

March 4, 2022 Vertex Project #: 21E-03819-01

Spill Closure Report: Patterson EL #1 (Section 31, Township 17 South, Range 26 East)

API: 30-015-21606 County: Eddy

Incident Report: nAPP2131355991

Prepared For: EOG Resources, Inc.

104 South Fourth Street Artesia, New Mexico 88220

New Mexico Oil Conservation Division - District 2

811 South 1st Street Artesia, New Mexico 88210

EOG Resources, Inc. retained Vertex Resource Services Inc. (Vertex) to conduct a Spill Assessment for historical releases around the compressor at the Patterson EL #1, API 30-015-21606, Incident nAPP2131355991 (hereafter referred to as "Patterson"). A copy of the C-141 can be found in Attachment 1. This letter provides a description of the Spill Assessment and includes a request for spill closure. The spill area is located at N 32.78679, W -104.42783.

Background

The site is located approximately 2.40 miles northwest of Atoka, New Mexico. The legal location for the site is Section 31, Township 17 South and Range 26 East in Eddy County, New Mexico. The spill area is located on private property. An aerial photograph and site schematic are included in Figure 1 (Attachment 2).

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2014 – 2017) indicates the site's surface geology is comprised primarily of Qp -- Piedmont alluvial deposits (Holocene to lower Pleistocene), and is characterized as Residuum weathered from limestone. Predominant soil texture on the site is Upton gravelly loam. Ecological settings of the area include vegetation dominated by black grama and subdominated by short-lived perennial C4 bunchgrasses. Mesquite, whitethorn, and creosotebush can be invaders of this site. Lovegrass, Russian thistle, kochia, and other nonnative annuals may initially invade following extended disturbance.

The surrounding landscape is associated with ridges and fans typical of elevations between 1,100 to 4,400 feet above sea level. The climate is semi-arid with an average annual precipitation ranging between 7 to 15 inches. The soil tends to be well drained with high runoff with a very low available water supply (United States Department of Agriculture, Natural Resource Conservation Service, 2020).

There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 of the New Mexico Administrative Code (NMAC), is the Pecos River, located approximately 5.72 miles east of the site (United States Fish and Wildlife Service, 2020). There are no continuously flowing watercourses, lakebeds, sinkholes, play lakes, or other critical water or community features at Patterson, as outline in Paragraph (4) of Subsection C of vertex.ca

2022 Spill Assessment and Closure March 2022

19.15.29.12 NMAC.

Incident Description

The spill was discovered on November 8, 2021 and was reported on November 9, 2021. An unknown amount of crude oil had leaked over an unknown period of time on the well pad where the compressor was located. A total of 60 yards of contaminated soil was removed from the contaminated area. Approximately zero bbl. of free fluid was removed during initial spill clean-up. The New Mexico Oil Conservation Division (NMOCD) C-141 Report: nAPP2131355991 is included in Attachment 1. The Daily Field Reports (DFRs) and site photographs are included in Attachment 3.

Closure Criteria Determination

The depth to groundwater was determined using information from Oil and Gas Drilling records and the New Mexico Office of the State Engineer Water Column/Average Depth to Water report, and United States Geological Survey, National Water Information System. A 0.5-mile search radius was used to determine groundwater depth. The closest recorded depth to groundwater was determined to be 190 feet below ground surface (bgs) and 0.23 miles from the site. Documentation used in Closure Criteria Determination research is included in Attachment 4.

	Criteria Worksheet		
	ne: Patterson EL #1 rdinates:	X: 32.787060	Y: -104.427983
•	cific Conditions		
site spec	T	Value	Unit
1	Depth to Groundwater	190	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	30,185	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	36,762	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	1,130	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	1,222	feet
	ii) Within 1000 feet of any fresh water well or spring 1,22:		feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	1,775	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
10	Within a 100-year Floodplain	500	year
11 Soil Type		Upton gravelly loam	
12	Ecological Classification Shallow		llow
13	Geology	Qp	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	>100'	<50' 51-100' >100'

2022 Spill Assessment and Closure March 2022

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the			
horizontal boundary of the release to groundwater			
less than 10,000 mg/l TDS	Constituent	Limit	
	Chloride	20,000 mg/kg	
	TPH (GRO+DRO+MRO)	2,500 mg/kg	
> 100 feet	GRO+DRO	1,000 mg/kg	
	BTEX	50 mg/kg	
	Benzene	10 mg/kg	

Remedial Actions Taken

An initial site inspection of the spill area was completed on October 25, 2021, which identified the area of the spill specified in the initial C-141 Report, estimated the approximate volume of the spill and white lined the area required for the 811 One Call request. The impacted area was determined to be approximately 31 feet long and 24 feet wide; the total affected area was determined to be 497 square feet. The DFR associated with the site inspection is included in Attachment 3, laboratory results from initial characterization are presented in Table 2 (Attachment 5) and the laboratory data report is included in Attachment 7.

Remediation efforts began on November 8, 2021 and were completed on November 9, 2021. Vertex personnel supervised the excavation of impacted soils. Field screening consisted of analysis using a photo ionization detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and EC meter (chlorides). Field screening results were used to identify areas requiring further remediation from those areas showing concentrations below determined closure criteria levels. Soils were removed to a depth of 1 to 3 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Field screening results are presented in the DFRs in Attachment 3.

A GeoExplorer 7000 Series Trimble global positioning system (GPS) unit, or equivalent, was used to map the approximate center of each of the five-point composite samples. The confirmatory schematic is shown on Figure 2 (Attachment 2).

Notification that confirmatory samples had been collected was provided to the NMOCD on December 1, 2021 and is included in Attachment 6. NMOCD was notified of the missed sampling notification and a variance to the 48-hour notification requirement for final confirmatory sampling events was requested. A variance was granted and is included in Attachment 6. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of eight samples (four wall and four base) were collected on November 16, 2021, for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Envirotech, Inc. under chain-of-custody (COC) protocols and analyzed for benzene, toluene, ethylbenzene and xylenes (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0).

2022 Spill Assessment and Closure March 2022

Laboratory results are presented in Table 3 in Attachment 5 and the laboratory data report is included in Attachment 7. All analyzed parameters from confirmatory samples collected were below closure criteria for the site.

Additional remediation efforts were completed on February 24, 2022 to assess the area where BS22-03 and BS22-04 were located. An additional foot was excavated to meet the strictest criteria since the area is considered pastureland and original sampling did not meet strictest criteria of the top four feet. Daily field activities can be found in Attachment 3.

Notification for additional sampling was submitted by EOG on February 23, 2022. Confirmatory composite samples were collected on February 25, 2022. Notification of the confirmatory sampling event can be found in Attachment 6. The two additional samples were field screened and sent for laboratory analysis. Laboratory results are presented in Table 3 in Attachment 5 and the laboratory report is also included in Attachment 7.

Closure Request

The spill area was fully delineated and remediated by February 25, 2022. Backfill will take place after approval of closure from NMOCD. The Confirmatory Sample Notification email is presented in Attachment 6. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release at locations "greater than 100 feet to groundwater". Based on these findings, EOG Resources, Inc. requests that this spill be closed.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.

	March 4, 2022
Monica Peppin	Date
SR. ENVIRONMENTAL TECHNICIAN, REPORTING	

March 4, 2022

Dhugal Hanton B.Sc., P.Ag., SR/WA, P. Biol. VICE PRESIDENT, REPORT REVIEW

Date

2022 Spill Assessment and Closure March 2022

Attachments

Attachment 1. NMOCD C-141 Report

Attachment 2. Figures

Attachment 3. Daily Field Reports with Photographs

Attachment 4. Closure Criteria for Soils Impacted by a Release Research Determination Documentation

Attachment 5. Characterization and Confirmatory Tables

Attachment 6. Required 48 Hour Notification
Attachment 7. Laboratory Data Reports and COCs

References

- Water Column/Average Depth to Water Report. New Mexico Water Rights Reporting System, (2019). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html
- Assessed and Impaired Waters of New Mexico. New Mexico Department of Surface Water Quality Bureau, (2019). Retrieved from https://gis.web.env.nm.gov/oem/?map=swqb
- Interactive Geologic Map. New Mexico Bureau of Geology and Mineral Resources, (2019). Retrieved from http://geoinfo.nmt.edu
- Measured Distance from the Subject Site to Residence. Google Earth Pro, (2019). Retrieved from https://earth.google.com
- *Point of Diversion Location Report.* New Mexico Water Rights Reporting System, (2019). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html
- Measured Distance from the Subject Site to Municipal Boundaries. Google Earth Pro, (2019). Retrieved from https://earth.google.com
- National Wetland Inventory Surface Waters and Wetland. United State Fish and Wildlife Service, (2019). Retrieved from https://www.fws.gov/wetlands/data/mapper.html
- Coal Mine Resources in New Mexico. NM Mining and Minerals Division, (2019). Retrieved from http://www.emnrd.state.nm.us/MMD/gismapminedata.html
- *New Mexico Cave/Karsts*. United States Department of the Interior, Bureau of Land Management, (2019) Retrieved from https://www.blm.gov/programs/recreation/recreation-programs/caves/new-mexico
- Flood Map Number 35015C1875D. United States Department of Homeland Security, FEMA Flood Map Service Center, (2010). Retrieved from https://msc.fema.gov/portal/search?AddressQuery=malaga%20new%20mexico#searchresultsanchor
- Well Log/Meter Information Report. NM Office of the State Engineer, New Mexico Water Rights Reporting System. (2019). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/meterReport.html
- Natural Resources and Wildlife Oil and Gas Releases. New Mexico Oil Conservation Division, (2019). Santa Fe, New Mexico.
- Soil Survey, New Mexico. United States Department of Agriculture, Soil Conservation Service in Cooperation with New Mexico Agricultural Experiment Station. (1971). Retrieved from http://www.wipp.energy.gov/library/Information_Repository_A/Supplemental_Information/Chugg%20et%20al% 201971%20w-map.pdf

2022 Spill Assessment and Closure March 2022

Limitations

This report has been prepared for the sole benefit of EOG Resources, Inc. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and EOG Resources, Inc. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

ATTACHMENT 1

District 1 1625 N. French Dr., Hobbs, NM 88240 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2131355991
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			Ites	pons	ibic i ai i	J	
Responsible Party EOG Resources, Inc.					OGRID 7377		
Contact Name					Contact To	elephone	
Robert Asher					575-748-4		
Contact email					Incident #	(assigned by OCD))
bob_asher@eogre		s.com					
Contact mailing a 104 South Fourth		Autorio NIM 002	10				
104 South Fourth	Sircei,	Artesia, INIVI 662	10				
			Location	n of F	Release S	ource	
Latitude <u>32.78679</u>					Longitude :		
			(NAD 83 in c	lecimal de	egrees to 5 decin	nal places)	
Site Name: Patters	on EL#	‡ 1			Site Type:	Battery	
Date Release Disc	overed:	11/8/2021	······································		API# 30-0	15-21606	
Unit Letter Se	ction	Township	Panga	1	Cour	· · · · · · · · · · · · · · · · · · ·]
	Ction		Range	F.1.1	Cour	ıty	_
M 31		17S	26E	Edd	У		
	Material						volumes provided below)
Crude Oil		Volume Release	ed (Unknown)			Volume Reco	vered (Unknown)
Produced Water	er	Volume Release	ed (bbls)			Volume Reco	vered (bbls)
		Is the concentra produced water	tion of dissolved	chlorid	e in the	☐ Yes ☐ N	О
Condensate		Volume Release				Volume Reco	vered (bbls)
Natural Gas						Volume Reco	vered (Mcf)
		Volume/Weight Released				Volume/Weig	tht Recovered
Cause of Release	DI #1				-l- fl		4
Cause of Release After the Patterson EL #1 was plugged and abandoned during a check for reclamation work, historical contamination (hydrocarbons) was discovered in an area in and around the well pad where a compressor was located, (approximate area, 185' X 325').							
alsto fored III		and around the	on pad miloto	- comp	5501 7745 10	carea, (approxi	100 11 520 J.

