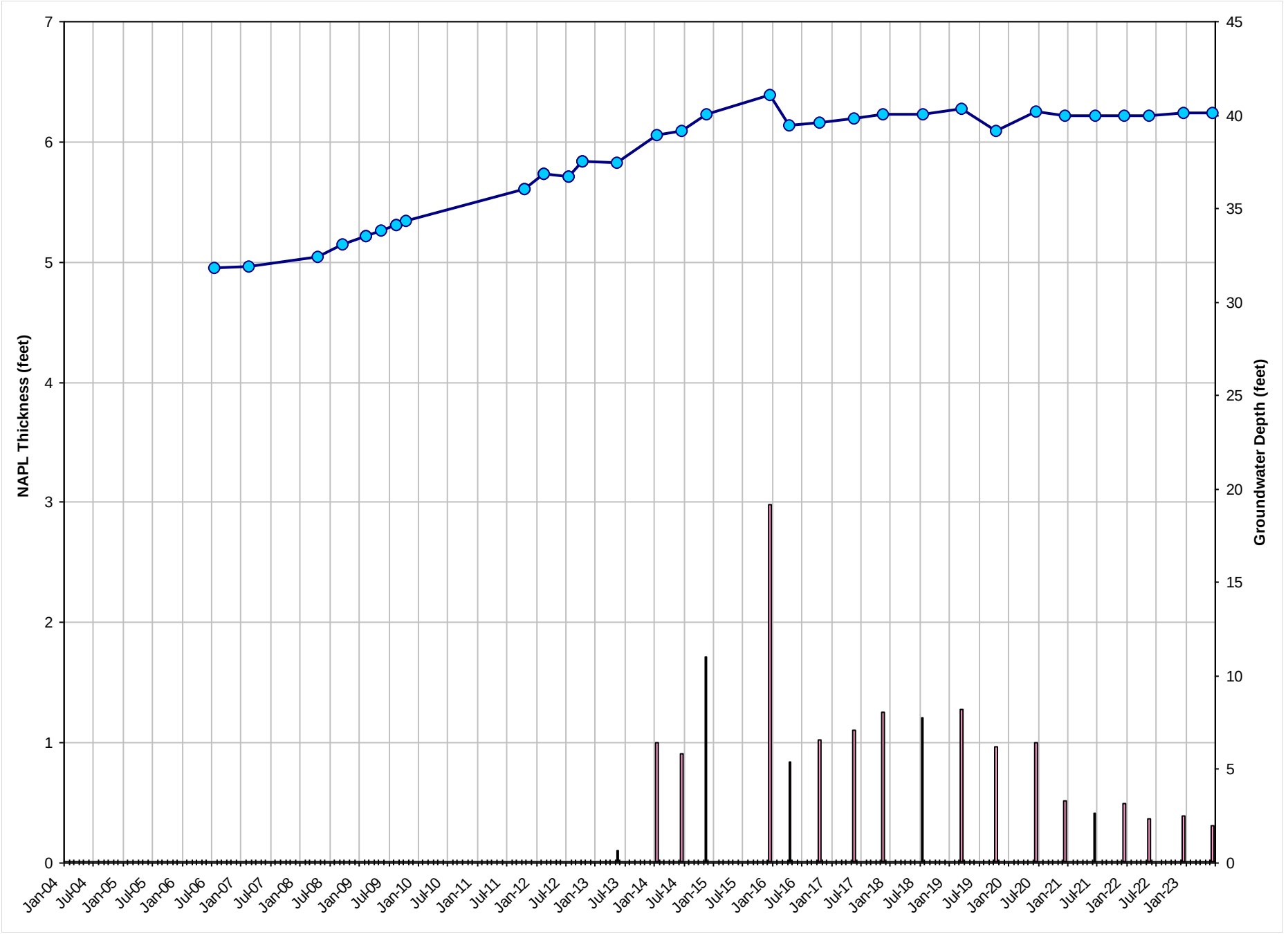
GRAPH 3
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-3
Gladiola Station
Lea County, New Mexico



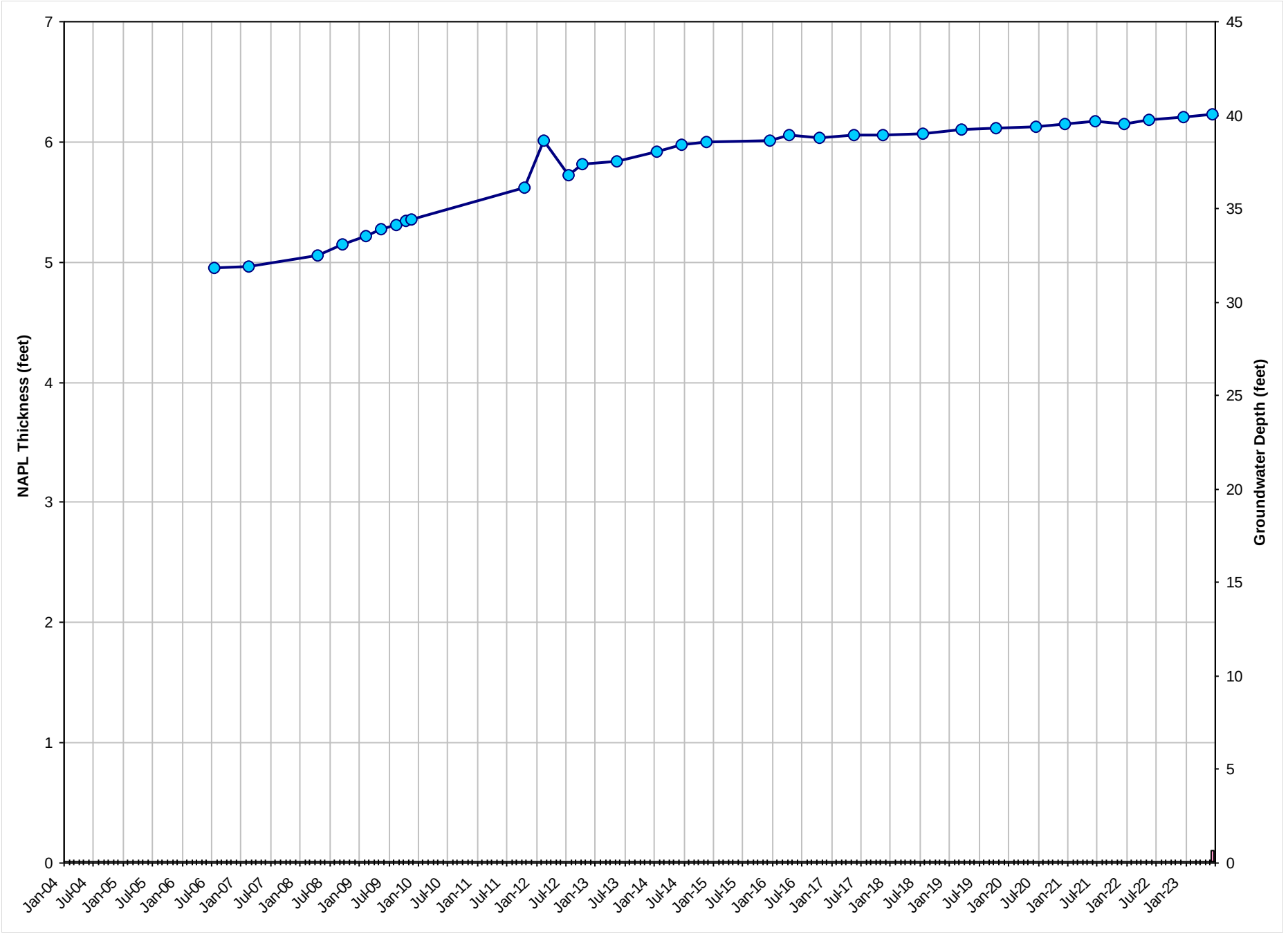
GRAPH 4
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-4
Gladiola Station
Lea County, New Mexico



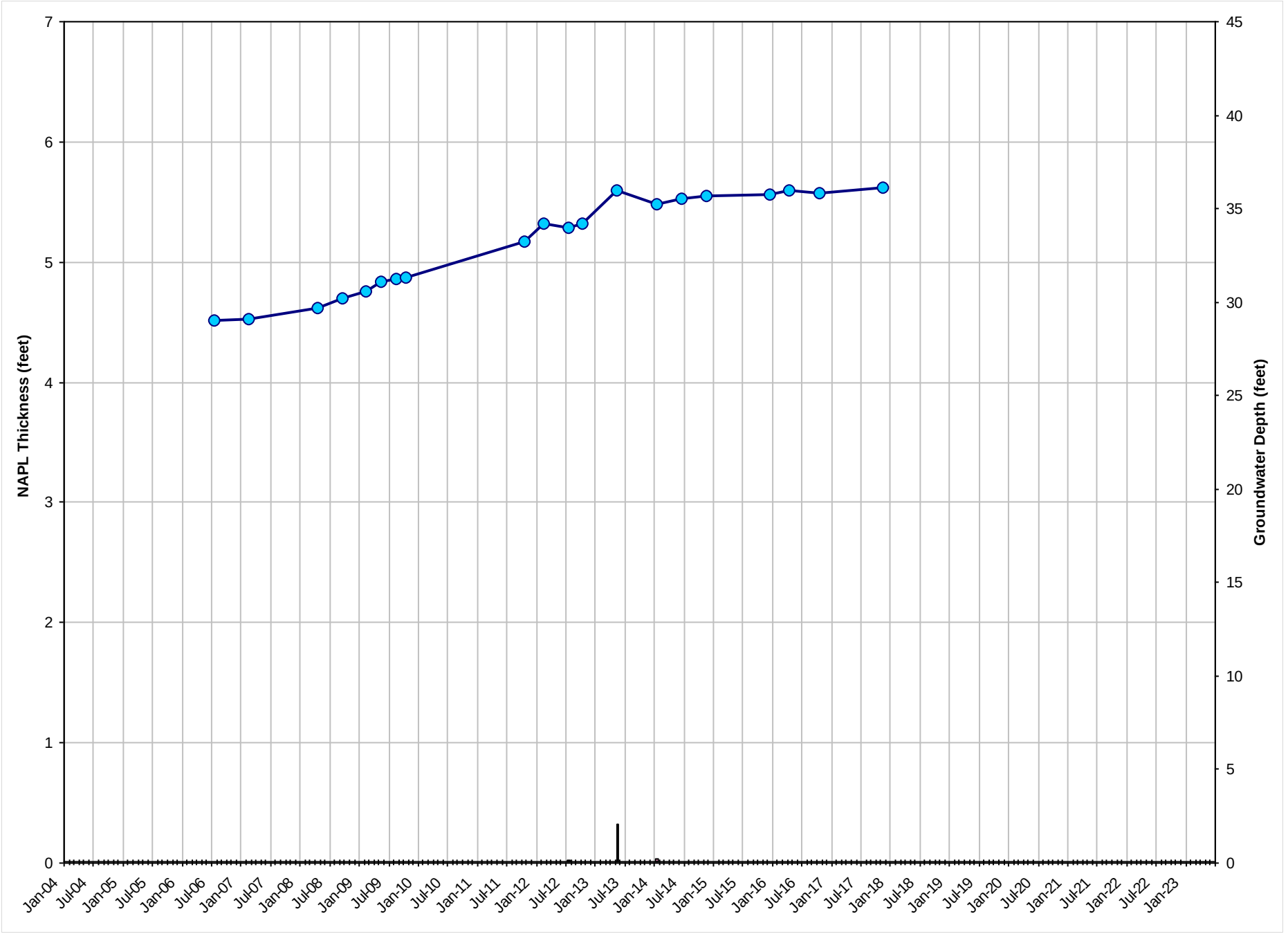
GRAPH 5
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-5
Gladiola Station
Lea County, New Mexico



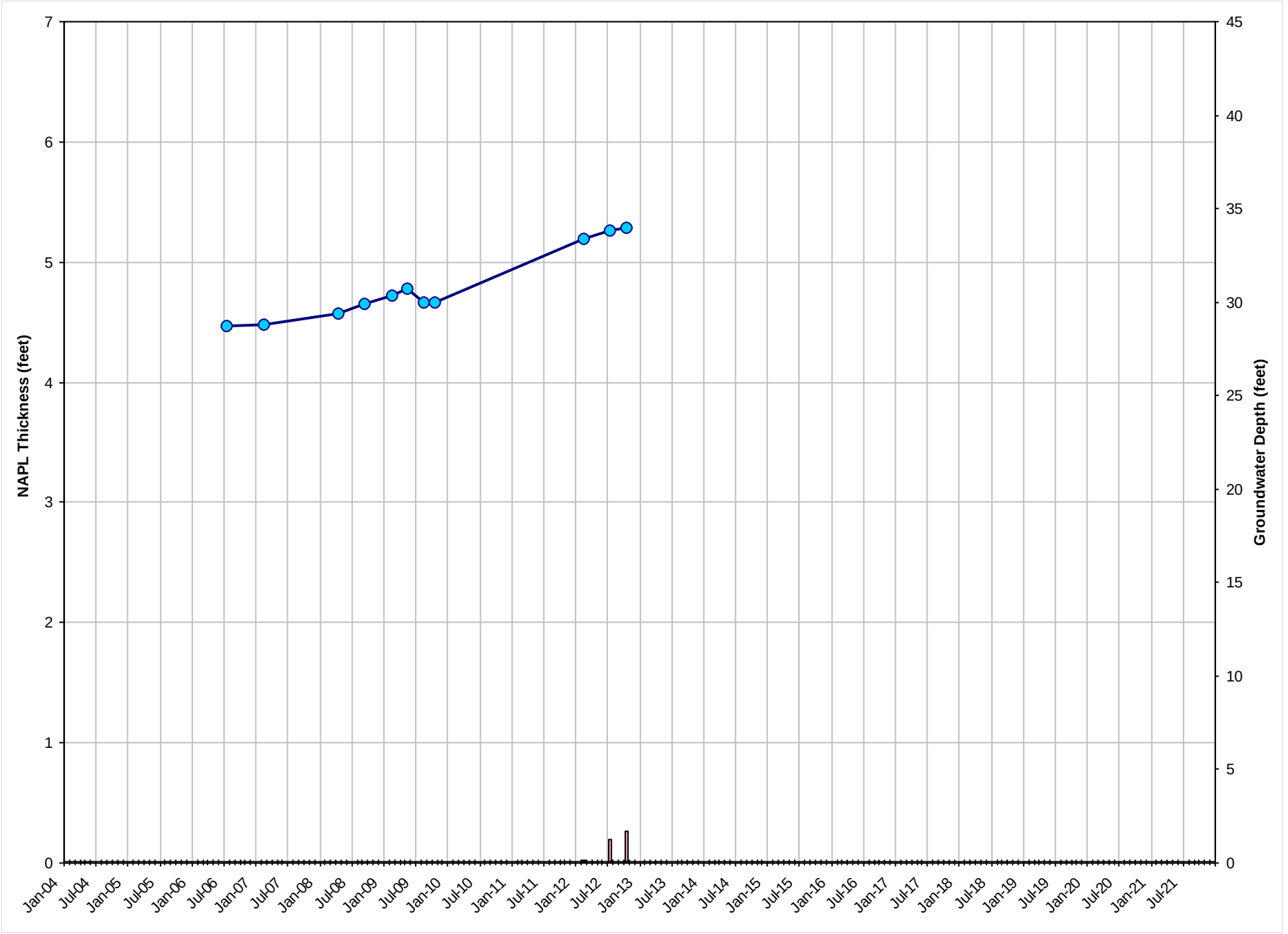
GRAPH 6
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-6
Gladiola Station
Lea County, New Mexico



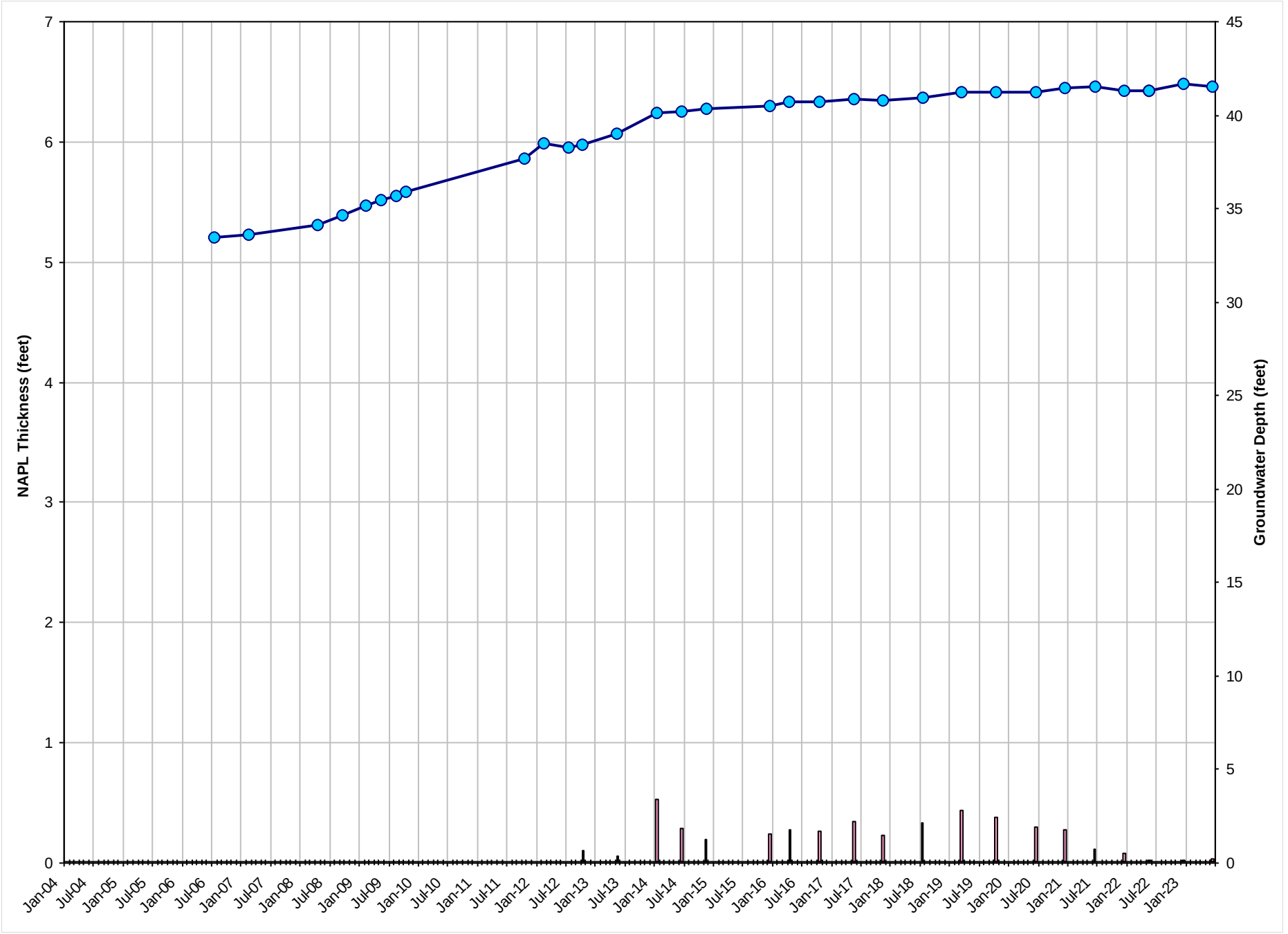
GRAPH 7
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-7
Gladiola Station
Lea County, New Mexico



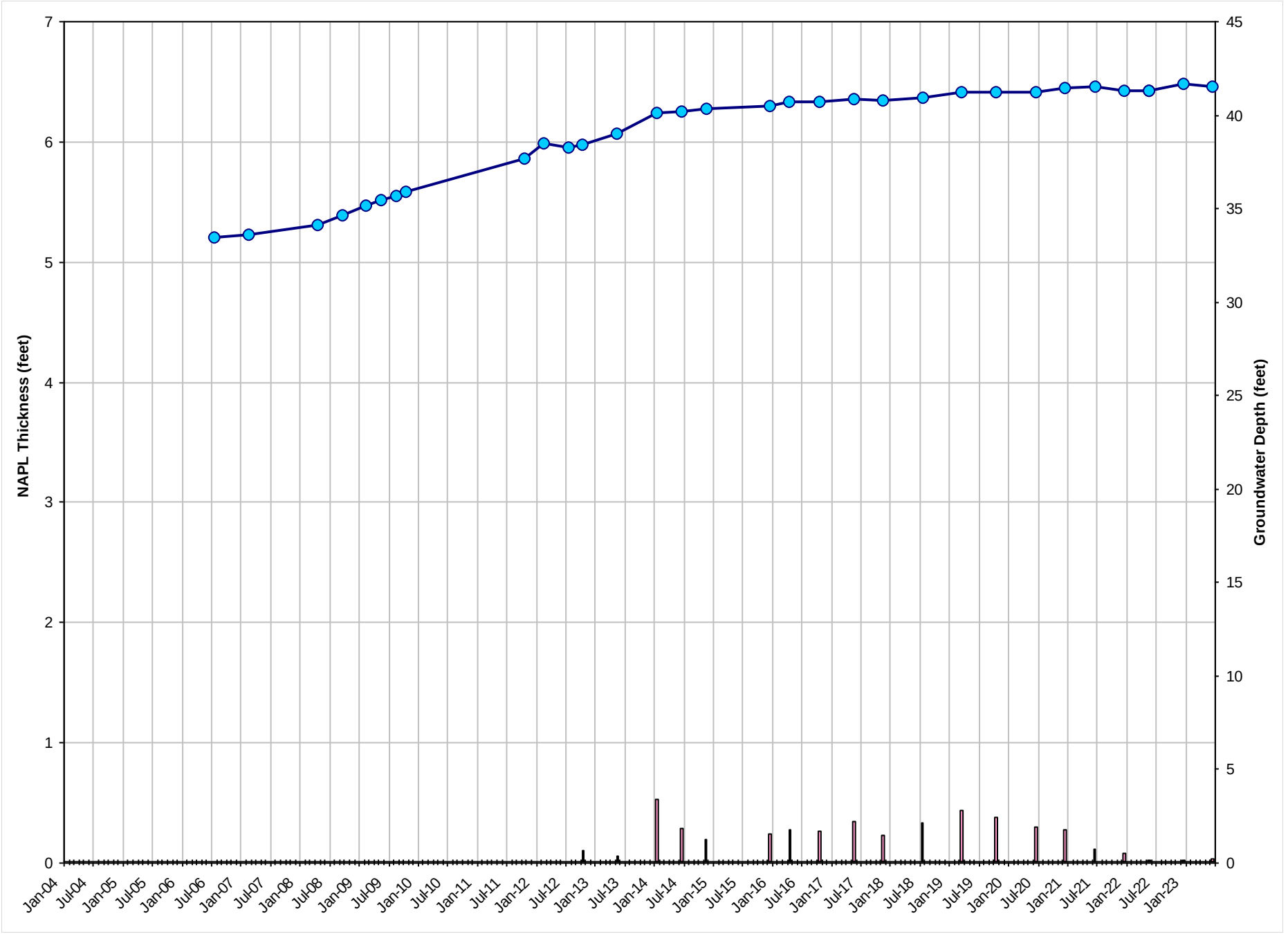
GRAPH 8
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-8
Gladiola Station
Lea County, New Mexico



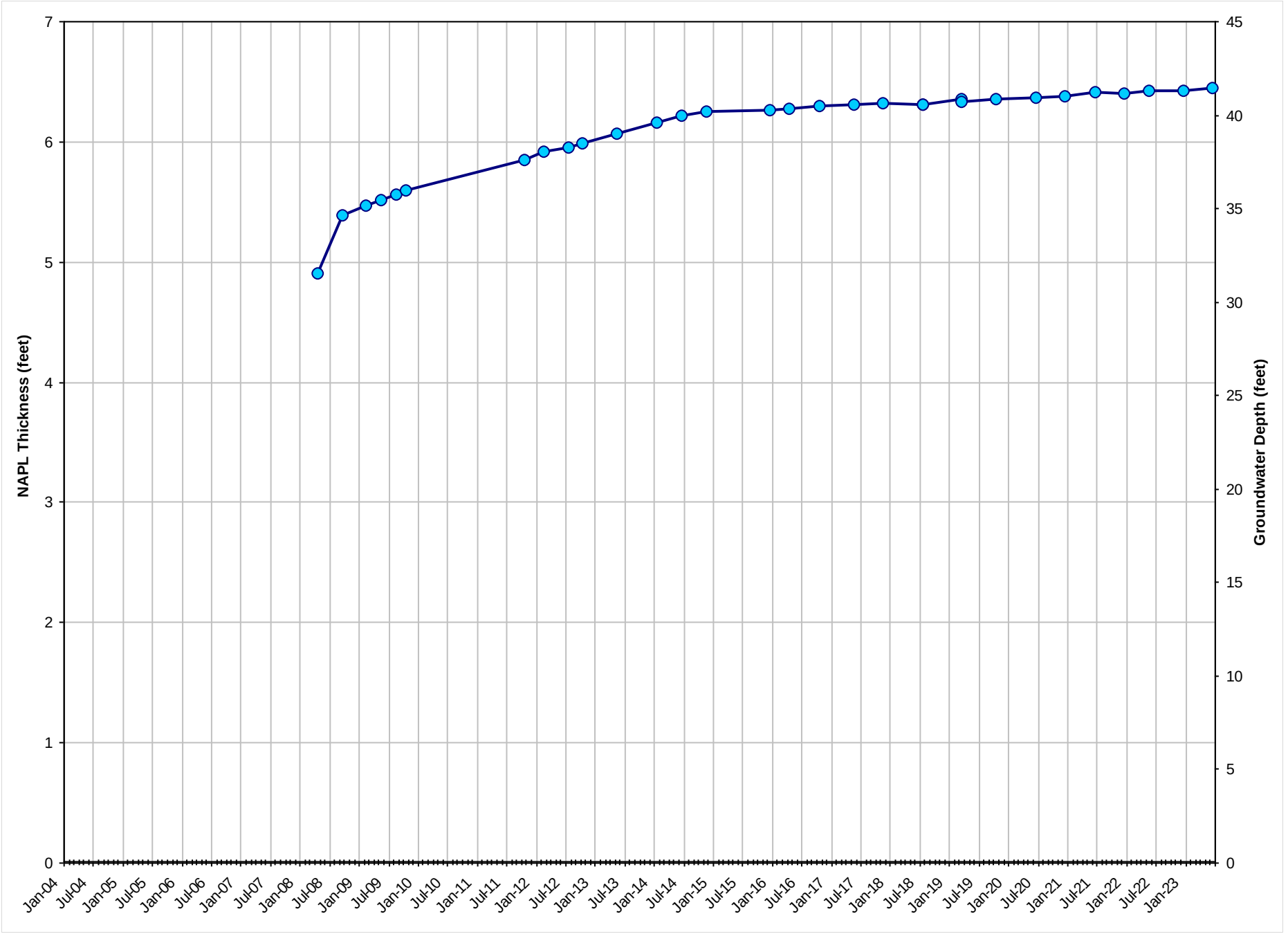
GRAPH 9
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-9
Gladiola Station
Lea County, New Mexico



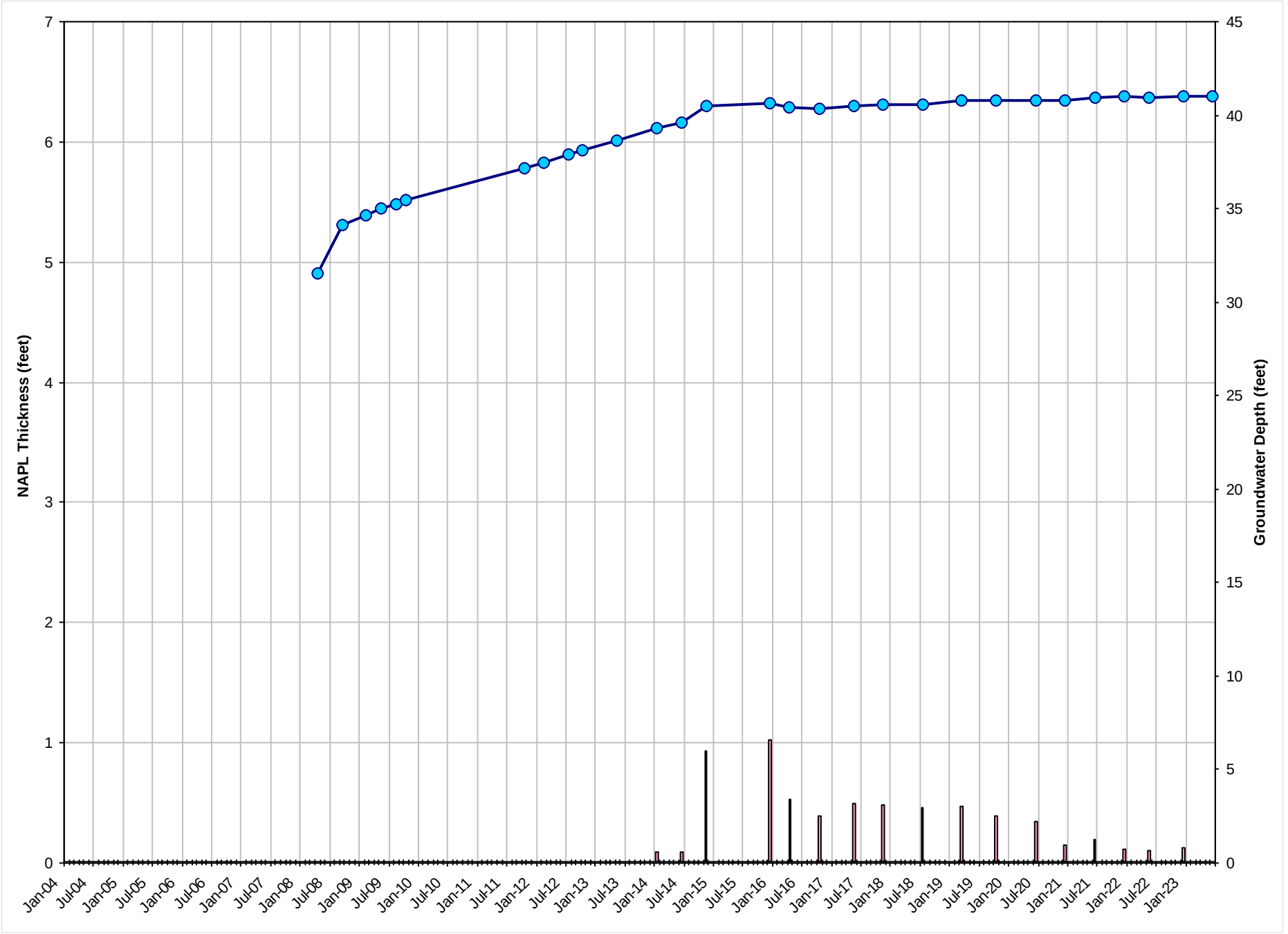
GRAPH 10
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-10
Gladiola Station
Lea County, New Mexico



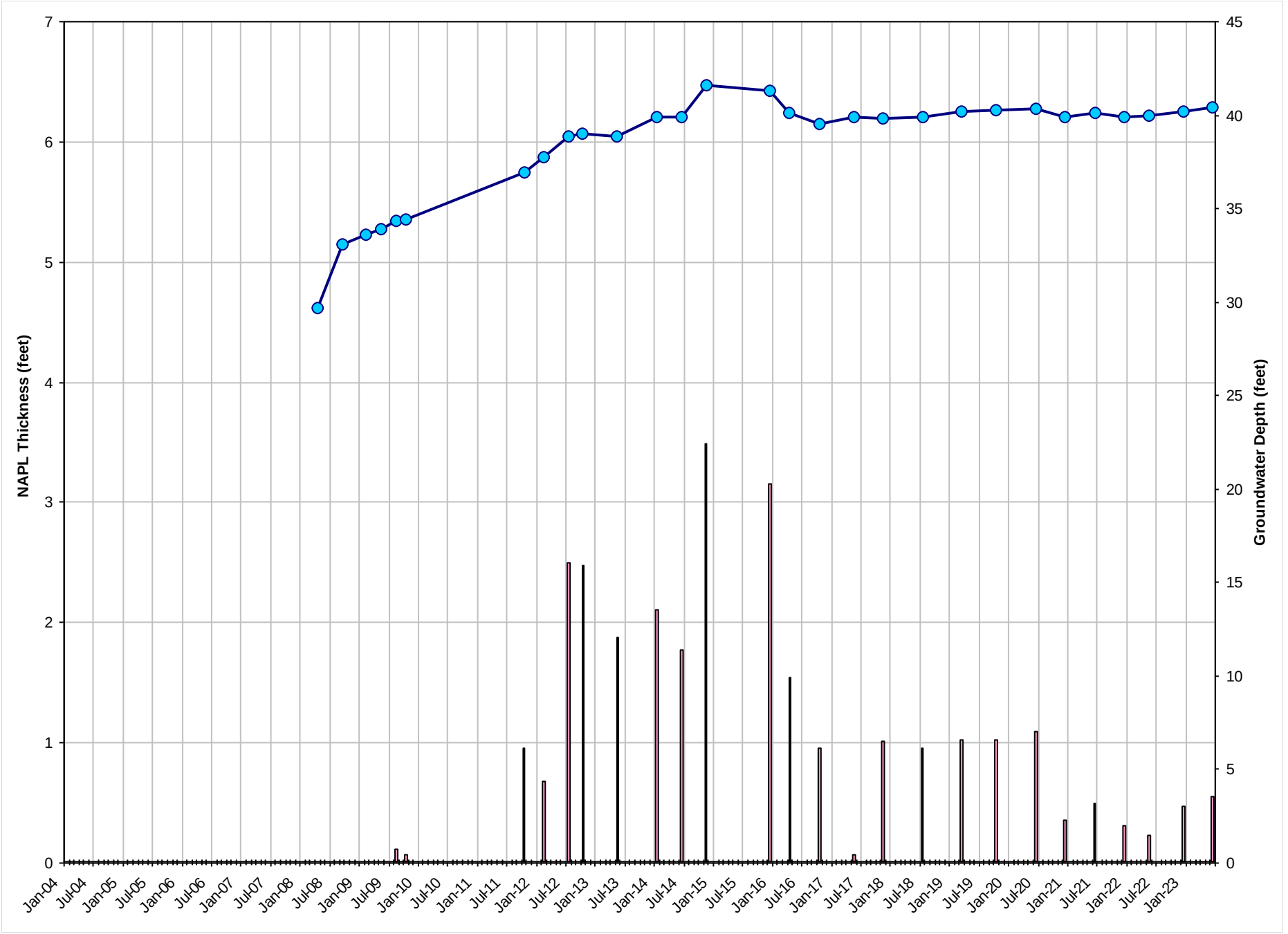
GRAPH 11
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-11
Gladiola Station
Lea County, New Mexico



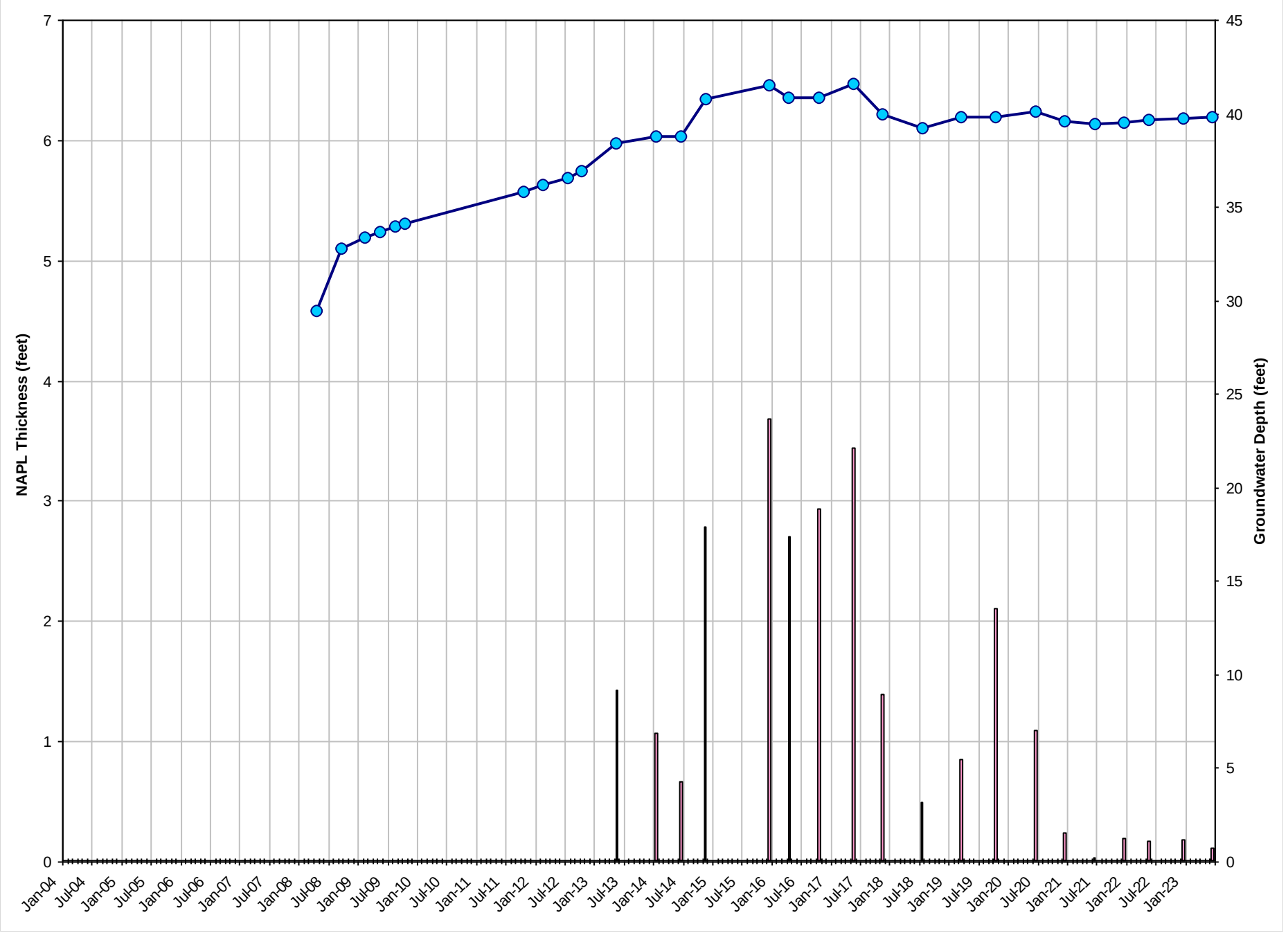
GRAPH 12
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-12
Gladiola Station
Lea County, New Mexico



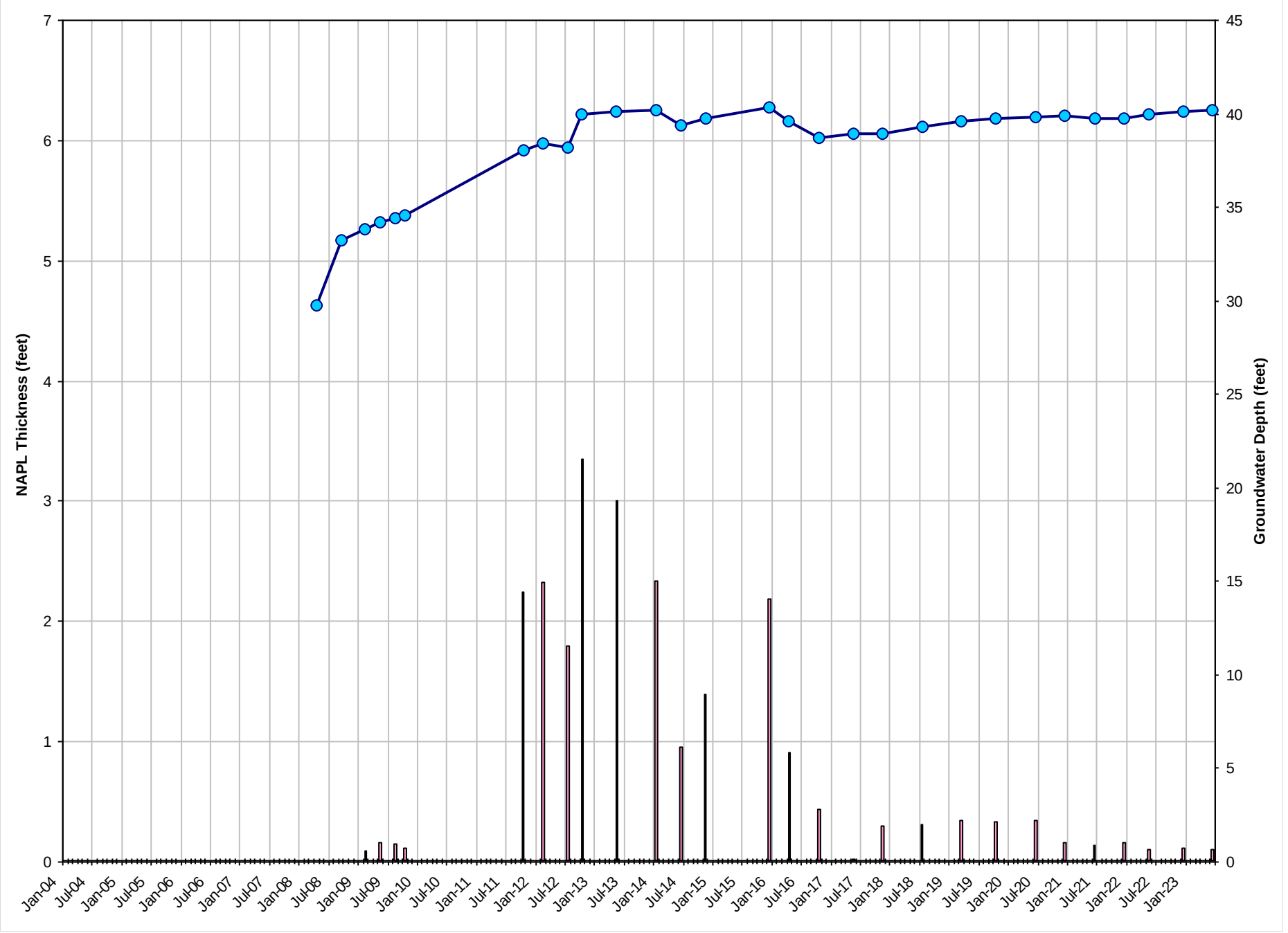
GRAPH 13
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-13
Gladiola Station
Lea County, New Mexico



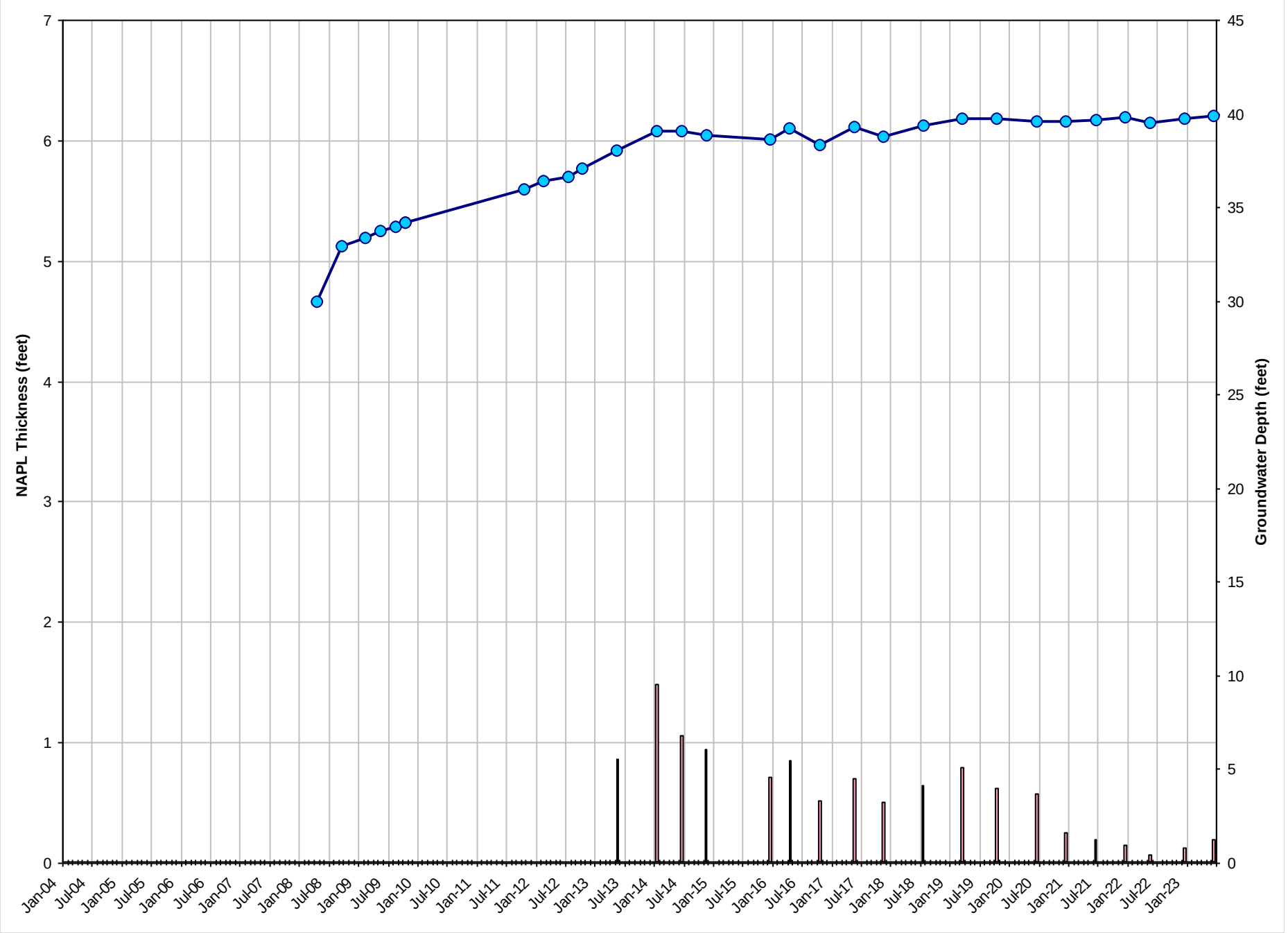
GRAPH 14
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-14
Gladiola Station
Lea County, New Mexico



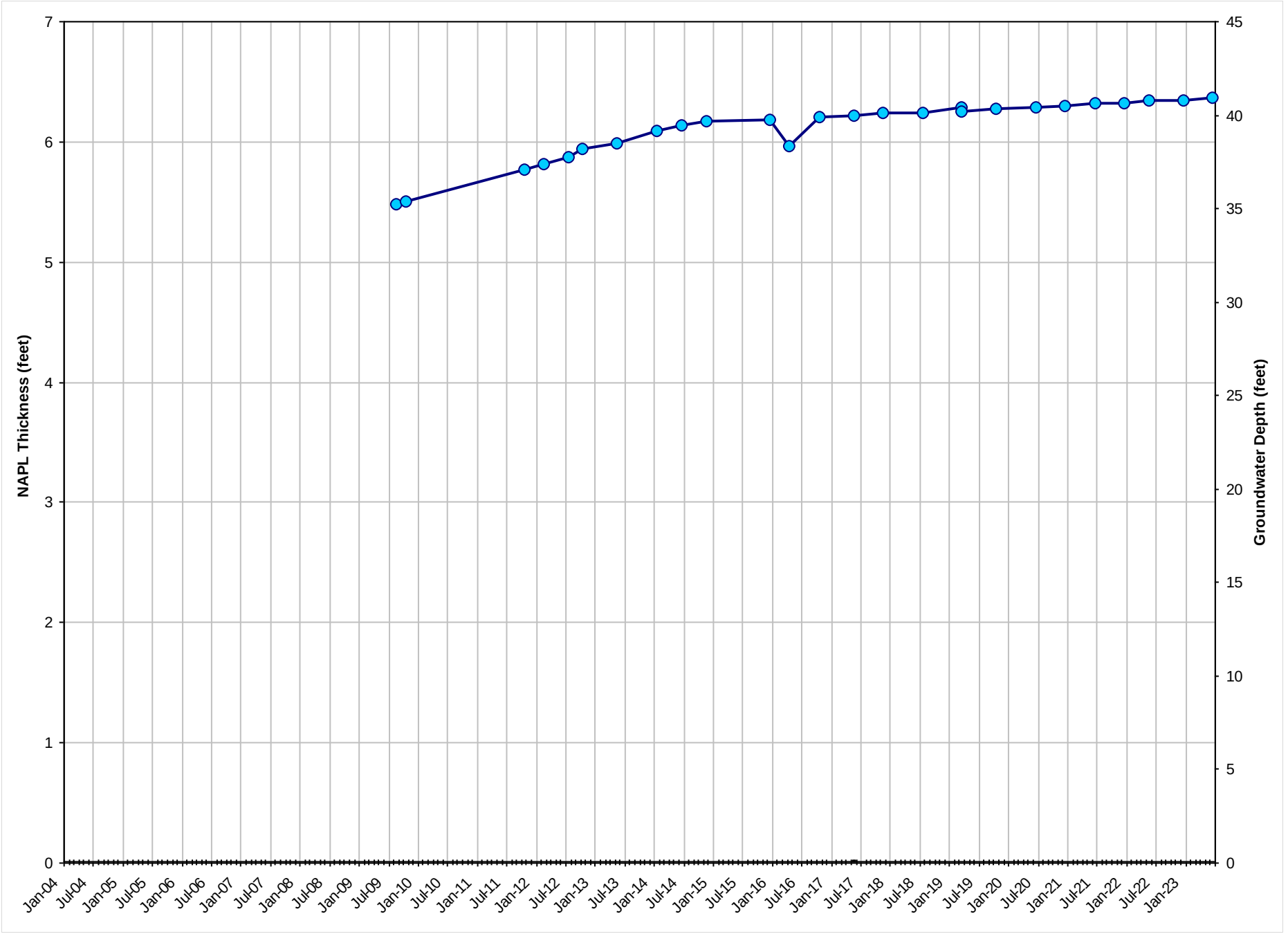
GRAPH 15
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-15
Gladiola Station
Lea County, New Mexico



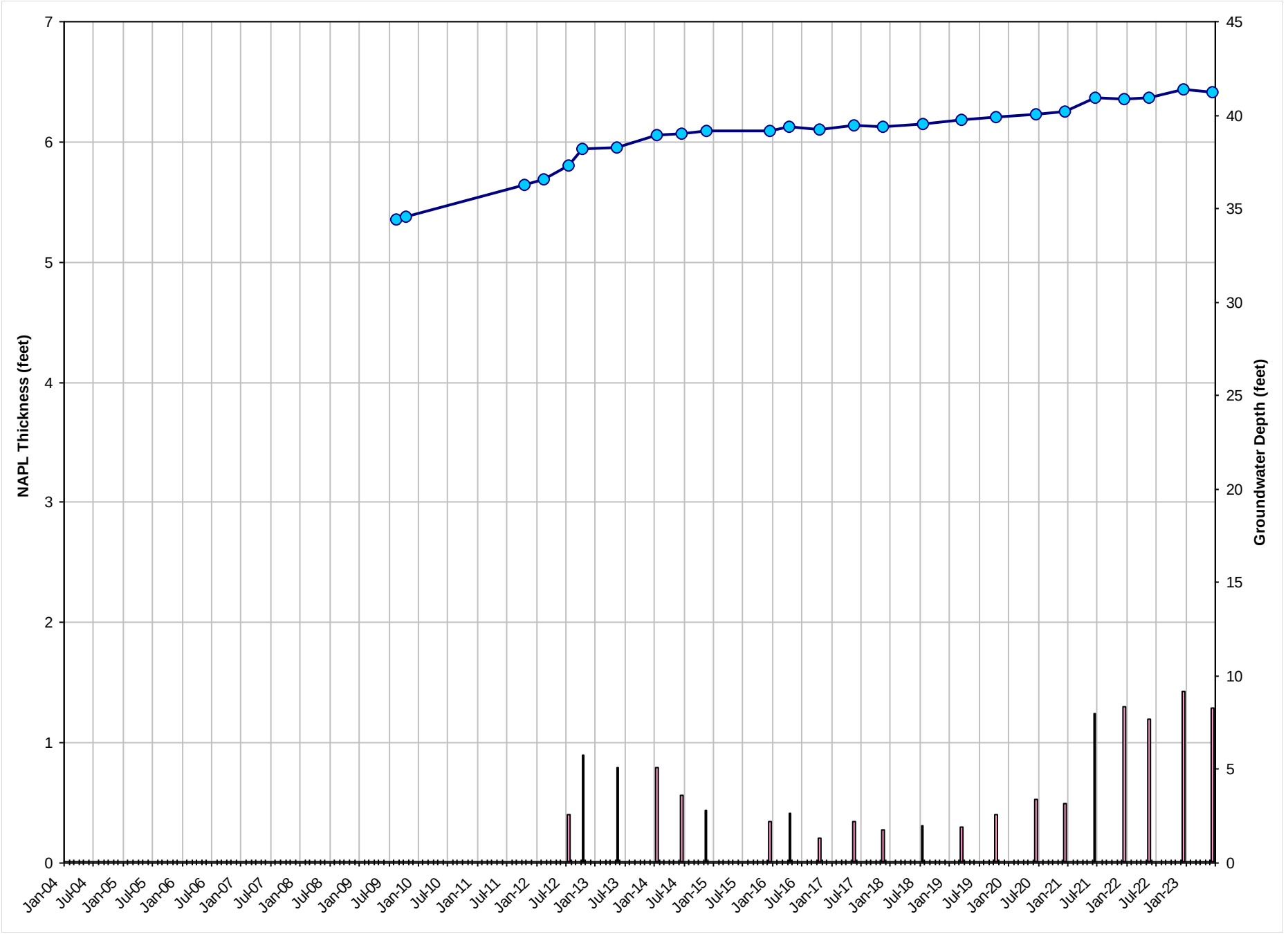
GRAPH 16
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-16
Gladiola Station
Lea County, New Mexico



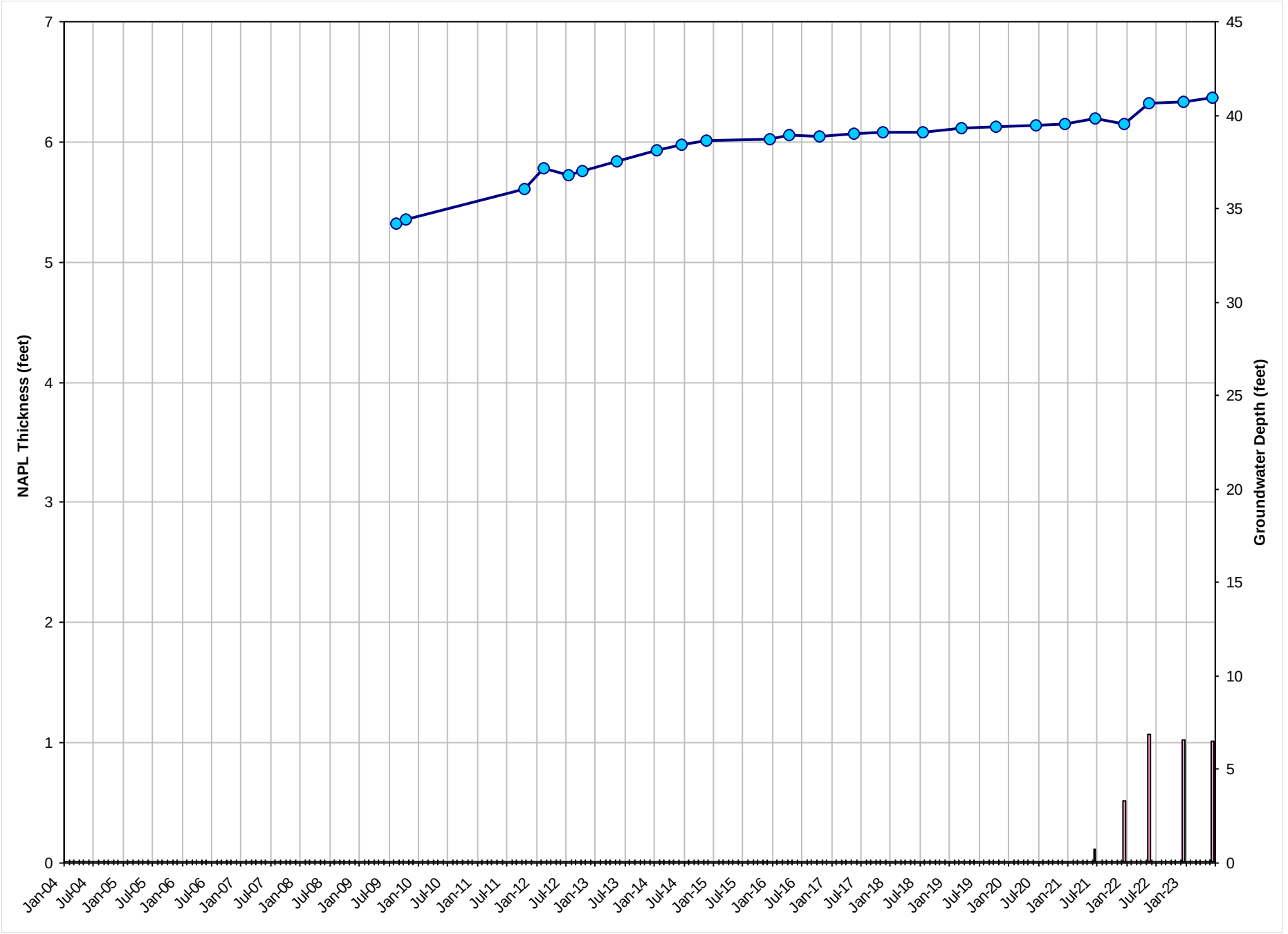
GRAPH 17
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-17
Gladiola Station
Lea County, New Mexico



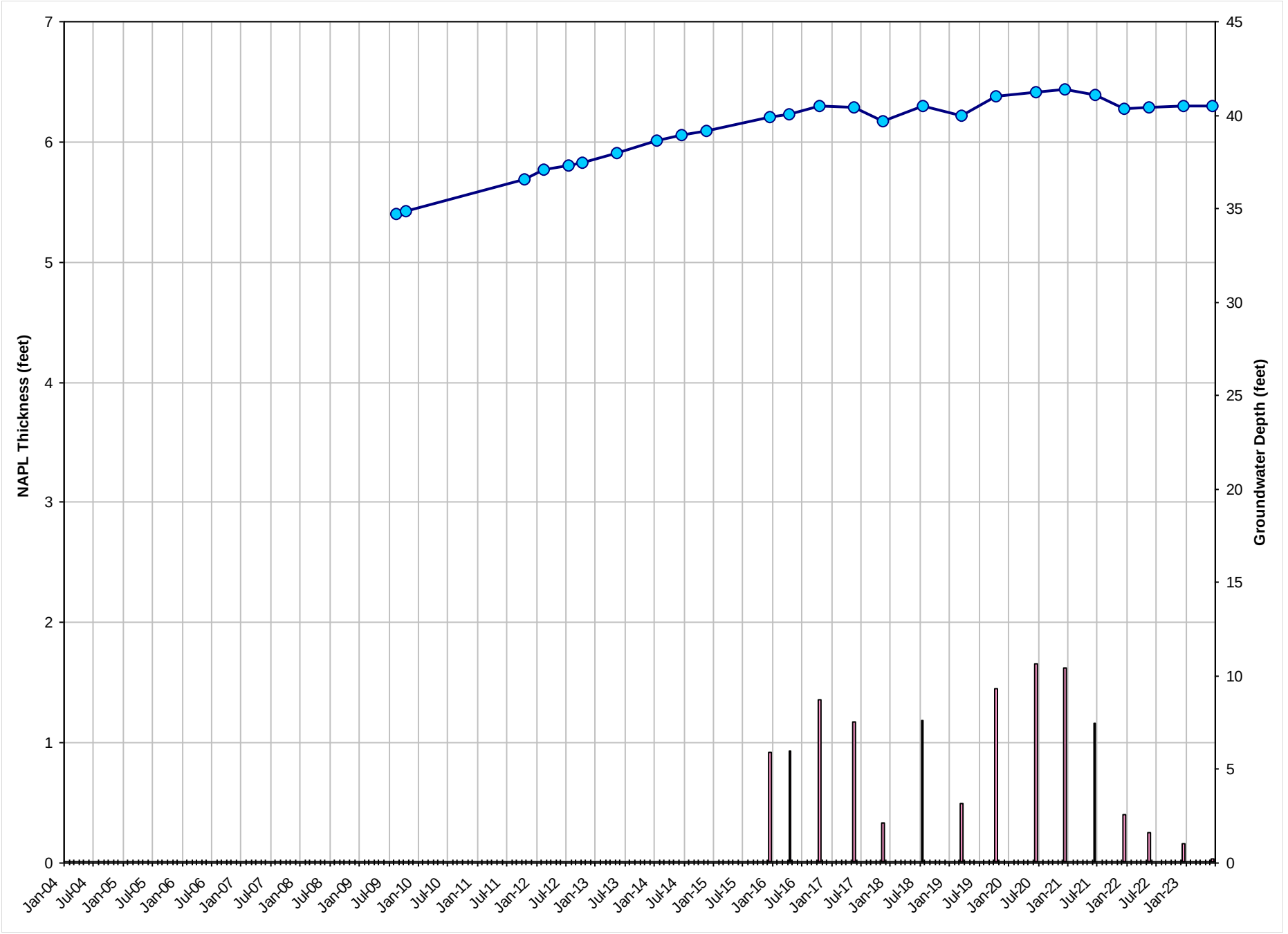
GRAPH 18
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-18
Gladiola Station
Lea County, New Mexico



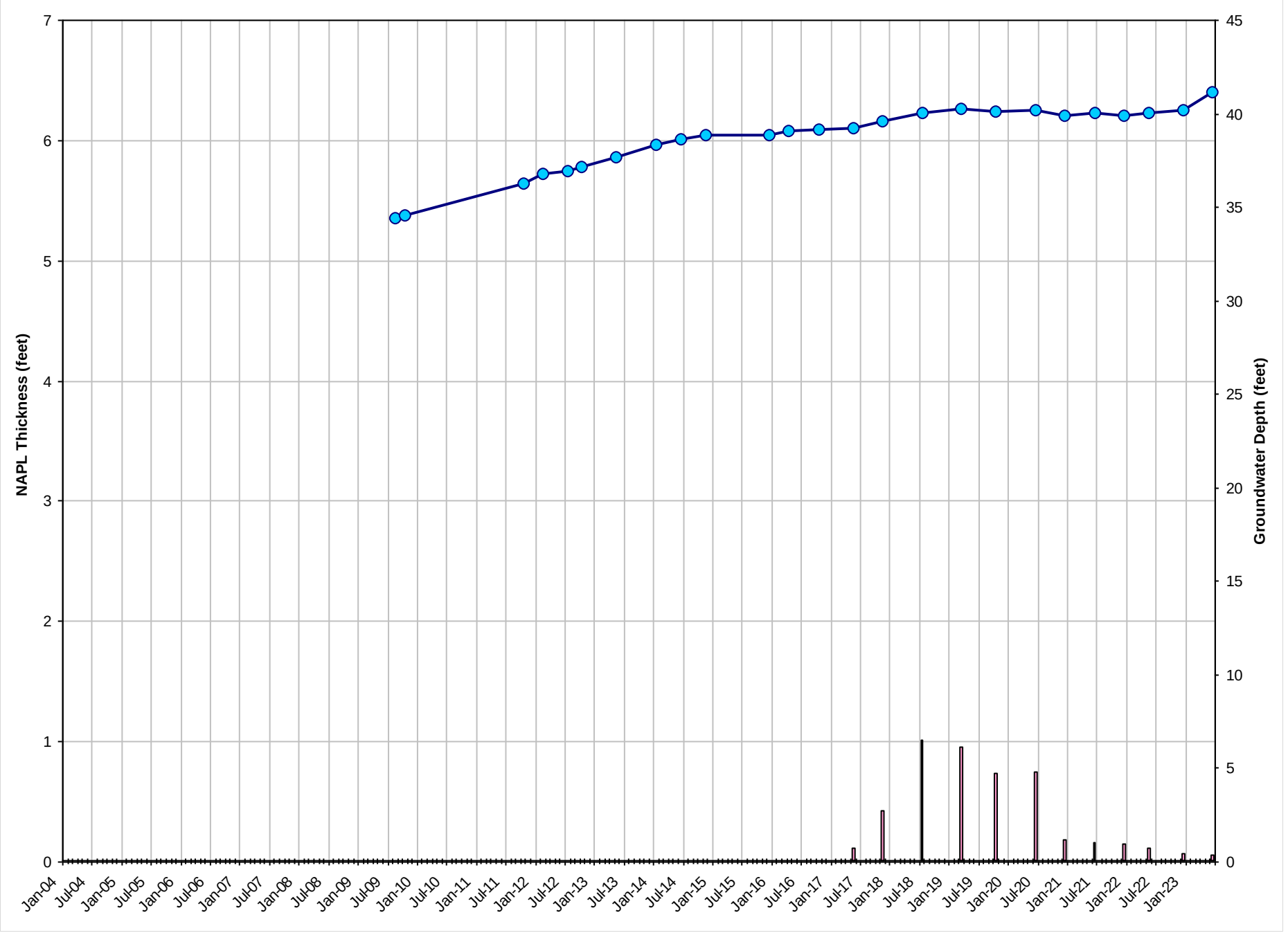
GRAPH 19
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-19
Gladiola Station
Lea County, New Mexico



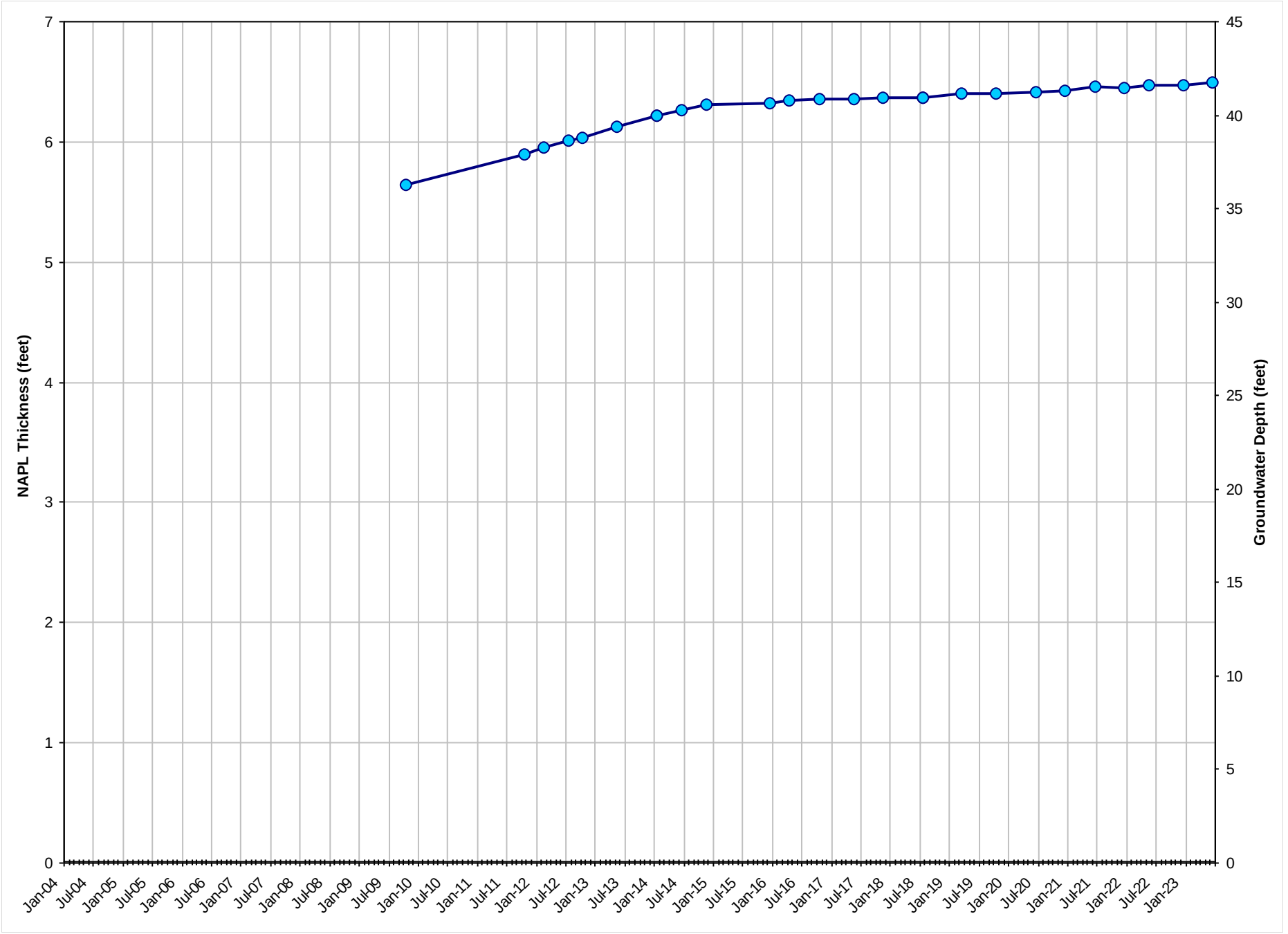
GRAPH 20
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-20
Gladiola Station
Lea County, New Mexico



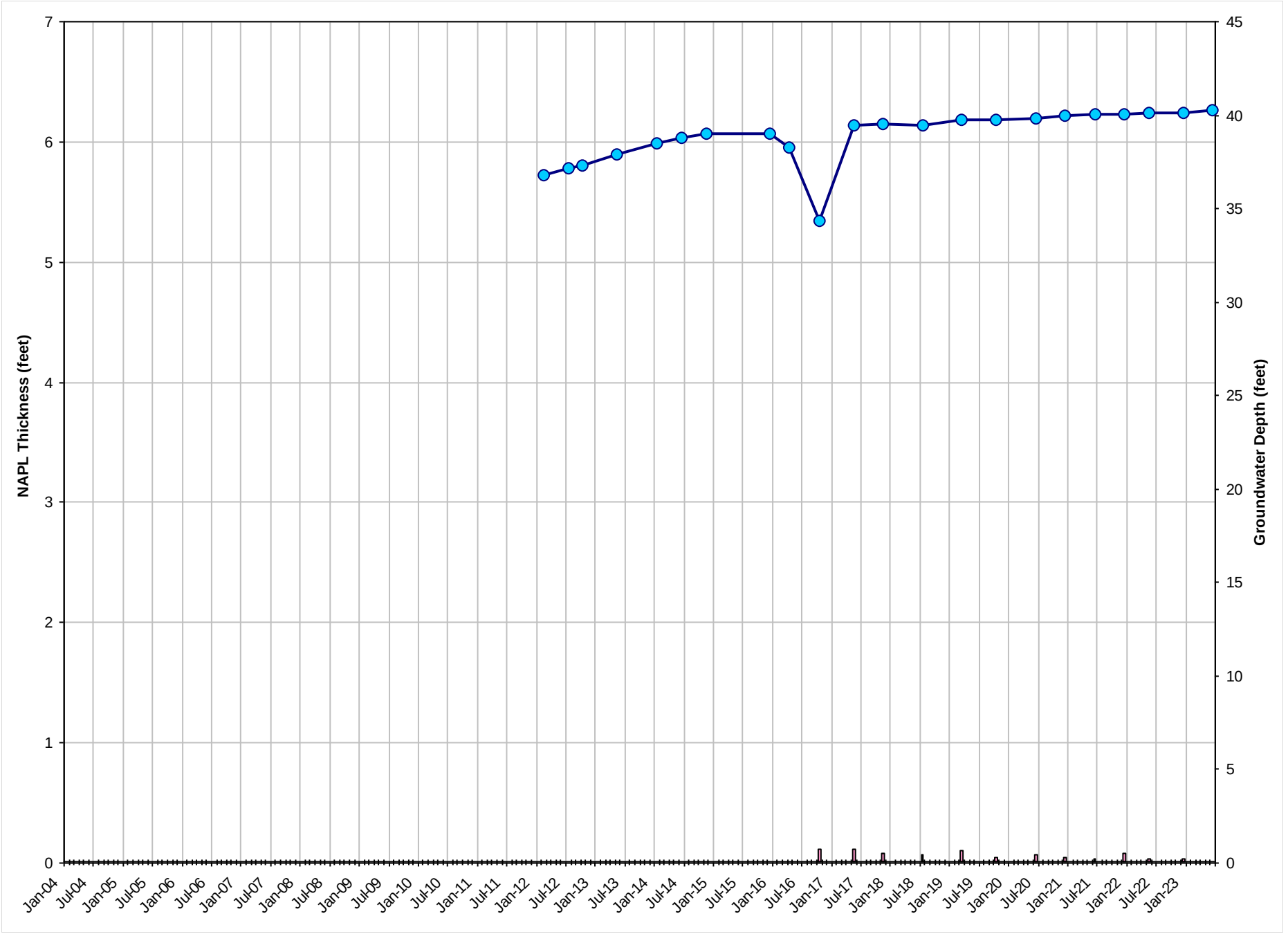
GRAPH 21
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-21
Gladiola Station
Lea County, New Mexico