Released to Imaging: 3/15/2022/10:22:39 AM

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2131355991
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No		nsible party consider this a major release?		
If YES, was immediate no	otice given to the OCD? By whom? To wi	nom? When and by what means (phone, email, etc)?		
	Initial R	esponse		
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury		
 ☑ The source of the release has been stopped. ☑ The impacted area has been secured to protect human health and the environment. ☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☑ All free liquids and recoverable materials have been removed and managed appropriately. 				
If all the actions described above have <u>not</u> been undertaken, explain why:				
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Robert Ash	er	Title: Environmental Supervisor		
Signature:	<u> </u>	Date:11/9/2021		
email: bob_asher@eogres	ources.com	Telephone: <u>575-748-4217</u>		
OCD Only				
Received by: Ramor	na Marcus	Date: _11/12/2021		

Page 11 of 146

Incident ID	nAPP2131355991
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)	
Did this release impact groundwater or surface water?	Yes X No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes X No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes X No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes X No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes X No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes X No	
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No	
Are the lateral extents of the release overlying a subsurface mine?	Yes X No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No	
Are the lateral extents of the release within a 100-year floodplain?	Yes X No	
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		

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

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- N/A Boring or excavation logs
- X Photographs including date and GIS information
- Topographic/Aerial maps
- X Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 3/8/2022 2:12:02 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 12 of 1-	46
Incident ID	nAPP2131355991	
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Robert Asher	Title: Environmental Supervisor	
Signature:	Date:	
email:bob_asher@eogresources.com	Telephone: 575-748-4217	
OCD Only		
Received by:	Date:	
and/or regulations. Printed Name: Robert Asher Signature: email: bob_asher@eogresources.com OCD Only	Title: Environmental Supervisor Date: Telephone:575-748-4217	

Page 13 of 146

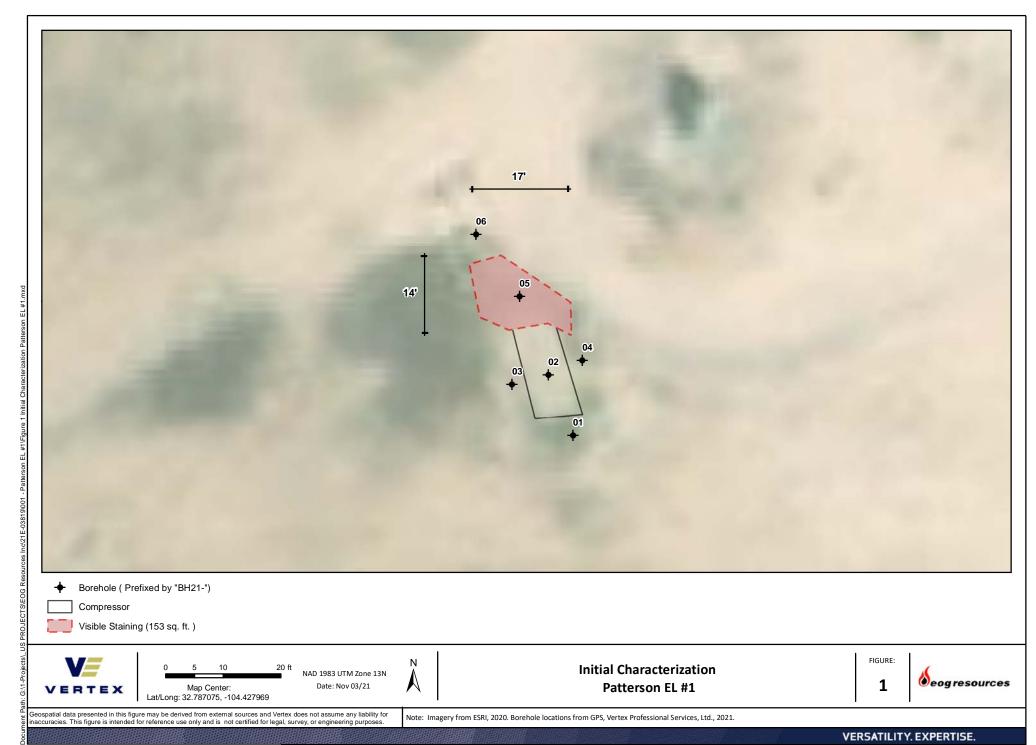
Incident ID	nAPP2131355991
District RP	
Facility ID	
Application ID	

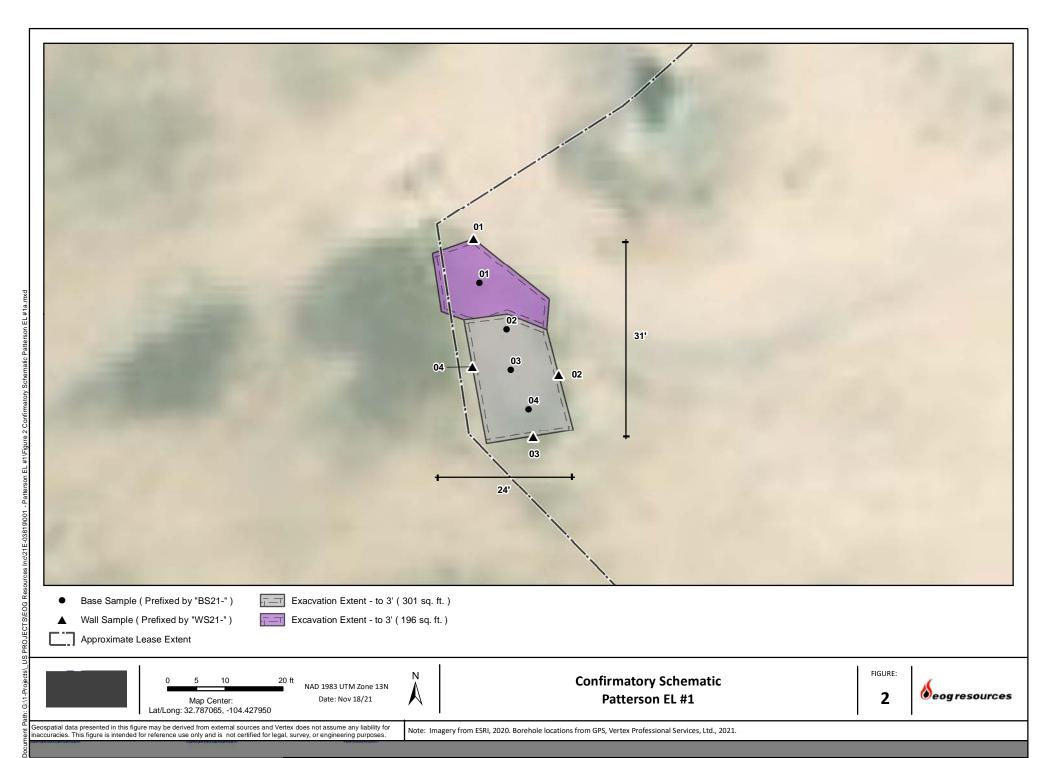
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following is	tems must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
X Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rer human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the OP Printed Name: Robert Asher	ntions. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in
eman:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Jennifer Nobui	Date: 03/15/2022
Printed Name: Jennifer Nobui	Title:Environmental Specialist A

ATTACHMENT 2





ATTACHMENT 3



Client:	EOG Resources Inc.	Inspection Date:	10/18/2021
Site Location Name:	Patterson EL #1	Report Run Date:	10/18/2021 8:14 PM
Client Contact Name:	Chase Settle	API #:	
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of T	Times
Arrived at Site	10/18/2021 10:04 AM		
Departed Site	10/18/2021 10:28 AM		
		Field Note	2S

- **10:05** Visual staining is visible where compressor was located. Completion of 811 directions for line locators to distinguish where lines are before digging
- **10:10** Lucid flags in place already from previous white line. Vegetation around area of concern is very lush. Only equipment on site is pipeline riser and underground line
- 10:15 Vegetation around site is coming in. No visual stains located anywhere else around site

Next Steps & Recommendations

- 1 Characterization of contamination
- 2 Laboratory analysis
- 3 Remediation
- 4 Summary report



Site Photos

Viewing Direction: South



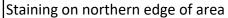
Area of concern where compressor was located

Viewing Direction: West

Descripting Binds Viewing Direction of compressor Direction (Series Series (Series (Series Series (Series (Series

Roadway that goes by location of compressor







White line area





White line area



Compressor location



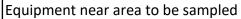
Staining



Equipment on pipeline near compressor









Roadway coming into location



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:



Client:	EOG Resources Inc.	Inspection Date:	10/25/2021
Site Location Name:	Patterson EL #1	Report Run Date:	10/25/2021 9:06 PM
Client Contact Name:	Chase Settle	API #:	
Client Contact Phone #:	575-703-6537	_	
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of ⁻	Fimes
Arrived at Site	10/25/2021 8:25 AM		
Departed Site	10/25/2021 1:30 PM		
		Field Note	es

- 8:26 Delineation of site to determine extent of cleanup
- **12:16** Only sample to have any odor is bh5. Seems that I will have a higher reading for MRO over anything else. Stained area is very apparent. Clean up should consist of removing the stained area
- **12:40** Chlorides are not a large issue. Only sample with anything close to being high is around bh6 which could be due to being so close to a pipeline riser

Next Steps & Recommendations

- 1 Send samples for lab analysis
- 2 Schedule clean up



Site Photos



Stained area





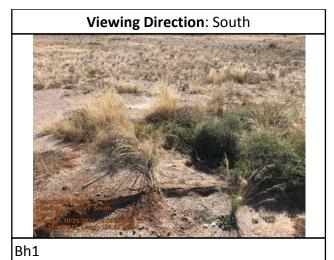
Stained area



Run on 10/25/2021 9:06 PM UTC Powered by www.krinkleldar.com Page 2 of 4







Viewing Direction: Northwest Sample area



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

Daily Soil Sampling

VERTEX

Client: Client: EOG Resources Inc.

Location: Site: Patterson EL #1

Date: (SD: 10/25/21)

					:	Sampling					
				Field	Screeni	ng	Data Collection		ollection		
		Hydro	carbon		Chloride						
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BH21-01	0.0	0		0.06	20.8	0		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
BH21-01	1.0	0	77	0.08	20.9	21		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
BH21-02	0.0	0		0.11	20.7	73		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
BH21-02	1.0	0	26	0.15	20.6	135		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
BH21-03	0.0	0		0.08	20.8	25		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	V	
ВН21-03	1.0	0	98	0.20	20.7	203		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	V	
BH21-04	0.0	0		0.08	20.8	25		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
BH21-04	1.0	0	66	0.10	21.2	37		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\	\	
BH21-05	0.0	9		0.06	21.2	0		BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	V	V	

Daily Soil Sampling



BH21-05	1.0	5	595	0.12	21.4	57	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)
BH21-05	2.0	1	74	0.20	21.6	164	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)
BH21-06	0.0	0		0.30	21.7	304	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)
BH21-06	1.0	0	24	0.35	21.3	393	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)



Client:	EOG Resources Inc.	Inspection Date:	11/8/2021					
Site Location Name:	Patterson EL #1	Report Run Date:	11/8/2021 9:00 PM					
Client Contact Name:	Chase Settle	API #:						
Client Contact Phone #:	575-703-6537	_						
Unique Project ID		– Project Owner:						
Project Reference #		Project Manager:						
Summary of Times								
Arrived at Site	11/8/2021 8:06 AM							
Departed Site	11/8/2021 1:55 PM							
		Field Not	es					

- Field Notes
- **7:37** Excavation of known contamination around area where compressor was located. Visual staining will be removed and guide with field screening to clean the area
- 8:38 Scraping area to the east south and west 0.5' to remove contamination and excavating the north area where staining is very noticeable
- 10:56 Area dug down to 3 ft where BH21-05 is located and screened. Wall area taken out further due to field screen coming back high
- 11:19 Areas excavated to 0.5' each have a base sample collected to represent the areas
- 12:28 During the removal of the middle area that was clean contamination was found underneath to the north and is being taken out to clean the area. Considering the release reportable after speaking with Bob on the phone
- 13:43 Cleaning gravel out of middle area and field screening so that area will be ready for confirmation sampling

Next Steps & Recommendations

- 1 Complete excavation
- 2 Schedule confirmation sampling



Site Photos

3 ft excavation



Excavation area



Viewing Direction: North









East wall

Viewing Direction: East

Caliche gravel being removed



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

Daily Soil Sampling



Client: Client: EOG Resources Inc.

Location: Site: Patterson EL #1

Date: (SD: 11/8/21)

Sampling											
	Field Screening								Data Co		
		Hydro	carbon		C	hloride					
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BES21-01	2.5	14	846	0.12	22.7	1				✓	
BES21-01	3.0	1	67	0.12	24.6	0				✓	
BES21-02	0.5	12	664	0.11	22.5	0				~	
BES21-03	0.5	1	657	0.08	23.6	0				✓	
BES21-04	0.5	1	150	0.09	27.9	0				✓	
WES21-01	2.5	2	142	0.10	22.3	0				✓	
WES21-01	3.0	1	3500	0.10	23.2	0				✓	
WES21-01	3.0	1	36	0.11	22.1	12				✓	



Client:	EOG Resources Inc.	Inspection Date:	11/9/2021	
Site Location Name:	Patterson EL #1	Report Run Date:	11/9/2021 9:48 PM	
Client Contact Name:	Chase Settle	API #:		
Client Contact Phone #:	575-703-6537			
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
		Summary of ⁻	Times	
Arrived at Site	11/9/2021 8:00 AM			
Departed Site	11/9/2021 2:15 PM			
		Field Note	es	

- 11:18 Continuance of excavation where compressor was located to meet strictest criteria
- 11:20 Considering release reportable. Total loads hauled off of site is 3 loads for a total of around 50 yards of contaminated soil
- **11:22** Samples first collected showed contamination still present. Base excavated down to 2 ft and sloped down to the 3 ft section towards the northern end. Walls taken out some in order to find clean samples

Next Steps & Recommendations

- 1 48 hour notification
- 2 Confirmation sampling
- 3 Backfill
- **4** Closure report



Site Photos



Excavation area



Viewing Direction: Southeast

Excavation area



Excavation area





Contaminated pile being removed



Excavated area



Excavation area



Excavation area



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

Daily Soil Sampling



Client: Client: EOG Resources Inc.

Location: Site: Patterson EL #1

Date: (SD: 11/9/21)

Sampling											
				Field	Screenii	ng			Data Co	ollection	
		Hydro	carbon		C	Chloride					
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BES21-02	1.5	0	1098	0.11	21.9	21				V	
BES21-02	2.0	0	64	0.12	20.2	109				✓	
BES21-03	1.0	0	24	0.15	21.1	113				/	
BES21-04	1.0	0	320	0.17	20.7	160				/	
BES21-04	2.0	0	20	0.13	20.6	106				/	
WES21-02	1.0	0	652	0.14	20.7	116				/	
WES21-02	2.0	0	19	0.11	20.5	82				/	
WES21-03	2.0	0	110	0.15	20.5	139				✓	
WES21-04	1.0	0	123	0.10	20.2	80				✓	
WES21-04	2.0	0	65	0.11	20.1	99				/	



Client:	EOG Resources Inc.	Inspection Date:	11/16/2021
Site Location Name:	Patterson EL #1	Report Run Date:	11/30/2021 3:18 PM
Client Contact Name:	Chase Settle	API #:	
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of [*]	Times
Arrived at Site	11/16/2021 12:38 PM		
Departed Site	11/16/2021 2:00 PM		
		Field Not	22

- **8:06** Confirmation sampling of excavated area. Excavation was aimed to be cleaned to strictest criteria due to site going to reclamation depending on lab results but closure criteria determination ranks the site for dtgw greater than 100 ft. No high potential for karst or within any parameters that would drop the site ranking.
- 13:30 Backfill has been stockpiled on location
- 13:44 All samples collected are five point composite. Four wall samples and four base samples collected.

Next Steps & Recommendations

- 1 Wait for lab results
- 2 Backfill
- **3** Closure report



Site Photos





Excavation





Run on 11/30/2021 3:18 PM UTC Powered by www.krinkleldar.com Page 2 of 4







Excavation

South wall





Run on 11/30/2021 3:18 PM UTC Powered by www.krinkleldar.com Page 3 of 4



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

Daily Soil Sampling

VERTEX

Client: Client: EOG Resources Inc.

Location: Site: Patterson EL #1

Date: (SD: 11/16/21)

Sampling											
Field Screening								Data Co	ollection		
		Hydro	carbon		C	hloride					
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BES21-01	3.0	0	23	0.12	19	161		Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\	V	
BES21-02	2.0	0	2	0.11	19	147		Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
BES21-03	2.0	0	20	0.10	19.3	119		Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\bigvee	\	
BES21-04	2.0	0	16	0.10	19.2	124		Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\bigvee	\	
WES21-01	3.0	0	32	0.09	19.2	109		Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	V	V	
WES21-02	2.0	0	30	0.11	19.4	129		Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	V	V	

Daily Soil Sampling



WES21-03	2.0	0	82	0.09	19.3	105	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	>	\	
WES21-04	2.0	0	78	0.11	19.2	138	Benzene (EPA SW-846 Method 8021B/8260B), BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\	\	



Inspection Date: 2/24/2022 Client: EOG Resources Inc. Report Run Date: Patterson EL #1 2/24/2022 10:44 PM Site Location Name: Chase Settle API#: Client Contact Name: Client Contact Phone #: 575-703-6537 Unique Project ID Project Owner: Project Reference # Project Manager: **Summary of Times** Arrived at Site 2/24/2022 9:15 AM **Departed Site** 2/24/2022 1:15 PM

Field Notes

10:10 Safety meeting complete, beginning excavation

12:10 1 truckload sent to landfill

Next Steps & Recommendations

- 1 Continue with confirmation sampling tomorrow
- 2 Backfill once lab results come in



Site Photos

Viewing Direction: South



Breaking ground

Viewing Direction: Southeast



Excavation down to 3', cleaning up corners before sampling

Viewing Direction: Northwest



Excavation

Viewing Direction: Southwest



Top foot of clean topsoil preserved to prevent need for additional truckloads







Daily Site Visit Signature

Inspector: Sally Carttar

Signature:



2/25/2022 Client: EOG Resources Inc. Inspection Date: Report Run Date: Patterson EL #1 2/25/2022 6:07 PM Site Location Name: Chase Settle API#: Client Contact Name: Client Contact Phone #: 575-703-6537 Unique Project ID Project Owner: Project Reference # Project Manager: **Summary of Times** 2/25/2022 9:00 AM Arrived at Site **Departed Site** 2/25/2022 11:15 AM

Field Notes

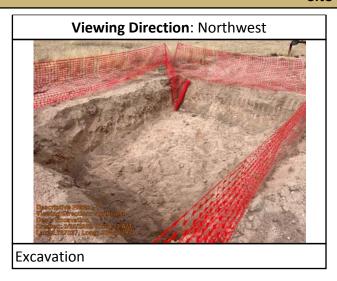
- **9:41** Samples collected, running field screens
- 10:02 Rancher stopped by to see what I was doing, drove through the pasture to get to site
- **10:39** Completing field screen paperwork

Next Steps & Recommendations

1 Backfill after labs come back clean



Site Photos





Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

Daily Soil Sampling



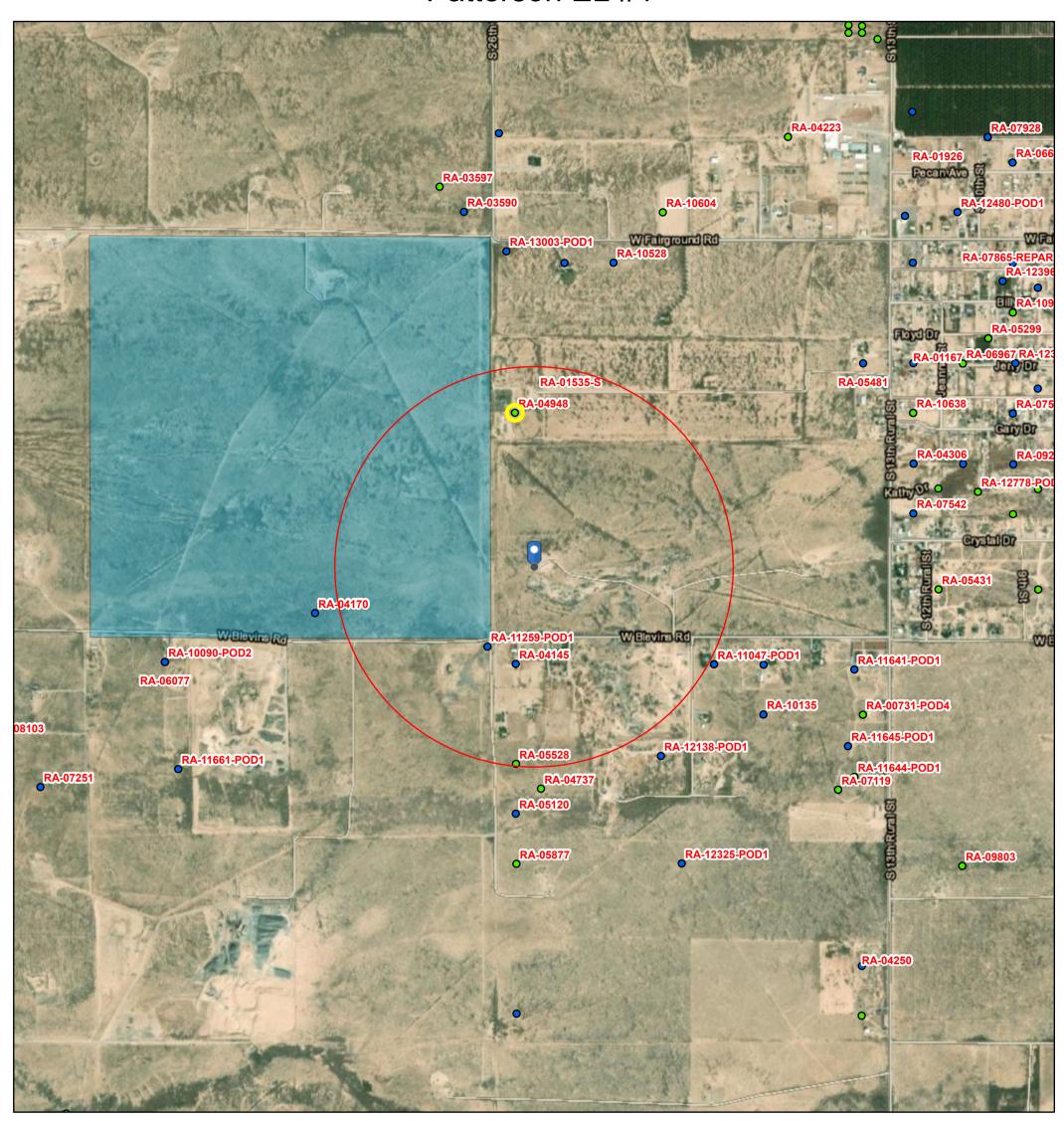
Client: Client: EOG Resources Inc.

Location: Site: Patterson EL #1

Date: (SD: 2/25/22)

Sampling											
				Field Screening				Data Co	ollection		
	Hydro	carbon		C	Chloride						
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
BES22-03	3.0	0	10	0.11	18.6	164			✓	✓	
BES22-04	3.0	0	26	0.12	20.2	109			✓	V	

ATTACHMENT 4



10/18/2021, 11:55:29 AM GIS WATERS PODs

Active

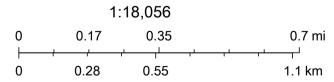
Pending

OSE District Boundary

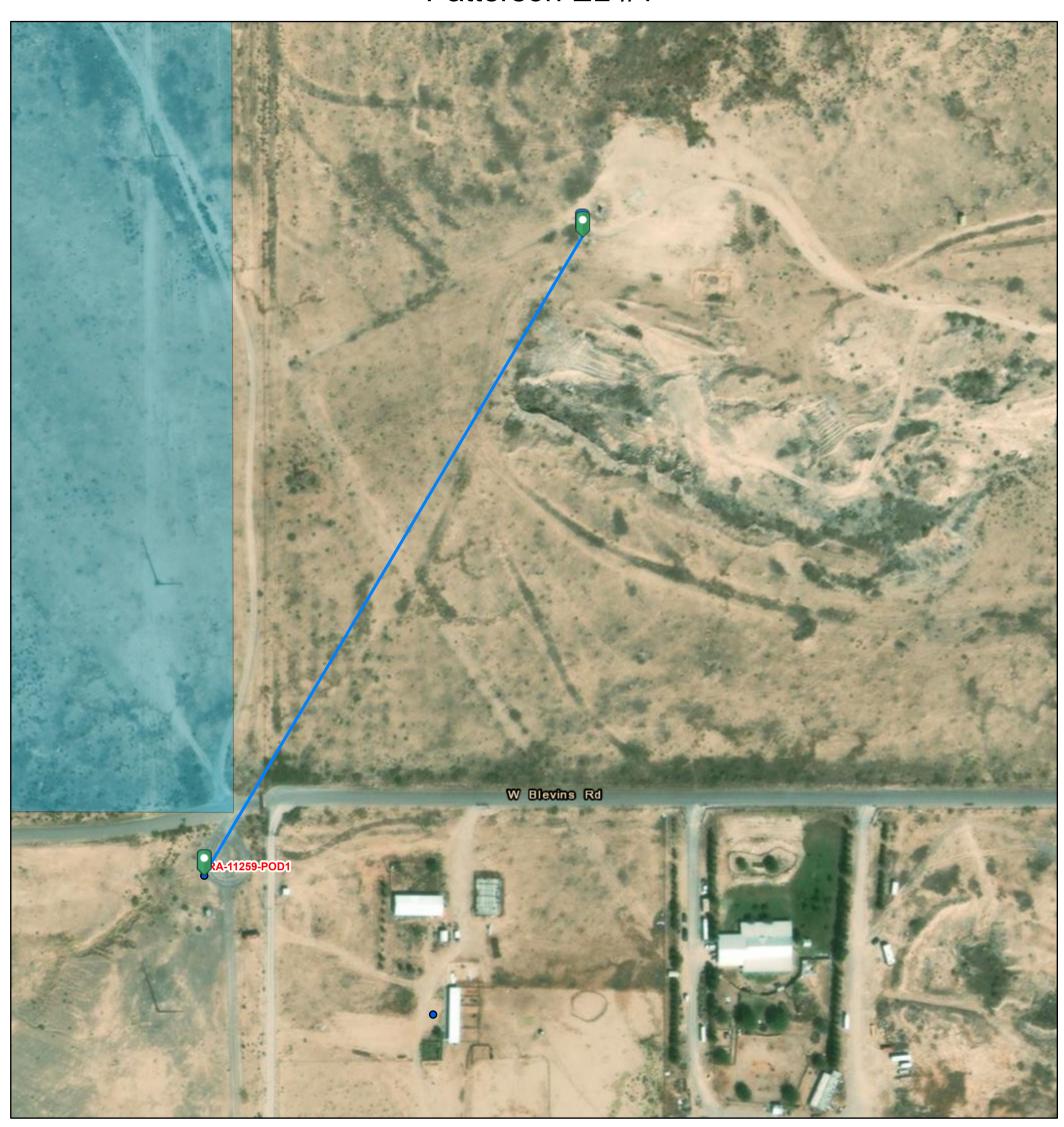
New Mexico State Trust Lands

Both Estates

SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



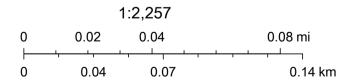
10/18/2021. 12:29:30 PM GIS WATERS PODs

Active

OSE District Boundary

New Mexico State Trust Lands

Both Estates SiteBoundaries



Maxar, Microsoft, Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

SOUTHEAST DRILLING COMPANY

RA 11259 POD1

Q64 Q16 Q4 Sec Tws Rng 01 18S 25E

553377 3627503

1400 **Driller Name:** HAMMOND, MARK

Drill Start Date: 07/01/2008 **Drill Finish Date:**

Driller Company:

07/05/2008

Plug Date:

Source:

Shallow

Log File Date:

Driller License:

03/08/2010

PCW Rcv Date:

Depth Well:

Estimated Yield:

Pump Type: Casing Size:

6.63

Pipe Discharge Size:

Depth Water:

24 GPM 190 feet

Water Bearing Stratifications:

Top Bottom Description

237 feet

190

196 Sandstone/Gravel/Conglomerate

215

230 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

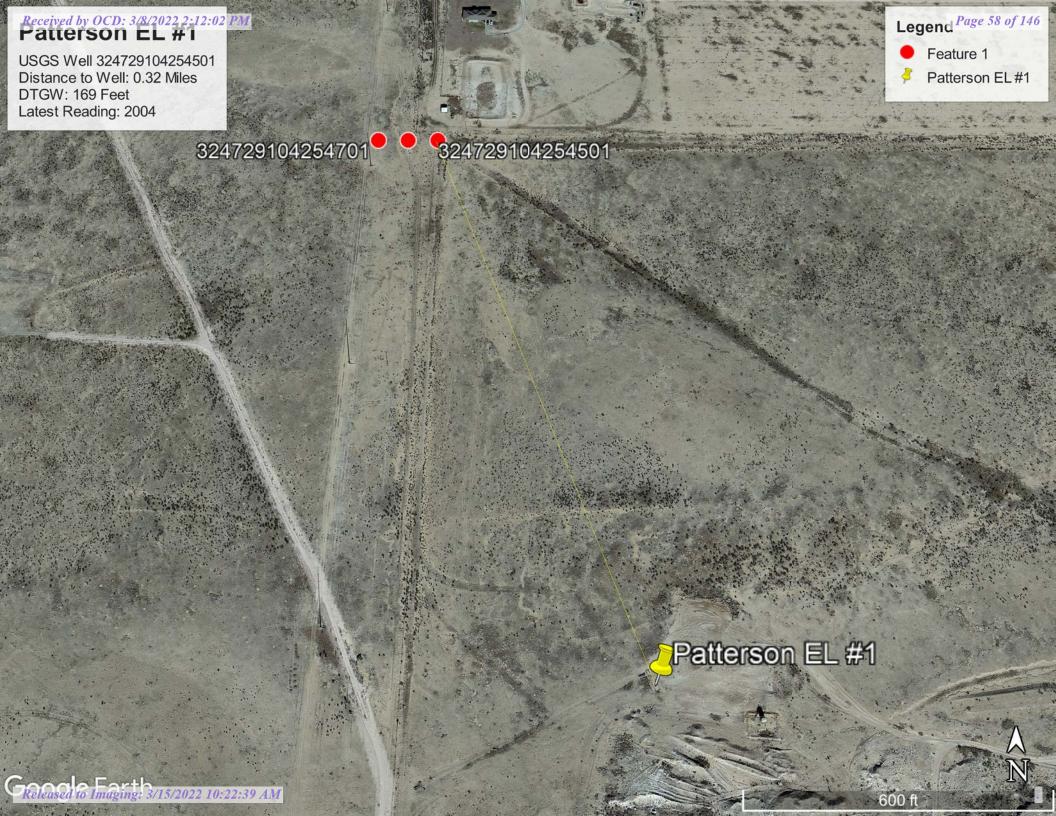
177 237

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

10/18/21 12:28 PM

POINT OF DIVERSION SUMMARY







USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water <u>data</u> from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 324729104254501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324729104254501 17S.26E.31.133334

Available data for this site Groundwater: Field measurements GO Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°47'29", Longitude 104°25'45" NAD27

Land-surface elevation 3,440 feet above NAVD88

The depth of the well is 230 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national

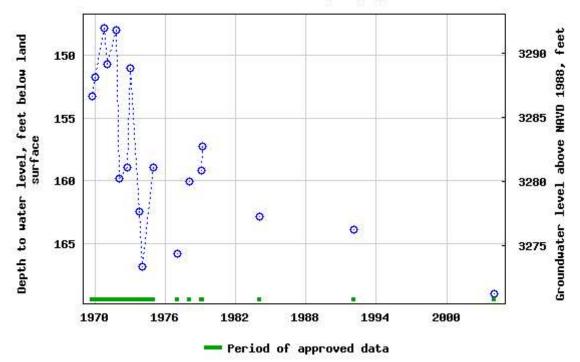
aquifer.

This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

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

USGS 324729104254501 175,26E,31,133334



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

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

Title: Groundwater for USA: Water Levels

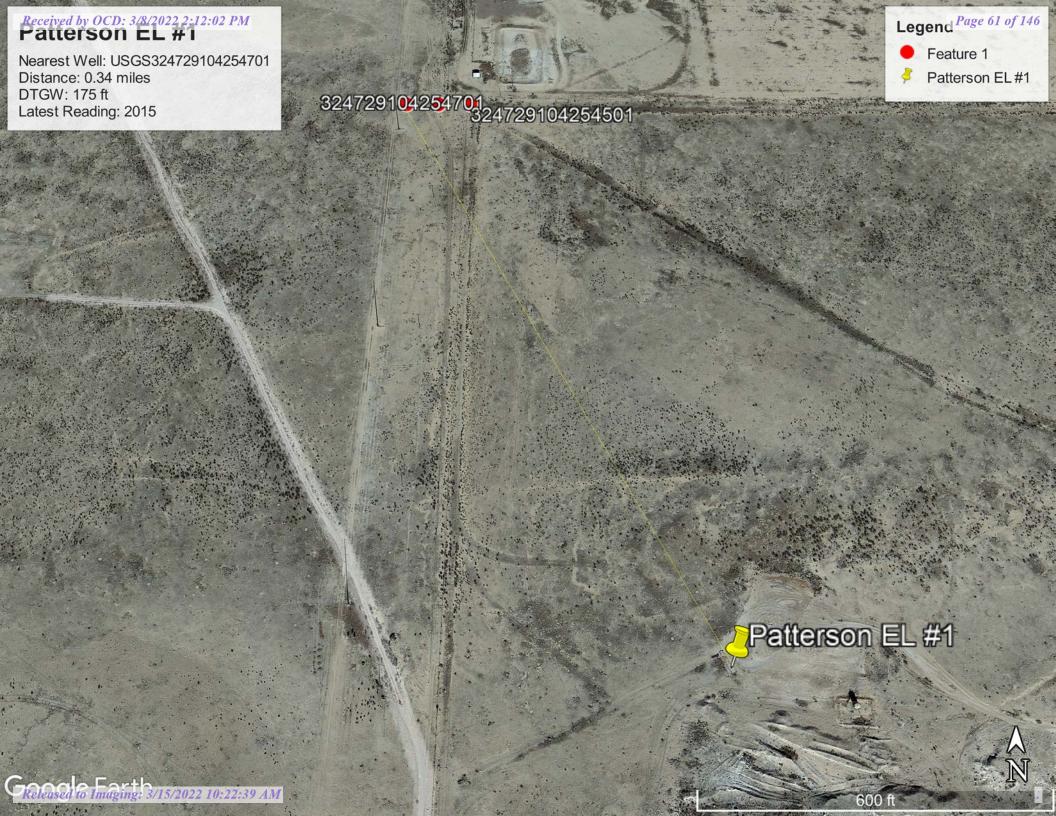
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2021-10-18 13:53:42 EDT

0.58 0.51 nadww01







USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water <u>data</u> from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

• 324729104254701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324729104254701 17S.26E.31.133333

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°47'29", Longitude 104°25'47" NAD27

Land-surface elevation 3,441 feet above NAVD88

The depth of the well is 219 feet below land surface.

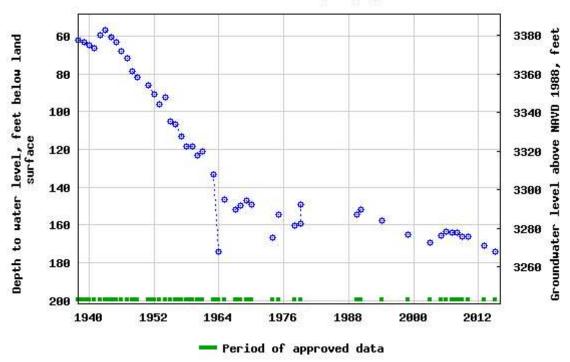
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

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

USGS 324729104254701 175,26E,31,133333



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility

FOIA

Privacy

Policies and Notices

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

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

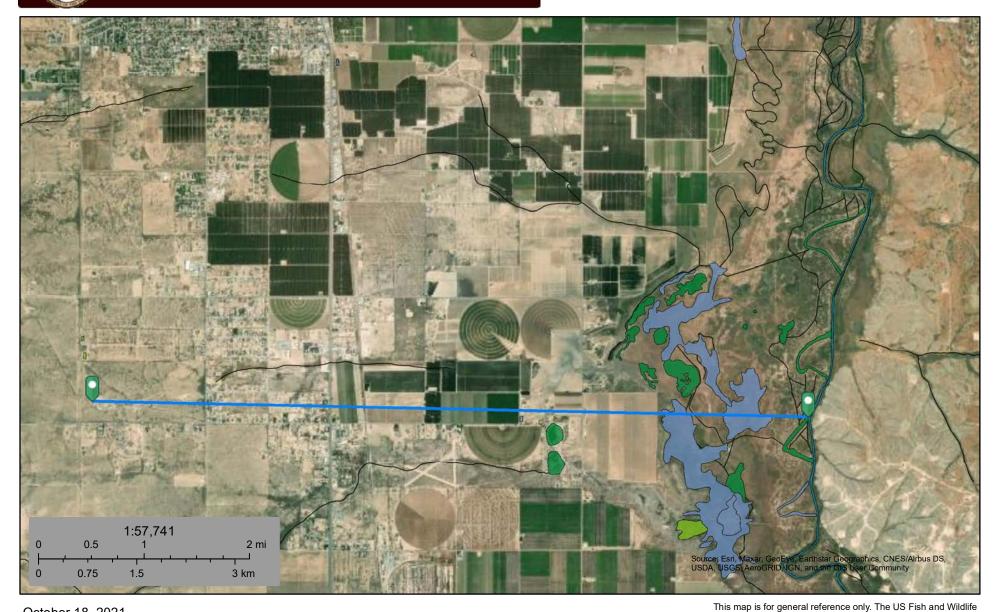
Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2021-10-18 13:58:14 EDT

0.6 0.52 nadww01







October 18, 2021

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

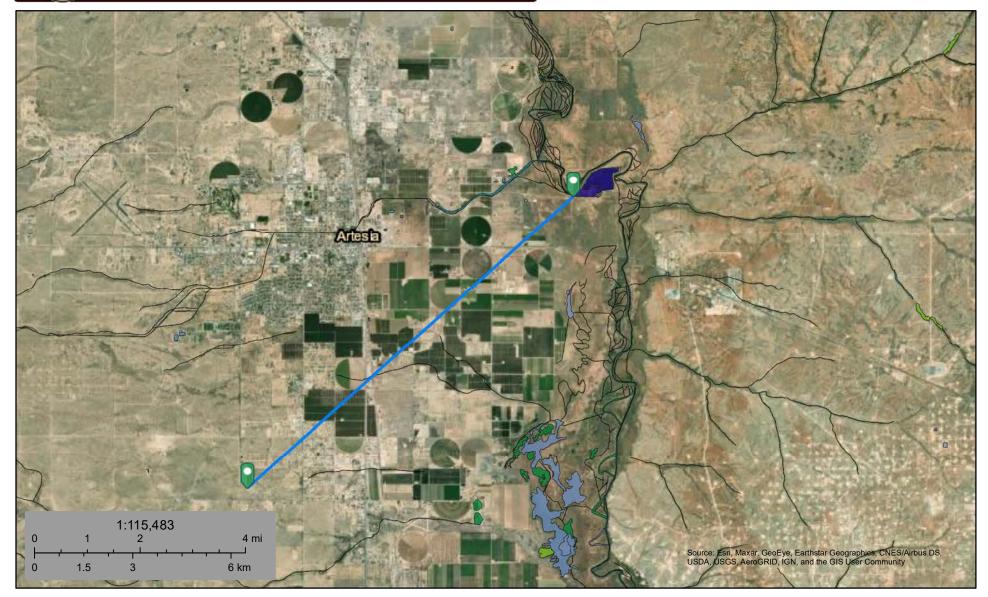
Freshwater Pond



Riverine



Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



October 18, 2021

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond



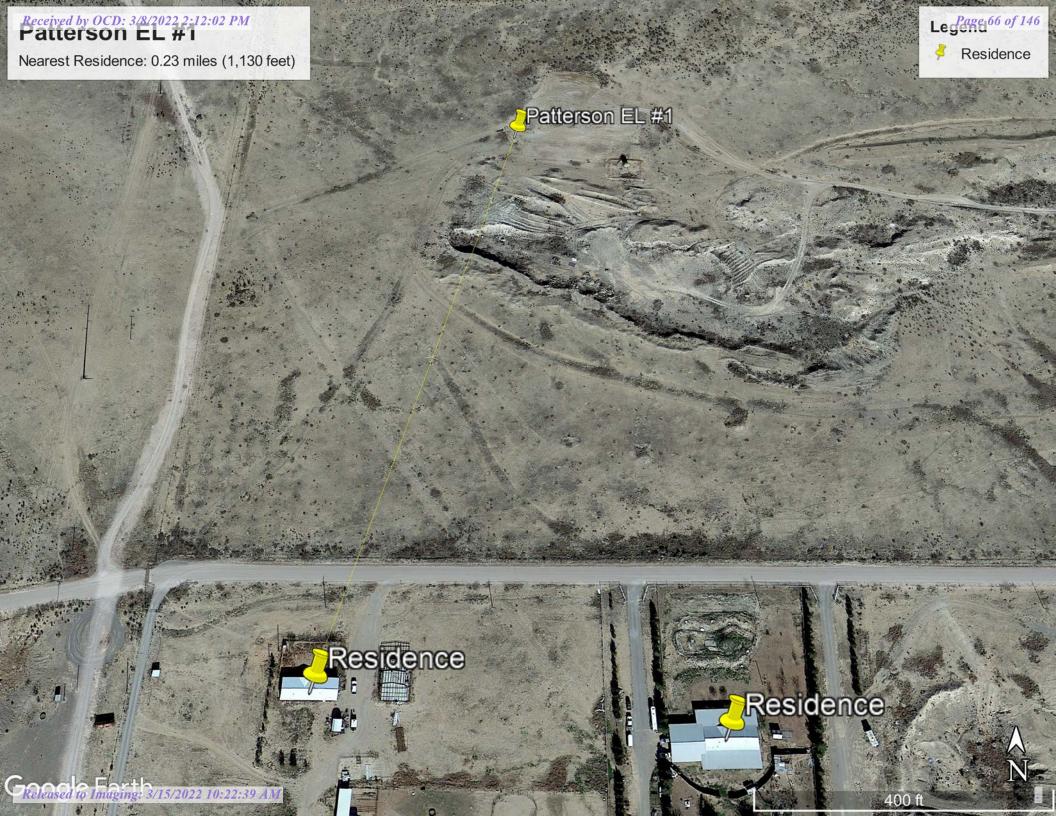
Lake

Riverine





This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Patterson EL #1 Livestock Well