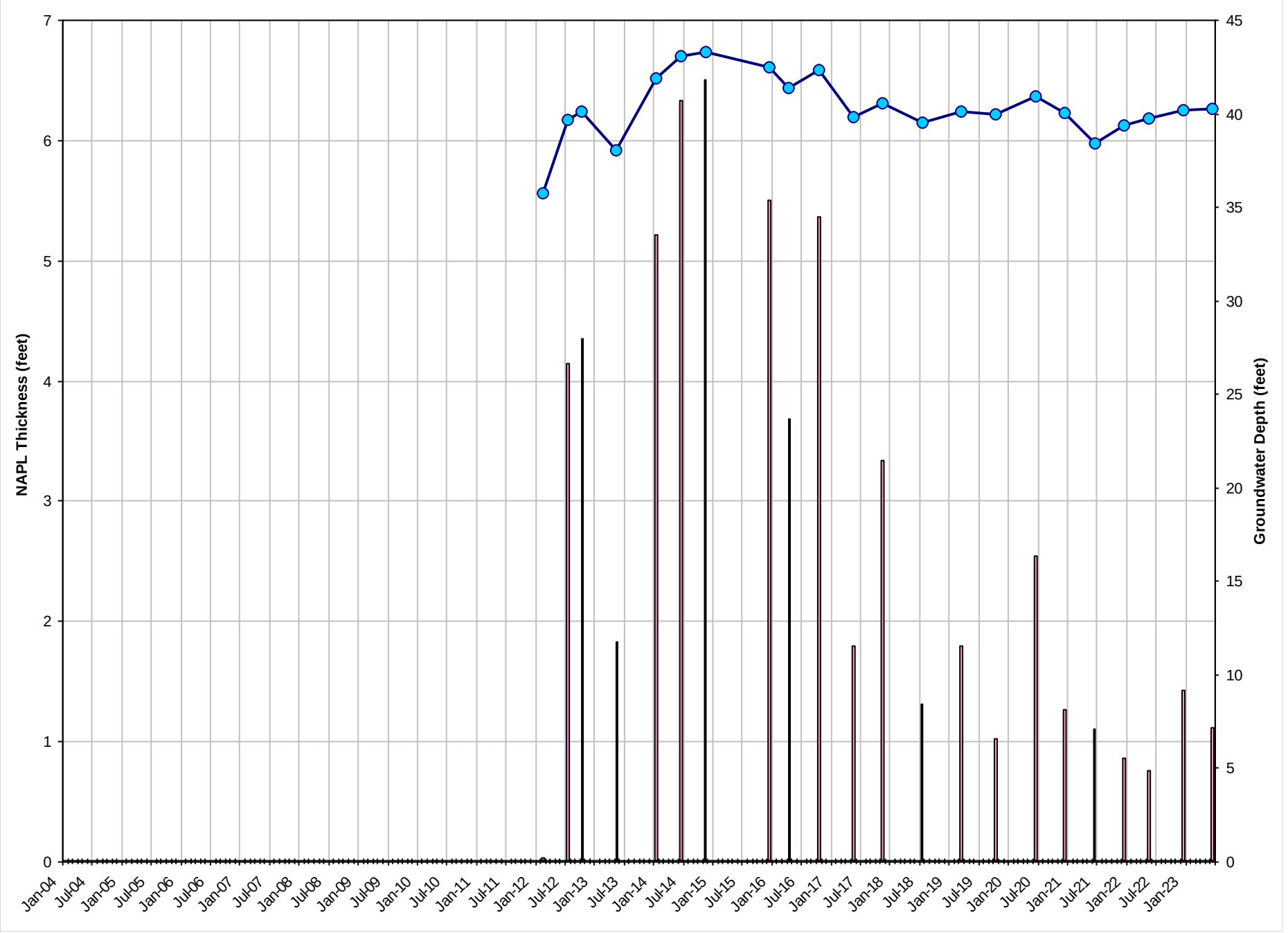
GRAPH 22
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-22
Gladiola Station
Lea County, New Mexico



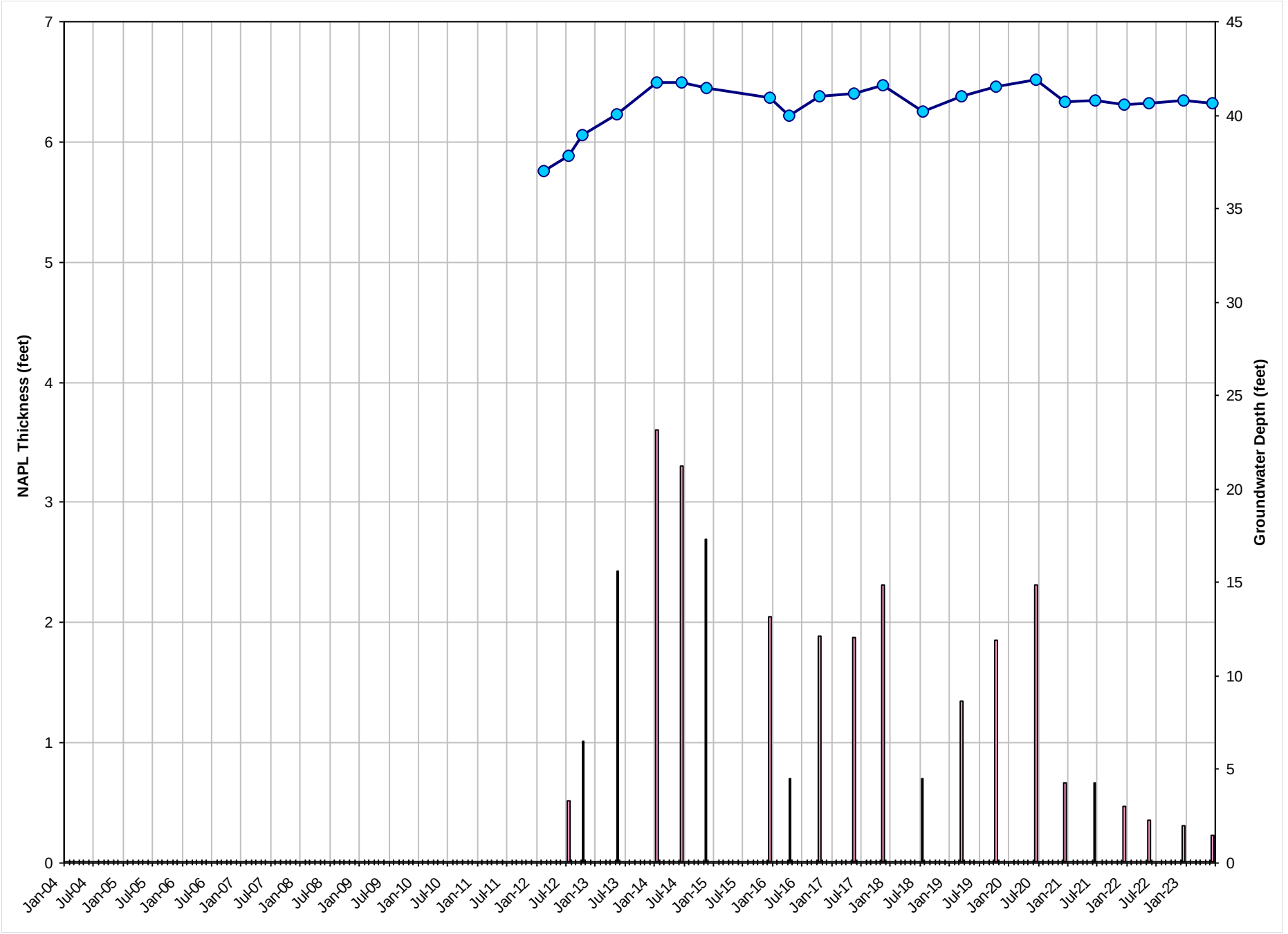
GRAPH 23
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-23
Gladiola Station
Lea County, New Mexico



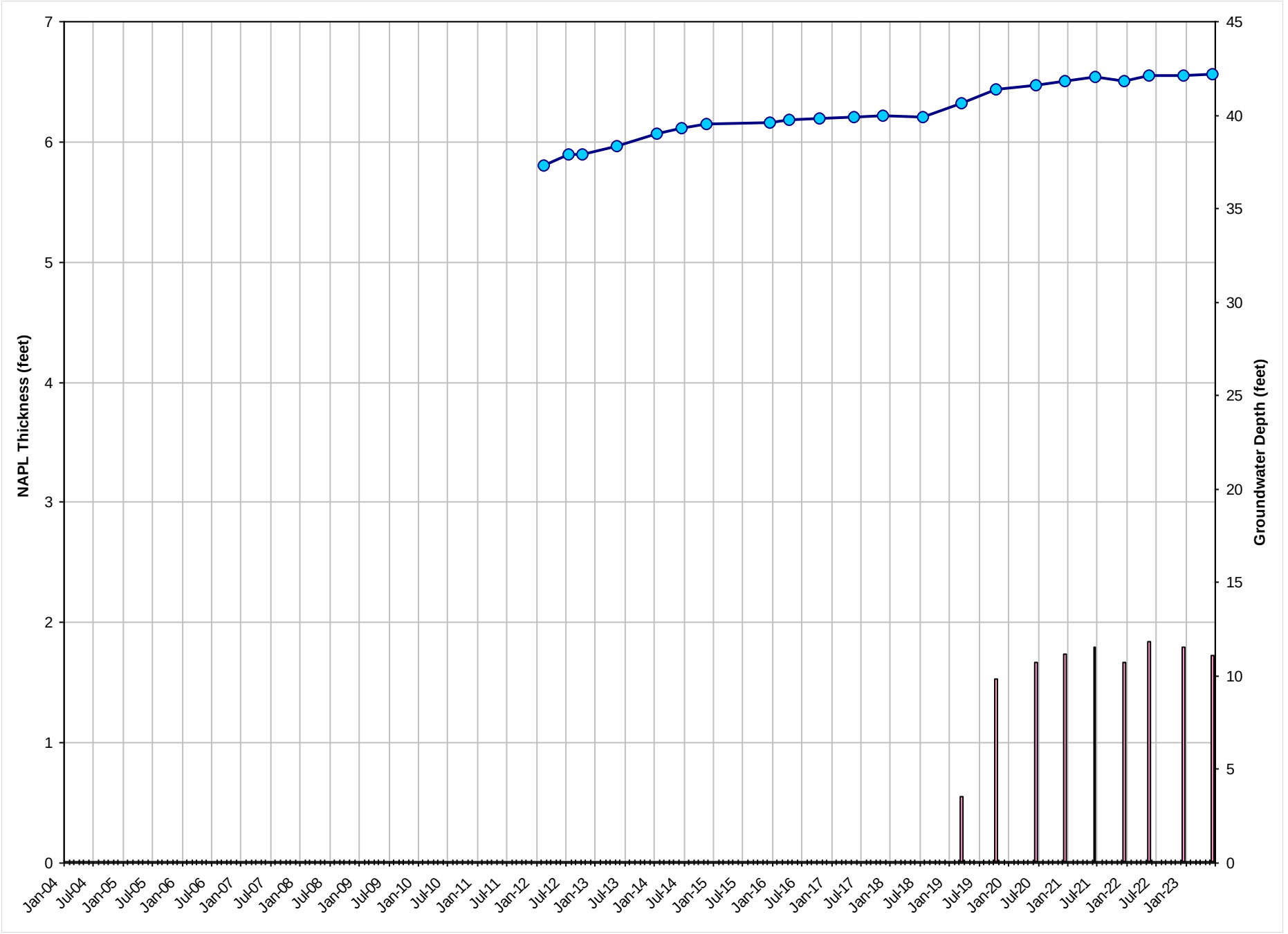
GRAPH 24
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-24
Gladiola Station
Lea County, New Mexico



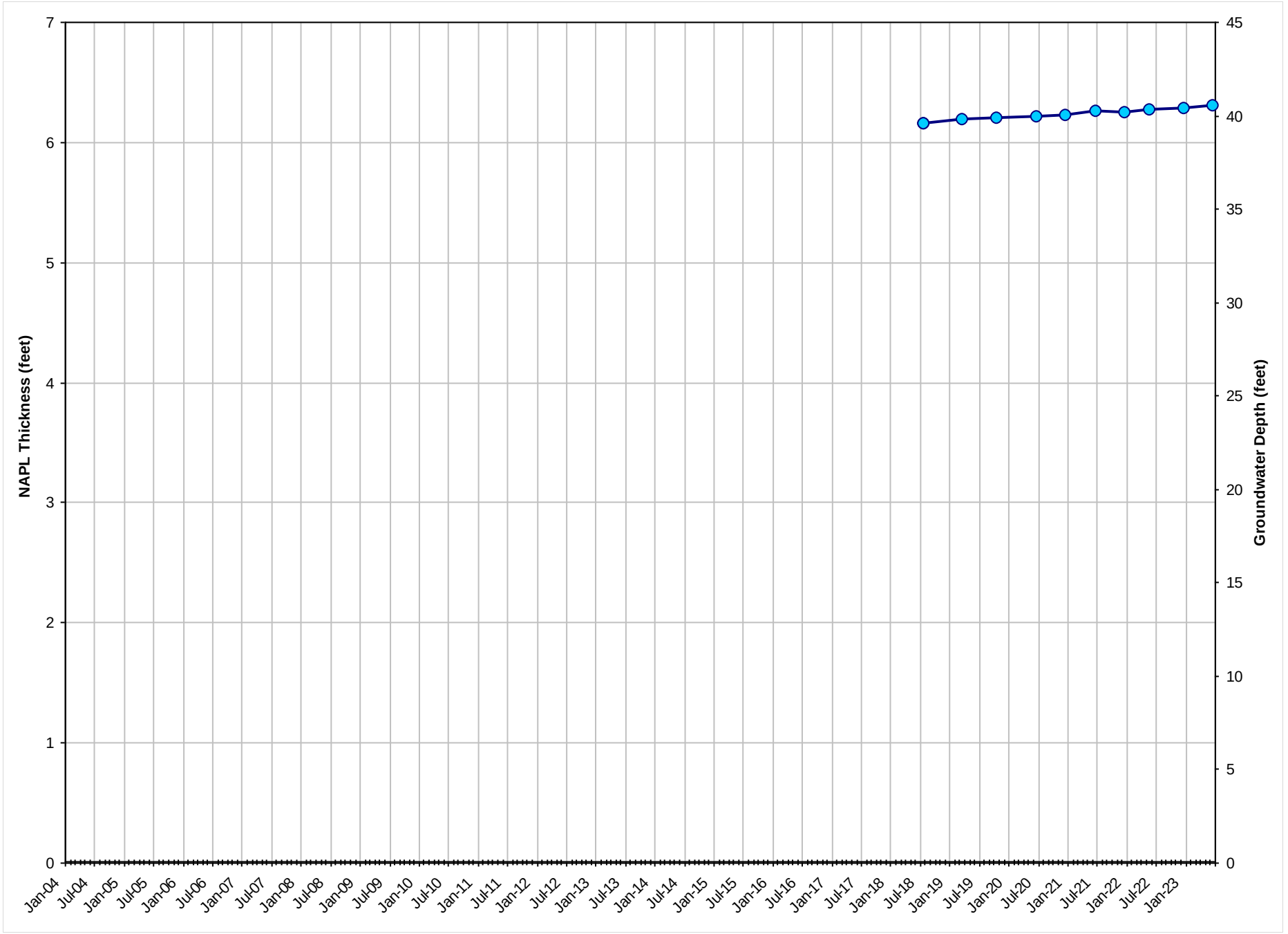
GRAPH 25
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-25
Gladiola Station
Lea County, New Mexico



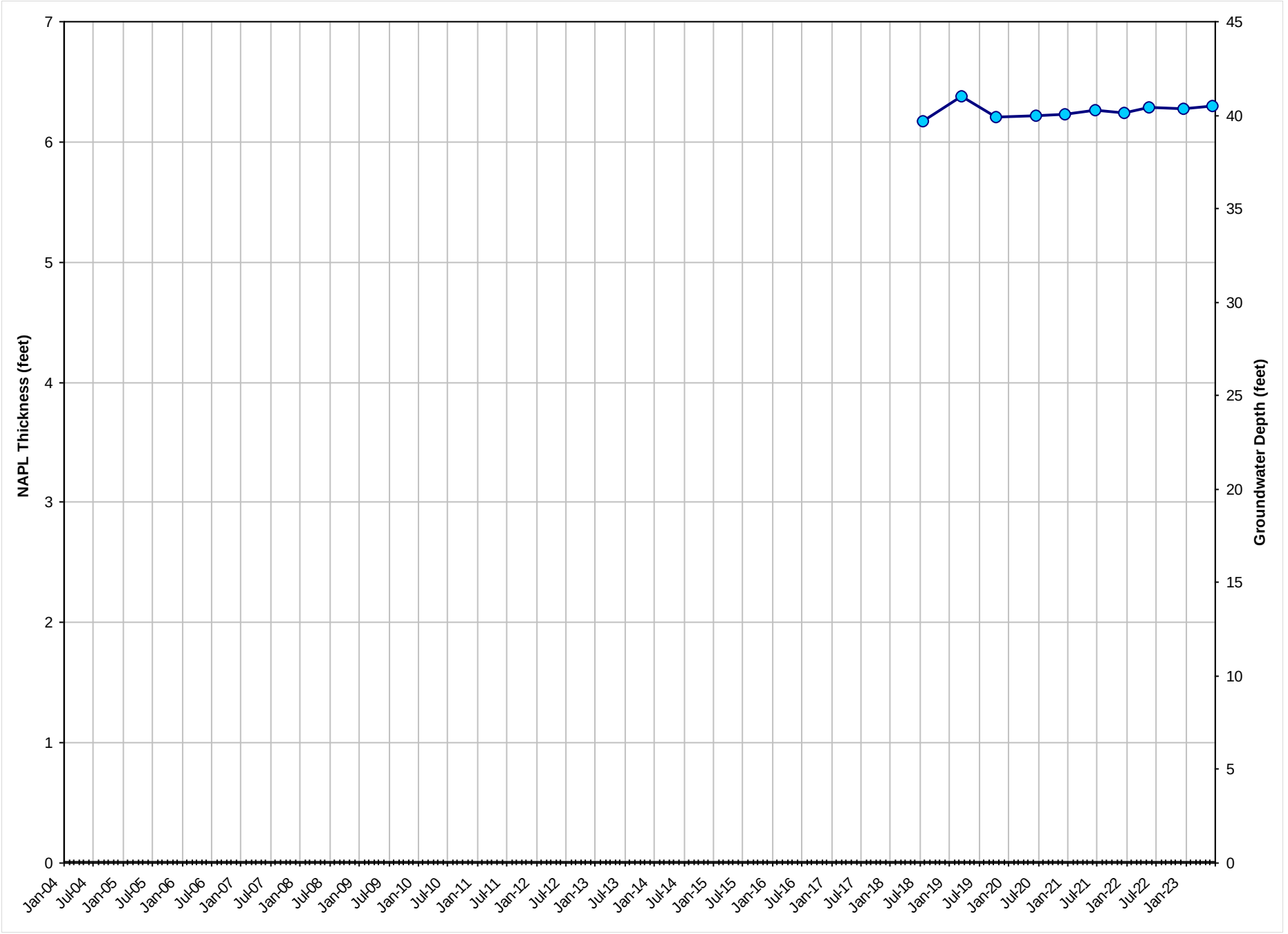
GRAPH 26
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-26
Gladiola Station
Lea County, New Mexico



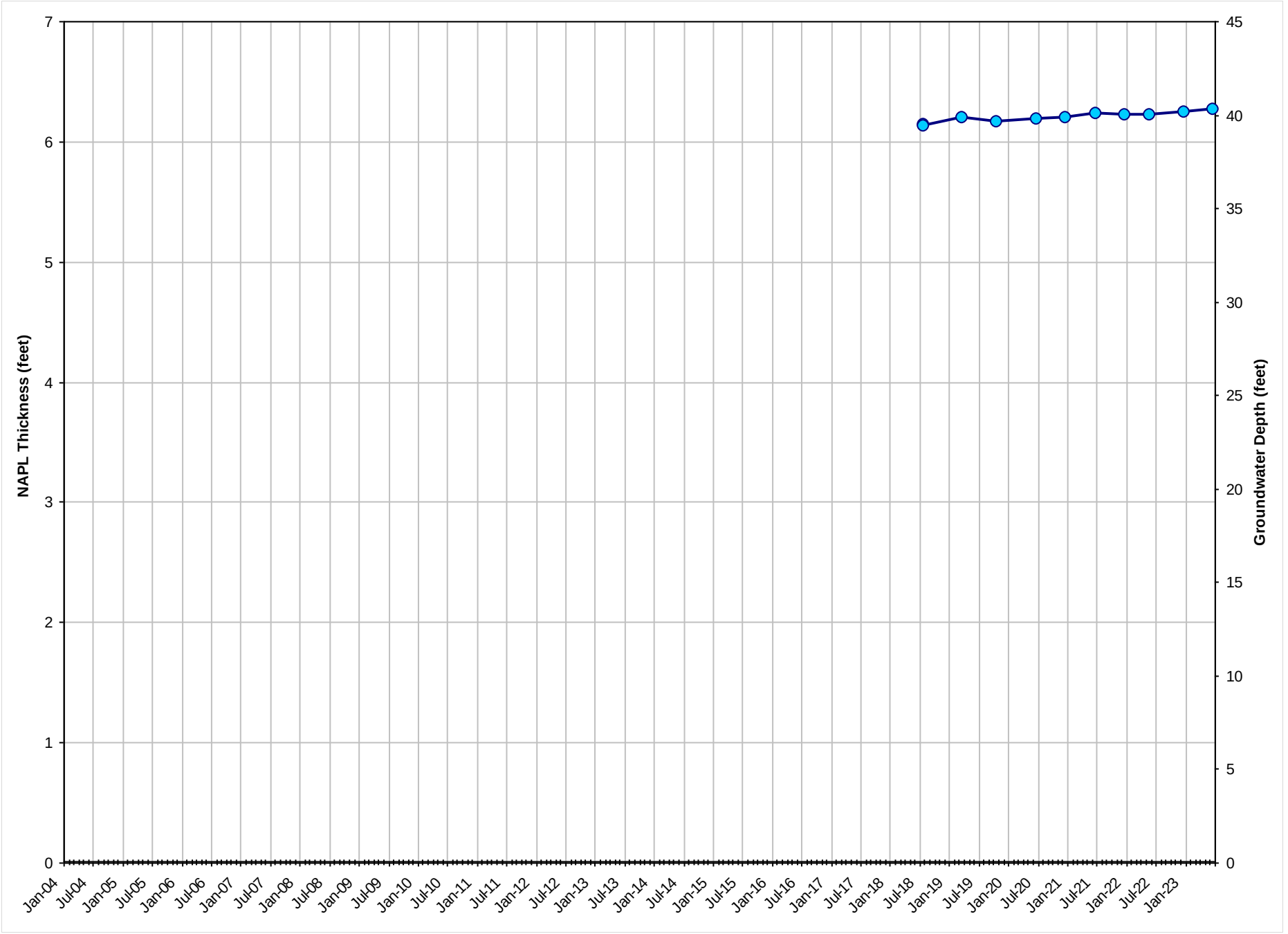
GRAPH 27
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-27
Gladiola Station
Lea County, New Mexico



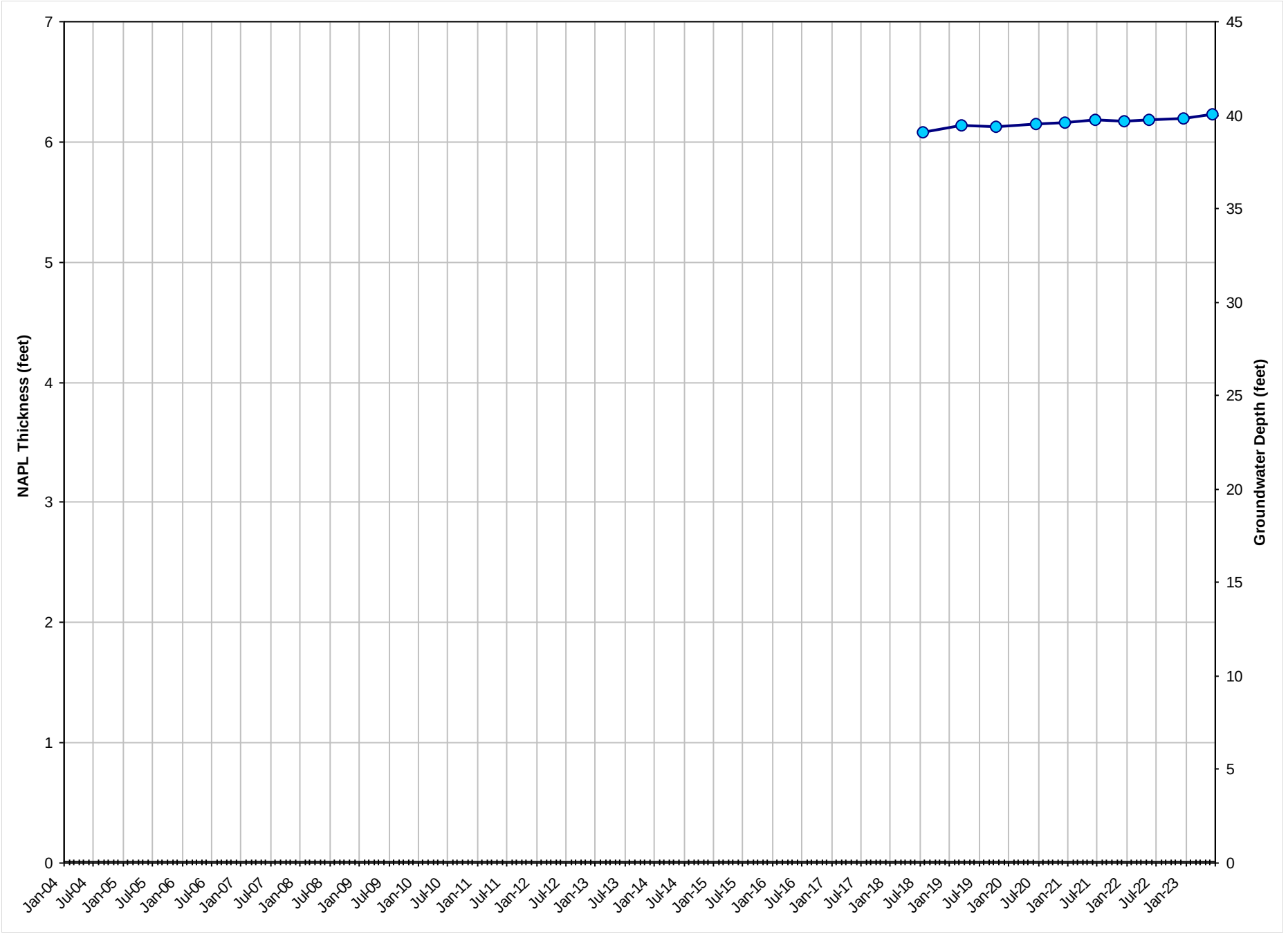
GRAPH 28
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-28
Gladiola Station
Lea County, New Mexico



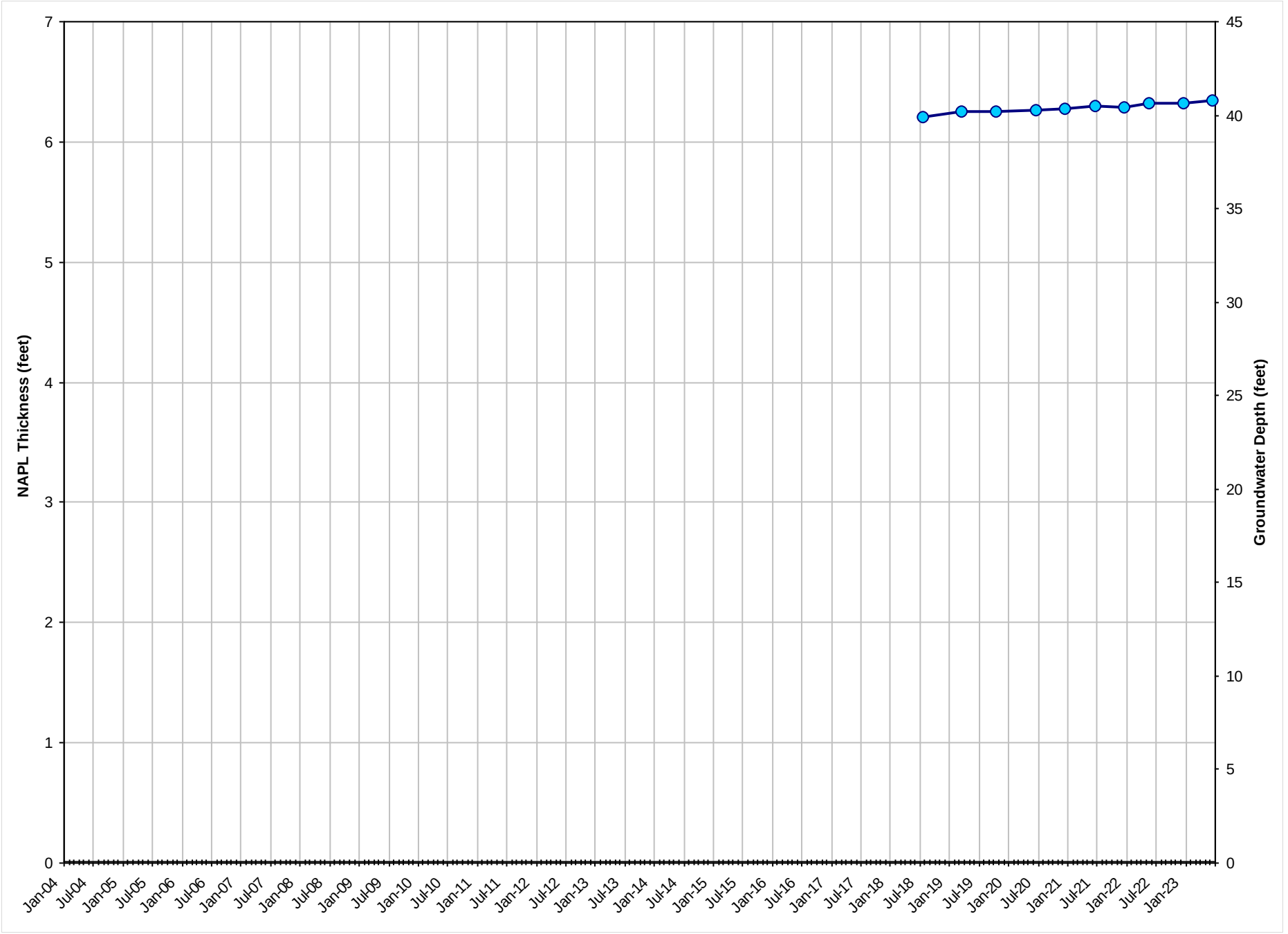
GRAPH 29
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-29
Gladiola Station
Lea County, New Mexico



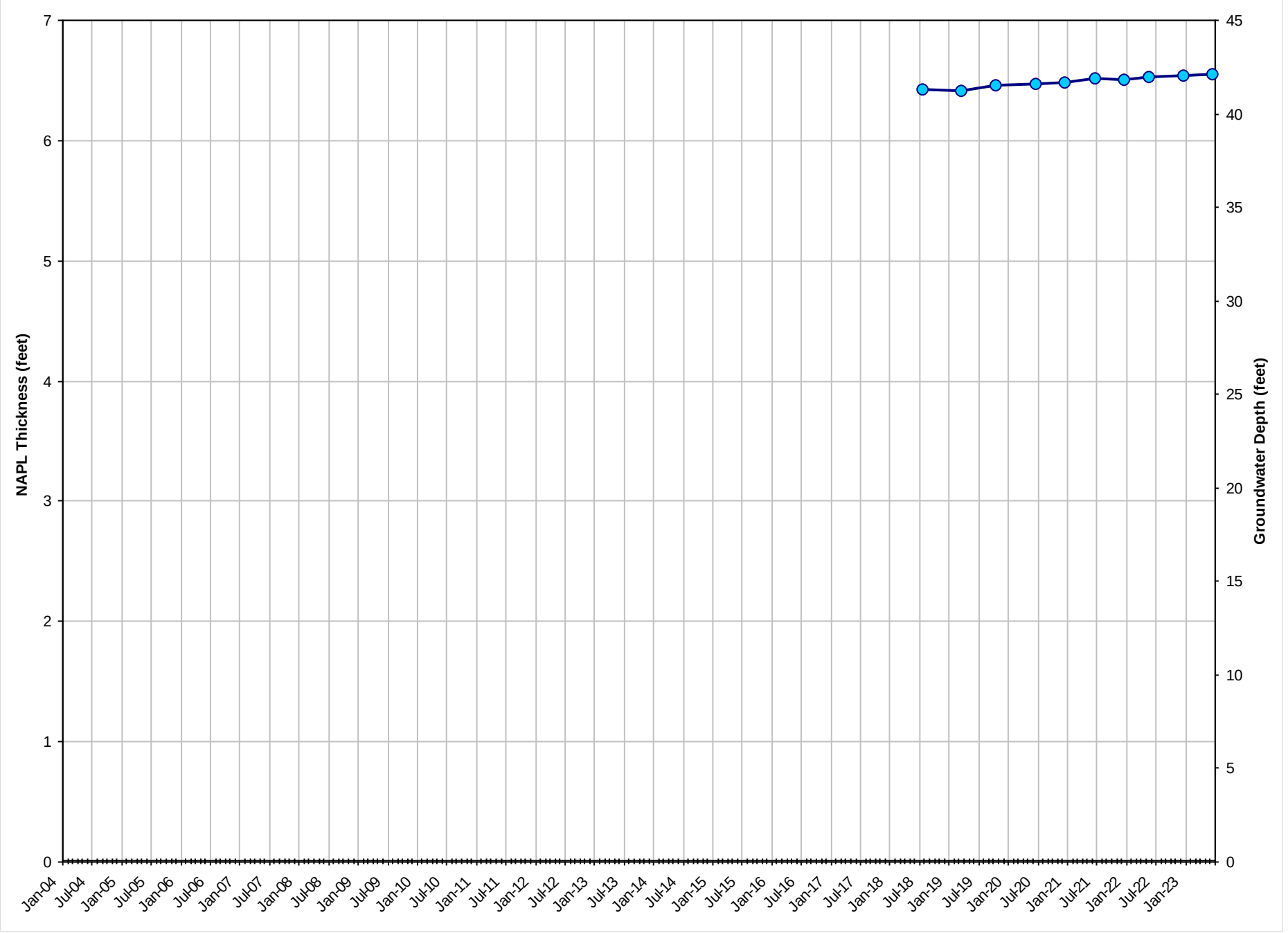
GRAPH 30
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-30
Gladiola Station
Lea County, New Mexico