10/18/2021. 2:06:12 PM GIS WATERS PODs

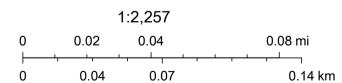
Active

OSE District Boundary

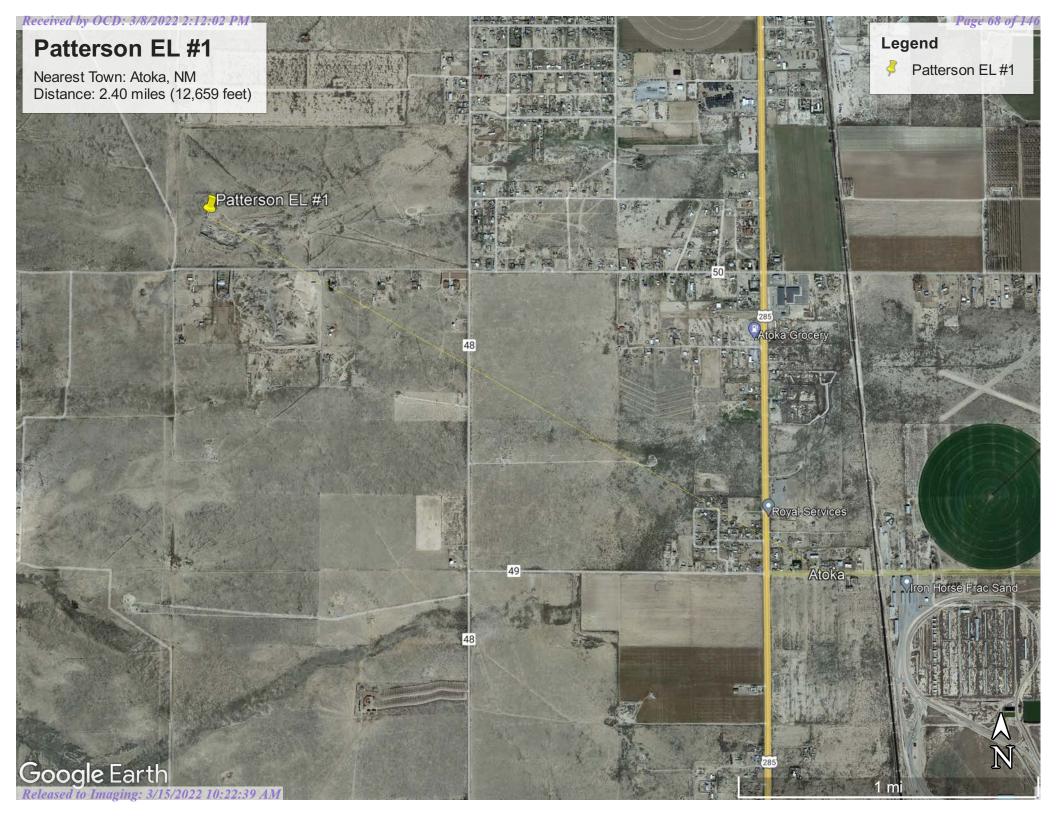
New Mexico State Trust Lands

Both Estates

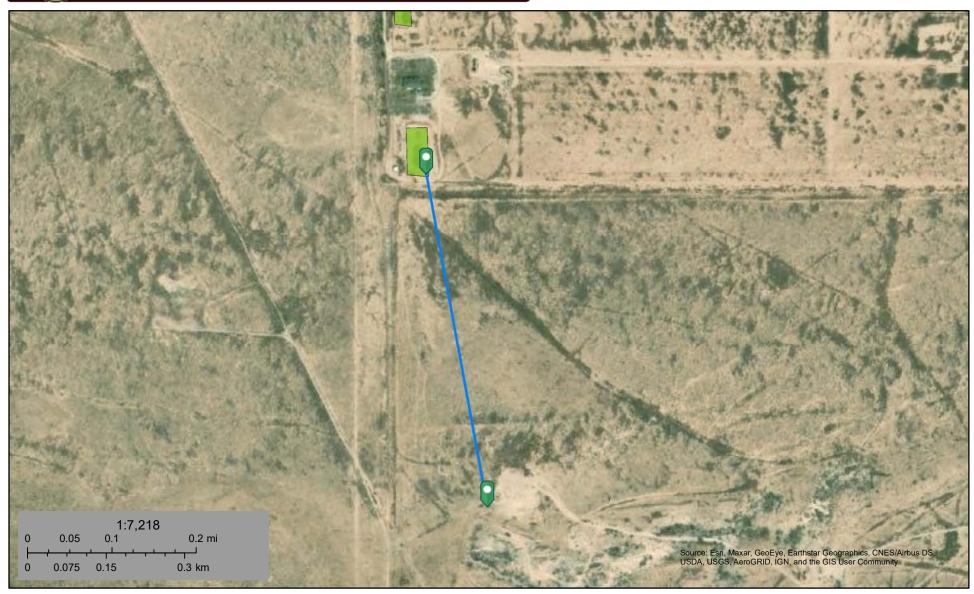
SiteBoundaries



Maxar, Microsoft, Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC







October 18, 2021

Wetlands

Estuarine and Marine Deepwater

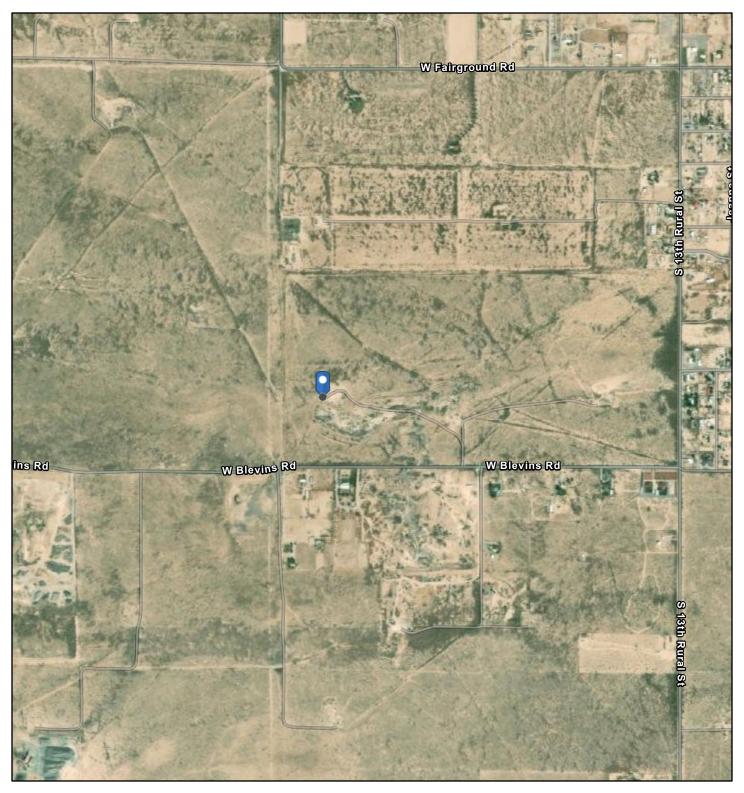
Estuarine and Marine Wetland

Freshwater Emergent Wetland

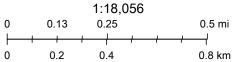
Lake

Freshwater Forested/Shrub Wetland Other Freshwater Pond Riverine

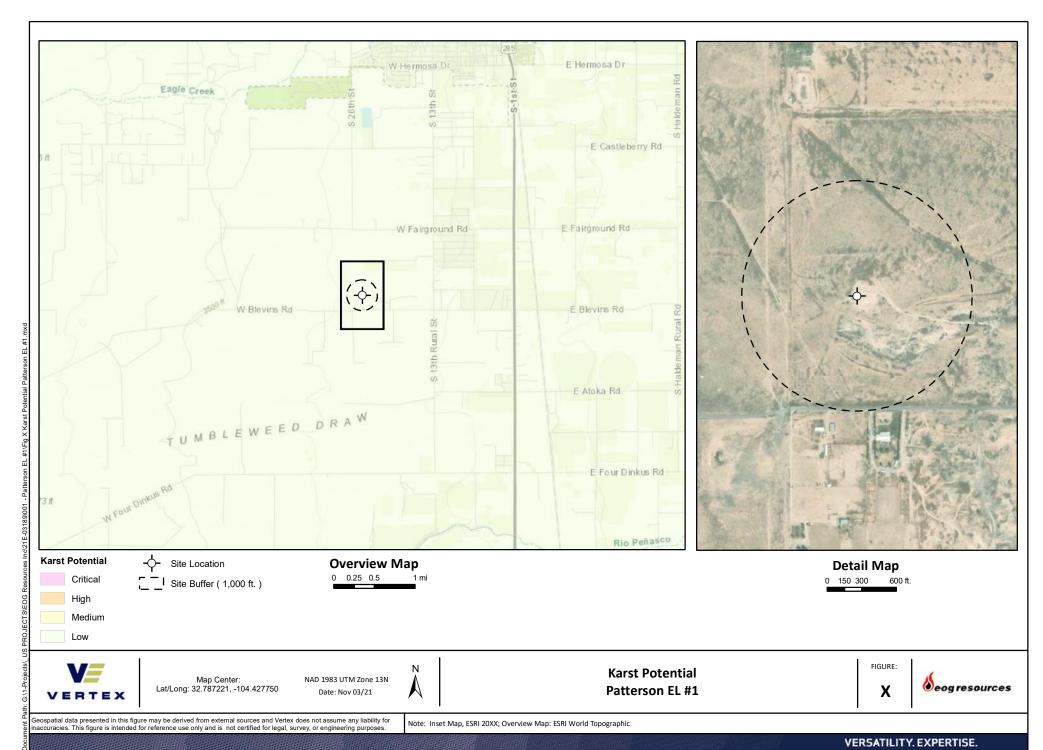
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



11/15/2021, 1:04:03 PM



Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/ NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar



National Flood Hazard Layer FIRMette



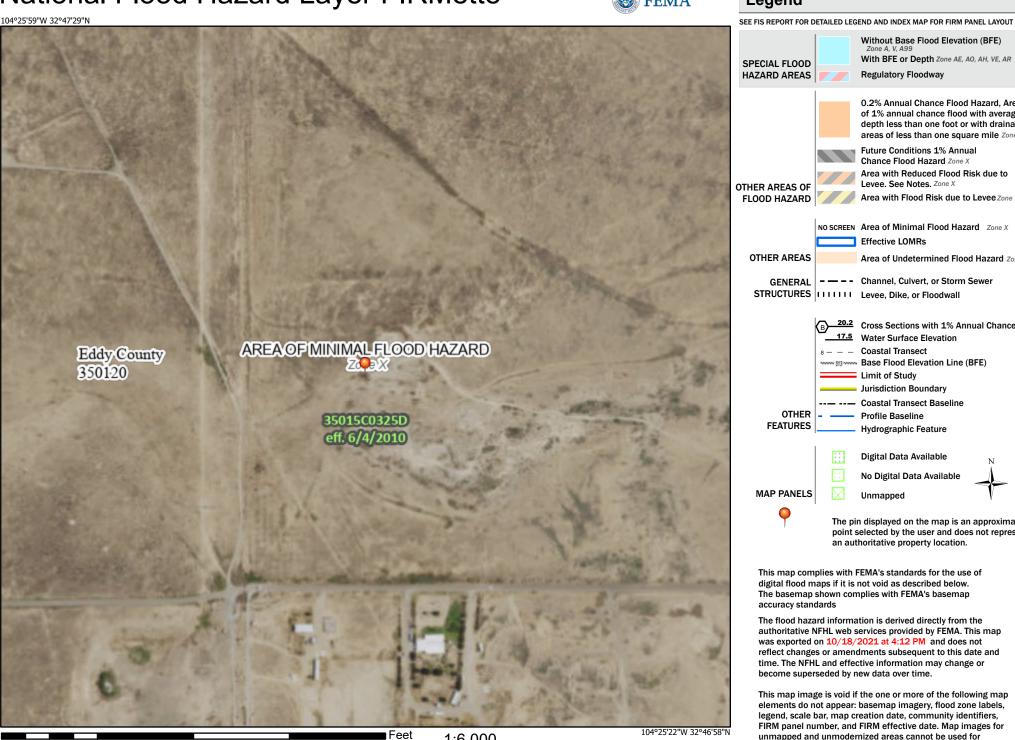


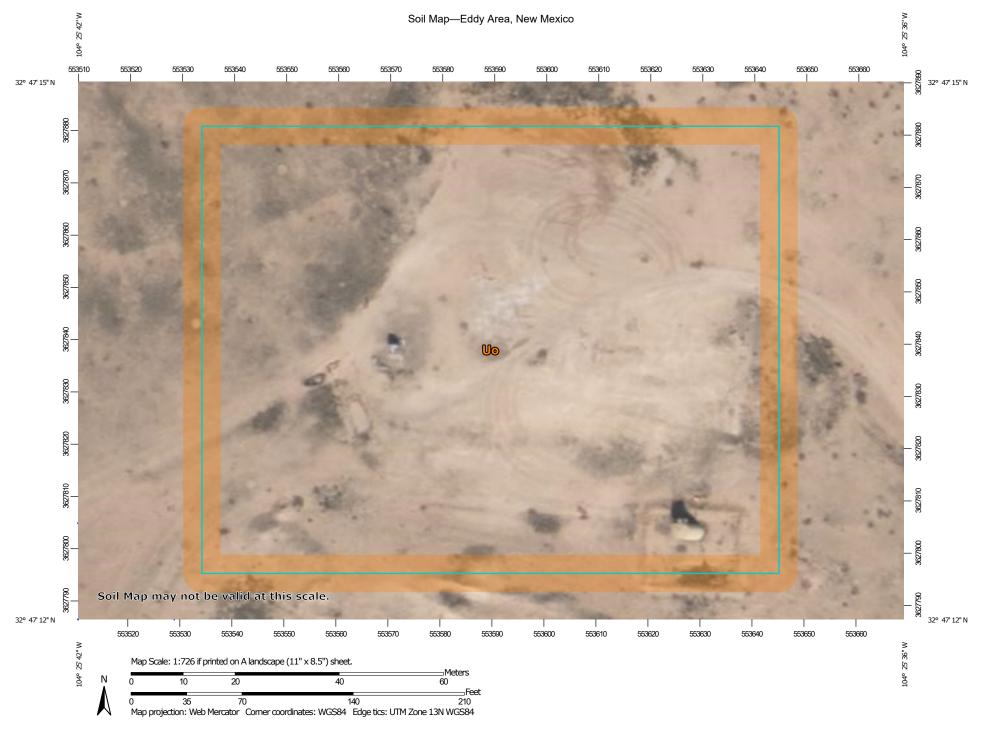
Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER Profile Baseline **FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/18/2021 at 4:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