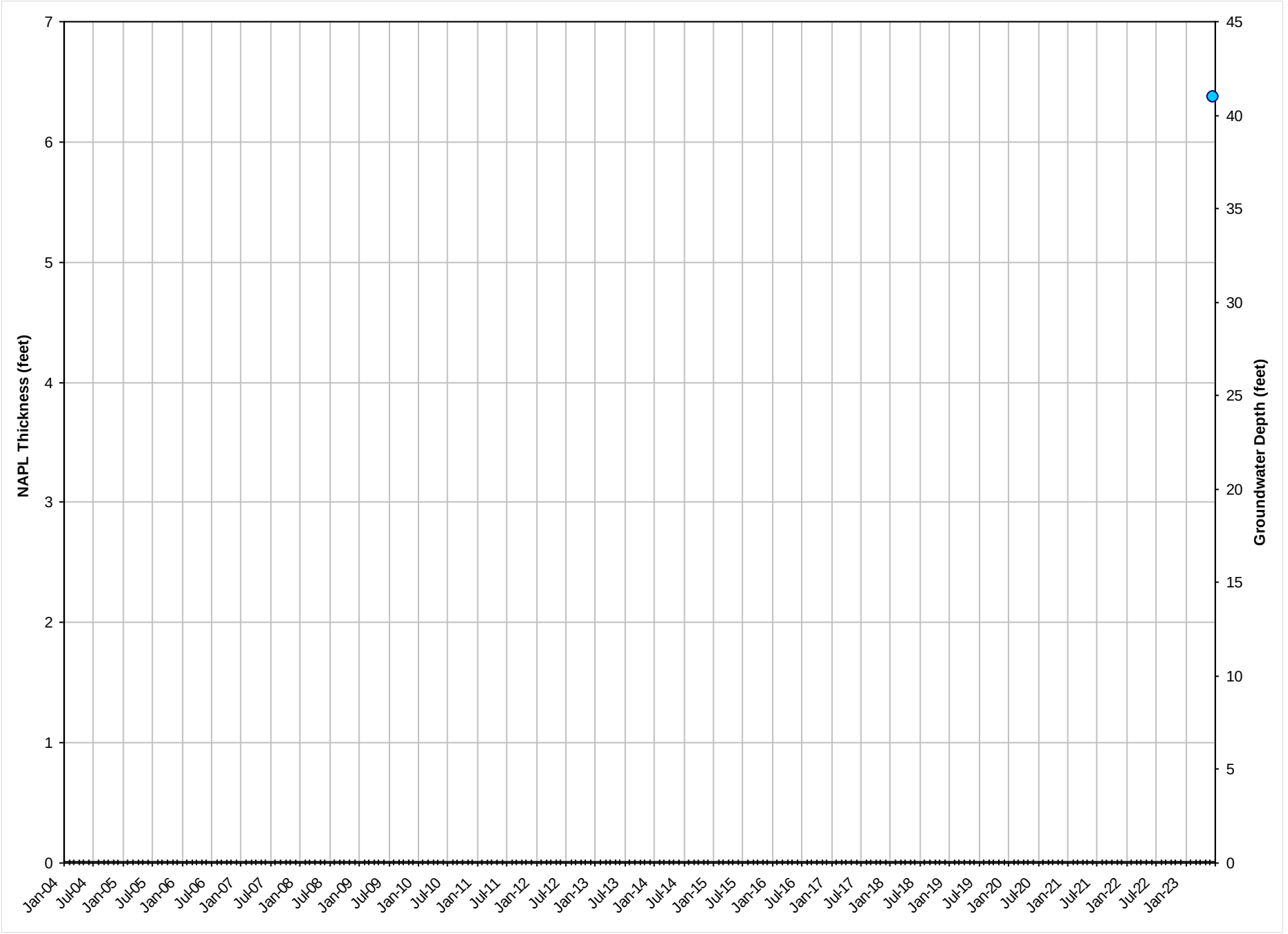
GRAPH 31
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-31
Gladiola Station
Lea County, New Mexico



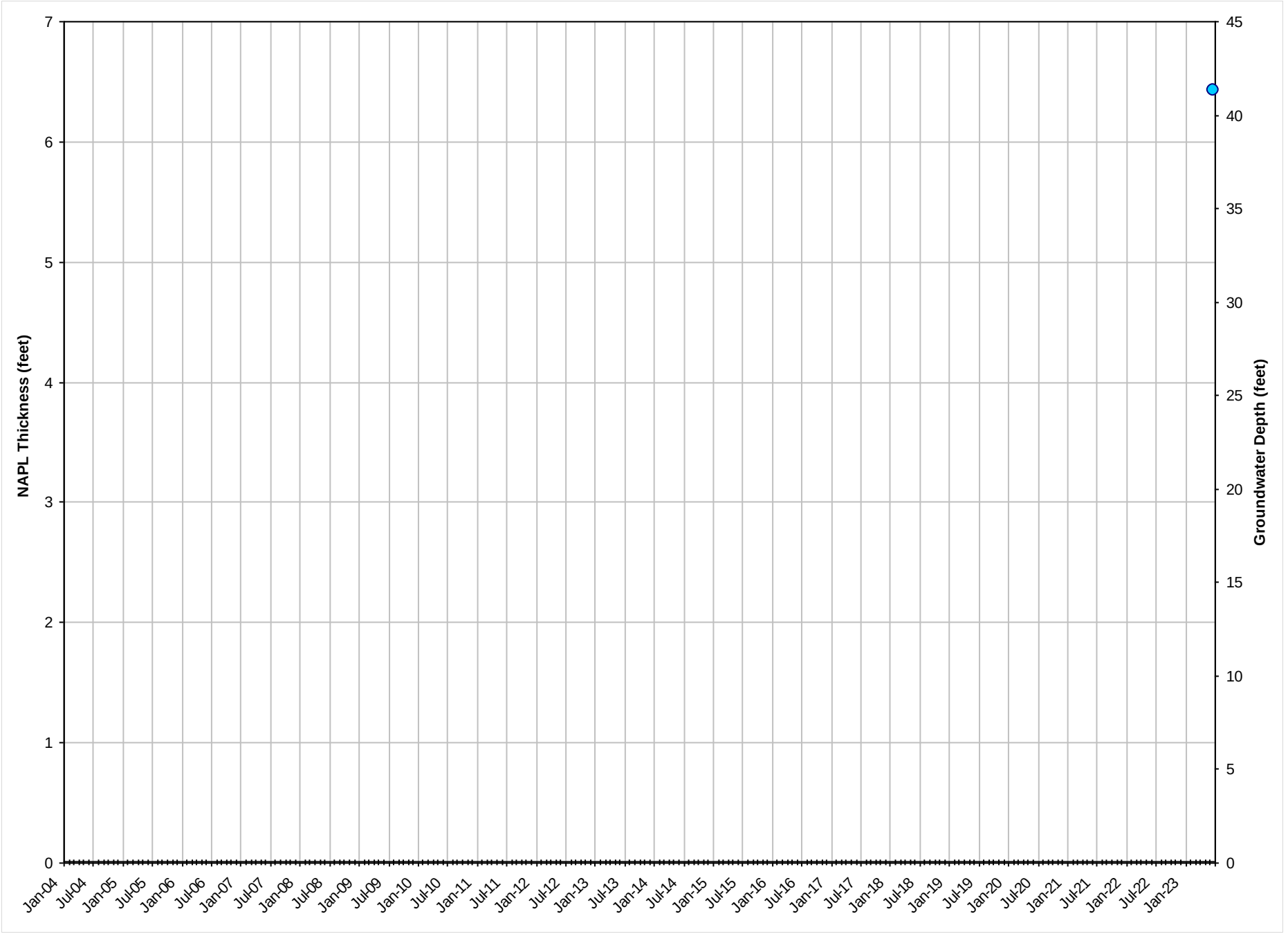
GRAPH 32
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-32
Gladiola Station
Lea County, New Mexico



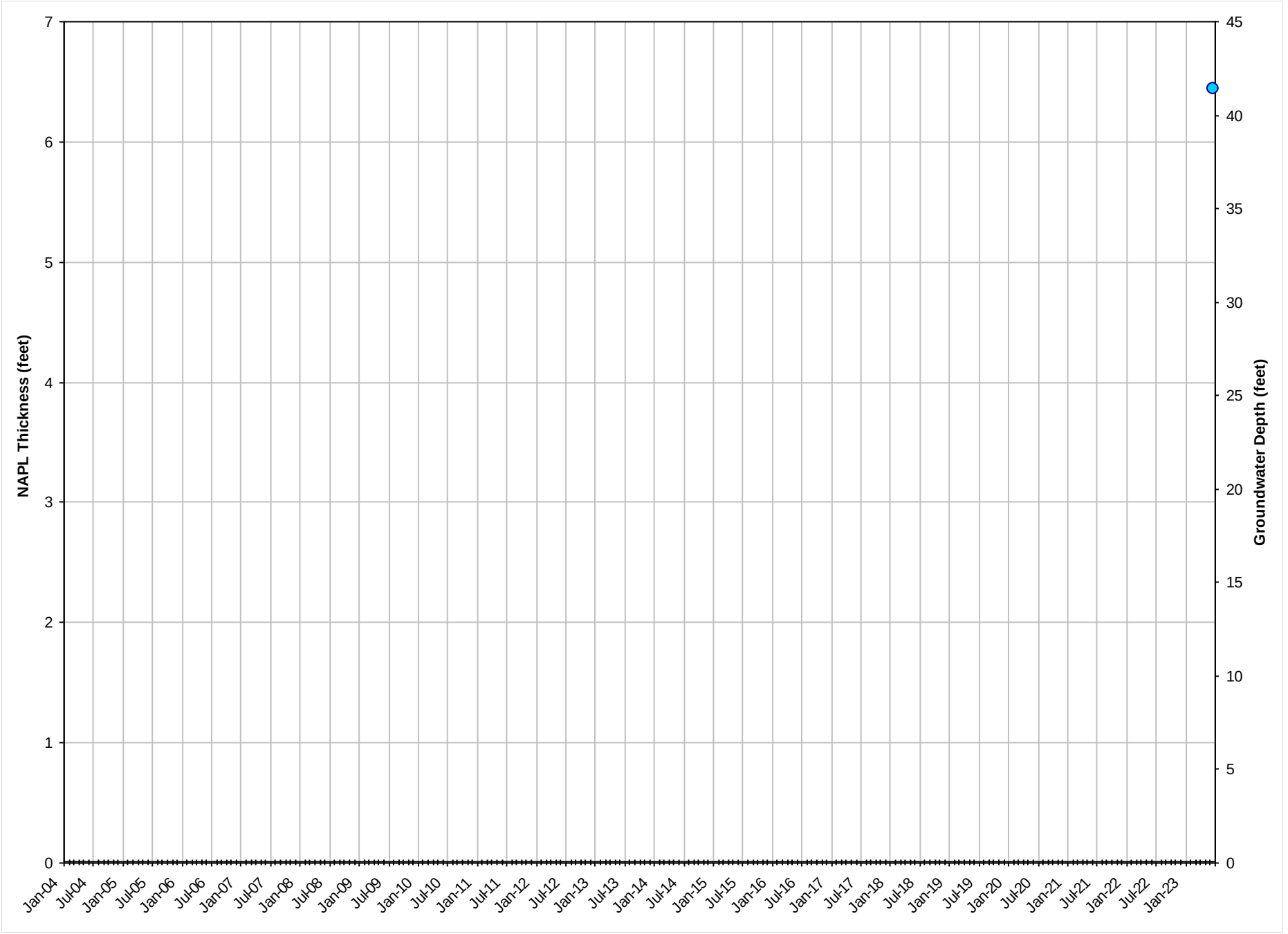
GRAPH 33
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-33
Gladiola Station
Lea County, New Mexico



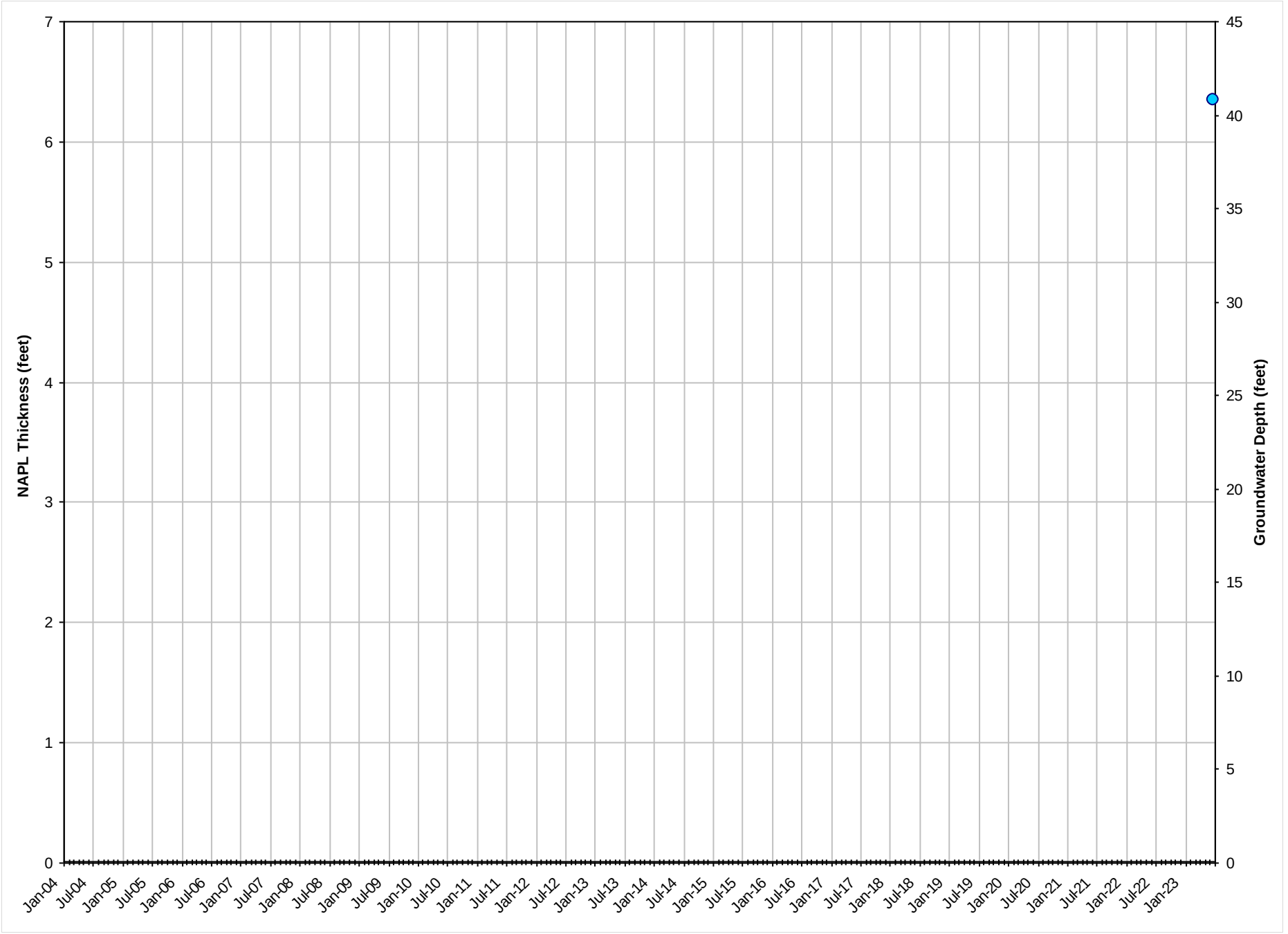
GRAPH 34
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-34
Gladiola Station
Lea County, New Mexico



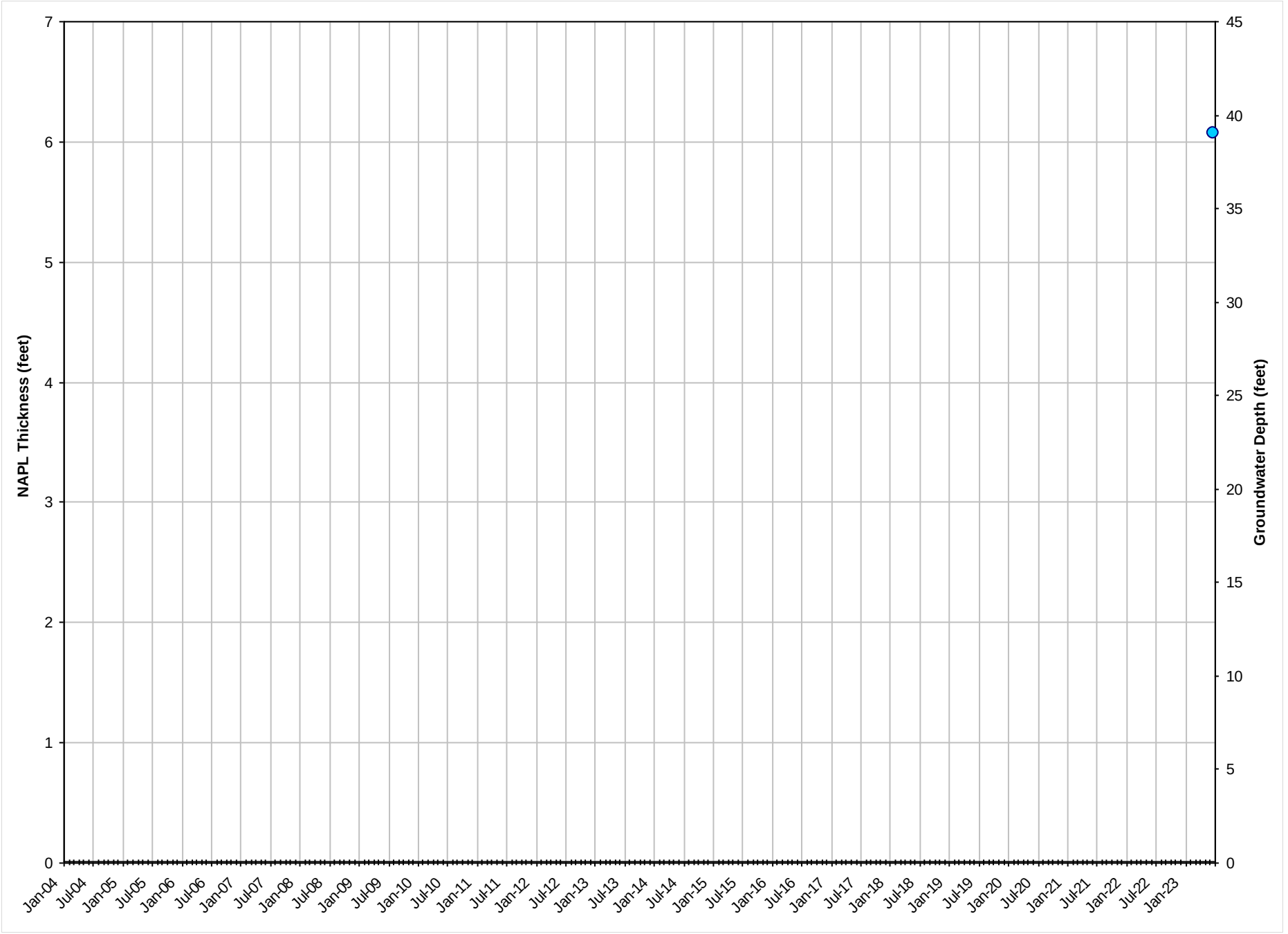
GRAPH 35
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-35
Gladiola Station
Lea County, New Mexico



GRAPH 36
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-36
Gladiola Station
Lea County, New Mexico



GRAPH 37
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-37
Gladiola Station
Lea County, New Mexico



GRAPH 38
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-38
Gladiola Station
Lea County, New Mexico

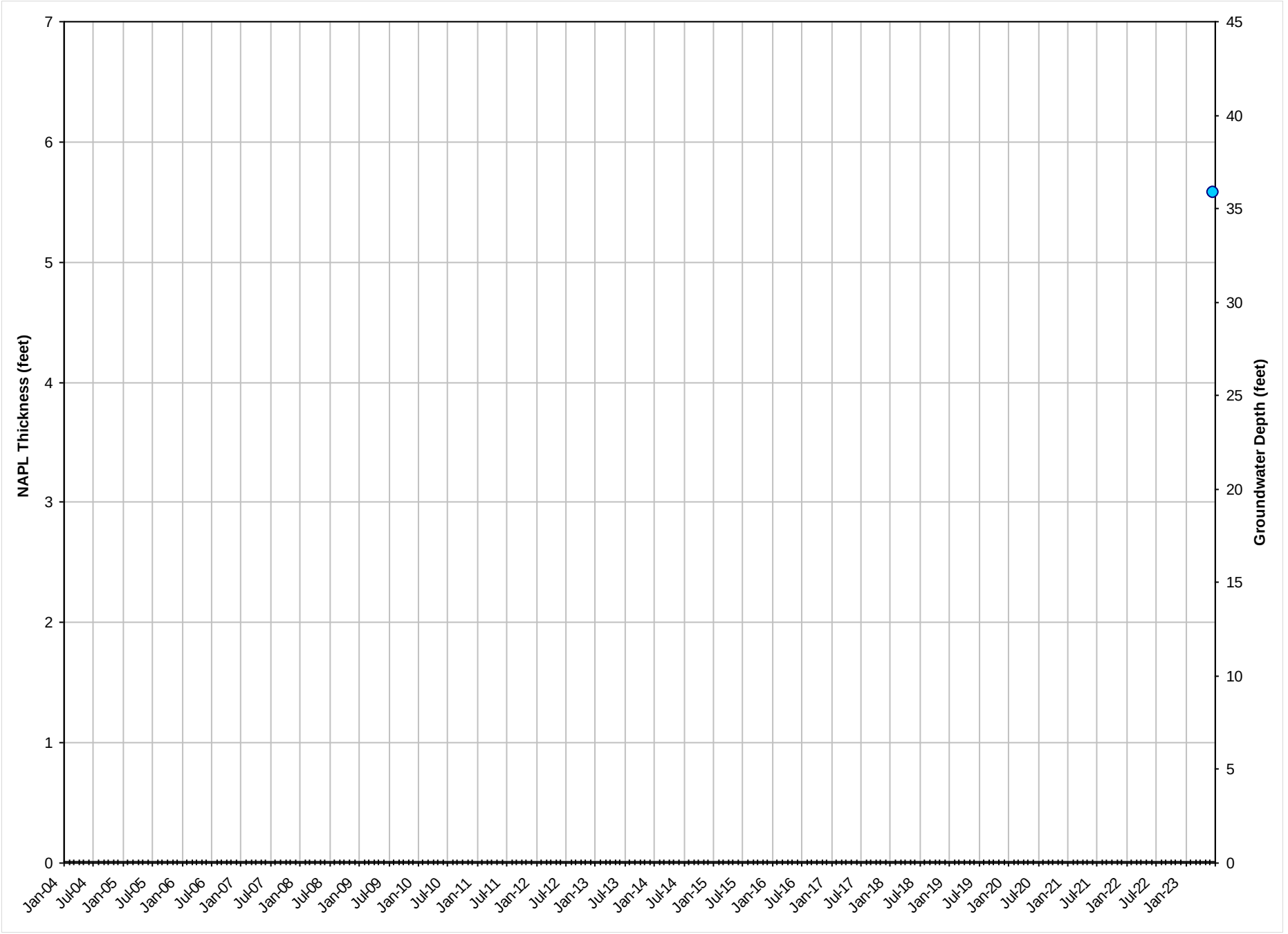


TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-1	**Well Screen Interval (feet):**	**22.71-42.71**						
06/13/23	3866.77	38.21	3,828.64	0.10				
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**						
06/13/23	3869.40	47.10	3,822.38	0.10				
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**						
06/20/23	3865.34	38.85	3,826.49	No				
06/21/23	3865.34				**0.48**	<0.0050	0.41	<0.010
06/21/23 D	3865.34				**0.49**	<0.0050	0.42	<0.010
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
06/20/23	3866.32	38.10	3,828.31	0.11				
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
06/13/23	3868.65	40.12	3,828.79	0.31				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
06/20/23	3868.44	40.01	3,828.51	0.10				
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**						
06/20/23	3865.76	Dry						
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
06/13/23	3869.90	41.51	3,828.42	0.04				
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
06/20/23	3870.47	42.27	3,828.20	No	Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
06/20/23	3869.68	41.45	3,828.23	No				
06/21/23	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
06/13/23	3869.40	41.04	3,828.37	0.01				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
06/13/23	3868.76	40.39	3,828.83	0.55				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
06/14/23	3868.62	39.84	3,828.88	0.12				
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
06/13/23	3868.86	40.18	3,828.76	0.10				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
06/13/23	3868.46	39.87	3,828.76	0.20				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
06/20/23	3869.27	40.93	3,828.34	No	**0.053**	<0.010	0.59	0.0080 J
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
06/14/23	3868.94	41.20	3,828.81	1.29				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
06/14/23	3868.90	40.90	3,828.84	1.01				

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
06/14/23	3869.15	40.46	3,828.71	0.03				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
06/14/23	3869.07	41.16	3,827.96	0.06				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
06/20/23	3869.86	41.75	3,828.11	No				
06/21/23	3869.86				0.00022 J	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
06/14/23	3869.22	40.28	3,828.95	0.01				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
06/13/23	3868.04	40.25	3,828.72	1.12				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
06/13/23	3869.14	40.65	3,828.68	0.23				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
06/14/23	3869.15	42.18	3,828.41	1.73				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
06/20/23	3869.12	40.53	3,828.59	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
06/20/23	3869.08	40.51	3,828.57	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
06/20/23	3869.36	40.34	3,829.02	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
06/20/23	3869.10	40.04	3,829.06	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
06/20/23	3869.05	40.76	3,828.29	No				
06/21/23	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
06/20/23	3870.19	42.13	3,828.06	No	0.00077	<0.00050	<0.00050	<0.0010
06/22/23	3870.19							
Field Point MW-33	**Well Screen Interval (feet):**	**33.00-53.00**						
06/22/23	3869.17	41.02	3,828.15	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-34	**Well Screen Interval (feet):**	**33.00-53.00**						
06/22/23	3869.35	41.39	3,827.96	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-35	**Well Screen Interval (feet):**	**33.00-53.00**						
06/22/23	3869.00	41.48	3,827.52	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-36	**Well Screen Interval (feet):**	**33.00-53.00**						
06/20/23	3869.23	40.84	3,828.39	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-37	**Well Screen Interval (feet):**	**33.00-53.00**						
06/23/23	3867.91	39.05	3,828.86	No	<0.00050	<0.00050	<0.00050	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-38	**Well Screen Interval (feet): 33.00-53.00**							
06/22/23	3867.70	35.86	3,831.84	No	<0.00050	<0.00050	<0.00050	<0.0010

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**																		
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00048	<0.00019	0.00047	<0.00019	0.022	0.012	0.014	**0.048**
06/21/23 D	0.00066	0.00083	<0.00019	<0.00019	0.000097 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00065	<0.00019	0.00061	<0.00019	0.025	0.014	0.017	**0.056**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**																		
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00070	<0.00019	0.00038	<0.00019	0.026	0.015	0.014	**0.055**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**																		
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	<0.00019	<0.00019	<0.00019	0.00020	<0.00019	0.00020
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00034	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	0.00019
Field Point MW-33	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-34	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-35	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-36	**Well Screen Interval (feet): 33.00-53.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-37	**Well Screen Interval (feet): 33.00-53.00**																		
06/23/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-38	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
06/21/23	**0.0269 J**	**8.37**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	22.7		1400	**1510**
06/21/23 D	**0.0215 J**	**8.94**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	21.5		1390	**1480**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
06/21/23	<0.100	0.0518	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	150		304	938
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
06/20/23	<0.100	**11.0**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	5.03		995	**1050**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
06/21/23	<0.100	0.0237	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	26.7		238	672
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
06/20/23	<0.100	0.0571	<0.0100	<0.0500	<0.0500	<0.000200	0.0167 J	<0.0100	**288**		168	**1070**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
06/20/23	<0.100	0.0424	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	186		145	**1160**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
06/20/23	<0.100	0.0524	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	127		183	695
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
06/20/23	<0.100	0.244	<0.0100	0.00430 J	<0.0500	<0.000200	<0.0500	<0.0100	157		167	693
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
06/21/23	<0.100	0.373	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	66.7		273	720
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
06/20/23	**0.0315 J**	0.175	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	24.5		498	616
Field Point MW-33	**Well Screen Interval (feet):**		**33.00-53.00**									
06/22/23	<0.100	0.0777	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**290**		142	**1230**
Field Point MW-34	**Well Screen Interval (feet):**		**33.00-53.00**									
06/22/23	<0.100	0.0581	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	128		177	797
Field Point MW-35	**Well Screen Interval (feet):**		**33.00-53.00**									
06/22/23	<0.100	0.299	<0.0100	**0.0244 J**	0.00700 J	<0.000200	0.0172 J	<0.0100	**259**		147	**1090**
Field Point MW-36	**Well Screen Interval (feet):**		**33.00-53.00**									
06/20/23	<0.100	0.0683	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**312**		147	**1050**

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-37	**Well Screen Interval (feet):**		**33.00-53.00**									
06/23/23	<0.100	0.0627	<0.0100	0.00570 J	<0.0500	<0.000200	<0.0500	<0.0100	214		149	796
Field Point MW-38	**Well Screen Interval (feet):**		**33.00-53.00**									
06/22/23	<0.100	0.155	<0.0100	**0.0154 J**	<0.0500	<0.000200	<0.0500	<0.0100	**409**		138	**1290**

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**							
05/17/04	3863.81	32.74	3831.07	No				
11/30/04	3863.81	30.83	3835.00	2.43				
05/05/05	3863.81	29.20	3835.25	0.77				
07/24/06	3863.81	28.71	3835.58	0.58	**1.6**	0.236	0.181	**0.815**
02/08/07	3863.81	28.92	3835.27	0.46	**1.1**	0.106	0.362	**1.46**
04/15/08	3863.81	29.45	3834.68	0.39				
09/21/08	3863.81							
09/26/08	3863.81	29.58	3834.51	0.34	**1.03**	0.00434	0.551	**1.63**
02/15/09	3863.81	30.50	3833.60	0.35				
05/19/09	3863.81	30.85	3833.32	0.43	**1.12**	0.00132	0.563	**1.22**
08/19/09	3865.14	31.75	3833.68	0.35	**1.06**	0.227	0.67	**1.51**
10/30/09	3865.14	31.73	3833.64	0.28	**1.01**	0.00225	**0.774**	**1.63**
10/12/11	3865.14	34.60	3831.00	0.55				
02/22/12	3865.14	34.85	3830.66	0.45				
07/17/12	3866.63	35.26	3831.77	0.48				
10/03/12	3866.63	35.42	3831.58	0.45				
05/14/13	3866.63	35.83	3831.12	0.39				
01/27/14	3866.63	36.83	3830.57	0.93				
06/17/14	3866.63	36.92	3830.19	0.58				
11/18/14	3866.63	36.94	3830.19	0.60				
12/07/15	3866.63	36.87	3830.11	0.42				
04/26/16	3866.63	37.20	3829.73	0.36				
10/24/16	3866.63	36.64	3830.17	0.22				
05/22/17	3866.63	37.41	3829.56	0.41				
11/28/17	3866.63	37.18	3829.67	0.27				
07/17/18	3866.77	37.52	3829.57	0.38				
03/04/19	3866.77	37.82	3829.32	0.44				
10/01/19	3866.77	37.82	3829.25	0.36				
06/23/20	3866.77	37.89	3829.19	0.37				
12/14/20	3866.77	38.20	3828.60	0.04				
06/29/21	3866.77	37.92	3828.97	0.14				
12/20/21	3866.77	37.86	3829.01	0.12				
05/24/22	3866.77	37.89	3828.89	0.01				
12/28/22	3866.77	38.12	3828.74	0.11				
06/13/23	3866.77	38.21	3,828.64	0.10				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
05/17/04	3867.89	37.04	3830.85	No				
11/30/04	3867.89	35.61	3833.88	1.93				
05/05/05	3867.89	33.36	3834.90	0.45				
07/25/06	3867.89	33.14	3834.95	0.24	0.00492	0.0142	0.142	0.166
02/08/07	3867.89	33.07	3834.92	0.12	**0.0550**	0.0111	0.0726	0.105
04/15/08	3867.89	38.81	3834.43	6.44				
09/22/08	3867.89							
09/26/08	3867.89	38.97	3833.94	6.05	**2.57**	**2.66**	0.504	**1.210**
02/15/09	3867.89	38.95	3833.45	5.43				
05/19/09	3867.89	38.63	3833.09	4.62	Not sampled - NAPL entered bailer during each attempt.			
08/19/09	3867.89	39.00	3832.92	4.85	**2.70**	**2.44**	0.495	**1.110**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
10/30/09	3867.89	38.98	3832.87	4.77	**3.25**	<0.00100	0.381	**0.675**
10/12/11	3867.89	39.46	3830.82	2.88				
02/22/12	3867.89	39.73	3830.48	2.80				
07/17/12	3869.40	40.19	3831.64	2.93				
10/03/12	3869.40	40.29	3831.45	2.82				
05/14/13	3869.40	40.72	3830.96	2.75				
01/27/14	3869.40	40.11	3830.39	1.33				
06/17/14 - 10/01/19	3869.40				Inaccessible - Stick-up well casing damaged.			
06/23/20	3869.40	Dry		No	Well filled with silt up to the groundwater level.			
12/14/20	3869.40	Dry						
06/29/21	3869.40	Dry						
12/20/21	3869.40	41.18	3828.28	0.07				
05/24/22	3869.40	41.38	3828.16	0.17				
12/28/22	3869.40	41.48	3828.06	0.17				
06/13/23	3869.40	47.10	3,822.38	0.10				
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
05/17/04	3863.72	32.79	3830.93	No				
11/30/04	3863.72	30.08	3834.01	0.44				
05/05/05	3863.72	28.90	3835.02	0.24				
07/24/06	3863.72	28.87	3835.06	0.25	**0.0452**	0.00715	0.0974	0.015
02/08/07	3863.72	28.79	3835.02	0.11	**0.586**	0.00522	0.114	0.360
04/15/08	3863.72	29.42	3834.48	0.22				
09/22/08	3863.72							
09/26/08	3863.72	29.99	3833.90	0.20	**1.55**	<0.00100	0.133	0.310
02/15/09	3863.72	29.90	3833.94	0.15				
05/19/09	3863.72	30.82	3833.14	0.29	**1.2**	<0.00100	0.116	0.206
08/19/09	3863.72	31.15	3832.86	0.35	**2.05**	<0.00100	0.174	0.317
10/30/09	3863.72	31.16	3832.83	0.33	**1.96**	<0.00100	0.166	0.320
10/12/11	3863.72	33.10	3830.94	0.38				
02/22/12	3863.72	33.30	3830.58	0.19				
07/17/12	3865.25	33.80	3831.71	0.31				
10/03/12	3865.25	33.94	3831.51	0.24				
05/14/13	3865.25	34.31	3831.04	0.12				
01/27/14	3865.25	35.04	3830.47	0.31				
06/17/14	3865.25	35.33	3830.13	0.25				
11/18/14	3865.25	35.34	3830.02	0.13				
12/07/15	3865.25	35.39	3829.93	0.09				
04/26/16	3865.25	35.69	3829.71	0.18				
10/24/16	3865.25	35.42	3829.93	0.12				
05/22/17	3865.25	35.80	3829.52	0.09				
11/28/17	3865.25	35.70	3829.57	0.02	Insufficient water to sample.			
07/17/18	3865.34	35.80	3829.54	No				
03/04/19	3865.34	36.13	3829.21	Sheen				
10/01/19	3865.34	36.11	3829.23	Sheen				
06/23/20	3865.34	36.16	3829.18	No	Insufficient water to sample.			
12/14/20	3865.34	36.38	3828.96	No				
12/16/20	3865.34				**0.55**	<0.0040	0.43	<0.0080

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
06/29/21	3865.34	36.48	3828.86	No				
07/01/21	3865.34				**0.54**	<0.0050	0.46	<0.010
12/20/21	3865.34	36.42	3828.92	No				
12/22/21	3865.34				**0.66**	<0.0050	0.54	<0.010
05/26/22	3865.34	36.81	3828.53	No	**0.51**	<0.0050	0.48	<0.010
12/28/22	3865.34	36.76	3828.58	No				
12/30/22	3865.34				**0.45**	<0.0050	0.43	<0.010
06/20/23	3865.34	38.85	3,826.49	No				
06/21/23	3865.34				**0.48**	<0.0050	0.41	<0.010
06/21/23 D	3865.34				**0.49**	<0.0050	0.42	<0.010
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
07/25/06	3864.66	29.57	3835.09	No	**3.14**	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	No	**2.78**	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	No	**3.39**	0.0151	0.337	**0.662**
09/21/08	3864.66							
09/26/08	3864.66	30.75	3833.93	0.02	**2.95**	0.0276	0.328	**0.688**
02/15/09	3864.66	31.09	3833.58	0.01				
05/19/09	3864.66	31.73	3833.10	0.20	**1.93**	0.00189	0.170	0.546
08/19/09	3864.66	31.82	3832.98	0.17	**2.89**	<0.00100	0.336	0.600
10/30/09	3864.66	31.80	3832.96	0.12	**2.92**	0.0011	0.347	0.619
10/12/11	3864.66	34.09	3830.91	0.41				
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3829.30	0.62				
10/01/19	3866.32	37.61	3829.21	0.60				
06/23/20	3866.32	37.62	3829.18	0.58				
12/14/20	3866.32	37.80	3828.96	0.53				
06/29/21	3866.32	37.65	3828.94	0.33				
12/20/21	3866.32	37.59	3828.96	0.28				
05/24/22	3866.32	37.65	3828.84	0.21				
12/28/22	3866.32	37.97	3828.47	0.14				
06/20/23	3866.32	38.10	3,828.31	0.11				
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**							
07/20/06	3866.99	31.82	3835.17	No	**6.93**	0.374	0.567	**1.14**
02/07/07	3866.99	31.93	3835.06	No	**6.91**	0.297	**0.905**	**1.74**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**							
04/15/08	3866.99	32.45	3834.54	No	**5.44**	0.0686	**0.763**	**1.33**
09/21/08	3866.99							
09/26/08	3866.99	33.07	3833.92	No	**6.17**	0.0979	**0.736**	**1.220**
02/06/09	3866.99	33.54	3833.45	No	**5.61**	0.0514	**0.849**	**1.410**
02/06/09 D	3866.99	33.54	3833.45	No	**5.26**	0.0438	**0.835**	**1.320**
05/19/09	3866.99	33.83	3833.16	No	**5.08**	0.0436	0.681	**1.180**
08/19/09	3866.99	34.15	3832.84	No	**4.68**	0.0567	**0.726**	**0.932**
08/19/09 D	3866.99	34.15	3832.84	No	**4.79**	0.0732	**0.709**	**1.100**
10/30/09	3866.99	34.35	3832.64	No	**5.01**	0.0933	**0.713**	**1.25**
10/12/11	3866.99	36.02	3830.97	No	**3.5**	0.00678	0.521	0.431
10/12/11 D	3866.99	36.02	3830.97	No	**3.47**	0.00666	0.52	0.407
02/22/12	3866.99	36.85	3830.14	No	**3.75**	0.00125	0.54	**0.626**
02/22/12 D	3866.99	36.85	3830.14	No	**3.65**	<0.00100	0.516	0.593
07/17/12	3868.54	36.70	3831.84	No	**2.68**	<0.00100	0.419	0.262
07/17/12 D	3868.54	36.70	3831.84	No	**2.62**	<0.00100	0.39	0.251
10/03/12	3868.54	37.54	3831.00	No	**2.91**	<0.00100	0.49	**0.667**
10/03/12 D	3868.54	37.54	3831.00	No	**2.97**	<0.00100	0.501	**0.683**
05/15/13	3868.54	37.47	3831.05	0.10				
01/28/14	3868.54	38.90	3830.47	1.00				
06/18/14	3868.54	39.13	3830.17	0.91				
11/18/14	3868.54	40.01	3829.95	1.71				
12/07/15	3868.54	41.09	3829.92	2.98				
04/26/16	3868.54	39.48	3829.76	0.84				
10/24/16	3868.54	39.59	3829.80	1.02				
05/22/17	3868.54	39.80	3829.66	1.11				
11/28/17	3868.54	40.06	3829.52	1.25				
07/17/18	3868.65	40.03	3829.62	1.21				
03/04/19	3868.65	40.33	3829.38	1.28				
10/01/19	3868.65	39.14	3830.32	0.97				
06/23/20	3868.65	40.20	3829.28	1.00				
12/14/20	3868.65	39.97	3829.11	0.52				
06/29/21	3868.65	40.00	3828.99	0.41				
12/20/21	3868.65	39.99	3829.08	0.50				
05/24/22	3868.65	39.98	3828.98	0.37				
12/28/22	3868.65	40.11	3828.86	0.39				
06/13/23	3868.65	40.12	3,828.79	0.31				
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**							
07/21/06	3867.00	31.84	3835.16	No	**0.034**	0.001	0.001	0.0531
02/07/07	3867.00	31.93	3835.07	No	**0.00667**	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	No	**1.34**	<0.00100	<0.00100	<0.00300
09/21/08	3867.00							
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3867.00	34.42	3832.58	No				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**							
10/13/11	3867.00	36.14	3830.86	No				
02/22/12	3867.00	38.65	3828.35	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.52	36.78	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				Unable to sample due to silt in pump.			
05/22/17	3868.52	38.93	3829.59	No				
05/24/17	3868.52				<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3868.52	38.91	3829.61	No				
11/29/17	3868.52				<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3868.66	39.02	3829.64	No				
07/20/18	3868.66				<0.00050	<0.00050	<0.00050	<0.00050
03/07/19	3868.66	39.26	3829.40	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3868.66	39.32	3829.34	No	Insufficient water to sample.			
06/23/20	3868.66	39.35	3829.31	No	Insufficient water to sample.			
12/14/20	3868.66	39.49	3829.17	No	Insufficient water to sample.			
06/29/21	3868.66	39.65	3829.01	No				
07/01/21	3868.66				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3868.66	39.53	3829.13	No				
12/22/21	3868.66				<0.00050	<0.00050	<0.00050	<0.0010
05/26/22	3868.66	39.78	3828.88	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3868.66	39.86	3828.80	No				
12/29/22	3868.66			Sheen	<0.0010	<0.0010	<0.0010	<0.0020
06/20/23	3868.44	40.01	3,828.51	0.10				
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
07/25/06	3864.14	29.05	3835.09	No	**0.0279**	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	No	**0.0332**	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	No	**0.0147**	<0.00100	0.00422	0.0167
09/20/08	3864.14							
09/26/08	3864.14	30.17	3833.97	No	**0.0194**	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	No	**0.0158**	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	No	**0.0138**	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	No	**0.0250**	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	Sheen	**0.0348**	<0.00100	0.0026	<0.00300
07/17/12	3865.67	33.96	3831.73	0.02				
10/03/12	3865.67	34.16	3831.52	0.01				
05/14/13	3865.67	35.96	3829.98	0.32				
01/27/14	3865.67	35.22	3830.47	0.03				
06/17/14	3865.67	35.54	3830.13	Sheen				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
11/18/14	3865.67	35.64	3830.03	Sheen				
12/07/15	3865.67	35.76	3829.92	0.01				
04/26/16	3865.67	36.00	3829.68	0.01				
10/24/16	3865.67	35.84	3829.83	(d)				
05/22/17	3865.67	Dry						
11/28/17	3865.67	36.11	3829.56	No				
07/17/18	3865.76	Dry						
03/04/19	3865.76	Dry						
10/01/19	3865.76	Dry						
06/23/20	3865.76	Dry						
12/14/20	3865.76	Dry						
06/29/21	3865.76	Dry						
12/20/21	3865.76	Dry						
05/24/22	3865.76	Dry						
12/28/22	3865.76	Dry						
06/20/23	3865.76	Dry						
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	No	**0.00561**	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80							
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653
10/12/11	3863.80				Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				
07/17/12	3865.32	33.80	3831.68	0.19				
10/03/12	3865.32	33.96	3831.58	0.26				
05/14/13 - Present	3865.32				Unable to locate - Presumed destroyed.			
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
07/21/06	3868.29	33.48	3834.81	No	0.00137	0.001	0.001	0.003
02/06/07	3868.29	33.60	3834.69	No	0.00170	<0.00100	<0.00100	<0.00300
04/15/08	3868.29	34.10	3834.19	No	0.00254	<0.00100	<0.00100	<0.00300
09/21/08	3868.29							
09/26/08	3868.29	34.66	3833.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/05/09	3868.29	35.16	3833.13	No	**0.00585**	<0.00100	<0.00100	<0.00300
05/18/09	3868.29	35.44	3832.85	No	0.00404	<0.00100	<0.00100	<0.00300
08/19/09	3868.29	35.70	3832.59	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.29	35.93	3832.36	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.29	37.66	3830.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.29	38.49	3829.80	No	0.00136	<0.00100	<0.00100	<0.00300
07/17/12	3869.82	38.30	3831.52	No	**0.00529**	<0.00100	0.00654	0.0132
10/03/12	3869.82	38.40	3831.50	0.10	**0.135**	0.00971	0.177	**0.829**
05/14/13	3869.82	38.99	3830.88	0.06				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
01/28/14	3869.82	40.12	3830.14	0.53				
06/17/14	3869.82	40.22	3829.84	0.29				
11/17/14	3869.82	40.35	3829.64	0.20				
12/07/15	3869.82	40.51	3829.51	0.24				
04/26/16	3869.82	40.68	3829.37	0.28				
10/24/16	3869.82	40.71	3829.33	0.27				
05/22/17	3869.82	40.85	3829.26	0.35				
11/28/17	3869.82	40.80	3829.21	0.23				
07/17/18	3869.90	40.90	3829.27	0.33				
03/04/19	3869.90	41.23	3829.04	0.44				
10/01/19	3869.90	41.25	3828.97	0.38				
06/23/20	3869.90	41.20	3828.95	0.30				
12/14/20	3869.90	41.42	3828.71	0.28				
06/29/21	3869.90	41.51	3828.49	0.12				
12/20/21	3869.90	41.27	3828.70	0.08				
05/24/22	3869.90	41.30	3828.62	0.02				
05/25/22	3869.90	41.29	3828.62	0.01				
12/28/22	3869.90	41.68	3828.27	0.02				
06/13/23	3869.90	41.51	3,828.42	0.04				
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
07/21/06	3868.85	34.10	3834.75	No	**0.0133**	0.001	0.001	0.003
02/06/07	3868.85	34.22	3834.63	No	**0.0115**	<0.00100	<0.00100	<0.00300
04/15/08	3868.85	34.76	3834.09	No	**0.00599**	<0.00100	<0.00100	<0.00300
09/21/08	3868.85							
09/26/08	3868.85	35.34	3833.51	No	**0.00635**	<0.00100	<0.00100	<0.00300
02/05/09	3868.85	35.84	3833.01	No	0.00409	<0.00100	<0.00100	<0.00300
05/18/09	3868.85	36.12	3832.73	No	0.00348	<0.00100	<0.00100	<0.00300
08/19/09	3868.85	36.40	3832.45	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.85	36.61	3832.24	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3868.85	36.65	3832.20	No				
10/13/11	3868.85	38.30	3830.55	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.85	38.83	3830.02	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3870.38	38.96	3831.42	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3870.38	39.46	3830.92	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38				<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3870.38	41.29	3829.09	No				
11/29/17	3870.38				0.00051	<0.00050	<0.00050	<0.00050

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
07/17/18	3870.47	41.27	3829.20	No				
07/20/18	3870.47	41.30	3829.17	No	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3828.89	No	0.00073	<0.00050	<0.00050	<0.00050
10/01/19	3870.47	41.58	3828.89	No	Insufficient water to sample.			
06/23/20	3870.47	41.62	3828.85	No	Insufficient water to sample.			
12/14/20	3870.47	41.72	3828.75	No	Insufficient water to sample.			
06/29/21	3870.47	41.90	3828.57	No				
07/01/21	3870.47				0.00094 J	<0.0010	<0.0010	0.0041
12/20/21	3870.47	41.88	3828.59	No				
12/22/21	3870.47				<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3870.47	41.42	3829.05	No	Insufficient water to sample.			
12/28/22	3870.47	42.90(f)	(f)	No				
06/20/23	3870.47	42.27	3,828.20	No	Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06							
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06				<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06				<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06				<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3828.79	No				
03/07/19	3869.68	40.71	3828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.68	40.86	3828.82	No				
10/03/19	3869.68				<0.00050	<0.00050	0.00033 J	<0.0010
06/23/20	3869.68	40.93	3828.75	No				
06/25/20	3869.68				0.00011 J	<0.00050	0.000099 J	<0.0010
12/14/20	3869.68	41.01	3828.67	No				
12/16/20	3869.68				<0.00050	<0.00050	<0.00050	<0.0010

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
06/29/21	3869.68	41.19	3828.49	No				
07/01/21	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.68	41.14	3828.54	No				
12/21/21	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.68	41.28	3828.40	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.68	41.33	3828.35	No				
12/30/22	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.68	41.45	3,828.23	No				
06/21/23	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**							
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598
09/21/08	3867.74							
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	**0.737**	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				
11/17/14	3869.27	40.50	3829.54	0.93				
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
11/28/17	3869.27	40.58	3829.09	0.48				
07/17/18	3869.40	40.57	3829.21	0.46				
03/04/19	3869.40	40.81	3828.98	0.47				
10/01/19	3869.40	40.78	3828.94	0.39				
06/23/20	3869.40	40.76	3828.92	0.34				
12/14/20	3869.40	40.79	3828.73	0.15				
06/29/21	3869.40	40.93	3828.63	0.19				
12/20/21	3869.40	40.97	3828.52	0.11				
05/25/22	3869.40	40.93	3828.55	0.10				
12/28/22	3869.40	41.04	3828.47	0.13				
06/13/23	3869.40	41.04	3,828.37	0.01				
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**							
04/30/08	3867.11	29.65	3837.46	No	**3.64**	0.102	0.292	0.499
09/21/08	3867.11							
09/26/08	3867.11	33.11	3834.00	No	**9.26**	0.513	**0.972**	**1.71**
02/06/09	3867.11	33.62	3833.49	No	**10.1**	0.554	**1.050**	**1.89**
05/19/09	3867.11	33.88	3833.23	No	**8.44**	0.323	**0.842**	**1.38**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**							
08/19/09	3867.11	34.32	3832.89	0.12	**8.13**	0.305	**0.950**	**2.07**
10/30/09	3867.11	34.45	3832.72	0.07	**9.55**	0.218	**1.03**	**1.75**
10/13/11	3867.11	36.90	3831.00	0.95				
02/22/12	3867.11	37.78	3829.89	0.68				
07/17/12	3868.63	38.85	3831.86	2.50				
10/03/12	3868.63	39.02	3831.67	2.48				
05/14/13	3868.63	38.89	3831.30	1.88				
01/28/14	3868.63	39.91	3830.47	2.11				
06/17/14	3868.63	39.91	3830.19	1.77				
11/18/14	3868.63	41.56	3829.97	3.49				
12/07/15	3868.63	41.31	3829.94	3.16				
04/26/16	3868.63	40.12	3829.79	1.54				
10/24/16	3868.63	39.55	3829.87	0.95				
05/22/17	3868.63	39.91	3828.78	0.07				
11/28/17	3868.63	39.85	3829.62	1.01				
07/17/18	3868.76	39.86	3829.70	0.96				
03/04/19	3868.76	40.17	3829.44	1.02				
10/01/19	3868.76	40.24	3829.37	1.03				
06/23/20	3868.76	40.35	3829.31	1.09				
12/14/20	3868.76	39.91	3829.15	0.36				
06/29/21	3868.76	40.10	3829.07	0.49				
12/20/21	3868.76	39.87	3829.15	0.31				
05/26/22	3868.76	39.97	3828.98	0.23				
12/28/22	3868.76	40.22	3828.93	0.47				
06/13/23	3868.76	40.39	3,828.83	0.55				
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**							
04/30/08	3866.92	29.48	3837.44	No	**0.0449**	0.00125	0.0231	0.0341
09/21/08	3866.92							
09/26/08	3866.92	32.82	3834.10	No	**0.123**	0.00187	0.0164	0.0911
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535
10/03/12	3868.47	36.90	3831.57	No	**0.107**	<0.00100	0.0965	0.0179
05/14/13	3868.47	38.39	3831.27	1.43				
01/28/14	3868.47	38.81	3830.55	1.07				
06/17/14	3868.47	38.76	3830.27	0.67				
11/18/14	3868.47	40.75	3830.04	2.79				
12/07/15	3868.47	41.49	3830.03	3.68				
04/26/16	3868.47	40.85	3829.87	2.71				
10/24/16	3868.47	40.86	3830.05	2.94				
05/22/17	3868.47	41.61	3829.72	3.44				
11/28/17	3868.47	40.00	3829.62	1.39				
07/17/18	3868.62	39.25	3829.79	0.50				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**							
03/04/19	3868.62	39.79	3829.54	0.85				
10/01/19	3868.62	39.85	3830.52	2.11				
06/23/20	3868.62	40.10	3829.42	1.09				
12/14/20	3868.62	39.58	3829.24	0.24				
06/29/21	3868.62	39.47	3829.17	0.03				
12/20/21	3868.62	39.56	3829.22	0.19				
05/24/22	3868.62	39.64	3829.12	0.17				
12/28/22	3868.62	39.75	3829.02	0.18				
06/14/23	3868.62	39.84	3,828.88	0.12				
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3867.19	29.74	3837.45	No	**1.230**	0.167	0.320	0.554
09/21/08	3867.19							
09/26/08	3867.19	33.26	3833.94	0.01	**6.540**	**1.350**	**1.130**	**2.4**
02/15/09	3867.19	33.82	3833.44	0.09				
05/19/09	3867.19	34.20	3833.12	0.16	**3.800**	0.632	**0.848**	**1.8**
08/19/09	3867.19	34.40	3832.91	0.15	**3.850**	0.892	**0.799**	**2.25**
10/30/09	3867.19	34.60	3832.69	0.12	**8.96**	0.228	**0.949**	**1.66**
10/13/11	3867.19	38.04	3831.01	2.24				
02/22/12	3867.19	38.41	3830.71	2.32				
07/17/12	3868.74	38.20	3832.03	1.80				
10/03/12	3868.74	39.95	3831.57	3.35				
05/14/13	3868.74	40.11	3831.12	3.00				
01/28/14	3868.74	40.21	3830.47	2.34				
06/17/14	3868.74	39.35	3830.19	0.96				
11/18/14	3868.74	39.76	3830.13	1.39				
12/07/15	3868.74	40.31	3830.25	2.19				
04/26/16	3868.74	39.61	3829.89	0.91				
10/24/16	3868.74	38.70	3830.41	0.44				
05/22/17	3868.74	38.92	3829.84	0.02				
11/28/17	3868.74	38.96	3830.03	0.30				
07/17/18	3868.86	39.33	3829.79	0.31				
03/04/19	3868.86	39.63	3829.51	0.34				
10/01/19	3868.86	39.71	3829.42	0.33				
06/23/20	3868.86	39.80	3829.35	0.35				
12/14/20	3868.86	39.93	3829.06	0.16				
06/29/21	3868.86	39.75	3829.23	0.14				
12/20/21	3868.86	39.78	3829.21	0.16				
05/24/22	3868.86	39.94	3829.00	0.10				
12/28/22	3868.86	40.08	3828.87	0.11				
06/13/23	3868.86	40.18	3,828.76	0.10				
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
04/30/08	3867.02	29.95	3837.07	No	0.00321	<0.00100	0.0237	0.0376
09/21/08	3867.02							
09/26/08	3867.02	32.94	3834.08	No	0.00317	<0.00100	0.0253	0.0790
02/06/09	3867.02	33.39	3833.63	No	**0.0113**	<0.00100	0.0426	0.0634
05/18/09	3867.02	33.73	3833.29	No	**0.00670**	<0.00100	0.0488	0.0526

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
08/19/09	3867.02	34.00	3833.02	No	0.00419	<0.00100	0.0251	0.0797
10/30/09	3867.02	34.17	3832.85	No	0.00391	<0.00100	0.0128	0.0564
10/30/09 D	3867.02	34.17	3832.85	No	**0.00576**	<0.00100	0.0350	0.122
10/13/11	3867.02	35.95	3831.07	No	0.00190	<0.00100	0.0145	0.0342
02/22/12	3867.02	36.45	3830.57	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.54	36.65	3831.89	No	0.00157	<0.00100	0.01860	0.01050
10/03/12	3868.54	37.10	3831.44	No	0.00192	<0.00100	0.06370	0.07700
05/14/13	3868.54	38.05	3831.20	0.86				
01/27/14	3868.54	39.11	3830.67	1.49				
06/17/14	3868.54	39.10	3830.32	1.06				
11/18/14	3868.54	38.88	3830.44	0.94				
12/07/15	3868.54	38.61	3830.52	0.71				
04/26/16	3868.54	39.23	3830.02	0.85				
10/24/16	3868.54	38.36	3830.61	0.52				
05/22/17	3868.54	39.30	3829.82	0.70				
11/28/17	3868.54	38.79	3830.17	0.51				
07/17/18	3868.68	39.34	3829.87	0.64				
03/04/19	3868.68	39.71	3829.63	0.79				
10/01/19	3868.68	39.71	3829.48	0.62				
06/23/20	3868.68	39.63	3829.52	0.57				
12/14/20	3868.68	39.63	3829.26	0.25				
06/29/21	3868.68	39.65	3829.20	0.20				
12/20/21	3868.68	39.79	3829.01	0.15				
05/26/22	3868.68	39.56	3829.18	0.07				
12/28/22	3868.68	39.71	3829.08	0.13				
06/13/23	3868.46	39.87	3,828.76	0.20				
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.64	35.22	3832.42	No	**1.28**	0.0146	**0.845**	**1.19**
10/30/09	3867.64	35.40	3832.24	No	**1.52**	0.0211	**0.986**	**1.55**
10/13/11	3867.64	37.10	3830.54	No	**0.68**	<0.00100	0.407	0.524
02/22/12	3867.64	37.40	3830.24	No	**0.871**	<0.00100	**0.727**	**1.16**
07/17/12	3869.14	37.75	3831.39	No	**0.649**	0.00494	0.504	0.438
10/03/12	3869.14	38.20	3830.94	No	**0.825**	0.0103	0.682	**1.22**
05/14/13	3869.14	38.52	3830.62	Sheen				
01/28/14	3869.14	39.14	3830.00	Sheen				
06/17/14	3869.14	39.43	3829.71	Sheen				
11/07/14	3869.14	39.64	3829.50	Sheen				
12/09/15	3869.14	39.72	3829.42	Sheen				
04/26/16	3869.14	38.36	3830.78	Sheen				
10/24/16	3869.14	39.93	3829.21	(d)				
05/22/17	3869.14	40.00	3829.16	0.02				
11/28/17	3869.14	40.09	3829.05	No				
11/29/17	3869.14				**0.17**	<0.012	**0.77**	0.27
07/17/18	3869.27	40.08	3829.19	No				
07/18/18	3869.27				**0.15**	<0.010	**0.72**	0.20
03/04/19	3869.27	40.38	3828.89	No				
03/06/19	3869.27	40.20	3829.07	No	**0.12**	<0.010	0.59	0.052 J,B

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**							
10/01/19	3869.27	40.34	3828.93	No				
10/03/19	3869.27				**0.12**	<0.010	**0.73**	0.20
06/23/20	3869.27	40.41	3828.86	No				
06/25/20	3869.27				**0.14**	<0.010	**0.91**	0.13
12/14/20	3869.27	40.48	3828.79	No				
12/16/20	3869.27				**0.10**	<0.0020	0.58	0.15
06/29/21	3869.27	40.67	3828.60	No				
06/30/21	3869.27				**0.11**	<0.010	**0.88**	0.54
12/20/21	3869.27	40.61	3828.66	No				
12/21/21	3869.27				**0.093**	<0.010	**0.91**	0.27
05/25/22	3869.27	40.80	3828.47	No	**0.084**	<0.010	**0.770**	0.037
12/28/22	3869.27	40.78	3828.49	No				
12/29/22	3869.27				**0.078**	<0.010	**0.71**	0.018 J
06/20/23	3869.27	40.93	3,828.34	No	**0.053**	<0.010	0.59	0.0080 J
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**							
08/19/09	3867.31	34.45	3832.86	No	**2.40**	0.0206	0.681	**0.836**
10/30/09	3867.31	34.60	3832.71	No	**2.88**	0.0144	**0.779**	**0.703**
10/13/11	3867.31	36.26	3831.05	No	**1.81**	0.00572	0.274	0.108
02/22/12	3867.31	36.59	3830.73	0.01				
07/17/12	3868.79	37.30	3831.82	0.40				
10/03/12	3868.79	38.20	3831.34	0.90				
05/14/13	3868.79	38.23	3831.22	0.80				
01/28/14	3868.79	38.92	3830.53	0.80				
06/17/14	3868.79	38.99	3830.26	0.56				
11/17/14	3868.79	39.12	3830.04	0.44				
12/07/15	3868.79	39.15	3829.92	0.34				
04/26/16	3868.79	39.36	3829.77	0.41				
10/24/16	3868.79	39.19	3829.77	0.21				
05/22/17	3868.79	39.45	3829.62	0.34				
11/28/17	3868.79	39.41	3829.61	0.28				
07/17/18	3868.94	39.50	3829.70	0.31				
03/04/19	3868.94	39.75	3829.44	0.30				
10/01/19	3868.94	39.88	3829.39	0.40				
06/23/20	3868.94	40.02	3829.36	0.53				
12/14/20	3868.94	40.21	3829.15	0.50				
06/29/21	3868.94	40.92	3829.05	1.24				
12/20/21	3868.94	40.89	3829.13	1.30				
05/26/22	3868.94	40.95	3828.99	1.20				
12/28/22	3868.94	41.37	3828.76	1.43				
06/14/23	3868.94	41.20	3,828.81	1.29				
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**							
08/19/09	3867.26	34.22	3833.04	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.26	34.40	3832.86	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.26	36.08	3831.18	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.26	37.14	3830.12	No	0.00188	<0.00100	0.192	0.329
07/17/12	3868.75	36.81	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**							
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	No				
10/25/16	3868.75				0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	No				
05/24/17	3868.75				0.0011	0.00020 J	0.00060	0.0030
11/28/17	3868.75	39.08	3829.67	No				
11/29/17	3868.75				0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	No				
07/18/18	3868.90				0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
10/01/19	3868.90	39.35	3829.55	No				
10/02/19	3868.90				0.00019 J	<0.00050	<0.00050	<0.0010
06/23/20	3868.90	39.47	3829.43	No				
06/24/20	3868.90				0.00017 J	<0.00050	0.00038 J	0.0010
12/14/20	3868.90	39.55	3829.35	No				
12/15/20	3868.90				0.00038 J	<0.00050	0.0032	<0.0010
06/29/21	3868.90	39.80	3829.19	0.11				
12/20/21	3868.90	39.54	3829.79	0.52				
05/26/22	3868.90	40.65	3829.14	1.07				
12/28/22	3868.90	40.68	3829.07	1.02				
06/14/23	3868.90	40.90	3,828.84	1.01				
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098
12/07/15	3868.97	39.90	3829.83	0.92				
04/26/16	3868.97	40.04	3829.70	0.93				
10/24/16	3868.97	40.50	3829.60	1.36				
05/22/17	3868.97	40.42	3829.53	1.18				
11/28/17	3868.97	39.66	3829.58	0.33				
07/17/18	3869.15	40.48	3829.66	1.19				
03/04/19	3869.15	39.99	3829.58	0.50				
10/01/19	3869.15	40.98	3829.37	1.45				
06/23/20	3869.15	41.23	3829.30	1.66				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
12/14/20	3869.15	41.34	3829.15	1.62				
06/29/21	3869.15	41.10	3829.01	1.16				
12/20/21	3869.15	40.36	3829.12	0.40				
05/26/22	3869.15	40.39	3828.97	0.25				
12/28/22	3869.15	40.50	3828.78	0.16				
06/14/23	3869.15	40.46	3,828.71	0.03				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	No				
10/25/16	3868.89				0.00383	<0.00100	<0.00100	<0.00300
05/22/17	3868.89	39.26	3829.73	0.12				
11/28/17	3868.89	39.63	3829.62	0.43				
07/17/18	3869.07	40.05	3829.86	1.01				
03/04/19	3869.07	40.24	3829.62	0.95				
10/01/19	3869.07	40.13	3829.55	0.74				
06/23/20	3869.07	40.20	3829.49	0.75				
12/14/20	3869.07	39.89	3829.33	0.18				
06/29/21	3869.07	40.01	3829.19	0.16				
12/20/21	3869.07	39.89	3829.30	0.15				
05/26/22	3869.07	40.04	3829.13	0.12				
12/28/22	3869.07	40.21	3828.92	0.07				
06/14/23	3869.07	41.16	3,827.96	0.06				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**							
10/24/16	3869.73	40.82	3828.91	No				
10/25/16	3869.73				<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73				<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	No				
11/29/17	3869.73				<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	No				
07/18/18	3869.86	40.90	3828.96	No	<0.00050	0.00041 J	<0.00050	<0.00050
03/06/19	3869.86	41.16	3828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.86	41.18	3828.68	No				
10/03/19	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.86	41.24	3828.62	No				
06/25/20	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.86	41.32	3828.54	No				
12/16/20	3869.86				<0.00050	<0.00050	0.00099	<0.0010
06/29/21	3869.86	41.51	3828.35	No				
07/01/21	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.86	41.44	3828.42	No				
12/21/21	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.86	41.58	3828.28	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.86	41.62	3828.24	No				
12/30/22	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.86	41.75	3,828.11	No				
06/21/23	3869.86				0.00022 J	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**							
02/22/12	3867.58	36.77	3830.81	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.08	37.13	3831.95	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.08	37.30	3831.78	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.08	37.88	3831.20	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.08	38.51	3830.57	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.08	38.79	3830.29	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3869.08	39.03	3830.05	No	**0.13**	<0.00100	0.0092	0.065
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150
10/24/16	3869.08	34.35	3834.82	0.11				
05/22/17	3869.08	39.42	3829.75	0.11				
11/28/17	3869.08	39.50	3829.65	0.08				
07/17/18	3869.22	39.46	3829.82	0.07				
03/04/19	3869.22	39.72	3829.58	0.10				
10/01/19	3869.22	39.74	3829.52	0.05				
06/23/20	3869.22	39.81	3829.47	0.07				
12/14/20	3869.22	39.96	3829.30	0.05				
06/29/21	3869.22	40.07	3829.17	0.03				
12/20/21	3869.22	40.01	3829.28	0.08				
05/26/22	3869.22	40.13	3829.11	0.03				
12/28/22	3869.22	40.12	3829.13	0.04				
06/14/23	3869.22	40.28	3,828.95	0.01				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-24	**Well Screen Interval (feet): 28.00-43.00**							
02/22/12	3866.60	35.74	3830.89	0.04				
07/17/12	3867.88	39.70	3831.62	4.15				
10/03/12	3867.88	40.09	3831.40	4.35				
05/14/13	3867.88	38.05	3831.35	1.83				
01/28/14	3867.88	41.92	3830.28	5.21				
06/17/14	3867.88	43.09	3830.04	6.33				
11/18/14	3867.88	43.30	3829.98	6.50				
12/07/15	3867.88	42.51	3829.94	5.50				
04/27/16	3867.88	41.39	3829.54	3.68				
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	1.80				
11/28/17	3867.88	40.54	3830.11	3.34				
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3829.39	1.80				
10/01/19	3868.04	39.98	3828.91	1.02				
06/23/20	3868.04	40.95	3829.21	2.55				
12/14/20	3868.04	40.04	3829.05	1.27				
06/29/21	3868.04	38.44	3830.51	1.10				
12/20/21	3868.04	39.38	3829.37	0.86				
05/26/22	3868.04	39.72	3828.95	0.76				
12/28/22	3868.04	40.21	3829.02	1.43				
06/13/23	3868.04	40.25	3,828.72	1.12				
Field Point MW-25	**Well Screen Interval (feet): 28.00-43.00**							
02/22/12	3867.61	37.00	3830.61	No	**8.7**	**1.12**	**0.911**	**2.7**
07/17/12	3868.99	37.84	3831.58	0.52				
10/03/12	3868.99	38.92	3830.91	1.01				
05/14/13	3868.99	40.02	3830.99	2.43				
01/28/14	3868.99	41.72	3830.26	3.60				
06/17/14	3868.99	41.74	3829.99	3.30				
11/17/14	3868.99	41.45	3829.77	2.69				
12/07/15	3868.99	40.96	3829.73	2.05				
04/26/16	3868.99	40.00	3829.57	0.70				
10/24/16	3868.99	41.03	3829.53	1.89				
05/22/17	3868.99	41.13	3829.42	1.88				
11/28/17	3868.99	41.57	3829.34	2.31				
07/17/18	3869.14	40.20	3829.52	0.70				
03/04/19	3869.14	40.99	3829.27	1.35				
10/01/19	3869.14	41.49	3829.19	1.85				
06/23/20	3869.14	41.89	3829.17	2.31				
12/14/20	3869.14	40.69	3829.01	0.67				
06/29/21	3869.14	40.78	3828.92	0.67				
12/20/21	3869.14	40.56	3828.97	0.47				
05/26/22	3869.14	40.62	3828.82	0.36				
12/28/22	3869.14	40.76	3828.64	0.31				
06/13/23	3869.14	40.65	3,828.68	0.23				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
02/22/12	3867.59	37.28	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.98	37.90	3831.08	No	0.00177	<0.00100	<0.00100	<0.00300
10/03/12	3868.98	37.93	3831.05	No	0.00236	<0.00100	<0.00100	<0.00300
05/15/13	3868.98	38.37	3830.61	No	**0.0153**	<0.00017	<0.00019	<0.00018
01/29/14	3868.98	39.01	3829.97	No	**0.0129**	<0.00017	<0.00019	<0.00058
06/18/14	3868.98	39.30	3829.68	No	0.000672 J	<0.00017	<0.00019	<0.00038
11/19/14	3868.98	39.55	3829.43	No	0.0033	<0.00100	<0.00100	<0.002
12/08/15	3868.98	39.58	3829.40	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	No				
10/25/16	3868.98				<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	No				
05/24/17	3868.98				**0.037**	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	No				
11/29/17	3868.98				0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	No				
07/18/18	3869.15				**0.12**	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3829.01	0.55				
10/01/19	3869.15	41.41	3829.01	1.53				
06/23/20	3869.15	41.60	3828.94	1.67				
12/14/20	3869.15	41.82	3828.77	1.74				
06/29/21	3869.15	42.01	3828.63	1.80				
12/20/21	3869.15	41.81	3828.73	1.67				
05/25/22	3869.15	42.10	3828.58	1.84				
12/28/22	3869.15	42.13	3828.51	1.80				
06/14/23	3869.15	42.18	3,828.41	1.73				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.12	39.63	3829.49	No				
07/19/18	3869.12	39.60	3829.52	No	<0.00050	0.00025 J	<0.00050	<0.00050
03/06/19	3869.12	39.85	3829.27	No	0.000083 J	<0.00050	<0.00050	<0.00050
10/01/19	3869.12	39.88	3829.24	No				
10/02/19	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.12	39.98	3829.14	No				
06/24/20	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.12	40.05	3829.07	No				
12/15/20	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.12	40.25	3828.87	No				
06/30/21	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.12	40.16	3828.96	No				
12/21/21	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.12	40.33	3828.79	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.12	40.38	3828.74	No				
12/29/22	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.12	40.53	3,828.59	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.32	39.65	3829.67	No				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**							
07/19/18	3869.32				<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.32	39.89	3829.43	No				
10/02/19	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.32	39.99	3829.33	No				
06/24/20	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.32	40.06	3829.26	No				
12/15/20	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.32	40.26	3829.06	No				
06/30/21	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.32	40.11	3829.21	No				
12/21/21	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.32	40.40	3828.92	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.32	40.36	3828.96	No				
12/29/22	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.08	40.51	3,828.57	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**							
07/17/18	3869.36	39.52	3829.84	No				
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3829.66	No				
10/02/19	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.36	39.83	3829.53	No				
06/24/20	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.36	39.88	3829.48	No				
12/15/20	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.36	40.08	3829.28	No				
06/30/21	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.36	40.01	3829.35	No				
12/21/21	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3869.36	40.07	3829.29	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.36	40.16	3829.20	No				
12/29/22	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.36	40.34	3,829.02	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**							
07/17/18	3869.10	39.10	3830.00	No				
07/19/18	3869.10				<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.10	39.44	3829.66	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.10	39.39	3829.71	No				
10/02/19	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.10	39.52	3829.58	No				
06/24/20	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.10	39.57	3829.53	No				
12/15/20	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.10	39.77	3829.33	No				
06/30/21	3869.10				<0.00050	<0.00050	<0.00050	<0.0010

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3869.10	39.68	3829.42	No				
12/21/21	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3869.10	39.75	3829.35	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.10	39.85	3829.25	No				
12/29/22	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.10	40.04	3,829.06	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.05	39.90	3829.15	No				
07/19/18	3869.05				<0.00050	0.00039 J	<0.00050	0.0010
03/07/19	3869.05	40.16	3828.89	No	0.00044 J	<0.00050	0.00065	0.0019 J
10/01/19	3869.05	40.18	3828.87	No				
10/03/19	3869.05				0.00011 J	<0.00050	0.00013 J	<0.0010
06/23/20	3869.05	40.25	3828.80	No				
06/25/20	3869.05				<0.00050	<0.00050	0.00028 J	<0.0010
12/14/20	3869.05	40.32	3828.73	No				
12/16/20	3869.05				0.00045 J	<0.00050	0.00039 J	<0.0010
06/29/21	3869.05	40.50	3828.55	No				
07/01/21	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.05	40.44	3828.61	No				
12/22/21	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.05	40.61	3828.44	No	0.00021 J	<0.00050	<0.00050	<0.0010
12/28/22	3869.05	40.64	3828.41	No				
12/30/22	3869.05				0.00022 J	<0.00050	<0.00050	<0.0010
06/20/23	3869.05	40.76	3,828.29	No				
06/21/23	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3870.35	41.28	3829.07	No				
07/19/18	3870.35				0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B
10/01/19	3870.35	41.55	3828.80	No				
10/03/19	3870.35				0.0012	<0.00050	<0.00050	<0.0010
06/23/20	3870.35	41.63	3828.72	No				
06/24/20	3870.35				0.00097	<0.00050	<0.00050	<0.0010
12/14/20	3870.35	41.69	3828.66	No				
12/16/20	3870.35				0.00087	<0.00050	<0.00050	<0.0010
06/29/21	3870.35	41.89	3828.46	No				
06/30/21	3870.35				0.00097	<0.00050	<0.00050	<0.0010
12/20/21	3870.35	41.81	3828.54	No				
12/21/21	3870.35				0.00071	<0.00050	<0.00050	<0.0010
05/25/22	3870.35	41.99	3828.36	No	0.00073	<0.00050	<0.00050	<0.0010
12/28/22	3870.35	42.01	3828.34	No				
12/29/22	3870.35				0.00079	<0.00050	0.00032 J	<0.0010
06/20/23	3870.19	42.13	3,828.06	No	0.00077	<0.00050	<0.00050	<0.0010
06/22/23	3870.19							
Field Point MW-33	**Well Screen Interval (feet):**	**33.00-53.00**						
06/22/23	3869.17	41.02	3,828.15	No	<0.00050	<0.00050	<0.00050	<0.0010

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-34	**Well Screen Interval (feet):**		**33.00-53.00**					
06/22/23	3869.35	41.39	3,827.96	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-35	**Well Screen Interval (feet):**		**33.00-53.00**					
06/22/23	3869.00	41.48	3,827.52	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-36	**Well Screen Interval (feet):**		**33.00-53.00**					
06/20/23	3869.23	40.84	3,828.39	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-37	**Well Screen Interval (feet):**		**33.00-53.00**					
06/23/23	3867.91	39.05	3,828.86	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-38	**Well Screen Interval (feet):**		**33.00-53.00**					
06/22/23	3867.70	35.86	3,831.84	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point SB-1GW	**Grab Groundwater Sample**							
10/28/11					**0.00719**	<0.00100	<0.00100	<0.00300
Field Point SB-2GW	**Grab Groundwater Sample**							
10/28/11					**1.88**	0.0938	0.138	0.26
Field Point SB-3GW	**Grab Groundwater Sample**							
10/28/11					**1.94**	**2.42**	**0.986**	**2.27**
Field Point SB-4GW	**Grab Groundwater Sample**							
10/28/11					**3.91**	0.0703	0.587	**1.15**
Field Point SB-5GW	**Grab Groundwater Sample**							
10/28/11					**2.9**	0.024	0.034	0.218
Field Point SB-6GW	**Grab Groundwater Sample**							
10/28/11					0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11					**0.135**	0.00135	0.0263	0.0759

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculat
data not used to compile groundwater elevation map.