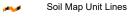
MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

... Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

+ Saline Spot

Sandy Spot

Severely Eroded Spot

Slide or Slip

Sinkhole

Sodic Spot

Stony Spot

Very Stony Spot

Spoil Area

Wet Spot

Other

Special Line Features

Water Features

Δ

Streams and Canals

Transportation

HH Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 17, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Uo	Upton gravelly loam, 0 to 9 percent slopes	2.4	100.0%
Totals for Area of Interest		2.4	100.0%

Eddy Area, New Mexico

Uo—Upton gravelly loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w67 Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent *Minor components:* 4 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Upton

Setting

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented

H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

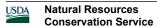
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s



Hydrologic Soil Group: D

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

Atoka

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 17, Sep 12, 2021

Ecological Reference Worksheet

Author(s) / participant(s):	John T	unberg	g, Garth Grizzle			
Contact f	for lead author	:	505-76	51-448	8		Reference site used? Yes/No	No
Date:	2/17/2010	Ml	LRA:	42.3	Ecological Site:	Shallow	This <u>must</u> be verified based on so	ils
and clima	te (see Ecologica	al Sit	e Desc	ription). Current plant con	nmunity <u>cannot</u>	be used to identify the ecological site.	

<u>Indicators:</u> For each indicator, describe the potential for the site. Where possible, (1) use numbers, (2) include expected range of values for above and below average years for <u>each</u> community within the reference state, when appropriate & (3) site data. Continue description on separate sheet.

- 1. Number and extent of rills There should not be any rills on this site at 5% or less slope. Few on slopes from 5 to 15% After wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances rills may double in number on steeper slopes at the margins of this site after high-intensity summer thunderstorms. Any rills formed should not be long lived or interconnected and should heal rapidly.
- 2. Presence of water flow patterns: Large storms can produce short, less than 1 meter flow patterns across the bare patches.

None or few on less than 5% slopes. Few to several on slopes ranging from 5% to 15%. Flow pattern length of 6 to 8 feet on steeper slopes. Water flow patterns should only be present following intense storm events on upper slope limits at the margins of this site. Numerous obstructions alter flow paths. Flow pattern length and numbers may double after wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances.

3. Number and height of erosional pedestals or terracettes: There should not be any pedestals and terracettes should be rare.

If present plant or rock pedestals and terracettes are almost always in flow patterns. Wind caused pedestals are rare and only would be on the site following after wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances. These would show signs of healing within 1 year after event.

4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):

Bare ground can range from 40 to 60% with bare patches less than 8 inches in size. Discontinuous. Cobble and stones up to 25%.

There should not be any gullies or erosion associated with gullies on this site at

5. Number of gullies and erosion associated with gullies: slopes less than 8%.

Slopes over 8% may have limited gully erosion. Natural drainages with little to no active cutting are common on this site. There should not be any accelerated erosion. After high-intensity summer thunderstorms or after wildfire, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances then gully formation would be accelerated for a year or two. Evidence of healing within 1 year of event and continuing after that.

6. Extent of wind scoured, blowouts and/or depositional area

Wind scoured, blowouts and/or depositional areas should be rare and associated with disturbances (e.g. small mammal burrows, resting areas). Wind erosion is minimal when the site is in a well vegetated condition. Significant wind erosion would only be present following high-intensity summer thunderstorms, after wildfire, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances. After rain events, exposed soil surfaces form physical crusts that tend to reduce wind erosion. Deposition from off site sources can be common on this site and is in fact a primary soil forming process. This site is succeptable to wind erosion when vegetation is removed or significantly decreased.

7. Amount of litter movement (describe size and distance expected to travel):

The size of the litter (grass litter) should be small and its movement should be less than 1 meter across bare patches.

8. Soil surface (top few mm) resistance to erosion (stability) values are averages - most sites will show a range of values for both plant canopy and interspaces, if different):

Stability values are estimated to be 5 to 6 in plant canopy at surface and subsurface. 4 to 5 valus will be in interspaces at surface and subsurface.

9. Soil surface structures and SOM content (include type and strength of structure, and A-horizon color and thickness for both plant canopy and interspaces, if different):

Surface layer is brown 0 to 3 " thick. Color is dark grey brown, brown and grey brown. Soil loss from human and high herbivor impact or extended drought will result in the loss of a portion of the surface horizon. Physical crust will occure on "baked" soils. Textures are loam and gravelly loam.

10. Effect of plant community composition (relative proportion of different functional groups) & spatial distribution on infiltration & runoff:

In a grassland with uniformly distributed grass patches on coarse-textured soils, runoff should be low to nil. Most water infiltrates at the plant bases as well as in the interspaces.

11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction): There should not be any compaction layers on this site.

There are soil profile features in the top 9 inches of the soil profile that would be mistaken for a management induced soil compaction layer. Management induced compaction layers will be more difficult to penetrate than clay lenses.

12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much

Dominants: Black grama > Subdominants: Short-lived perennial C4 bunchgrasses [blue grama and sideoats grama] > Long-lived perennial C4 midgrasses > shrubs > forbs

13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):

Short-lived perennial component can exhibit significant mortality in drought, black grama tends to exhibit mortality only when exposed to drought in addition to other stressors. Shrubs/yucca should exhibit low mortality rates.

14. Average percent litter cover (_____%) and depth (____inches).

5 to 8% litter cover on this site. Well distributed. Depth of 1/2 inch.

15. Expected annual production (this is TOTAL above-ground production, not just forage production):

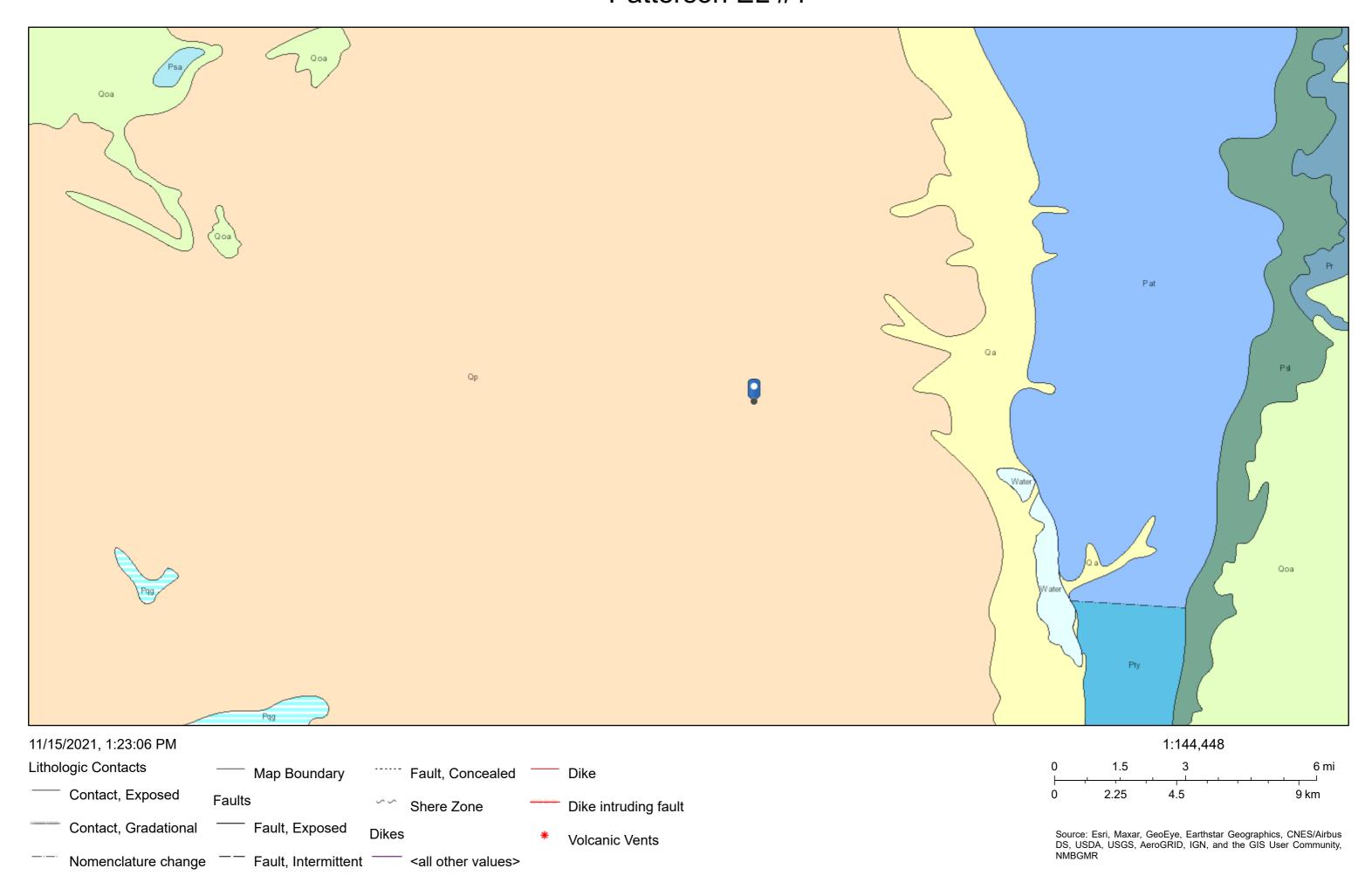
(Low Production 251 lbs./ac.) (Average RV Production 525 lbs./ac.) (High Production 800 lbs./ac.) After wildfires, high herbivore impacts, extended drought, or combinations of these disturbances, can cause production to be significantly reduced (100-200 lbs per ac. the first growing season following a wildfire) and recover slowly under below average precipitation regimes.

16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do, continue to increase regardless of the management of the site and may eventually dominate

Mesquite, whitethorn and creosotebush (where gravel content high) can be invaders of this site. Invasive plants should not occur in reference plant community. However, lovegrass, Russian thistle, kochia, and other nonnative annuals may initially invade following extended disturbance. Mesquite and whitethorn and creosote and lovegrass are the greatest threat to dominate this site in the long term after disturbance (primarily following wildfire exclusion but also includes high human or herbivore impacts and extended drought). Mesquite and whitethorn and creosote and lovegrass are most likely to retain dominance if allowed to alter natural fire regime (this alteration may require poor land management combined with years of wet winter-spring; dry summer-fall conditions). Any of these invaded communities represent a departure from the reference state.

17. Perennial plant reproductive capability:

Black grama reproduces by seed sporadically and reproduction by tiller and stolon can be common. The dropseeds should have high reproductive potential and rapidly recover from drought in the absence of additional stresses (grazing).



ATTACHMENT 5

Client Name: EOG Y Resources, Inc. Site Name: Patterson EL #1

NM OCD Tracking #: nAPP21335591

Project #: 21E-03819-01 Lab Report: E110138

	Table 2.	Initial Characteria	zation San	nple Field S	Screen an	d Laborato	ory Results	s - Depth t	o Ground	water 51-1	00 feet bខ្	gs	
!	Sample Descrip	otion	Fi	eld Screeni	ng	Petroleum Hydrocarbons							
			ş			Vol	atile			Extractable	!		Inorgani
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	ВТЕХ (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH21-01	0	10/25/2021	0	-	0	ND	ND	ND	26.3	114	26.3	140.3	ND
BH21-01	1	10/25/2021	0	77	21	ND	ND	ND	ND	ND	ND	ND	ND
BH21-02	0	10/25/2021	0	-	73	ND	ND	ND	ND	ND	ND	ND	ND
BH21-02	1	10/25/2021	0	26	135	ND	ND	ND	ND	ND	ND	ND	ND
BH21-03	0	10/25/2021	0	-	25	ND	ND	ND	ND	169	ND	169	ND
BH21-03	1	10/25/2021	0	98	203	ND	ND	ND	ND	65.3	ND	65.3	ND
BH21-04	0	10/25/2021	0	-	25	ND	ND	ND	793	3240	793	4033	ND
BH21-04	1	10/25/2021	0	66	37	ND	ND	ND	ND	ND	ND	ND	ND
BH21-05	0	10/25/2021	9	-	0	ND	ND	ND	8480	29600	8480	38080	ND
BH21-05	1	10/25/2021	5	595	57	ND	ND	ND	228	768	228	996	ND
BH21-05	2	10/25/2021	1	74	164	ND	ND	ND	62.3	231	62.3	293.3	ND
BH21-06	0	10/25/2021	2	-	304	ND	ND	ND	ND	ND	ND	ND	21
BH21-06	1	10/25/2021	0	24	393	ND	ND	ND	ND	ND	ND	ND	41.1

[&]quot;ND" Not Detected at the Reporting Limit

Bold and grey shaded indicates exceedance outside of NM OCD Closure Criteria (on-pad)

Bold and green shaded indicates exceedance outside of NM OCD Reclamation Criteria (off-pad)



[&]quot;-" indicates not analyzed/assessed

Client Name: EOG Y Resources, Inc.