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**																		
07/24/06	<0.00101	<0.00101	0.141	0.0165	**0.00260**	0.000971	<0.000202	0.00128	0.0111	<0.000202	0.0788	0.00614	<0.000202	0.00434	0.0246	0.0639 (a)	0.194	0.109	**0.3669**
02/08/07	<0.00105	<0.00526	<0.00526	0.00603	<0.000105	0.00267	<0.000211	0.000886	0.00615	0.0104	0.153	0.0153	<0.000211	0.0489	0.0493	0.139 (a)	0.178	0.300	**0.6170**
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0553	0.0400	0.0522	**0.1475**
05/19/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0461	0.0313	0.0403	**0.1177**
08/19/09	<0.0200	<0.100	0.0871 R12	0.162 R1	<0.00200	0.0369	0.0358 R1	0.0321 R1	0.323	0.0550 R1	1.660 R1	0.0895	0.0210	1.620 R1	1.470 R1	0.627 (c)	3.940 R1	1.940	**6.507 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000992	<0.000200	0.00634 R1	0.00163	<0.000200	0.0132 R1	0.00554 R1	0.0746 (c)	0.118 R1	0.0573	**0.250 R1**
10/12/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**																		
07/25/06	<0.000939	<0.00217	0.228	0.0300	**0.00533**	0.0173	0.000665	0.00101	0.0420	0.00186	0.155	0.00823	<0.000188	0.0603	0.0333	0.0211 (a)	0.163	0.0696	**0.2537**
02/08/07	<0.00109	<0.00543	0.142	0.0128	<0.000109	0.00297	<0.000217	0.00150	0.00802	0.0156	0.0491	0.0174	<0.000217	0.232	0.075	0.0208 (a)	0.258	0.238	**0.5168**
09/26/08	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	0.117	0.201	0.287	**0.0484**
08/19/09	<0.00513	<0.0256	0.0783 R12	0.157	<0.000513	0.0318 R1	0.0357 R1	0.0269 R1	0.311	0.0530 R1	0.673 R1	0.0992	0.0216	1.660 R1	1.410 R1	0.730 (c)	5.070 R1	2.750	**8.550 R1**
10/30/09	<0.00100	<0.00500	<0.00100	0.00507 R1	0.000684 R1	0.00124 R1	0.00133 R1	0.00166 R1	0.0104	0.00390 R1	0.0400 R1	0.00407	<0.000200	0.0382 R1	0.0545 R1	0.0514 (c)	0.0975 R1	0.0781	**0.227 R1**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**																		
07/24/06	<0.00106	<0.00106	0.127	0.0160	**0.00245**	0.000869	<0.000213	0.00131	0.0113	<0.000213	0.0772	0.00575	<0.000213	0.0357	0.0182	0.0315 (a)	0.161	0.0752	**0.2677**
02/08/07	<0.00111	<0.00556	0.0914	0.00885	**0.00172**	0.00209	<0.000222	0.00121	0.00849	0.0136	0.0437	0.012	<0.000222	0.191	0.0557	0.053 (a)	0.220	0.255	**0.5280**
09/26/08	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0146	0.0154	0.0162	**0.0462**
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0164	0.0199	0.0215	**0.0578**
08/19/09	<0.00103	<0.00513	0.00966 R12	0.0234 R1	**0.00225 R1**	0.00490 R1	0.00422 R1	0.00416 R1	0.0461	0.00630 R1	0.0907 R1	0.00825	0.00271	0.146 R1	0.161 R1	0.0353 R1 (c)	0.245	0.0885	**0.3688 R1**
10/30/09	<0.000990	<0.00495	0.00168 R12	0.00741 R1	0.000418 R1	0.00208 R1	0.00254 R1	0.00286 R1	0.0147	0.00554 R1	0.0537 R1	0.00478	<0.000198	0.0451 R1	0.0738 R1	0.00943 (c)	0.153 R1	0.0482	**0.211 R1**
12/16/20	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.0013	<0.00095	0.0011	<0.00095	0.046	0.026	0.030	**0.102**
07/01/21	<0.00019	0.000072 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00083	<0.00019	0.00055	<0.00019	0.033	0.015	0.017	**0.065**
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0011	<0.00019	0.00061	<0.00019	0.039	0.017	0.021	**0.077**
05/26/22	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	0.00092	<0.00038	0.00089	<0.00038	0.036	0.022	0.026	**0.084**
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0017	<0.00020	0.0021	0.00012 J	0.037	0.026	0.033	**0.096**
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00048	<0.00019	0.00047	<0.00019	0.022	0.012	0.014	**0.048**
06/21/23 D	0.00066	0.00083	<0.00019	<0.00019	0.000097 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00065	<0.00019	0.00061	<0.00019	0.025	0.014	0.017	**0.056**
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**																		
07/25/06	<0.000939	0.0026	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	0.000947	<0.000188	<0.000469	<0.000188	0.0227 (a)	0.0373	0.0286	**0.0886**
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	0.0168	0.0023	<0.000208	0.00901	0.0117	0.027 (a)	0.0553	0.147	**0.2293**
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	0.0406	0.0320	0.0428	**0.1154**
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	0.0397	0.0271	0.0392	**0.1060**
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.1578
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.00217	<0.000194	0.00365 R1	0.00126	0.000459 R1	0.0143 R1	0.00854 R1	0.0369 (c)	0.0578	0.0509	**0.1456**
10/30/09	<0.000990	<0.00495	<0.000990	0.0124 R1	<0.000099	0.00316 R1	0.00467 R1	0.00399 R1	0.00447	0.00919 R1	0.103 R1	0.0092	<0.000198	0.0949 R1	0.158 R1	0.0645 (c)	0.311 R1	0.163	**0.539 R1**
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**																		
07/20/06	<0.00472	0.00565	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	0.000356	<0.000189	0.00309	<0.000472	<0.000189	0.00483	<0.000189	0.0589 (a)	0.0914	0.0563	**0.2066**
02/07/07	<0.00118	<0.00588	0.0113	<0.000235	<0.000118	<0.000118	<0.000235	<0.000165	<0.000118	<0.000235	0.00227	0.00233	<0.000235	0.0075	0.0037	0.117 (a)	0.105	0.218	**0.4400**
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	0.0693	0.0451	0.0547	**0.1691**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-5 **Well Screen Interval (feet): 27.19-47.19**																			
09/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	0.074	0.0443	0.605	**0.1671**
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	0.0873	0.0573	0.0676	**0.2122**
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.000639	<0.000194	0.00253 R1	0.00241	<0.000194	0.0194 R1	0.00619 R1	0.105 (c)	0.189 R1	0.103	**0.397**
08/19/09 D	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	0.000191 R1	<0.000196	<0.000137	0.000994	<0.000196	0.00269 R1	0.00206 R1	<0.000196	0.0192 R1	0.00682 R1	0.0954 (c)	0.171 R1	0.0707	**0.3371 R1**
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	0.000313	<0.000204	0.00349 R1	0.00213	<0.000204	0.0127 R1	0.00378 R1	0.0191 (c)	0.0375 R12	0.0641	**0.121 R12**
10/12/11	0.000367	0.000178	0.000144	0.000122	0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.00167	<0.000111	0.00146	0.000111	0.0402 (b)	0.0216	0.0287	**0.0905**
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00202	<0.00190	<0.00190	<0.00190	0.0558	0.0229	0.0248	**0.1035**
07/17/12 D	<0.00190	<0.00190	0.00214	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00218	<0.00190	<0.00190	0.00214	<0.00190	0.0568	0.0245	0.0270	**0.1083**
10/03/12	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	0.00253	<0.00196	0.00241	<0.00196	0.0771	0.0296	0.0310	**0.1377**
10/03/12 D	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00249	<0.00189	0.00218	<0.00189	0.0833	0.0265	0.0299	**0.1397**
Field Point MW-6 **Well Screen Interval (feet): 27.05-42.05**																			
07/21/06	<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	<0.0000943	<0.000189	<0.000189	<0.000472	<0.000189	<0.000472	<0.000189	<0.000943 (a)	<0.000943	0.00641	0.006410
02/07/07	<0.00111	<0.00556	<0.00111	<0.000222	<0.000111	<0.000111	<0.000222	<0.000156	<0.000111	<0.000222	<0.000222	0.000637	<0.000222	<0.000556	<0.000222	<0.00111 (a)	<0.00111	<0.00111	<0.00333
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.02970
09/26/08	<0.00943	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
11/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.0.000196	<0.000980	<0.000980	<0.000980	BDL
10/13/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962				
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.0002	<0.0000187	0.0000764 J	<0.0000561	0.0000629 J	<0.00000935	<0.00000935	0.0000629 J
01/28/14	0.0000215 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000178	<0.0000188	0.0000523 J	<0.0000188	0.0000523 J	<0.0000188	<0.0000282	0.0000993
06/18/14	0.0000949	<0.0000284	<0.0000284	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000284	0.0000517 J	<0.000019	0.0000518 J	<0.000019	0.000634	0.000239 B	0.000355 B	0.001228 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000168	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000101	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/01/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/26/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	0.0025	<0.00020	<0.00020	0.00015 J	<0.00020	0.00015 J	<0.00020	<0.00020	0.0014	<0.00020	<0.00020	0.0029	<0.00020	0.0041	0.00043	<0.00020	0.0029	0.00043	0.00333
Field Point MW-7 **Well Screen Interval (feet): 24.35-39.35**																			
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188	<0.000469	<0.000188	0.00383 (a)	0.00855	0.00879	0.02117
02/07/07	<0.00109	<0.00543	<0.00109	<0.000217	<0.000109	<0.000109	<0.000217	<0.000152	<0.000109	<0.000217	<0.000217	0.000772	<0.000217	<0.000543	<0.000217	0.00284 (a)	0.0215	0.0150	**0.03934**
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-7 **Well Screen Interval (feet): 24.35-39.35**																			
05/18/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00135	<0.000200	<0.000500	0.000665	0.00227 (c)	0.00400	<0.00100	0.00627
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00149	<0.000200	<0.000500	0.000609 R1	<0.00100 (c)	0.00873 R1	0.00372	0.0125 R1
10/13/11	0.000116	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.000547	<0.000105	0.000147	<0.000105	0.000537	0.000611	0.000558	0.001706
Field Point MW-8 **Well Screen Interval (feet): 23.05-38.05**																			
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188	<0.000469	<0.000188	<0.000939 (a)	0.00472	<0.000939	0.004720
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208	<0.00104 (a)	0.0201	0.0113	**0.03140**
04/15/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.02940
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00101	<0.000205	<0.000513	0.000657	<0.00103 (c)	0.00674 R1	0.00354 R1	0.01028 R1
10/30/09	<0.00100	<0.00500	<0.00100	>0.000200	<0.000100	0.0001	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.0012	<0.000200	0.0005	0.000518	<0.00100 (c)	0.0101 R1	0.00430	0.0144 R1
Field Point MW-9 **Well Screen Interval (feet): 27.64-42.64**																			
07/21/06	<0.00099	0.001	<0.00099	<0.000198	<0.00099	<0.00099	<0.000198	<0.000139	<0.00099	0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (a)	<0.00099	<0.00099	<0.00297
02/06/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208	<0.00104 (a)	0.0148	0.00424	0.01904
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	0.00101	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952	<0.000952	<0.000952	<0.000952	<0.000952
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000295	<0.0000952	<0.0000952	<0.0000952	0.00143	<0.000952	<0.000952	0.00143
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	0.017	0.00713	<0.00377	0.0271	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	0.005	0.0768	<0.00377	0.0941	0.00931	0.0676	0.537	0.795	**1.3996**
Field Point MW-10 **Well Screen Interval (feet): 28.08-43.08**																			
07/21/06	0.001	0.001	0.001	<0.000200	<0.0001	<0.0001	<0.000200	<0.00014	<0.0001	<0.000200	<0.000200	0.000892	<0.000200	<0.0005	<0.000200	<0.001 (a)	0.001	0.001	0.001
02/06/07	<0.00110	<0.00549	<0.00110	<0.000220	<0.000110	<0.000110	<0.000220	<0.000154	<0.000110	<0.000220	<0.000220	0.000831	<0.000220	<0.00549	<0.000220	<0.00110 (a)	<0.00110	<0.00110	<0.00330
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196	<0.000980 (c)	<0.000980	0.00268	0.00268
11/19/09	<0.00105	<0.00526	<0.00105	<0.000211	<0.000105	<0.000105	<0.000211	<0.000147	<0.000105	<0.000211	<0.000211	0.000683	<0.000211	<0.000526	0.000935 R1	<0.00105 (c)	0.0202 R1	0.0142 R1	**0.0344 R1**
10/13/11	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.000104	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00021	<0.0000187	0.0000876 J	<0.0000561	0.0000706 J	<0.00000935	<0.00000935	0.0000706 J
05/15/13 D	0.0000462 J	<0.0000374	0.000024 J	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00033	<0.0000187	<0.0000561	<0.0000561	0.0000757 J	<0.00000935	<0.00000935	0.0000757 J
01/29/14	0.0000594 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000258	<0.0000188	<0.0000282	<0.0000188	0.0000594 J	<0.0000188	<0.0000282	0.0000594 J
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00021	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/19/14 D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	0.00021	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-10 **Well Screen Interval (feet): 28.08-43.08**																			
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11 **Well Screen Interval (feet): 29.00-44.00**																			
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
10/30/09	<0.000990	<0.00495	<0.000990	<0.000198	<0.000099	<0.000099	<0.000198	<0.000139	<0.000099	<0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (c)	<0.00099	<0.00099	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
01/28/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000191	<0.0000287	<0.0000287	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000287	<0.0000191	<0.0000191	<0.0000287	<0.0000191	0.000425	<0.0000191	<0.0000287	0.000425
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00015 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00022	<0.00019	0.00033	<0.00019	0.00022	0.0010	0.0013	0.00252
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000012 J	<0.00019	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	0.00012 J	0.00010 J	0.00023	0.00011 J	<0.00019	0.00021	<0.00019	<0.00019	0.00022	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	0.000023
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-12 **Well Screen Interval (feet): 30.00-45.00**																			
04/30/08	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0327	0.0316	0.0241	**0.0884**
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	0.0909	0.0512	0.0613	**0.2034**
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	0.0726	0.0434	0.0534	**0.1694**
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000145	<0.000200	0.00136 R1	0.00203	<0.000200	<0.000500	<0.000200	0.12 (c)	0.159 R1	0.0808	**0.3598 R1**
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	0.00270 R1	0.00169	<0.000204	0.0111 R1	0.00257 R1	0.0236 (c)	0.0283 R1	0.0708	**0.123 R1**
10/13/11	0.000337	0.000149	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00197	<0.000099	0.00165	<0.000099	0.0879	0.0406	0.063	**0.1915**
02/22/12	0.000123	0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00115	<0.0000943	0.000991	<0.0000943	0.0659	0.0244	0.0396	**0.1299**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**																		
07/17/12	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0653	0.0357	0.0394	**0.1404**
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.129	0.0464	0.0602	**0.2356**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0366	0.0279	0.0329	**0.0974**
09/26/08	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	0.0986	<0.00980	<0.00980	**0.0986**
05/19/09	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	0.121	0.0712	0.0888	**0.281**
08/19/09	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	0.000578	0.000915 R1	<0.000144	0.00515	<0.000205	0.0118 R1	0.00424	<0.000205	0.0458 R1	0.0277 R1	0.120 (c)	0.291 R1	0.147	**0.558 R1**
10/30/09	<0.000971	<0.00485	<0.000971	0.00309 R1	<0.0000971	0.000598 R1	0.00123 R1	<0.000136	0.00642	0.00300 R1	0.0247 R1	0.00331	<0.000194	0.0238 R1	0.0369 R1	0.0212 (c)	0.0325 R1	0.0743	**0.128 R1**
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	0.0120	0.0103	0.0108	**0.0331**
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	0.00956	<0.00952	<0.00952	0.00956
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	0.000797	<0.000194	0.00411 R1	0.00109	0.00923 (c)	0.0547 R1	0.0172	**0.08113 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	0.000172	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00165 R1	0.00123	<0.000200	0.00441 R1	0.00135 R1	0.00998 (c)	0.0506 R1	0.0186	**0.0792 R1**
10/13/11	0.0002	<0.0000952	0.000429	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.00114	<0.0000952	0.000381	<0.0000952	0.00579	0.00459	0.00418	0.01456
02/22/12	0.000222	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.0013	<0.000111	0.000644	<0.000111	0.0071	0.00479	0.00428	0.01617
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.0137	0.00521	0.005	0.02391
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.0118	0.00625	0.0072	0.02525
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0367	0.0318	0.0395	**0.108**
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	0.0902	0.0636	0.0825	**0.2363**
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0658	0.0380	0.0484	**0.1522**
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	0.000857	<0.000205	0.00315 R1	0.00229	<0.000205	0.0196 R1	0.00753 R1	0.1690 (c)	0.202 R1	0.118	**0.489 R1**
10/30/09	<0.000980	<0.00490	<0.000980	0.00384 R1	<0.000098	0.000723 R1	0.00128 R1	0.00191 R1	0.00786	0.00345 R1	0.0300 R1	0.00380	<0.000196	0.0282 R1	0.0435 R1	0.0274 (c)	0.0407 R1	0.0225	**0.0906 R1**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**																		
04/30/08	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0309
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00109	<0.000205	<0.000513	0.000979 R1	0.00429 R1 (c)	0.00603 R10	0.0127 R1	0.02302 R10, R1
10/13/11	0.000238	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.0017	<0.0000952	0.000343	<0.0000952	0.00154	0.00158	0.00124	0.00436
02/22/12	0.000217	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00153	<0.0000943	0.000292	<0.0000943	0.00122	0.00113	0.00090	0.003245
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	0.00229	<0.00190	0.00229
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.00855	0.00429	<0.00189	0.01284
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**																		
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000315	0.00144	<0.000200	0.0102 R1	<0.000200	0.134 (c)	0.188 R1	0.0768	**0.3988 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	**0.000774 R1**	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00290 R1	0.00180	<0.000200	0.0121 R1	0.00284 R1	0.134 (c)	0.193 R1		**0.327 R1**
10/13/11	0.000307	0.000515	0.0016	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00178	<0.000099	<0.000099	<0.000099	0.0798	0.0364	0.0556	**0.1718**
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.0429	0.0256	0.0306	**0.0991**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-17 **Well Screen Interval (feet): 29.50-44.50**																			
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.0865	0.0325	0.0402	**0.1592**
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0016	<0.00019	0.0013	<0.00019	0.044	0.022	0.028	**0.094**
07/18/18	0.000077 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0015	<0.00019	0.00073	<0.00019	0.053	0.026	0.028	**0.107**
03/06/19	0.00016 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0017	<0.00019	0.0010	<0.00019	0.062	0.030	0.037	**0.067**
10/03/19	0.00027	0.00017 J	<0.00019	0.000023 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0021	<0.00019	0.0012	<0.00019	0.080	0.042	0.048	**0.17**
06/25/20	0.00021	0.00012 J	0.000036 J	0.000085 J	0.000088 J	0.00010 J	0.00015 J	0.00011 J	0.000088 J	0.00015 J	<0.00019	0.0014	0.00014 J	0.00083	0.000026 J,B	0.068	0.033	0.035	**0.136**
12/16/20	0.00016 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00021	<0.00019	0.037	0.013	0.010	**0.060**
06/30/21	0.00014 J	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00097	<0.00019	0.00062	<0.00019	0.058	0.023	0.025	**0.106**
12/21/21	0.000099 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0012	<0.00019	0.00047	<0.00019	0.071	0.031	0.025	**0.127**
05/25/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.00088 J	<0.0019	<0.0019	<0.0019	0.047	0.023	0.019	**0.089**
12/29/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.0015 J	<0.0019	0.0011 J	<0.0019	0.086	0.045	0.053	**0.184**
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00070	<0.00019	0.00038	<0.00019	0.026	0.015	0.014	**0.055**
Field Point MW-18 **Well Screen Interval (feet): 27.00-42.00**																			
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**
Field Point MW-19 **Well Screen Interval (feet): 27.00-42.00**																			
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002	<0.00003	<0.00002	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00018 J	<0.00019	0.00045	0.0013	0.00025	0.002
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00037	<0.00019	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
06/24/20	0.000019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	0.00020	<0.00019	0.00058	0.0028	0.00030	0.00368
Field Point MW-20 **Well Screen Interval (feet): 29.50-44.50**																			
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190	<0.000476	<0.000190	<0.000952 (c)	<0.000952	<0.000952	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-20 **Well Screen Interval (feet): 29.50-44.50**																			
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Field Point MW-21 **Well Screen Interval (feet): 29.50-44.50**																			
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196	<0.000980 (c)	0.00156	<0.000980	0.00156
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.00009
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000190	<0.0000284	<0.0000284	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000284	<0.0000190	<0.0000190	<0.0000284	<0.0000190	0.000155 B	<0.000019	<0.0000284	0.000155 B
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
Field Point MW-22 **Well Screen Interval (feet): 30.00-45.00**																			
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	0.0000541 J	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000194	<0.0000291	<0.0000291	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000291	<0.0000194	<0.0000191	<0.0000291	<0.0000194	0.000278 B	<0.0000194	<0.0000291	0.000278 B
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00014 J	<0.00019	<0.00019	0.00014 J

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-22 **Well Screen Interval (feet): 30.00-45.00**																			
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/30/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-23 **Well Screen Interval (feet): 31.00-46.00**																			
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00500	<0.00192	<0.00192	<0.00500
05/15/13	<0.000019	<0.0000381	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000286	<0.000019	<0.000019	<0.000019	<0.0000381	<0.000019	<0.000019	<0.0000571	<0.0000571	<0.000019	<0.00000952	<0.00000952	<0.000019
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	0.0000932 J	<0.0000188	<0.0000188	0.0000687 J	0.0000724 J	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000204	<0.0000306	<0.0000306	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000306	<0.0000204	<0.0000204	<0.0000306	<0.0000204	0.0000606 J B	<0.0000204	<0.0000306	0.000606 J B
11/18/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000220	<0.000190	<0.000190	<0.000190	0.0125	0.00669	0.00559	0.02478
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000280	<0.0000939	0.000177 B	<0.0000939	0.00754	0.00497	0.00409	0.0166
Field Point MW-25 **Well Screen Interval (feet): 28.00-43.00**																			
02/22/12	0.000168	0.000179	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.00232	<0.000105	0.0018	<0.000105	0.0939	0.0427	0.0688	**0.2054**
Field Point MW-26 **Well Screen Interval (feet): 30.00-45.00**																			
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	0.0000818 J	0.000048 J	<0.0000282	0.0001298
06/18/14	<0.0000189	<0.0000283	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000283	<0.0000189	0.000394 B	<0.0000189	<0.0000283	0.000391 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000370	0.000130	0.0000991	0.0005991
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00020	0.00018 J	0.00015 J	0.00053
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27 **Well Screen Interval (feet): 35.00-50.00**																			
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00024	<0.00019	0.000032 J	<0.00019	0.000079 J	0.00026	0.000093 J	0.000432
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/06/19	0.00010 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	<0.00020	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00052	<0.00019	0.0000059 J	<0.00019	0.00014 J	0.00011 J	0.000016 J	0.000266
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00063	<0.00019	0.000015 J	<0.00019	0.00026	0.00013 J	0.000019 J	0.000409
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	<0.00019	<0.00019	0.00022	0.00043	<0.00019	0.00065
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00039	<0.00019	<0.00019	<0.00019	0.00029	0.00080	0.00023	0.00132
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00053	<0.00019	<0.00019	<0.00019	<0.00019	0.00050	<0.00019	0.00050
12/29/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00055	<0.00019	0.00012 J	<0.00019	0.0015	0.0013	0.00091	0.00371
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	<0.00019	<0.00019	<0.00019	0.00020	<0.00019	0.00020
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00034	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	0.00019
Field Point MW-33	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-34	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-35	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-36	**Well Screen Interval (feet): 33.00-53.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-37	**Well Screen Interval (feet): 33.00-53.00**																		
06/23/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-38	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point SB-1GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	0.000452	<0.0000962	0.000115	0.000462	0.000144	0.000721

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point SB-2GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.00034	<0.0000971	0.000359	<0.0000971	0.00922	0.00625	0.00883	0.0243
Field Point SB-3GW	**Grab Groundwater Sample**																		
10/28/11	0.0005	0.000167	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00165	<0.000098	0.00168	<0.000098	0.0835	0.039	0.0606	**0.1831**
Field Point SB-4GW	**Grab Groundwater Sample**																		
10/28/11	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000216	<0.000098	0.000363	<0.000098	0.0137	0.0084	0.00967	**0.03177**
Field Point SB-5GW	**Grab Groundwater Sample**																		
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098	0.000559	<0.000098	0.0499	0.0182	0.0269	**0.095**
Field Point SB-6GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.0000971	<0.0000971	0.000505	0.000291	0.000437	0.001233
Field Point SB-7GW	**Grab Groundwater Sample**																		
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971	0.000495	<0.0000971	0.0047	0.00281	0.00367	0.01118

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-1	**Well Screen Interval (feet):**	**22.71-42.71**										
07/24/06	**0.0295**	**4.82**	0.0018	0.0126	<0.00500	0.000303	<0.0100	<0.00500	10.9	1.82	743	900
02/08/07	**0.0304**	**5.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.8	1.24	621	<100
09/21/08	**0.0256**	**7.52**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	1.63	1.28	913	
05/19/09	**0.0265**	**8.72**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.41	<1.00	952	962
08/19/09	**0.0303**	**7**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.25	<1.00	979	940
10/30/09	**0.0246**	**8.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.83	3.54	917	780
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**										
07/25/06	**0.0469**	0.958	0.0021	0.0140	<0.00500	<0.000200	<0.0100	0.0057	30.6	2.11	668	900
02/08/07	**0.0348**	0.764	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32	3.9	634	440
09/22/08	**0.0352**	0.823	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.4	3.57	669	622
08/19/09	**0.0393**	0.901	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	31.2	2.74	649	742
10/30/09	**0.0208**	**8.57**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	0.005	15.1	1.08	752	480
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**										
07/24/06	**0.057**	**3.33**	0.0015	0.0098	<0.00500	<0.000200	<0.0100	<0.00500	21.2	8.35	773	880
02/08/07	**0.0505**	**3.44**	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	31.6	33.4	708	540
09/22/08	**0.0380**	**6.09**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	26.7	2.64	876	744
05/19/09	**0.0397**	**6.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.7	2.66	883	858
08/19/09	**0.0302**	**6.56**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.4	<1.00	880	802
10/30/09	**0.0316**	**5.91**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	<0.00500	21.4	<1.00	842	670
12/16/20	**0.0292 J**	**8.65**	**0.00501 J**	0.00758 J	0.0164 J	<0.000500	<0.100	0.00324 J,B	27.8		1400	**1010**
07/01/21	**0.0395 J**	**9.44**	0.00444 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	24.9		1280	**1250**
12/22/21	**0.0222**	**9.74**	0.0038 J	0.0064	<0.00500	<0.000248	<0.020	0.0070 J	17.7			**1400**
05/26/22	**0.0316 J**	**8.87**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	26.7		1420	**1410**
12/30/22	**0.0444 J**	**9.51**	<0.0200	**0.0356 J**	0.0206 J	<0.000200	<0.100	<0.0200	<2.00		1460	**1420**
06/21/23	**0.0269 J**	**8.37**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	22.7		1400	**1510**
06/21/23 D	**0.0215 J**	**8.94**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	21.5		1390	**1480**
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**										
07/25/06	**0.034**	**7.34**	0.0016	0.0122	<0.00500	<0.000200	<0.0100	<0.00500	20.7	<1.00	850	**1000**
02/07/07	**0.0617**	**8.00**	<0.00100	**0.0615**	0.0201	<0.000200	<0.0100	<0.00500	15.1	1.09	2290	<100
04/15/08	**0.0140**	**7.47**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.2	<1.00	1060	**1180**
09/21/08	**0.0156**	**7.74**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.7	1.31	792	774

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**										
05/19/09	**0.0162**	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.4	3.08	802	854
08/19/09	**0.0133**	**8.19**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.9	<1.00	807	860
10/30/09	**0.0224**	**8.64**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12.2	<1.00	782	660
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**										
07/20/06	**0.0661**	1.71	<0.00100	**0.177**	0.0151	0.000220	<0.0100	<0.00500	6.11	<1.00	1250	712
02/07/07	**0.0526**	1.96	<0.00100	**0.0599**	0.0105	<0.000200	<0.0100	<0.00500	6.58	1.56	1130	610
04/15/08	**0.0440**	**3.02**	0.0017	**0.0167**	<0.00500	<0.000200	<0.0100	<0.00500	6.34	<1.00	976	736
09/21/08	**0.0370**	**3.07**	0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.62	1.54	841	
05/19/09	**0.0336**	**3.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.81	<1.00	837	792
08/19/09	**0.031**	**3.68**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.02	<1.00	856	752
08/19/09 D	**0.0322**	**3.71**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.93	<1.00	847	760
10/30/09	**0.0284**	**3.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.61	<1.00	797	**1540**
10/12/11	**0.0353**	**4.8**	<0.00100	<0.00500	0.007	<0.000200	<0.0100	<0.00500	5.03	1.4		
07/17/12	**0.0234**	**4.9**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	1.18	720	753
07/17/12 D	**0.0252**	**5.08**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.42	1.21	721	760
10/03/12	**0.0238**	**4.48**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.46	<1.00	726	740
10/03/12 D	**0.0233**	**4.62**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.47	<1.00	732	749
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**										
07/21/06	<0.0100	0.168	<0.00100	<0.00500	<0.00500	0.000207	<0.0100	<0.00500	6.28	63.2	524	660
02/07/07	**0.0397**	**3.19**	<0.00100	**0.0822**	0.0307	0.00172	<0.0100	<0.00500	6.6	<2.00	2930	325
04/15/08	**0.0199**	0.610	0.0020	**0.0213**	0.00805	0.000467	0.0106	<0.00500	5.38	42.7	1650	548
09/21/08	<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.75	34.5	528	440
05/18/09	<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.90	37.2	567	234
08/19/09	<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.11	33.0	519	568
10/30/09	<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.03	31.1	475	470
10/13/11	<0.0100	0.112	<0.00100	<0.00500	0.0057	<0.000200	<0.0100	<0.00500	5	26.3		
07/17/12	<0.0100	0.127	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.23	24.6	452	571
10/03/12	<0.0100	0.121	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.91	26.4	446	566
05/15/13	<0.0047	0.14	<0.000200	<0.0012	0.0135	<0.00015	0.0081 J	<0.0013	4.67	<25	483	625
01/28/14	**0.01**	0.144	<0.000200	<0.0012	0.0059	<0.00015	<0.0064	<0.0013	5.04	26.2	512	597 B
06/18/14	<0.0072	0.138	0.0006 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	5.32 B	26.5	483	615
11/19/14	<0.0100	0.15	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.5	25	470	660

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**										
12/08/15	**0.0149**	0.226	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.56	18.4	502	581
04/26/16	**0.0309**	0.351	<0.00100	**0.364**	0.0127	<0.000200	<0.0100	<0.00500	4.87	16.2	520	565
05/24/17	**0.0273**	0.375	<0.0100	0.00788 J	<0.0100	0.000342	<0.0150	<0.00500	4.6	13	482	545
11/29/17	<0.0100	0.212	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	13	19	460	570
07/20/18	**0.0284**	0.288	<0.0100	0.00674 J	0.00430 J	0.000190 B,J	0.0344	<0.00500	4.6	180	430	525
03/07/19	<0.100	0.244	<0.0100	<0.0500	0.0138 J	0.00139	<0.100	<0.0100	4.7	20	430	505
07/01/21	**0.169**	0.761	<0.0100	**0.0248 J**	0.0299 J	**0.00437**	<0.100	<0.0100	3.73		453	600
12/22/21	**0.0157 J**	0.291	0.00100 J	0.0041 J	<0.00500	<0.000248	<0.020	<0.010	<2.00			640
05/26/22	**0.0269 J**	0.424	<0.0100	<0.0500	0.0108 J	0.000918	<0.100	<0.0100	8.56 J		502	566
12/29/22	**0.230**	1.46	<0.0200	**0.0424 J**	0.0284 J	**0.00203**	<0.100	<0.0200	<2.00		538	579
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**										
07/25/06	<0.0100	0.679	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.5	<1.00	641	800
02/07/07	**0.0583**	**2.46**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.4	4.48	654	200
04/15/08	**0.0513**	**3.00**	0.0015	0.0051	<0.00500	<0.000200	<0.0100	<0.00500	13.6	1.46	710	744
09/20/08	**0.0407**	1.92	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	3.16	680	710 B
05/18/09	**0.0395**	1.88	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.7	3.10	672	748
08/19/09	**0.0137**	1.86	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.2	3.06	673	720
10/30/09	**0.0112**	**2.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	16.5	3.26	645	500
10/13/11	**0.014**	**2.34**	<0.00100	<0.00500	0.0054	<0.000200	<0.0100	<0.00500	14.5	3.74		
Field Point MW-8	**Well Screen Interval (feet):**	**23.05-38.05**										
07/25/06	**0.0153**	0.328	0.0012	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.1	8.01	593	810
02/07/07	**0.0342**	0.929	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.5	22.2	707	510
04/15/08	**0.035**	1.22	0.0015	0.0078	<0.00500	<0.000200	<0.0100	<0.00500	11.6	7.4	716	688
09/20/08	**0.0211**	0.773	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.5	9.30	633	610
05/18/09	**0.0174**	0.776	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.1	8.68	535	258
08/19/09	<0.0100	1.14	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.3	6.57	623	676
10/30/09	<0.0100	1.04	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.0	7.46	599	560
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**										
07/21/06	**0.0298**	0.918	<0.00100	**0.0354**	0.0078	<0.000200	<0.0100	<0.00500	103	157	1010	900
02/06/07	**0.0291**	0.284	<0.00100	0.0075	<0.00500	<0.000200	<0.0100	<0.00500	92	89.0	717	**1110**
04/15/08	**0.0694**	1.61	0.0023	**0.0473**	0.0126	<0.000200	<0.0100	<0.00500	85.5	47.5	2410	684