Site Name: Patterson EL #1

NMOCD Tracking #: nAPP213355991

Project #: 21E-03819-01 Lab Reports: E111121 , E203002

	Table 3.	Confirmatory Sa	mple Field	Screen ar	nd Laborat	tory Resul	ts - Depth	to Ground	dwater >1	00 feet bg	s	
9	Sample Descrip	otion	Fi	Field Screening Petroleum Hydrocarbons								
			s			Vol	atile		Extra	ctable		Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS21-01	3	11/16/2021	0	23	161	ND	ND	ND	ND	ND	ND	ND
BS21-02	2	11/16/2021	0	2	147	ND	ND	ND	ND	ND	ND	ND
BS21-03	2	11/16/2021	0	20	119	ND	ND	ND	36.7	138	174.7	ND
BS22-03	3	2/25/2022	0	10	164	ND	ND	ND	ND	ND	ND	23.3
BS21-04	2	11/16/2021	0	16	124	ND	ND	ND	121	349	470	ND
BS22-04	3	2/25/2022	0	26	109	ND	ND	ND	ND	ND	ND	ND
WS21-01	0-3	11/16/2021	0	32	109	ND	ND	ND	ND	ND	ND	ND
WS21-02	0-2	11/16/2021	0	30	129	ND	ND	ND	ND	ND	ND	456
WS21-03	0-2	11/16/2021	0	82	105	ND	ND	ND	ND	ND	ND	ND
WS21-04	0-2	11/16/2021	0	78	138	ND	ND	ND	ND	ND	ND	ND

[&]quot;ND" Not Detected at the Reporting Limit

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

Bold and green shaded indicates samples recollected and below criteria (on-pad)



[&]quot;-" indicates not analyzed/assessed

ATTACHMENT 6

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us >

Sent: Wednesday, December 1, 2021 8:57 AM **To:** Bob Asher < Bob Asher@eogresources.com >

Subject: RE: [EXTERNAL] Patterson EL #1 Sample Results

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Bob,

In the future, make sure the OCD receives all sampling notifications at least 48 hours prior. Please, include sampling results in closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us



From: Bob Asher < Bob Asher@eogresources.com > Sent: Wednesday, December 1, 2021 8:34 AM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Subject: [EXTERNAL] Patterson EL #1 Sample Results

Importance: High

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

Rob,

Good morning, attached are sample results from historical contamination discovered after the above well was plugged/equipment removed. The 'Confirmation Table' was a final sampling, but we did not submit a 48 Hour Notification to you before the samples were collected.

EOG would like to request if you would accept the confirmation table results with a submitted Closure Request?

Please let me know if this will be acceptable.

Thank you,

Robert Asher

Environmental Supervisor, S & E Department, EOG Resources, Inc. Artesia Division, 104 South Fourth Street, Artesia, NM 88210, 575-748-4217 (Office), 575-365-4021 (Cell)

EOG Safety Begins with YOUR Safety

eog resources

Monica Peppin

From: Bob Asher <Bob_Asher@eogresources.com>
Sent: Wednesday, February 23, 2022 8:20 AM

To: Monica Peppin

Cc: Dennis Williams; Michael Moffitt

Subject: FW: Patterson EL 1 (nAPP2131355991) Sampling Notification

Importance: High

Sampling notification sent.

Thank you,

Robert Asher

Environmental Supervisor, S & E Department, EOG Resources, Inc. Artesia Division, 104 South Fourth Street, Artesia, NM 88210, 575-748-4217 (Office), 575-365-4021 (Cell)

EOG Safety Begins with YOUR Safety



From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Wednesday, February 23, 2022 8:18 AM

To: Robert.Hamlet@state.nm.us

Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase Settle@eogresources.com>; Katie Jamison <Katie Jamison@eogresources.com>; Yvette Moore

<Yvette Moore@eogresources.com>

Subject: Patterson EL 1 (nAPP2131355991) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below site.

Patterson EL 1 Section 31-17S-R26E Eddy County, NM nAPP2131355991

Sampling will begin at 9:00 a.m. on Friday, February 25, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



ATTACHMENT 7

Report to:
Dennis Williams



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources Inc. - Carlsbad

Project Name: Patterson EL #1

Work Order: E110138

Job Number: 19034-0001

Received: 10/27/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/2/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/2/21

Dennis Williams 104 South 4th Street Artesia, NM 88210

Project Name: Patterson EL #1

Workorder: E110138

Date Received: 10/27/2021 10:30:00AM

Dennis Williams,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2021 10:30:00AM, under the Project Name: Patterson EL #1.

The analytical test results summarized in this report with the Project Name: Patterson EL #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH21-01 0'	5
BH21-01 1'	6
BH21-02 0'	7
BH21-02 1'	8
BH21-03 0'	9
BH21-03 1'	10
BH21-04 0'	11
BH21-04 1'	12
BH21-05 0'	13
BH21-05 1'	14
BH21-05 2'	15
BH21-06 0	16
BH21-06 1'	17
QC Summary Data	18
QC - Volatile Organics by EPA 8021B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody atc	23

Sample Summary

EOG Resources Inc Carlsbad	Project Name:	Patterson EL#1	Donoutoda
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/02/21 15:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH21-01 0'	E110138-01A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-01 1'	E110138-02A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-02 0'	E110138-03A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-02 1'	E110138-04A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-03 0'	E110138-05A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-03 1'	E110138-06A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-04 0'	E110138-07A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-04 1'	E110138-08A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-05 0'	E110138-09A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-05 1'	E110138-10A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-05 2'	E110138-11A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-06 0	E110138-12A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.
BH21-06 1'	E110138-13A	Soil	10/25/21	10/27/21	Glass Jar, 4 oz.



EOG Resou	rces Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4	th Street	Project Number:	19034-0001	Reported:
Artesia NM	, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-01 0' E110138-01

		E110130-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	26.3	25.0	1	10/28/21	10/29/21	
Oil Range Organics (C28-C36)	114	50.0	1	10/28/21	10/29/21	
Surrogate: n-Nonane		109 %	50-200	10/28/21	10/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-01 1' E110138-02

		E110138-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyee	resuit	Emit	Bitation	Trepured	7 mary zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/21	10/29/21	
Surrogate: n-Nonane		87.4 %	50-200	10/28/21	10/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-02 0'

		E110138-03				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/29/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/21	10/29/21	
Surrogate: n-Nonane		86.8 %	50-200	10/28/21	10/29/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-02 1' E110138-04

		E110138-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
. Illusy e	resur	2		*	11111111111111111	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		82.0 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-03 0' E110138-05

		E110136-03				
Analysis	Result	Reporting Limit	Dilution	D	A lama d	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
o,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	169	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		125 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-03 1' E110138-06

		E110138-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	65.3	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		126 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-04 0' E110138-07

		E110138-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyee	resur	Emit	Bitation	Trepured	7 Hary Zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	793	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	3240	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		114 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-04 1' E110138-08

		E110130-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyte	Result	Liiiit	Dilution	Trepared	Maryzea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	11/01/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/21	11/01/21	
Surrogate: n-Nonane		116 %	50-200	10/28/21	11/01/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-05 0' E110138-09

		E110138-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyte	Result	Liiiit	Dilution	Trepared	Maryzea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2144062
Diesel Range Organics (C10-C28)	8480	2500	100	10/28/21	11/01/21	
Oil Range Organics (C28-C36)	29600	5000	100	10/28/21	11/01/21	
Surrogate: n-Nonane		142 %	50-200	10/28/21	11/01/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-05 1' E110138-10

		E110130-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Maryee	Result	Liiiit	Dilution	Trepared	Maryzed	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2144062
Diesel Range Organics (C10-C28)	228	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	768	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		117 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	·



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-05 2'

		E110138-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	62.3	25.0	1	10/28/21	11/01/21	_
Oil Range Organics (C28-C36)	231	50.0	1	10/28/21	11/01/21	
Surrogate: n-Nonane		105 %	50-200	10/28/21	11/01/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2144055
Chloride	ND	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-06 0 E110138-12

		E110130-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		120 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2144055
Chloride	21.0	20.0	1	10/28/21	11/01/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

BH21-06 1' E110138-13

		E110136-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2144052
Benzene	ND	0.0250	1	10/28/21	10/30/21	
Ethylbenzene	ND	0.0250	1	10/28/21	10/30/21	
Toluene	ND	0.0250	1	10/28/21	10/30/21	
o-Xylene	ND	0.0250	1	10/28/21	10/30/21	
p,m-Xylene	ND	0.0500	1	10/28/21	10/30/21	
Total Xylenes	ND	0.0250	1	10/28/21	10/30/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2144052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/21	10/30/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	10/28/21	10/30/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: JL		Batch: 2144062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/21	10/30/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/21	10/30/21	
Surrogate: n-Nonane		54.3 %	50-200	10/28/21	10/30/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2144055
Chloride	41.1	20.0	1	10/28/21	11/01/21	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	Reported:
104 South 4th Street	Project Number:	19034-0001	•
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

Artesia NM, 88210		Project Manager:	De	ennis Williams	S				11/2/2021 3:35:32PM
Volatile Organics by EPA 8021B Analyst: RKS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2144052-BLK1)							Prepared: 1	0/28/21	Analyzed: 10/30/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			
LCS (2144052-BS1)							Prepared: 1	0/28/21	Analyzed: 10/30/21
Benzene	4.45	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.5	70-130			
Toluene	4.89	0.0250	5.00		97.8	70-130			
o-Xylene	4.77	0.0250	5.00		95.4	70-130			
o,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			
LCS Dup (2144052-BSD1)							Prepared: 1	0/28/21	Analyzed: 10/30/21
Benzene	4.56	0.0250	5.00		91.1	70-130	2.30	20	
Ethylbenzene	4.92	0.0250	5.00		98.5	70-130	2.03	20	
Toluene	5.00	0.0250	5.00		100	70-130	2.20	20	
-Xylene	4.86	0.0250	5.00		97.2	70-130	1.86	20	
o,m-Xylene	10.0	0.0500	10.0		100	70-130	2.03	20	
Total Xylenes	14.9	0.0250	15.0		99.1	70-130	1.97	20	

70-130



QC Summary Data

EOG Resources Inc Carlsbad 104 South 4th Street	Project Name: Project Number:	Patterson EL #1 19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

Artesia NM, 88210		Project Manage	r: De	ennis William	S				11/2/2021 3:35:32PM
	Nonhalogenated Organics by EPA 8015D - GRO						Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2144052-BLK1)							Prepared: 1	0/28/21	Analyzed: 10/30/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		8.00		104	70-130			
LCS (2144052-BS2)							Prepared: 1	0/28/21	Analyzed: 10/30/21
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			
LCS Dup (2144052-BSD2)							Prepared: 1	0/28/21	Analyzed: 10/30/21
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130	1.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.66		8.00		108	70-130			

QC Summary Data

EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	Reported:
104 South 4th Street	Project Number:	19034-0001	•
Artesia NM, 88210	Project Manager:	Dennis Williams	11/2/2021 3:35:32PM

Artesia NM, 88210		Project Manager	r: De	nnıs Wıllıam	S				11/2/2021 3:35:32PM	
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	ORO			Analyst: JL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2144062-BLK1)							Prepared: 1	0/28/21	Analyzed: 10/29/21	
riesel Range Organics (C10-C28)	ND	25.0								
ril Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	57.6		50.0		115	50-200				
.CS (2144062-BS1)							Prepared: 1	0/28/21	Analyzed: 10/29/21	
riesel Range Organics (C10-C28)	520	25.0	500		104	38-132				
urrogate: n-Nonane	56.6		50.0		113	50-200				
Aatrix Spike (2144062-MS1)				Source:	Source: E110138-01			Prepared: 10/28/21 Analyzed: 10/29/21		
tiesel Range Organics (C10-C28)	539	25.0	500	26.3	103	38-132				
urrogate: n-Nonane	55.6		50.0		111	50-200				
Matrix Spike Dup (2144062-MSD1)				Source:	E110138-0)1	Prepared: 1	0/28/21	Analyzed: 10/29/21	
tiesel Range Organics (C10-C28)	565	25.0	500	26.3	108	38-132	4.63	20		
urrogate: n-Nonane	62.0		50.0		124	50-200				

EOG Resources Inc Carlsbad 104 South 4th Street		Project Name: Project Number		Patterson EL #1					Reported:
Artesia NM, 88210		Project Manager		Dennis William	s				11/2/2021 3:35:32PM
		Anions	by EPA	300.0/9056	\				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2144055-BLK1)							Prepared: 10	0/28/21 A	nalyzed: 11/01/21
Chloride	ND	20.0							
LCS (2144055-BS1)							Prepared: 10	0/28/21 A	nalyzed: 11/01/21
Chloride	246	20.0	250		98.5	90-110			
LCS Dup (2144055-BSD1)							Prepared: 10	0/28/21 A	nalyzed: 11/01/21
Chloride	248	20.0	250		99.0	90-110	0.522	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

-	EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
-	104 South 4th Street	Project Number:	19034-0001	Reported:
	Artesia NM, 88210	Project Manager:	Dennis Williams	11/02/21 15:35