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**										
09/21/08	**0.0274**	0.100	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	73.3	40.7	572	520
05/18/09	**0.0234**	0.0961	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	61.0	38.3	584	644
08/19/09	**0.0185**	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	75.8	37.9	578	744
10/30/09	**0.0203**	0.0993	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	79.3	39.3	534	610
10/13/11	**0.0147**	0.122	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	101	27.5		
07/17/12	**0.0175**	0.0972	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	21.8	516	771
10/03/12	**0.0277**	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**										
07/21/06	<0.0100	0.324	<0.00100	0.0136	<0.00500	0.000822	<0.0100	<0.00500	**500**	85.2	748	**1520**
02/06/07	<0.0100	0.112	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.72	105	602	**1630**
04/15/08	**0.0439**	0.981	0.0044	**0.0625**	0.0277	0.001950	0.0256	<0.00500	**439**	97.4	3250	**1530**
09/21/08	<0.0100	0.0858	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**414**	79.6	676	**1000**
05/18/09	<0.0100	0.0839	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**430**	74.1	675	**1490**
08/19/09	<0.0100	0.0763	<0.00100	<0.00500	<0.00500	0.000818	<0.0100	<0.00500	**421**	80.8	660	**1510**
10/30/09	<0.0100	0.0781	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**394**	89.7	614	**1370**
10/13/11	<0.0100	0.0656	<0.00100	<0.00500	0.0057	0.000998	<0.0100	<0.00500	**356**	91.7		
07/17/12	**0.0108**	0.0696	<0.00100	<0.00500	<0.00500	0.000338	<0.0100	<0.00500	**283**	94.0	577	**1400**
10/03/12	<0.0100	0.0672	<0.00100	<0.00500	<0.00500	0.00106	<0.0100	<0.00500	**259**	99.2	595	**1450**
05/15/13	0.0055 J	0.0677	<0.000200	<0.0012	0.0113	<0.00015	<0.0064	<0.0013	218	95.9	585	**1400**
05/15/13 D	0.0091 J	0.0703	<0.000200	<0.0012	0.0104	<0.00015	0.0115	<0.0013	188	95.6	607	**1350**
01/29/14	0.0066 J	0.0632	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	161	88.7	666	**1220 B**
11/19/14	<0.0100	0.059	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	92	590	**1300**
11/19/14 D	<0.0100	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	88	600	**1300**
05/24/17	0.00638 J	0.188	<0.0100	0.00742 J	<0.0100	**0.00481**	<0.0150	0.00162 J	130	69	636	**1080**
11/29/17	**0.0294**	0.321	<0.0100	**0.0154**	<0.0100	**0.00319**	0.0184	<0.00500	130	67	691	**1080**
07/20/18	<0.0100	0.0986	<0.0100	0.00305 J	0.00666 J	0.000779 B	0.0235	<0.00500	140	100	600	**1110**
03/07/19	<0.100	0.114	<0.0100	<0.0500	0.0128 J	0.000765	<0.100	<0.0100	130	56	580	955
12/22/21	**0.0575**	0.615	0.0011 J	0.0082	0.0102	0.000325 H	0.0137 J	<0.010				
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**										
04/30/08	<0.0100	0.159	<0.00100	<0.00500	<0.00500	0.000224	<0.0100	<0.00500	213	128	528	**1120**
09/21/08	<0.0100	0.0480	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**524**	130	553	**1440**
05/18/09	<0.0100	0.0562	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**503**	125	572	**1490**

TABLE 6

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Gladiola Station

Lea County, New Mexico

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NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**										
08/19/09	<0.0100	0.0483	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**517**	121	577	**1550**
10/30/09	<0.0100	0.0534	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**502**	127	539	**1350**
10/13/11	<0.0100	0.051	<0.00100	<0.00500	0.005	<0.000200	<0.0100	<0.00500	**428**	117		
07/17/12	**0.0142**	0.0531	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**422**	124	452	**1570**
10/03/12	**0.0171**	0.0551	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**405**	121	490	**1500**
05/15/13	0.0084 J	0.054	<0.000200	<0.0012	0.0138	<0.00015	0.0239	<0.0013	**392**	123	497	**1500**
01/28/14	0.0074 J	0.0465	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	**393**	122	513	**1370**
06/18/14	<0.0072	0.0445	0.0007 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	**351 B**	114	485	**1340**
11/19/14	<0.0100	0.044	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**320**	120	480	**1400**
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
10/03/19	<0.100	0.0453	<0.0100	0.0124 J	0.0238 J	0.0000707	0.0346 J	<0.0100	157	90	471	950
06/25/20	<0.100	0.0373	<0.0100	<0.0500	0.0172 J	<0.000500	<0.100	<0.0100	110	100	455	835
12/16/20	<0.100	0.0394	0.00353 J	<0.0500	0.0169 J	<0.000500	<0.100	<0.0100	158		412	800
07/01/21	<0.100	0.0580	0.00260 J	<0.0500	0.0102 J	0.000136 J	<0.100	<0.0100	147		420	985
12/21/21	**0.0164 J**	0.0441	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	141			**1020 H**
05/25/22	<0.100	0.0407	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	148		429	908
12/30/22	<0.100	0.0372 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	155		393	952
06/21/23	<0.100	0.0518	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	150		304	938
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**										
04/30/08	**0.0278**	**2.23**	<0.00100	0.0132	0.0082	<0.000200	<0.0100	<0.00500	10.7	8.19	995	657
09/21/08	**0.0238**	**5.10**	0.00130	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25.1	1.62	755	708
05/19/09	**0.0233**	**5.82**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	30.3	<1.00	777	**2390**
08/19/09	**0.0177**	**6.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.2	<1.00	778	750
10/30/09	**0.0196**	**6.63**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.7	<1.00	727	**1260**
10/13/11	**0.01**	**7.88**	<0.00100	<0.00500	0.0063	<0.000200	<0.0100	<0.00500	17.5	1.32		
07/17/12	**0.0133**	**8.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.4	1.18	707	757

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**									
10/03/12	<0.0100	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	<1.00	694	724
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	**0.0221**	1.41	<0.00100	0.0134	0.0104	<0.000200	<0.0100	<0.00500	61.9	209	870	**1920 A-01**
09/21/08	**0.0377**	**3.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.62	1.20	751	748
05/19/09	**0.0321**	**4.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	<1.00	800	252
08/19/09	**0.0249**	**4.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.76	<1.00	781	800
10/30/09	**0.0275**	**4.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	1.4	745	580
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**									
04/30/08	**0.0172**	0.193	<0.00100	0.0063	<0.00500	<0.000200	<0.0100	<0.00500	5.21	195	780	919
09/21/08	**0.0572**	0.181	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.71	19.7	647	
05/19/09	**0.0159**	0.165	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.85	11.2	663	698
08/19/09	**0.0271**	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.14	15.7	656	702
10/30/09	**0.0261**	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.01	16.7	604	510
10/13/11	**0.0325**	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	**0.0592**	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	**0.0308**	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	**0.0259**	**2.16**	<0.00100	**0.0152**	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	**0.0282**	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	**0.0267**	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	**0.0254**	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	**0.0256**	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**									
04/30/08	**0.0107**	1.02	<0.00100	0.0097	0.0058	<0.000200	<0.0100	<0.00500	16.6	52.5	750	726 A-01
09/21/08	**0.0153**	1.40	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.87	3.28	762	716
05/18/09	**0.0167**	1.59	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.84	1.69	783	776
08/19/09	**0.0136**	1.73	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.37	1.67	791	750
10/30/09	**0.0136**	1.79	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.38	1.83	732	410
10/30/09 D	**0.0152**	**2.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.8	1.51	730	260
10/13/11	**0.0142**	**2.21**	**0.0051**	<0.00500	0.0074	<0.000200	<0.0100	<0.00500	6.19	2.08		
07/17/12	**0.0147**	1.86	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.83	2.32	726	788

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**									
10/03/12	**0.0193**	1.93	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7	1.81	721	769
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	**0.0475**	1.98	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.7	1.09	748	725
10/30/09	**0.0541**	1.69	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11	<1.00	719	210
10/13/11	**0.036**	**3.61**	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	7.35	1.34		
07/17/12	**0.0238**	0.0206	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.93	1.43	714	747
10/03/12	**0.0418**	**4.51**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.12	<1.00	698	718
11/29/17	**0.0192**	**10.2**	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	14	0.55 J	896	815
07/18/18	<0.0100	**9.58**	<0.0100	0.00471 J	<0.0100	0.0000984 B,J	<0.0150	<0.00500	5.6	<1.0	850	**1000**
03/06/19	<0.100	**10.3**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
10/03/19	<0.100	**9.99**	<0.0100	<0.0500	0.0286 J	0.0000580	0.0297 J	<0.0100	4.63	<10	847	840
06/25/20	<0.100	**9.45**	<0.0100	<0.0500	0.0148 J	<0.000500	<0.100	<0.0100	2.62	<10	859	855
12/16/20	**0.0226 J**	**11.0**	0.00415 J	0.00691 J	0.0140 J	<0.000500	<0.100	<0.0100	6.64		1060	860
06/30/21	**0.0259 J**	**13.1**	0.00417 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	6.85		1040	920
12/21/21	<0.00200	**13.1**	0.0027 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	4.43			**1070 H**
05/25/22	**0.0240 J**	**11.4**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.15		1080	**1010**
12/29/22	**0.0262 J**	**12.0**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	4.43		1020	**1080**
06/20/23	<0.100	**11.0**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	5.03		995	**1050**
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	**0.0178**	0.144	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	113	232	961	**1510**
10/30/09	**0.0377**	0.249	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.1	42.8	989	890
10/13/11	**0.0102**	0.138	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	46.6	15.7		
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	**0.0203**	0.0352	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.6	145	224	554
10/30/09	**0.0169**	0.0374	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.1	148	209	380
10/13/11	**0.0197**	0.0321	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	30	140		
07/17/12	**0.0237**	0.0357	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.2	150	196	595
10/03/12	**0.0308**	0.0271	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.8	151	195	579
05/15/13	**0.0185**	0.0307	<0.000200	<0.0012	0.0099	<0.00015	<0.0064	<0.0013	36	156	189	585
01/29/14	**0.028**	0.0281	<0.000200	<0.0012	0.0039 J	<0.00015	<0.0064	<0.0013	40.9	163	203	570 B
06/18/14	**0.0161**	0.0247	0.0006 J	<0.00300	<0.002	<0.00015	0.0083 J	<0.0025	43.6 B	176	192	621

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**										
11/18/14	**0.02**	0.023	<0.00100	<0.00500	0.0098	<0.000200	<0.0100	<0.00500	43	170	190	610
12/09/15	**0.0275**	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
04/27/16	**0.0253**	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/25/16	**0.0240**	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
05/24/17	**0.0327**	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
11/29/17	**0.0382**	0.0579	<0.0100	**0.116**	<0.0100	<0.000200	0.00751 J	<0.00500	23	130	361	605
07/18/18	**0.0388**	0.0497	<0.0100	<0.0100	<0.0100	0.000112 B,J	<0.0150	<0.00500	36	120	300	610
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
10/02/19	<0.100	0.0477	<0.0100	0.00788 J	<0.0500	0.0000658	<0.100	<0.0100	36.2	100	325	515
06/24/20	**0.0299 J**	0.0520	<0.0100	<0.0500	0.0152 J	<0.000500	<0.100	<0.0100	43.9	110	306	595
12/15/20	<0.100	0.0860 F1	0.00321 J	**0.0451 J**	0.0198 J	<0.000500	<0.100	<0.0100	40.9		415	635
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**										
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		
07/17/12	**0.0115**	0.0481	<0.00100	<0.00500	<0.00500	<0.000200	0.0295	<0.00500	**423**	528	241	**1870**
10/03/12	**0.0183**	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	**0.0167**	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	**0.0152**	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**										
08/19/09	**0.0248**	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**
10/30/09	**0.0245**	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	**0.0311**	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
07/17/12	**0.0349**	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	**0.0435**	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	**0.0251**	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	**0.0355**	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	**0.0307**	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	**0.0310**	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860
12/08/15	**0.0344**	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**										
04/27/16	**0.0355**	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/25/16	**0.0341**	0.0157	<0.00100	**0.0154**	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**										
10/30/09	**0.013**	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	**0.018**	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
07/17/12	**0.0353**	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
10/03/12	**0.0232**	0.0197	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.5	280	223	792
05/15/13	**0.0209**	0.0204	<0.000200	<0.0012	0.0085	<0.00015	0.0161	<0.0013	41.7	293	212	782
01/29/14	**0.0288**	0.0191	<0.000200	<0.0012	0.0044 J	<0.00015	0.0066 J	<0.0013	42.8	242	236	750 B
01/29/14 D	**0.0299**	0.0188	<0.000200	<0.0012	<0.00035	<0.00015	0.0067 J	<0.0013	42.8	257	233	750 B
06/18/14	**0.0179**	0.0192	0.0007 J	<0.00300	<0.002	<0.000150	0.0096 J	<0.0025	42.7 B	248	221	776
11/19/14	**0.019**	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800
12/08/15	**0.0176**	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	**0.0201**	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/25/16	**0.0190**	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
05/24/17	**0.0141**	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	**0.0194**	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	**0.0236**	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
06/25/20	<0.100	0.0204	<0.0100	<0.0500	0.0162 J	<0.000500	<0.100	<0.0100	28.8	160	266	580
12/16/20	<0.100	0.0268	0.00296 J	<0.0500	0.0186 J	<0.000500	<0.100	<0.0100	32.7		261	620
07/01/21	<0.100	0.0425	0.00206 J	<0.0500	0.0147 J	0.000189 J	<0.100	<0.0100	31.3		276	630
12/21/21	0.0091 J	**12.8**	0.0024 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	29.6			740 H
05/25/22	<0.100	0.0212	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	32.6		285	687
12/30/22	<0.100	0.0226 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	31.6		269	687
06/21/23	<0.100	0.0237	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	26.7		238	672
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**										
02/22/12	**0.0258**	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	**0.0307**	0.0392	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.06	91.9	425	652
10/03/12	**0.0335**	0.0334	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.34	79.4	412	654
05/15/13	**0.0259**	0.037	<0.000200	<0.0012	0.0065	<0.00015	0.0129	<0.0013	2.85	73.6 J	377	635

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-23	**Well Screen Interval (feet):**		**31.00-46.00**									
01/29/14	**0.0343**	0.0385	<0.000200	<0.0012	0.0052	<0.00015	<0.0064	<0.0013	3.76	109	393	597 B
06/18/14	**0.0308**	0.0889	0.0007 J	0.0035 J	0.0027 J	<0.00015	0.0063 J	<0.0025	4.27 B	111	370	628
11/18/14	**0.033**	0.053	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.9	100	370	630
12/08/15	**0.0452**	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
04/27/16	**0.0577**	0.768	<0.00100	**0.0832**	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
Field Point MW-25	**Well Screen Interval (feet):**		**28.00-43.00**									
02/22/12	**0.062**	**7.1**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
02/22/12	**0.0135**	0.0408	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	**0.0123**	0.0391	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	19.5	136	304	723
10/03/12	**0.0198**	0.0296	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24	165	307	736
05/15/13	**0.019**	0.0366	<0.000200	<0.0012	<0.0017	<0.00015	0.0085 J	<0.0013	25.6	196	303	769
01/29/14	**0.0159**	0.0335	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	26.6	192	332	751 B
06/18/14	**0.0133**	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	**0.015**	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	**0.0161**	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	**0.0165**	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771
10/25/16	**0.0300**	1.37	0.00120	**0.0404**	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	**0.0127**	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	**0.0249**	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	**0.0226**	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	**0.0519**	<0.00500	**280**	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	**278**	110	176	815
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	**286**	120	168	955
12/15/20	<0.100	0.0471	0.00332 J	<0.0500	0.0287 J	<0.000500	<0.100	0.00309 J,B	**306**		172	945
06/30/21	<0.100	0.0662	0.00219 J	<0.0500	0.0176 J	<0.000248	<0.100	<0.0100	145		178	**1050**
12/21/21	**0.0166 J**	0.0603	<0.00500	<0.00500	<0.00500	<0.000248	0.0121 J	<0.010	**290**			**1290 H**
05/25/22	<0.100	0.0552	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	**288**		190	966
12/29/22	<0.100	0.0518 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**289**		169	**1140**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
06/20/23	<0.100	0.0571	<0.0100	<0.0500	<0.0500	<0.000200	0.0167 J	<0.0100	**288**		168	**1070**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	**0.0156**	0.0874	<0.0100	<0.0100	<0.0100	0.000104 B,J	0.0300	0.00196 J	220	430	140	**1060**
03/05/19	<0.100	0.0669	<0.0100	<0.0500	0.017 J	<0.000200	<0.100	<0.0100	220	440	140	**1100**
10/02/19	<0.100	0.0607	<0.0100	0.0120 J	0.0156 J	0.000112	<0.100	<0.0100	207	380	154	955
06/24/20	<0.100	0.0561	<0.0100	<0.0500	0.0285 J	<0.000500	0.0278 J	<0.0100	202	400	151	**1180**
12/15/20	<0.100	0.0479	0.00280 J	<0.0500	0.0334 J	<0.000500	<0.100	<0.0100	209		150	**1150**
06/30/21	<0.100	0.0555	0.00256 J	<0.0500	0.0152 J	<0.000248	<0.100	<0.0100	200		154	**1170**
12/21/21	0.0089 J	0.0475	<0.00500	<0.00500	<0.00500	<0.000248	0.020	<0.010	195			**1280 H**
05/25/22	<0.100	0.0437	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	194		167	**1150**
12/29/22	<0.100	0.0496 B	<0.0100	0.00370 J	<0.0500	<0.000200	<0.0500	<0.0100	189		154	**1250**
06/20/23	<0.100	0.0424	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	186		145	**1160**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	**0.0213**	0.0809	<0.0100	<0.0100	<0.0100	0.000116 B,J	0.0282	0.00145 J	190	100	170	805
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
10/02/19	<0.100	0.0434	<0.0100	<0.0500	0.0146 J	0.000105	<0.100	<0.0100	177	88	182	630
06/24/20	<0.100	0.0496	<0.0100	<0.0500	0.0196 J	<0.000500	<0.100	<0.0100	189	100	175	730
12/15/20	<0.100	0.0382	0.00256 J	<0.0500	0.0213 J	<0.000500	<0.100	<0.0100	180		178	660
06/30/21	<0.100	0.0455	0.00203 J	<0.0500	0.0119 J	<0.000248	<0.100	<0.0100	148		182	720
12/21/21	**0.0125 J**	0.0446	<0.00500	<0.00500	<0.00500	<0.000248	0.0123 J	<0.010	147			780 H
05/24/22	<0.100	0.0336	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	111		191	680
12/29/22	<0.100	0.0431 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	164		178	734
06/20/23	<0.100	0.0524	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	127		183	695
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.00958 J	0.0590	<0.0100	<0.0100	<0.0100	0.000102 B,J	<0.0150	<0.00500	170	100	170	725
03/05/19	<0.100	0.0490	<0.0100	<0.0500	0.0105 J	<0.000200	<0.100	<0.0100	190	110	160	690
10/02/19	<0.100	0.0441	<0.0100	0.00705 J	0.0138 J	0.000161	<0.100	<0.0100	197	84	172	715
06/24/20	<0.100	0.0474	<0.0100	<0.0500	0.0228 J	<0.000500	<0.100	<0.0100	197	91	165	800
12/15/20	<0.100	0.0538	0.00263 J	<0.0500	0.0232 J	<0.000500	<0.100	<0.0100	194		165	625
06/30/21	<0.100	0.0576	0.00238 J	<0.0500	0.0141 J	<0.000248	<0.100	<0.0100	151		169	720
12/21/21	**0.0156 J**	0.0535	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	129			725 H

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**										
05/24/22	<0.100	0.0461	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	142		<8.00	566
12/29/22	<0.100	0.0564 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	182		166	725
06/20/23	<0.100	0.244	<0.0100	0.00430 J	<0.0500	<0.000200	<0.0500	<0.0100	157		167	693
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**										
07/19/18	<0.0100	0.0633	<0.0100	<0.0100	<0.0100	0.000103 B,J	0.0202	0.00222 J	120	150	250	735
03/07/19	<0.100	0.207	<0.0100	<0.0500	0.01 J	0.000256	<0.100	<0.0100	65	96	400	745
10/03/19	<0.100	0.211	<0.0100	<0.0500	0.0204 J	0.0000458 J	0.0321 J	<0.0100	**751**	88	377	635
06/25/20	<0.100	0.135	<0.0100	<0.0500	0.0206 J	<0.000500	<0.100	<0.0100	81.1	110	325	740
12/16/20	<0.100	0.474	0.00317 J	<0.0500	0.0187 J	<0.000500	<0.100	<0.0100	45.7		476	**1010**
07/01/21	<0.100	0.605	0.00229 J	<0.0500	0.0102 J	<0.000248	<0.100	<0.0100	42.9		477	655
12/22/21	**0.0179 J**	0.382	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	91.2			770
05/25/22	<0.100	0.590	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	52.7		470	670
12/30/22	<0.100	1.12 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	44.9		480	677
06/21/23	<0.100	0.373	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	66.7		273	720
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**										
07/19/18	<0.0100	0.0799	<0.0100	<0.0100	<0.0100	0.000153 B,J	0.0187	<0.00500	47	53	450	705
03/06/19	<0.100	0.235	<0.0100	<0.0500	0.0116 J	<0.000200	<0.100	<0.0100	55	46	460	645
10/03/19	<0.100	0.302	<0.0100	0.00840 J	0.0246 J	0.000117	<0.100	<0.0100	49.9	36	488	605
06/24/20	<0.100	0.163	<0.0100	<0.0500	0.0198 J	<0.000500	<0.100	<0.0100	33.8	37	466	620
12/16/20	<0.100	0.327	0.00304 J	<0.0500	0.0233 J	<0.000500	<0.100	<0.0100	35.5		540	545
06/30/21	<0.100	0.353	0.00258 J	<0.0500	0.0122 J	<0.000248	<0.100	<0.0100	33.1		509	575
12/21/21	**0.0407**	0.345	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	36.5			740 H
05/25/22	**0.0263 J**	0.174	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	25.5		546	625
12/29/22	**0.0212 J**	0.237 B	<0.0100	0.00780 J	<0.0500	<0.000200	<0.0500	<0.0100	27.9		511	641
06/20/23	**0.0315 J**	0.175	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	24.5		498	616
Field Point MW-33	**Well Screen Interval (feet):**	**33.00-53.00**										
06/22/23	<0.100	0.0777	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**290**		142	**1230**
Field Point MW-34	**Well Screen Interval (feet):**	**33.00-53.00**										
06/22/23	<0.100	0.0581	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	128		177	797

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.01**	**2**	**0.005**	**0.015**	**0.05**	**0.002**	**0.05**	**0.05**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**250.0**	**600.0**	**---**	**1000.0**
Field Point MW-35	**Well Screen Interval (feet):**		**33.00-53.00**									
06/22/23	<0.100	0.299	<0.0100	**0.0244 J**	0.00700 J	<0.000200	0.0172 J	<0.0100	**259**		147	**1090**
Field Point MW-36	**Well Screen Interval (feet):**		**33.00-53.00**									
06/20/23	<0.100	0.0683	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**312**		147	**1050**
Field Point MW-37	**Well Screen Interval (feet):**		**33.00-53.00**									
06/23/23	<0.100	0.0627	<0.0100	0.00570 J	<0.0500	<0.000200	<0.0500	<0.0100	214		149	796
Field Point MW-38	**Well Screen Interval (feet):**		**33.00-53.00**									
06/22/23	<0.100	0.155	<0.0100	**0.0154 J**	<0.0500	<0.000200	<0.0500	<0.0100	**409**		138	**1290**
Field Point SB-1GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0808	<0.00100	<0.00500	0.0053	<0.000200	<0.0100	<0.00500	9.4	77.8		
Field Point SB-2GW	**Grab Groundwater Sample**											
10/28/11	**0.0139**	0.134	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	156	307		
Field Point SB-3GW	**Grab Groundwater Sample**											
10/28/11	**0.0338**	**7.8**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.84	2.3		
Field Point SB-4GW	**Grab Groundwater Sample**											
10/28/11	**0.0296**	**3.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.9	2.8		
Field Point SB-5GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0971	<0.00100	<0.00500	<0.00500	<0.000200	0.0105	<0.00500	180	421		
Field Point SB-6GW	**Grab Groundwater Sample**											
10/28/11	**0.0116**	0.0343	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.04	290		
Field Point SB-7GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.58	38.6		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

TABLE 7
CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	Tetrachloroethene (mg/l)	
NMED WQCC HHS	---	---	---	0.005	---	---	---	---	---	---	---	---	---	0.005	
Field Point MW-3															
12/16/20					0.040	0.053	0.0034 J	0.042		0.0057					
07/01/21					0.042	0.057	0.0041 J	0.039		0.0067		0.011			
12/22/21					0.047	0.060	0.0049 J	0.048		0.0078		0.018			
05/26/22					0.042	0.054	0.0040 J	0.045		0.0054					
12/30/22					0.039	0.052	0.0049 J	0.037		0.0069					
06/21/23					0.038	0.057	0.0039 J	0.037		0.0055					
06/21/23 D					0.038	0.060	0.0029 J	0.035		0.0045 J					
Field Point MW-6															
05/24/17	0.0041 J						0.00028 J		0.00031 J	0.00084	0.00027 J	0.00094	0.0021		
11/29/17	0.0045 J						0.00022 J		0.00077	0.00047 J		0.0011	0.0017		
07/20/18	0.0041 J														
03/07/19										0.00038 J	0.000087 J	0.000080 J	0.00033 J		
07/01/21															
12/22/21															
05/26/22	0.0046 J														
12/29/22							0.0093		0.0072	0.0065		0.041	0.045		
Field Point MW-10															
05/24/17															
11/29/17	0.0056 J									0.00036 J					
07/20/18	0.0081 J									0.00060					
03/07/19	0.0041 J				0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J		
07/01/21												0.0049	0.0040		
12/22/21															
Field Point MW-11															
05/24/17															
11/29/17	0.0067 J					0.0013 J	0.00061		0.00024 J	0.00025 J		0.0014	0.00056		
07/18/18															
03/07/19															
10/03/19												0.00010 J			
06/25/20					0.00014 J						0.00021 J				
12/16/20															

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	Tetrachloroethene (mg/l)	
NMED WQCC HHS	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	**0.005**	
Field Point MW-11															
07/01/21															
12/21/21															
05/25/22															
12/30/22															
06/21/23															
Field Point MW-17															
11/29/17					0.056	0.087 J	0.0058 J	0.051		0.0070 J		0.17	0.023		
07/18/18					0.047	0.057 J	0.0046 J	0.044		0.0057 J		0.094	0.012		
03/06/19					0.042	0.061 J	0.0033 J	0.035		0.0052 J		0.028	0.0033 J		
10/03/19					0.052	0.091	0.0053 J	0.050	0.0015 J	0.0066 J		0.14	0.013		
06/25/20			0.031 J,B		0.066	0.098	0.0052 J	0.069	0.0015 J	0.0088 J		0.110	0.012		
12/16/20					0.042	0.064	0.0031	0.039		0.0042		0.070	0.020		
06/30/21					0.051	0.078		0.051				0.180	0.042		
12/21/21					0.061	0.092		0.062		0.0077 J		0.13	0.028		
05/25/22					0.060	0.073		0.061		0.0060 J		0.052	0.0058		
12/29/22					0.043	0.082				0.0053 J		0.031			
06/20/23					0.046	0.075		0.043		0.0055 J		0.011			
Field Point MW-19															
05/24/17		0.0045 J			0.0068	0.0017 J	0.0022	0.0037	0.0027	0.0024	0.00079	0.020	0.021		
11/29/17	0.0052 J	0.0023 J			0.0057	0.00055 J	0.0023	0.0036	0.0024	0.0023	0.00068	0.026	0.021		
07/18/18	0.0042 J				0.0019		0.00022 J	0.0011	0.0010	0.0013	0.00044 J	0.0030	0.00041 J		
03/05/19					0.0014	0.00012 J	0.00024 J	0.00072	0.00088	0.0013	0.00054	0.0021	0.000084 J		
10/02/19					0.00023 J			0.000079 J	0.00017 J	0.00034 J	0.00021 J	0.00032 J			
06/24/20					0.00050		0.00031 J	0.00028 J	0.00024 J	0.0011	0.00055	0.0016	0.00047 J		
12/15/20					0.0051	0.00086 J	0.00098	0.0033	0.0023	0.0034	0.00097	0.013			
Field Point MW-22															
05/24/17															
11/29/17	0.0068 J														
07/18/18															
03/06/19															
10/03/19															

TABLE 7
CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	Tetrachloroethene (mg/l)	
NMED WQCC HHS	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	**0.005**	
Field Point MW-22															
06/25/20															
12/16/20															
07/01/21															
12/21/21															
05/25/22															
12/30/22															
06/21/23															
Field Point MW-26															
05/24/17				0.0011		0.00077 J						0.0014			
11/29/17												0.00045 J			
07/18/18					0.017	0.026 J	0.0050	0.017	0.0036	0.0042		0.12	0.041		
Field Point MW-27															
07/19/18	0.0045 J														
03/06/19															
10/02/19															
06/24/20															
12/15/20															
06/30/21	0.0040 J														
12/21/21															
05/25/22															
12/29/22															
06/20/23															
Field Point MW-28															
07/19/18															
03/05/19															
10/02/19															
06/24/20															
12/15/20															
06/30/21															
12/21/21															
05/25/22															

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	Tetrachloroethene (mg/l)	
NMED WQCC HHS	**---**	**---**	**---**	**0.005**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**0.005**	
Field Point MW-28															
12/29/22															
06/20/23															
Field Point MW-29															
07/19/18															
03/05/19															
10/02/19															
06/24/20															
12/15/20															
06/30/21															
12/21/21															
05/24/22															
12/29/22															
06/20/23															
Field Point MW-30															
07/19/18															
03/05/19															
10/02/19															
06/24/20															
12/15/20															
06/30/21															
12/21/21															
05/24/22															
12/29/22															
06/20/23															
Field Point MW-31															
07/19/18					0.00029 J			0.00022 J				0.0019	0.00091		
03/07/19					0.0012	0.00020 J		0.00081	0.00067	0.0019	0.00045 J	0.0057	0.0038		
10/03/19					0.00025 J			0.00015 J	0.00020 J	0.00052	0.00016 J	0.0025	0.00061		
06/25/20					0.00014 J			0.000090 J	0.000080 J	0.00029 J		0.00074	0.00012 J		
12/16/20					0.00048 J	0.00032 J			0.00028 J	0.0015	0.00043 J	0.00063			
07/01/21					0.00041 J					0.0011					

TABLE 7
CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	Tetrachloroethene (mg/l)	
NMED WQCC HHS	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	**0.005**	
Field Point MW-31															
12/22/21										0.00082					
05/25/22										0.0010	0.00028 J	0.00037 J			
12/30/22										0.0014	0.00043 J				
06/21/23															
Field Point MW-32															
07/19/18	0.0050 J				0.0054			0.00039 J	0.0014	0.0016	0.00084	0.012	0.010		
03/06/19					0.0023	0.00071 J		0.00012 J	0.00064	0.0019	0.0011	0.0012	0.0041		
10/03/19					0.0016			0.000094 J	0.00035 J	0.0017	0.0010	0.00036 J	0.00028 J		
06/24/20					0.00059				0.00049 J	0.0019	0.0014	0.00021 J			
12/16/20						0.00062 J			0.00079	0.0011	0.00082	0.00033 J			
06/30/21	0.0040 J					0.00055 J			0.00049 J	0.0010	0.00079				
12/21/21									0.00051	0.0011	0.00085				
05/25/22									0.00070	0.0017	0.0011				
12/29/22	0.0059 J									0.0016	0.0012	0.00022 J			
06/20/23										0.0018	0.0013				
Field Point MW-33															
06/22/23															
Field Point MW-34															
06/22/23															
Field Point MW-35															
06/22/23															
Field Point MW-36															
06/20/23															
Field Point MW-37															
06/23/23															
Field Point MW-38															
06/22/23														0.00054	

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
Naphthalene is analyzed by EPA Method 8270C. Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

Unless noted otherwise, all sampled wells were analyzed by EPA Method 8260B full scan.
Note: Table only reflects concentrations above the laboratory reporting limit. Refer to the laboratory report for the reporting limit and dilution factor.
BTEX is tabulated on a separate table.

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
Prior to December 2015		101	---	101
Subtotal Removed		**101**	**---**	**101**
MW-1	12/07/15	2.0	---	2.0
MW-1	06/25/20	0.25	1.75	2.0
MW-1	12/17/20	(a)	(a)	0.25
MW-1	06/29/21	0.0625	0.4375	0.50
MW-1	12/20/21	0.25	0.50	0.75
MW-1	05/24/22	0.003	---	0.003
MW-1	12/28/22	0.11	0.39	0.5
MW-1	06/13/23	0.01	0.40	0.4
Subtotal Removed		**2.68**	**3.48**	**6.41**
MW-2	12/22/21	---	1.50	1.50
MW-2	05/24/22	0.04	---	0.04
MW-2	12/28/22	0.03	0.11	0.13
MW-2	06/13/23	0.01	0.26	0.3
Subtotal Removed		**0.07**	**1.87**	**1.94**
MW-4	12/07/15	1.5	---	1.50
MW-4	04/29/16	(a)	(a)	(b)
MW-4	12/17/20	(a)	(a)	0.50
MW-4	06/29/21	0.125	0.375	0.50
MW-4	12/20/21	0.25	0.25	0.50
MW-4	05/24/22	0.01	---	0.01
MW-4	12/28/22	0.03	0.22	0.25
Subtotal Removed		**1.91**	**0.85**	**3.26**
MW-5	12/07/15	2.5	---	2.5
MW-5	04/29/16	(a)	(a)	(b)
MW-5	11/29/17	1.0	---	1.0
MW-5	06/25/20	0.13	0.48	0.61
MW-5	12/17/20	(a)	(a)	0.50
MW-5	06/29/21	0.0625	0.4375	0.50
MW-5	12/20/21	0.125	0.75	0.875
MW-5	05/24/22	0.13	---	0.13
MW-5	12/28/22	0.05	0.95	1.00
MW-5	06/13/23	0.02	0.53	0.54
Subtotal Removed		**4.02**	**3.14**	**7.66**
MW-9	12/07/15	1.75	---	1.75
MW-9	06/25/20	0.08	0.40	0.48
MW-9	12/17/20	(a)	(a)	0.50
MW-9	06/29/21	0.0625	0.4375	0.50
MW-9	12/20/21	0.125	0.375	0.50
MW-9	05/25/22	0.0005	---	0.0005
MW-9	12/28/22	0.0026	0.13	0.13
MW-9	06/13/23	0.0040	0.13	0.14
Subtotal Removed		**2.02**	**1.47**	**3.99**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-12	12/07/15	2.5	---	2.5
MW-12	04/29/16	(a)	(a)	(b)
MW-12	06/25/20	0.75	2.0	2.75
MW-12	12/17/20	(a)	(a)	1.0
MW-12	06/29/21	0.125	0.875	1.0
MW-12	12/20/21	0.25	1.25	1.5
MW-12	05/25/22	0.08	---	0.08
MW-12	12/28/22	0.11	0.89	1.00
MW-12	06/13/23	0.01	0.79	0.80
Subtotal Removed		**3.82**	**5.81**	**10.63**
MW-13	12/07/15	3.0	---	3.0
MW-13	04/29/16	2.0	---	2.0
MW-13	06/25/20	1.75	2.0	3.75
MW-13	12/17/20	(a)	(a)	1.0
MW-13	06/29/21	0.25	0.75	1.0
MW-13	12/20/21	0.25	1.75	2.0
MW-13	05/26/21	0.07	---	0.07
MW-13	12/28/22	0.25	1.3	1.50
MW-13	06/13/23	0.92	0.79	1.72
Subtotal Removed		**8.50**	**6.54**	**16.04**
MW-14	12/07/15	3.0	---	3.0
MW-14	04/28/16	2.0	---	2.0
MW-14	11/29/17	3.0	---	3.0
MW-14	06/25/20	0.99	1.32	2.31
MW-14	12/17/20	(a)	(a)	1.0
MW-14	06/29/21	0.125	0.875	1.0
MW-14	12/20/21	0.25	1.5	1.75
MW-14	05/24/22	0.07	---	0.07
MW-14	12/28/22	0.05	1.45	1.5
MW-14	06/14/23	0.05	0.11	0.16
Subtotal Removed		**9.54**	**5.25**	**15.79**
MW-15	12/07/15	3.0	---	3.0
MW-15	04/29/16	(a)	(a)	(b)
MW-15	06/25/20	0.18	1.32	1.51
MW-15	12/17/20	(a)	(a)	1.0
MW-15	06/29/21	0.0625	0.4375	0.50
MW-15	12/20/21	0.125	1.25	1.375
MW-15	05/24/22	0.05	---	0.05
MW-15	12/28/22	0.05	0.45	0.50
MW-15	06/13/23	0.01	0.79	0.81
Subtotal Removed		**3.49**	**4.25**	**8.74**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-16	12/07/15	2.5	---	2.5
MW-16	04/29/16	(a)	(a)	(b)
MW-16	06/25/20	0.26	1.32	1.59
MW-16	12/17/20	(a)	(a)	1.0
MW-16	06/29/21	0.125	0.875	1.0
MW-16	12/20/21	0.25	0.5	0.75
MW-16	05/26/21	0.003	---	0.003
MW-16	12/28/22	0.08	0.42	0.50
MW-16	06/13/23	0.04	0.53	0.57
Subtotal Removed		**3.26**	**3.65**	**7.91**
MW-18	12/07/15	1.75	---	1.75
MW-18	04/29/16	(a)	(a)	(b)
MW-18	06/25/20	0.25	1.75	2.0
MW-18	12/17/20	(a)	(a)	1.25
MW-18	06/29/21	0.5	1.5	2.0
MW-18	12/20/21	1.0	1.5	2.5
MW-18	05/26/21	1.5	---	1.5
MW-18	12/28/22	1.00	0.50	1.5
MW-18	06/14/23	1.06	0.53	1.6
Subtotal Removed		**7.06**	**5.78**	**14.09**
MW-19	06/29/21	0.0625	0.4375	0.5
MW-19	12/20/21	0.25	1.75	2.0
MW-19	05/26/21	2.0	---	2.0
MW-19	12/28/22	1.00	1.00	2.0
MW-19	06/14/23	0.79	0.53	1.3
Subtotal Removed		**4.11**	**3.72**	**7.82**
MW-20	12/07/15	2.0	---	2.0
MW-20	04/29/16	(a)	(a)	(b)
MW-20	06/25/20	1.45	0.92	2.38
MW-20	12/17/20	1.25	1.75	3.0
MW-20	06/29/21	1.0	1.5	2.5
MW-20	12/20/21	0.25	1.75	2.0
MW-20	05/26/21	0.05	---	0.05
MW-20	12/28/22	0.03	0.47	0.50
MW-20	06/13/23	0.01	0.53	0.54
Subtotal Removed		**6.04**	**6.92**	**12.96**
MW-21	06/25/20	0.79	1.32	2.11
MW-21	12/17/20	(a)	(a)	0.75
MW-21	06/29/21	0.0625	0.4375	0.50
MW-21	12/20/21	0.125	0.50	0.63
MW-21	05/26/21	0.03	---	0.03
MW-21	12/28/22	0.04	0.46	0.50
MW-21	06/13/23	0.01	1.06	1.07
Subtotal Removed		**1.06**	**3.78**	**5.59**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-23	06/25/20	0.004	0.07	0.07
MW-23	12/17/20	(a)	(a)	0.50
MW-23	06/29/21	0.0625	0.4375	0.50
MW-23	12/20/21	0.125	0.50	0.625
MW-23	05/26/21	0.003	---	0.003
MW-23	12/28/22	0.01	0.12	0.13
Subtotal Removed		**0.21**	**1.12**	**1.83**
MW-24	12/07/15	2.5	---	2.5
MW-24	04/28/16	2.25	---	2.25
MW-24	11/29/17	2.0	---	2.0
MW-24	06/25/20	1.85	1.85	3.7
MW-24	12/17/20	(a)	(a)	1.0
MW-24	06/29/21	0.125	0.875	1.0
MW-24	12/20/21	0.25	0.5	0.75
MW-24	05/26/21	0.13	---	0.13
MW-24	12/28/22	0.25	1.25	1.5
MW-24	06/13/23	0.26	0.66	0.92
Subtotal Removed		**9.62**	**5.13**	**15.75**
MW-25	12/07/15	2.0	---	2.0
MW-25	04/29/16	(a)	(a)	(b)
MW-25	11/29/17	2.0	---	2.0
MW-25	06/25/20	1.0	0.50	1.5
MW-25	12/17/20	(a)	(a)	0.50
MW-25	06/29/21	0.25	0.75	1.0
MW-25	12/20/21	0.25	0.75	1.0
MW-25	05/26/21	0.05	---	0.05
MW-25	12/28/22	0.02	0.16	0.18
MW-25	06/13/23	0.01	0.53	0.53
Subtotal Removed		**5.58**	**2.69**	**8.76**
MW-26	06/25/20	1.25	1.25	2.5
MW-26	12/17/20	0.75	1.25	2.0
MW-26	06/29/21	0.40	0.60	1.0
MW-26	12/20/21	1.0	0.50	1.5
MW-26	05/25/22	0.66	---	0.66
MW-26	12/28/22	0.50	2.00	2.50
MW-26	06/14/23	1.19	0.53	1.72
Subtotal Removed		**5.75**	**6.13**	**11.88**
NAPL Removal	04/29/16	(a)	(a)	6
NAPL Pumping Test	10/26/16	(a)	(a)	100
NAPL Recovery Test	5/24-25/17	10-15	---	10-15
Subtotal Removed		**10.00**	**---**	**116.00**
Total Removed		**189.73**	**71.57**	**378.05**

Explanation:
NAPL = non-aqueous phase liquid
(a) = Amount of NAPL and water individually removed unknown.
(b) = Approximately 6 gallons removed during the event. See NAPL Removal Event on 04/29/16.

APPENDIX A

Field Data Sheets

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION | **STANTEC JOB # 238000257** | **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO | **ANALYSIS: 8260B FULL SCAN** | **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML **DATE: 06/20-23/23** | **1.167 FOR A 6" WELL**

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL(gal)	VOL ML/MN	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW30	7:40:00 AM	40.04	54.8			4	9.63							
6/20/2023	8:08:00 AM	40.15						500	7.14	68.5	.950	68	6.26	86
	8:09:00 AM	40.18						1000	7.12	66.7	.974	58	6.35	85.2
	8:10:00 AM	40.2						1500	7.12	67.0	.978	58	6.4	82
	8:11:00 AM	40.22						2000	7.11	67.0	.998	61	6.68	80
	8:12:00 AM	40.23						2500	7.11	66.9	1.00	58	6.7	79
	8:13:00 AM	40.23						3000	7.11	66.9	1.01	52	6.7	78
	8:14:00 AM	40.24						3500	7.10	67.0	1.01	49	6.64	78
	8:15:00 AM	40.24						4000	7.10	67.0	1.02	45	6.61	77
SW	8:18:00 AM	52												

COMMENTS: PUMP PLACED @ 52 FT, PURGED AT 500 ML/MN

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL ML/MN	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW29	7:45:00 AM	40.34	54.85			4	9.47							
6/20/2023	8:45:00 AM	40.45						500	7.15	67.1	1.04	19	7.3	119
	8:46:00 AM	40.51						1000	7.13	67.4	1.05	20	7.23	123
	8:47:00 AM	40.51						1500	7.13	67.5	1.05	25	7.2	125
	8:48:00 AM	40.51						2000	7.13	67.5	1.06	25	7.12	126
	8:49:00 AM	40.51						2500	7.13	67.7	1.06	29	7.03	127
	8:50:00 AM	40.51						3000	7.13	67.8	1.07	30	6.99	129
	8:51:00 AM	40.52						3500	7.12	679	1.07	28	7.05	129
	8:52:00 AM	40.52						4000	7.12	67.9	1.07	25	7.02	130
SW	8:55:00 AM	52												

COMMENTS: PUMP PLACED @ 52 FT, PURGED AT 500 ML/MN

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL ML/MN	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW28	7:51:00 AM	40.51	53			4	8.15289							
6/20/2023	10:07:00 AM	40.78						500	7.12	68.3	1.69	4	7.04	56
	10:08:00 AM	40.78						1000	7.08	67.8	1.69	4	6.94	68.9
	10:09:00 AM	40.78						1500	7.07	67.6	1.69	4	6.89	78
	10:10:00 AM	40.78						2000	7.08	67.6	1.69	4	6.85	93
	10:11:00 AM	40.78						2500	7.09	67.5	1.69	4	6.85	95
	10:12:00 AM	40.78						3000	7.09	67.5	1.69	5	6.79	99
	10:13:00 AM	40.78						3500	7.09	67.5	1.69	5	6.75	100
	10:14:00 AM	40.78						4000	7.09	67.5	1.69	6	6.75	102
	10:15:00 AM	40.78						4500	7.10	67.6	1.69	6	6.75	102
SW	10:18:00 AM	51												

COMMENTS: PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL ML/MN	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW27	7:56:00 AM	40.53	54			4	8.79							
6/20/2023	10:35:00 AM	40.72						500	6.76	68.5	1.63	4	4.97	130
	10:36:00 AM	40.72						1000	6.76	68.0	1.63	5	4.92	132
	10:37:00 AM	40.72						1500	6.76	67.8	1.62	5	4.88	135
	10:38:00 AM	40.72						2000	6.76	68.0	1.62	5	4.86	135
	10:39:00 AM	40.72						2500	6.77	680	1.62	5	4.84	137
	10:40:00 AM	40.72						3000	6.77	68.1	1.62	5	4.84	137
	10:41:00 AM	40.72						3500	6.78	68.2	1.62	6	4.83	138
	10:42:00 AM	40.72						4000	6.78	68.1	1.62	7	4.83	138
SW	10:45:00 AM	52												

COMMENTS: PUMP PLACED @ 52 FT, PURGED AT 500 ML/MN

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION
SITE LOCATION: LEA COUNTY, NEW MEXICO
FIELD CREW: JV/ML DATE: 06/20-23/23

STANTEC JOB # 238000257
ANALYSIS: 8260B FULL SCAN

0.163 FOR A 2" WELL
0.652 FOR A 4" WELL
1.167 FOR A 6" WELL

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-32	8:05:00 AM	42.13	53.3			4	7.29							
6/20/2023	11:13:00 AM	42.42						500.00	6.71	68.7	1.06	3	0.18	-116
	11:14:00 AM	42.42						1000.00	6.71	68.7	1.06	3	0.12	-121
	11:15:00 AM	42.42						1500.00	6.72	68.9	1.06	3	0.01	-120
	11:16:00 AM	42.42						2000.00	6.72	68.8	1.06	3	0.01	-122
	11:17:00 AM	42.42						2500.00	6.72	68.8	1.07	3	0.01	-122
	11:18:00 AM	42.42						3000.00	6.72	68.9	1.06	3	0	-122
	11:19:00 AM	42.42						3500.00	6.72	69.0	1.06	3	0	-121
	11:20:00 AM	42.42						4000.00	6.72	69.0	1.06	3	0	-122
SW	11:23:00 AM	51												

COMMENTS: PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-17	8:35:00 AM	40.93	48.1			4	4.68							
6/20/2023	11:37:00 AM	41.05						500	6.87	70.1	1.74	5	0.06	-95
	11:38:00 AM	41.05						1000	6.87	70.3	1.75	5	0.03	-94
	11:39:00 AM	41.05						1500	6.87	69.4	1.755	5	0	-95
	11:40:00 AM	41.05						2000	6.88	69.2	1.75	5	-0.06	-98
	11:41:00 AM	41.05						2500	6.89	68.8	1.75	5	-0.08	-99
	11:42:00 AM	41.05						3000	6.89	69.0	1.76	5	-0.09	-99
	11:43:00 AM	41.05						3500	6.89	69.0	1.76	6	-0.1	-100
	11:44:00 AM	41.05						4000	6.89	69.0	1.76	6	-0.12	-100
	11:45:00 AM	41.05						4500	6.89	69.0	1.76	6	-0.14	-100
SW	11:48:00 AM	46												

COMMENTS: PUMP PLACED @ 46 FT, PURGED AT 500 ML/MN

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-22	8:10:00 AM	41.75	47.8			4	3.95							
G:06/20/23	9:02:00 AM	41.91						500	7.17	67.4	1.02	4	2.62	317
P:06/21/23	9:03:00 AM	41.91						1000	7.17	67.3	1.01	3	2.62	331
	9:04:00 AM	41.91						1500	7.17	67.3	1.01	4	2.53	366
	9:05:00 AM	41.91						2000	7.16	67.5	1.01	5	2.53	399
	9:06:00 AM	41.91						2500	7.16	67.2	1.01	5	2.61	418
	9:07:00 AM	41.91						3000	7.16	67.3	1.01	5	2.49	428
	9:08:00 AM	41.91						3500	7.16	67.3	1.01	4	2.4	429
	9:09:00 AM	41.91						4000	7.16	67.3	1.01	4	2.62	434
	9:10:00 AM	41.91						4500	7.16	67.3	1.01	4	2.65	435
SW	9:14:00 AM	45												

COMMENTS: PUMP PLACED @ 45 FT, PURGED AT 500 ML/MN

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-11	8:15:00 AM	41.45	48	0-0	0	4	4.27553							
G:06/20/23	9:55:00 AM	41.63						500	6.80	67.9	1.51	3	4.89	145
P:06/21/23	9:56:00 AM	41.63						1000	6.81	67.8	1.51	3	4.88	145
	9:57:00 AM	41.63						1500	6.81	67.8	1.51	3	4.9	145
	9:58:00 AM	41.63						2000	6.82	67.7	1.51	3	4.93	146
	9:59:00 AM	41.63						2500	6.82	67.6	1.51	3	4.93	147
	10:00:00 AM	41.63						3000	6.82	67.7	1.51	3	4.89	147
	10:01:00 AM	41.63						3500	6.82	67.8	1.51	3	4.89	147
	10:02:00 AM	41.63						4000	6.82	67.8	1.51	3	4.89	147
	10:03:00 AM	41.63						4500	6.82	67.8	1.51	3	4.89	148
SW	10:07:00 AM	46												

COMMENTS: PUMP PLACED @ 46 FT, PURGED AT 500 ML/MN

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION | **STANTEC JOB # 238000257** | **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO | **ANALYSIS: 8260B FULL SCAN** | **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML **DATE: 06/20-23/23** | **1.167 FOR A 6" WELL**

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-10	8:25:00 AM	42.27	43	0-0	0	2	0.11913							
SW														

COMMENTS: INSUFFICIENT WATER TO SAMPLE

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW31	8:20:00 AM	40.76	53.4	0-0	0	4	8.2508							
G:06/20/23	11:04:00 AM	40.98						500	6.81	67.5	1.16	6	0.49	74
P:06/21/23	11:05:00 AM	40.98						1000	6.82	67.6	1.16	7	0.37	77
	11:06:00 AM	40.98						1500	6.82	68.1	1.16	7	0.24	78
	11:07:00 AM	40.98						2000	6.83	67.9	1.16	7	0.19	78
	11:08:00 AM	40.98						2500	6.83	68.0	1.16	6	0.18	78
	11:09:00 AM	40.98						3000	6.83	68.0	1.16	7	0.15	78
	11:10:00 AM	40.98						3500	6.83	68.0	1.16	6	0.15	78
	11:11:00 AM	40.98						4000	6.83	68.0	1.16	6	0.14	78
	11:12:00 AM	40.98						4500	6.83	68.1	1.16	6	0.4	79
SW	11:16:00 AM	51												

COMMENTS: PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-6	12:51:00 PM	40.01		0-0	0	2	-6.5292							
SW														

COMMENTS: NAPL @ 39.91/GLOBULES OF OIL IN WATER/WELL WENT DRY AFTER 2 LITERS

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-7	12:55:00 PM		36.15	0-0	0	2	5.89926							
SW														

COMMENTS: DRY

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	SCREEN INTERVAL	TOTAL WELL DEPTH	CASE DIA	CASE VOL	PRG VOL ML/MN	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW3	2:30:00 PM	38.85	45	0-0	0	2	1.00361							
G:06/20/23	1:13:00 PM	39.1						500	7.10	74.6	2.36	334	-0.01	-129
P:06/21/23	1:15:00 PM	39.1						1500	7.06	72.8	2.34	175	-0.09	-131
	1:17:00 PM	39.1						2500	7.09	72.4	2.34	84	-0.13	-128
	1:19:00 PM	39.1						3500	7.07	72.4	2.35	71	-0.16	-127
	1:21:00 PM	39.1						4500	7.06	73.0	2.35	67	-0.17	-132
	1:23:00 PM	39.1						5500	7.05	72.9	2.35	62	-0.18	-135
	1:25:00 PM	39.1						6500	7.04	72.8	2.36	62	-0.18	-135
SW	1:31:00 PM	43												

COMMENTS: PUMP PLACED @ 43 FT, PURGED AT 500 ML/MN

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION | **STANTEC JOB # 238000257** | **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO | **ANALYSIS: 8260B FULL SCAN** | **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML **DATE: 06/20-23/23** | **1.167 FOR A 6" WELL**

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-2	11:55:00 AM	47.1		0-0	0	2	-7.6862							
G:06/13/23														
SW														
COMMENTS	NAPL @ 47.0													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-4	1:48:00 PM	38.1		0-0	0	2	-6.2175							
G:06/20/23														
SW														
COMMENTS	NAPL @ 37.99													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-16	12:35:00 PM	39.87		0-0	0	4	-26.025							
G:06/13/23														
SW														
COMMENTS	NAPL @ 39.67													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-19	8:30:00 AM	40.9		0-0	0	4	-26.698							
G:06/14/23														
SW														
COMMENTS	NAPL @ 39.89													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-14	9:00:00 AM	39.84		0-0	0	4	-26.006							
G:06/14/23														
SW														
COMMENTS	NAPL @ 39.72													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-15	2:40:00 PM	40.18		0-0	0	4	-26.228							
G:06/13/23														
SW														
COMMENTS	NAPL @ 40.08													

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION | **STANTEC JOB # 238000257** | **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO | **ANALYSIS: 8260B FULL SCAN** | **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML **DATE: 06/20-23/23** | **1.167 FOR A 6" WELL**

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-5	2:25:00 PM	40.12		0-0	0	2	-6.5471							
G:06/13/23														
SW														
COMMENTS	NAPL @ 39.81													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-24	3:00:00 PM	40.25		0-0	0	2	-6.5683							
G:06/13/23														
SW														
COMMENTS	NAPL @ 39.13													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-23	9:10:00 AM	40.28		0-0	0	2	-6.5732							
G:06/14/23														
SW														
COMMENTS	NAPL @ 40.27													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-21	9:50:00 AM	41.16		0-0	0	4	-26.867							
G:06/14/23														
SW														
COMMENTS	NAPL @ 41.10													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-20	10:30:00 AM	40.46		0-0	0	4	-26.41							
G:06/14/23														
SW														
COMMENTS	NAPL @ 40.43													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-1	12:55:00 PM	38.21		0-0	0	2	-6.2354							
G:06/13/23														
SW														
COMMENTS	NAPL @ 38.11													

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION — **STANTEC JOB # 238000257** — **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO — **ANALYSIS: 8260B FULL SCAN** — **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML — **DATE: 06/20-23/23** — **1.167 FOR A 6" WELL**

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-13	2:05:00 PM	40.39		0-0	0	4	-26.365							
G:06/13/23														
SW														
COMMENTS	NAPL @ 39.84													

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-18	10:05:00 AM	41.2		0-0	0	4	-26.893							
G:06/14/23														
SW														
COMMENTS	NAPL @ 39.91													

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-25	1:55:00 PM	40.65		0-0	0	2	-6.6336							
G:06/13/23														
SW														
COMMENTS	NAPL @ 40.42													

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW26	10:50:00 AM	42.18		0-0	0	2	-6.8833							
G:06/14/23														
SW														
COMMENTS	NAPL @ 40.45													

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-12	1:40:00 PM	41.04		0-0	0	4	-26.789							
G:06/13/23														
SW														
COMMENTS	NAPL @ 41.03													

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION | **STANTEC JOB # 238000257** | **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO | **ANALYSIS: 8260B FULL SCAN** | **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML **DATE: 06/20-23/23** | **1.167 FOR A 6" WELL**

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-9	1:20:00 PM	41.51		0-0	0	2	-6.7739							
G:06/13/23														
SW														
COMMENTS	NAPL @ 41.47													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-36	12:15:00 PM	40.84	53.45	30-50	50	2	2.0578							
6/20/2023	1:28:00 PM	41.1						500	7.21	67.3	1.60	39	6.4	93
	1:29:00 PM	41.1						1000	7.21	67.3	1.60	41	6.48	94
	1:30:00 PM	41.1						1500	7.21	66.9	1.60	16	6.53	94
	1:31:00 PM	41.1						2000	7.21	66.9	1.62	16	6.6	94
	1:32:00 PM	41.1						2500	7.21	67.0	1.60	15	6.64	94
	1:33:00 PM	41.1						3000	7.21	67.0	1.60	15	6.64	95
	1:34:00 PM	41.1						3500	7.21	67.2	1.60	15	6.72	95
	1:35:00 PM	41.1						4000	7.21	67.2	1.60	15	6.73	95
SW	1:38:00 PM	51												
COMMENTS	PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-35	8:03:00 AM	41.48	53.15	33-53	53	2	1.90441							
6/22/2023	9:30:00 AM	38.93						500	7.18	68.1	1.66	98	6.6	122
	9:31:00 AM	38.93						1000	7.18	68.2	1.67	42	6.59	122
	9:32:00 AM	38.93						1500	7.18	68.3	1.67	32	6.58	122
	9:33:00 AM	38.93						2000	7.18	68.4	1.67	30	6.57	122
	9:34:00 AM	38.93						2500	7.18	68.6	1.67	31	6.57	122
	9:35:00 AM	38.93						3000	7.18	68.6	1.67	30	6.56	122
	9:36:00 AM	38.93						3500	7.18	68.6	1.67	29	6.56	122
	9:37:00 AM	38.93						4000	7.18	68.7	1.67	28	6.56	122
SW	9:41:00 AM	48												
COMMENTS	PUMP PLACED @ 48 FT, PURGED AT 500 ML/MN													

		DEPTH TO	DEPTH TO	*SCREEN*	*TOTAL WELL*	CASE	CASE	PRG	PH	Temp	COND	Turb	DO	O.R.P.
WELL #	TIME	WATER	WELL	*INTERVAL*	*DEPTH*	DIA	VOL	VOL	(1 to 14)	(F)	(µS/cm)	(NTUs)	(mg/L)	(mV)
MW-33	10:11:00 AM	41.02	53.5	33-53	53	2	2.03659							
6/22/2023	11:15:00 AM	38.01						500	7.17	71.4	1.77	25	8.71	99
	11:06:00 AM	38.01						1000	7.17	71.6	1.77	24	8.34	98
	11:17:00 AM	38.01						1500	7.17	71.5	1.77	22	8.08	98
	11:18:00 AM	38.01						2000	7.17	71.5	1.77	23	8.01	98
	11:19:00 AM	38.01						2500	7.17	71.7	1.77	22	7.88	98
	11:20:00 AM	38.01						3000	7.17	71.8	1.77	20	7.5	98
	11:21:00 AM	38.01						3500	7.17	71.9	1.77	18	7.42	98
	11:22:00 AM	38.01						4000	7.17	71.9	1.77	17	7.39	98
	11:27:00 AM	51												
COMMENTS	PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN													

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: GLADIOLA STATION | **STANTEC JOB # 238000257** | **0.163 FOR A 2" WELL**

SITE LOCATION: LEA COUNTY, NEW MEXICO | **ANALYSIS: 8260B FULL SCAN** | **0.652 FOR A 4" WELL**

FIELD CREW: JV/ML **DATE: 06/20-23/23** | **1.167 FOR A 6" WELL**

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-34	12:06:00 PM	41.39	53.5	33-53	53	2	1.97621							
6/22/2023	1:04:00 PM	38.42						500	7.15	68.8	1.18	27	6.68	**97**
	1:05:00 PM	38.42						1000	7.12	68.2	1.19	24	6.27	**102**
	1:06:00 PM	38.42						1500	7.08	68.1	1.24	21	6.02	**103**
	1:07:00 PM	38.42						2000	7.09	68.1	1.24	16	5.99	**103**
	1:08:00 PM	38.42						2500	7.10	68.0	1.23	16	6.01	**103**
	1:09:00 PM	38.42						3000	7.10	68.0	1.22	16	6.07	**103**
	1:10:00 PM	38.42						3500	7.11	68.0	1.21	16	6.13	**103**
	1:11:00 PM	38.42						4000	7.12	68.0	1.21	17	6.2	**104**
	1:17:00 PM	51												
COMMENTS	PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN													

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-38	2:08:00 PM	35.86	53.57	33-53	53	2	2.89006							
6/22/2023	3:00:00 PM	36.1						500	7.22	71.0	1.77	38	10.5	**118**
	3:01:00 PM	36.1						1000	7.22	71.2	1.78	35	10.58	**118**
	3:02:00 PM	36.1						1500	7.22	71.1	1.80	32	10.47	**118**
	3:03:00 PM	36.1						2000	7.22	71.2	1.80	33	10.21	**118**
	3:04:00 PM	36.1						2500	7.22	71.3	1.80	33	10.13	**118**
	3:05:00 PM	36.1						3000	7.22	71.4	1.80	33	9.92	**118**
	3:06:00 PM	36.1						3500	7.22	71.4	1.80	33	9.85	**118**
	3:07:00 PM	36.1						4000	7.22	71.4	1.80	32	9.75	**118**
	3:12:00 PM	51												
COMMENTS	PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN													

WELL #	TIME	DEPTH TO WATER	DEPTH TO WELL	*SCREEN INTERVAL*	*TOTAL WELL DEPTH*	CASE DIA	CASE VOL	PRG VOL	PH (1 to 14)	Temp (F)	COND (µS/cm)	Turb (NTUs)	DO (mg/L)	O.R.P. (mV)
MW-37	6:33:00 AM	39.05	53.4	33-53	53	2	2.34175							
6/23/2023	7:53:00 AM	39.45						500	7.38	66.3	1.21	69	10.53	**120**
	7:54:00 AM	39.45						1000	7.35	66.8	1.31	40	11.23	**75**
	7:55:00 AM	39.45						1500	7.31	67.0	1.31	35	11.3	**86**
	7:56:00 AM	39.45						2000	7.31	67.0	1.32	32	11.31	**89**
	7:57:00 AM	39.45						2500	7.31	67.0	1.32	30	11.3	**92**
	7:58:00 AM	39.45						3000	7.31	67.0	1.32	29	11.3	**93**
	7:59:00 AM	39.45						3500	7.31	67.0	1.32	27	11.3	**94**
	8:00:00 AM	39.45						4000	7.31	67.0	1.32	26	11.3	**96**
	8:05:00 AM	51												
COMMENTS	PUMP PLACED @ 51 FT, PURGED AT 500 ML/MN													

TUE 6-13-23

WELL SAMPLING – FIELD LOG

CLIENT NAME:	ExxonMobil	Cardno ERI#		0.163 FOR A 2" WELL	
SITE LOCATION:	~~Maypearl Scrapper Trap~~	Gladiola		0.652 FOR A 4" WELL	
FIELD CREW:	Mark Lach/Richard	**DATE:**	6/13/23	1.167 FOR A 6" WELL	

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to ~~WELL~~ (ft) NAPL	CASE DIA (in)	CASE VOL (gal) Recovered NAPL	PRG VOL (gal) H2O	COND (µs) or (ms)	TEMP (°c)	pH	TURBIDITY (NTU)
MW2	11:55	47.1	47.0	2"	30 mL	1L	1			
~~MW6~~	~~12:20~~	~~39.5~~	~~41.1~~	~~2"~~						
MW6	12:30	41.10	—	2"	Sheen only		2			
MW16	12:35	39.87	39.67	4"	150 mL	2L	3			
MW1	12:55	38.21	38.1	2"	30 mL	1.5L	4			
MW9	13:20	41.51	41.47	2"	15 mL	0.5L	5			
MW12	13:40	41.04	41.03	4"	35 mL	3L	6			
MW25	13:55	40.65	40.42	2"	20 mL	2L	7			
MW13	14:05	40.39	39.84	4"	3.5L	3L	8			
MW05	14:25	40.12	39.81	2"	60 mL	2L	9	2L		
MW15	14:40	40.18	40.08	4"	50 mL	3L	10			
MW24	15:00	40.25	39.13	2"	1L	2.5L	11			

WELL SAMPLING – FIELD LOG

WGD (2)

CLIENT NAME:	ExxonMobil	Cardno ERI#		0.163 FOR A 2" WELL	
SITE LOCATION:	~~Maypearl Scrapper Trap~~ Gladiola			0.652 FOR A 4" WELL	
FIELD CREW:	Mark Lach/Richard	DATE:	6/4/25	1.167 FOR A 6" WELL	

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to ~~WELL~~ (ft) NAPL	CASE DIA (in)	CASE VOL (gal) Recovered NAPL	PRG VOL (gal) Rec. H_2O	COND (µs) or (ms)	TEMP (°c)	pH	TURBIDITY (NTU)
MW 19	9:30	40.90	39.99	4"	3L	2L				
14	9:00	39.84	39.72	4"	200 mL	400 mL				
23	9:10	40.28	40.27	2"	No Recovery					
21	9:50	41.16	41.10	4"	40mL	2L				
18	10:05	41.20	39.91	4"	+4L	3L				
20	10:30	40.96	40.43	4"	30mL	2L				
26		42.18	40.45	2"	4.5L	2L				

APPENDIX B

Laboratory Analytical Reports

Loc: 570
142420

eurofins | Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
TEL: (714) 895-5494

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station / 3612

CHAIN OF CUSTODY RECORD

DATE: 6/20/23
PAGE: 1 OF 1

ExxonMobil Engr: CHRIS BEAR

LABORATORY CLIENT: Stantec
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 | FAX: 949-457-8956 | James.Anderson@Stantec.com

GLOBAL ID #/ COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Jose Vasquez

EMES Sub Agreement #A2604415
LAB USE ONLY:
COOLER RECEIPT: Temp = ____ °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS [ ] 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY):
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

570-142420 Chain of Custody

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W-MW-30	MW-30	06/20/23	08:18	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
2	W-MW-29	MW-29	06/20/23	08:55	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
3	W-MW-28	MW-28	06/20/23	10:18	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
4	W-MW-27	MW-27	06/20/23	10:45	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
5	W-MW-32	MW-32	06/20/23	11:23	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
6	W-MW-17	MW-17	06/20/23	11:48	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
7	W-MW-36	MW-36	06/20/23	13:38	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
8	TRIP BLANK	DCTB	6/20/23	—	W	2	X	X				3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
9					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
10					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
11					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
12					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic

Relinquished by: (Signature)	06/20/23 15:32	Received by: (Signature)	Date, & Time: 6/21/23 0940
Relinquished by: (Signature)		Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)		Received by: (Signature)	Date, & Time:

5-7/5-6 5-3/5-2 5C12

Loc: 570

142576

eurofins | Calscience

2841 Dow Avenue, Suite 100
Tustin, CA 92780
TEL: (714) 895-5494

CHAIN OF CUSTODY RECORD

DATE: 06/21/23

PAGE: 1 OF 1

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station / 23800257

ExxonMobil Engr: CHRIS BEAR

LABORATORY CLIENT: Stantec

ADDRESS: 4572 Telephone Road #916

CITY: Ventura, CA 93003

TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@Stantec.com

GLOBAL ID # / COELT LOG CODE:

PROJECT CONTACT: James Anderson

SAMPLER(S): JOSE VASQUEZ

EMES Sub Agreement #A2604415

LAB USE ONLY

COOLER RECEIPT Temp = °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W-MW-22	MW-22	06/21/23	09:14	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
2	W-MW-11	MW-11	06/21/23	10:07	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
3	W-MW-31	MW-31	06/21/23	11:16	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
4	W-MW-3	MW-3	06/21/23	13:31	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
5	DUP	DUP	06/21/23	—	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
6	TRIP BLANK	QCTB	06/21/23	—	W	2	X					2 vials w/ HCL
7					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
8					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
9					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
10					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
11					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic
12					W	8						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2x250mL Plastic

570-142576 Chain of Custody

Relinquished by: (Signature)	06/21/23 16:20	Received by: (Signature)	Date, & Time: 6/22/23 0918
Relinquished by: (Signature)		Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)		Received by: (Signature)	Date, & Time:

1-8/20 SG

Loc: 570
142722

eurofins | Calscience

2841 DOW AVE SUIT 100
TUSTIN, CA 92780
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station / 238000257

CHAIN OF CUSTODY RECORD

DATE: 06/22/23
PAGE: 1 OF 1

ExxonMobil Engr: Chris Bear

LABORATORY CLIENT: Stantec
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@Stantec.com

GLOBAL ID #/ COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Joe Vazquez

EMES Sub Agreement #A2604415
LAB USE ONLY
COOLER RECEIPT Temp = ____ °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

570-142722 Chain of Custody

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W-MW-35	MW-35	06/22/23	09:41	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber glass, 250mL Plastic with HNO3, 2-250mL Plastic,
2	W-MW-33	MW-33	06/22/23	11:27	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber glass 250mL Plastic with HNO3, 2-250mL Plastic,
3	W-MW-34	MW-34	06/22/23	13:17	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber 250mL Plastic with HNO3, 2-250mL Plastic,
4	W-MW-38	MW-38	06/22/23	15:12	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber, 250mL Plastic with HNO3, 2-250mL Plastic,
5	W-MW-32	MW-32	06/22/23	15:59	W	1		X				~~3 vials with HCL, 50mL Plastic with HNO3, 2-250mL Plastic,~~ 1L Amber glass
6	TRIP BLANK	DCTB	6/22/23	—	W	2	X					~~3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,~~ 2 Vials w HCL
7												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
8												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
9												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
10												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
11												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
12												

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature) 6/22/23 16:53	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature) COC\Gladiola Station-NM Site COC-16 samples.xls	Received by: (Signature)	Date, & Time: 6/23/23 0930

6-27-24 JC6

eurofins | Calscience

2841 DOW AVE SUIT 100
TUSTIN, CA 92780
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station / 238000257

Loc: 570
142871

CHAIN OF CUSTODY RECO

DATE: 06/23/23
PAGE: 1 OF 1

ExxonMobil Engr: Chris Bear

LABORATORY CLIENT: Stantec
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@Stantec.com

GLOBAL ID #/ COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Jose Vasquez

EMES Sub Agreement #A2604415
LAB USE ONLY
COOLER RECEIPT Temp = °C

TURNAROUND TIME
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL _____/_____/_____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	N-MW-37	MW-37	06/23/23	08:05	W	8	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic, 2
2	TRIP BLANK	QCTB	06/23/23	—	W	2	X					~~3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,~~ 2 vials with HCL
3					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
4					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
5												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
6												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
7												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
8												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
9												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
10												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
11												3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
12												

570-142871 Chain of Custody

Relinquished by: (Signature) 06/23/23 10:00	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature) FEDEX	Received by: (Signature)	Date, & Time: 6/24/23 9:45
Relinquished by: (Signature) COC\Gladiola Station-NM Site COC-16 samples.xls	Received by: (Signature)	Date, & Time:

5.4/5.6 SCG

6/27/2023

IGIN ID:HOBA (951) 817-4747
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

SHIP DAT
ACTWGT:
CAD: 699
DIMS: 24
BILL THI

RT 460
ST 21

TO SAMPLE
CAL SCIENCE ENVIRONMENTAL
2841 DOW AVE STE 100

TUSTIN CA 92780
(951) 817-4747 REF:
INV:
PO: DEPT:

FedEx
Express

E

TRK# 0215 8173 7969 5999

SATURDAY 12:00
PRIORITY OVERNIGH
AH
9278
SN
CA-US

XO DTHA

570-142871 Waybill

Part # 156297-486

APPENDIX C

Recycling Documentation

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
D0035	1	805-644-4157	021607809 JJK

5. Generator's Name and Mailing Address
ExxonMobil Pipeline Company
c/o Stantec 4872 Telephone Rd #816
Ventura, CA 93003 Attn. James Anderson 805-644-4157
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gladiola-Copeland Rd & Hwy 39
Tatum, NM 88267

6. Transporter 1 Company Name: Alamo 1 — U.S. EPA ID Number: TXR000085052

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Abilene Environmental Landfill
1984 FM 3034
Abilene, TX 79601
Facility's Phone: 325-437-3093
U.S. EPA ID Number: TXR000084585

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Class 1 IDW Soil	05	DM	~~20~~ 5	~~Y~~ P	OUTS3191
	2. Class 1 IDW Water	05	DM	5	G	OUTS1191
	3.			200 (initials)		
	4.					

14. Special Handling Instructions and Additional Information
1) Profile # 26221739 (Class 1 IDW Soil) 2) Profile# 26223494 (Class 1 IDW Water) Alamo 1 Job # AR23-0080
~~Profile # 26221760~~ ~~Alamo 1 Job # AR23-00~~
HB 6/21/23

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mark Loch on behalf of ExxonMobil Pipeline Company — Signature: Mark Loch on behalf of ExxonMobil Pipeline Company — Month 6 Day 23 Year 23

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mauricio Medrano — Signature: [signature] — Month 6 Day 23 Year 23
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: M Martinez — Signature: M Martinez — Month 6 Day 1 Year 23

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **TRANSPORTER COPY**

OCD Permitting

An Unexpected Error Has Occurred

Please restart your browser and try to complete this action again. If you continue to experience this issue please contact an OCD representative.

Thank you.

1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220