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



25
ō
23
Φ
Ö
ď

Received by OCD: 3/8/2022 2:12:02 PM

Client: EOG Bob Ash	U		RUSH?	/	b Use Only			Anal	sis an	d Meth	od	lab Only
Project: Postuson EL #1			1d		Lab WO#							Z
Sampler: MJP			3d	PEI	10138					-		(s)
Phone: on File				Jo	b Number	015			0 1			Number ht/Prsrv
Email(s): on File				1903	1000-H	by 8	021	8.1	by 300.	김		ont/
Project Manager: Danis Williams			Pag		2 2513	280	by 8(y 41	g G	.1 1		t Cc
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	:5		Lab Number Correct Cont/Prsrv (s) Y/N
BH2+01 0'	16/25	8:00	50:1	402	_							1
BH2+01 1')	8:10										2
BH21-02 01		8:12										3
BH2102 1'		8:95										4
BH21-03 0'		8:30										5
BH21-03 11		8:40										0
BH21-04 0'		8:45										7
BH21-04 1'		8:55										8
BH21-05 0'		9:06										7
BH21-05 1'		9:10										10
Relinquished by: (Signature) Date Time 1004 11:00	Received	by: (Signati	L-	Date 10.24.21	Time // <i>0</i> 0 **I	Recei	ved o	on Ice		lse On	ly	
Relinquished by: (Signature) Date Time 10.26.21 16.50	Received	by tsignati	ure	102701	Time T1			, 7			T3	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	()		1		Container Type: g				lastic,	ag - ar	nber glass, v - \	/OA
**Samples requiring thermal preservation must be received on ice the day the	ney are sampled o					on sul	oseque	nt days.	5		7.11	
Sample(s) dropped off after hours to a secure drop off area.		Chain of	Custody	Notes/Billin	ppin F	'nΔ	1_	ſψ	60	<u></u>		
envirotech Analytical Laboratory		ighway 64, Farming	-10000000000000000000000000000000000000	Durange, CO &1301	Ph (505) 632-04 Ph (970) 259-04		-			-	envir laboratory@envir	otech-inc.com

Received by OCD: 3/8/2022 2:12:02 PM

Pa
ge.
112
g
146

)	~ B	2											
Client: EOG Bob Asho			RUSH?	La	b Use Only			Ana	alysis	and M	ethod		lab 0	Only
Project: Patterson EL #1	4		1d		Lab WO#									Z
Sampler: My P			3d	PEI	10138					2				(s) Y
Phone: on file			100	Jo	b Number	015			0.0	5			nber	rsrv
Email(s): on file		9		1903	1000-48	by 8015	121	3.1	y 300	80/			Lab Number	nt/F
Project Manager: Dennis Williams			Pag	e 2 of	2 20018	2 0%	3y 8C	y 418	de b	II.			Lab	ct Cc
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservative	GRO/DRO	BTEX by 8021	TPH by 418.1	Chloride by 300.0	##]			Correct Cont/Prsrv (s) Y/N
BH21-05 0'	10/25	9:20	50:1	402	+ 3		1						11	
BH21-06 0		9:25	1	1									12	
BH21-06 1'	1	9:35											13	
			ř.	anna ann an Aireann an										
				T.										
r.		-	14			+				+	+			
						+-				-	-			
Relinquished by: (Signature) Date Time	. /	by: (Signat		Date (0.21.21	Time **	Recei	wod .	on la		Use	Only			
Relinquished by: (Signature) Date Time 10.26.21 (6.5	Received	by: Signat		10.26.21	Time T1	G Te		,	T2_			Т3		÷
Sample Matrix: S - Soir, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		fre			Container Type: g	g - glas	ss, p -	poly		ic, ag	ambe	r glass, v	- VOA	
**Samples requiring thermal preservation must be received on ice the d	ay they are sampled o					C on su	bseque	ent da	ys.					
Sample(s) dropped off after hours to a secure drop off area.		chain of	Custody	Notes/Billing	. (;	100	(R	NO	+				
envirotech	579 6 US H	ighway 64, Farmir	ngtor, NM 87401	Habit	Ph (505) 632-0			-1865	100		-		nvirotech-in	nc.com



envirotech Inc.

Printed: 10/27/2021 4:59:21PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

	<u> </u>				<u> </u>		
Client:	EOG Resources Inc Carlsbad	Date Received:	10/27/21	10:30		Work Order ID:	E110138
Phone:	(575) 748-4217	Date Logged In:	10/27/21	16:46		Logged In By:	Alexa Michaels
Email:	dwilliams@vertex.ca	Due Date:	11/02/21	17:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa	Custody (COC) ne sample ID match the COC? ne number of samples per sampling site location ma namples dropped off by client or carrier? ne COC complete, i.e., signatures, dates/times, reque		Yes Yes Yes Yes	Carrier: <u>F</u>	'ed Ex		
	Il samples received within holding time?	sicu alialyses:	Yes				
	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssiturn Around Time (TAT)		ies			Comment	s/Resolution
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?						
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	NA Yes <u>C</u>				
Sample C	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contai	ners collected?	Yes				
S	oel field sample labels filled out with the minimum info ample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes Yes				
Sample F	reservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
28. Are sa	eact Laboratory amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and i	•	No NA	Subcontract Lab	o: NA		
Client In	<u>istruction</u>						

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Dennis Williams



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources Inc. - Carlsbad

Project Name: Patterson EL #1

Work Order: E111121

Job Number: 19034-0001

Received: 11/18/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/23/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/23/21

Dennis Williams 104 South 4th Street Artesia, NM 88210

Project Name: Patterson EL #1

Workorder: E111121

Date Received: 11/18/2021 10:34:00AM

Dennis Williams,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2021 10:34:00AM, under the Project Name: Patterson EL #1.

The analytical test results summarized in this report with the Project Name: Patterson EL #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BS21-01 3'	5
BS21-02 2'	6
BS21-03 2'	7
BS21-04 2'	8
WS21-01 0-3'	9
WS21-02 0-2'	10
WS21-03 0-2'	11
WS21-04 0-2'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	Donouted.
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/21 13:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS21-01 3'	E111121-01A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
BS21-02 2'	E111121-02A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
BS21-03 2'	E111121-03A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
BS21-04 2'	E111121-04A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
WS21-01 0-3'	E111121-05A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
WS21-02 0-2'	E111121-06A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
WS21-03 0-2'	E111121-07A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.
WS21-04 0-2'	E111121-08A	Soil	11/16/21	11/18/21	Glass Jar, 4 oz.



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

BS21-01 3' E111121-01

	E111121-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: IY		Batch: 2147035
ND	0.0500	2	11/18/21	11/18/21	
ND	0.0500	2	11/18/21	11/18/21	
ND	0.0500	2	11/18/21	11/18/21	
ND	0.0500	2	11/18/21	11/18/21	
ND	0.100	2	11/18/21	11/18/21	
ND	0.0500	2	11/18/21	11/18/21	
	95.2 %	70-130	11/18/21	11/18/21	
mg/kg	mg/kg	Analy	st: IY		Batch: 2147035
ND	40.0	2	11/18/21	11/18/21	
	105 %	70-130	11/18/21	11/18/21	
mg/kg	mg/kg	Analy	st: JL		Batch: 2147036
ND	25.0	1	11/18/21	11/18/21	
ND	50.0	1	11/18/21	11/18/21	
	107 %	50-200	11/18/21	11/18/21	
mg/kg	mg/kg	Analy	st: IY		Batch: 2147037
ND	20.0	1	11/18/21	11/23/21	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0500 ND 0.0500 ND 0.0500 ND 0.100 ND 0.0500 MD 0.0500 95.2 % mg/kg mg/kg ND 40.0 105 % mg/kg mg/kg ND 25.0 ND 50.0 107 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0500 2 ND 0.0500 2 ND 0.0500 2 ND 0.100 2 ND 0.0500 2 ND 0.0500 2 mg/kg mg/kg Analy ND 40.0 2 105 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 107 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: 1Y ND 0.0500 2 11/18/21 mg/kg mg/kg Analyst: 1Y MD 40.0 2 11/18/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 25.0 1 11/18/21 ND 50.0 1 11/18/21 ND 50.0 1 11/18/21 ng/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0500 2 11/18/21 11/18/21 mg/kg mg/kg Analyst: IY III/18/21 11/18/21 ND 40.0 2 11/18/21 11/18/21 mg/kg mg/kg Analyst: JL III/18/21 11/18/21 ND 25.0 1 11/18/21 11/18/21 ND 50.0 1 11/18/21 11/18/21 ND 50.0 1 11/18/21 11/18/21 mg/kg mg/kg Analyst: IY III/18/21 <



Sample Data

EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

BS21-02 2'

		E111121-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147035
Benzene	ND	0.0500	2	11/18/21	11/18/21	
Ethylbenzene	ND	0.0500	2	11/18/21	11/18/21	
Toluene	ND	0.0500	2	11/18/21	11/18/21	
o-Xylene	ND	0.0500	2	11/18/21	11/18/21	
p,m-Xylene	ND	0.100	2	11/18/21	11/18/21	
Total Xylenes	ND	0.0500	2	11/18/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147035
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/18/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2147036
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/21	11/18/21	
Surrogate: n-Nonane		116 %	50-200	11/18/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147037
Chloride	ND	20.0	1	11/18/21	11/22/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

BS21-03 2'

		E111121-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147035
Benzene	ND	0.0500	2	11/18/21	11/18/21	
Ethylbenzene	ND	0.0500	2	11/18/21	11/18/21	
Toluene	ND	0.0500	2	11/18/21	11/18/21	
o-Xylene	ND	0.0500	2	11/18/21	11/18/21	
p,m-Xylene	ND	0.100	2	11/18/21	11/18/21	
Total Xylenes	ND	0.0500	2	11/18/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	yst: IY		Batch: 2147035
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/18/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: JL		Batch: 2147036
Diesel Range Organics (C10-C28)	36.7	25.0	1	11/18/21	11/18/21	
Oil Range Organics (C28-C36)	138	50.0	1	11/18/21	11/18/21	
Surrogate: n-Nonane		113 %	50-200	11/18/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: IY		Batch: 2147037
Chloride	ND	20.0	1	11/18/21	11/22/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

BS21-04 2'

E111121-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147035
Benzene	ND	0.0250	1	11/18/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/18/21	11/18/21	
Toluene	ND	0.0250	1	11/18/21	11/18/21	
o-Xylene	ND	0.0250	1	11/18/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/18/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/18/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2147036
Diesel Range Organics (C10-C28)	121	25.0	1	11/18/21	11/18/21	
Oil Range Organics (C28-C36)	349	50.0	1	11/18/21	11/18/21	
Surrogate: n-Nonane		111 %	50-200	11/18/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2147037
Chloride	ND	20.0	1	11/18/21	11/22/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

WS21-01 0-3'

E111121-05

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: IY		Batch: 2147035
ND	0.0250	1	11/18/21	11/18/21	
ND	0.0250	1	11/18/21	11/18/21	
ND	0.0250	1	11/18/21	11/18/21	
ND	0.0250	1	11/18/21	11/18/21	
ND	0.0500	1	11/18/21	11/18/21	
ND	0.0250	1	11/18/21	11/18/21	
	96.6 %	70-130	11/18/21	11/18/21	
mg/kg	mg/kg	Analy	rst: IY		Batch: 2147035
ND	20.0	1	11/18/21	11/18/21	
	106 %	70-130	11/18/21	11/18/21	
mg/kg	mg/kg	Analy	rst: JL		Batch: 2147036
ND	25.0	1	11/18/21	11/18/21	
ND	50.0	1	11/18/21	11/18/21	
	111 %	50-200	11/18/21	11/18/21	
ma/ka	mg/kg	Analy	rst· IY		Batch: 2147037
mg/kg	mg/kg	1 11141)	50.11		Baten. 21 17 057
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MD 20.0 I06 % mg/kg ND 25.0 ND 50.0 III %	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Analy ND 20.0 1 MB/kg mg/kg Analy ND 25.0 1 ND 50.0 1 111 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 11/18/21 ND 0.0250 1 11/18/21 ND 0.0250 1 11/18/21 ND 0.0500 1 11/18/21 ND 0.0250 1 11/18/21 ND 0.0250 1 11/18/21 mg/kg mg/kg Analyst: IV ND 20.0 1 11/18/21 mg/kg mg/kg Analyst: JL ND 25.0 1 11/18/21 ND 25.0 1 11/18/21 ND 50.0 1 11/18/21	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 11/18/21 11/18/21 ND 0.0250 1 11/18/21 11/18/21 ND 0.0250 1 11/18/21 11/18/21 ND 0.0500 1 11/18/21 11/18/21 ND 0.0250 1 11/18/21 11/18/21 ND 0.0250 1 11/18/21 11/18/21 mg/kg mg/kg Analyst: IY 11/18/21 11/18/21 ND 20.0 1 11/18/21 11/18/21 mg/kg mg/kg Analyst: JL 11/18/21 11/18/21 ND 25.0 1 11/18/21 11/18/21 ND 50.0 1 11/18/21 11/18/21 ND 50.0 1 11/18/21 11/18/21



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

WS21-02 0-2'

E111121-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147035
Benzene	ND	0.0250	1	11/18/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/18/21	11/18/21	
Toluene	ND	0.0250	1	11/18/21	11/18/21	
o-Xylene	ND	0.0250	1	11/18/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/18/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/18/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2147036
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/21	11/18/21	
Surrogate: n-Nonane		111 %	50-200	11/18/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2147037
Chloride	456	20.0	1	11/18/21	11/22/21	



EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

WS21-03 0-2'

17.1	111	11/	1	-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	yst: IY		Batch: 2147035
Benzene	ND	0.0250	1	11/18/21	11/18/21	
Ethylbenzene	ND	0.0250	1	11/18/21	11/18/21	
Toluene	ND	0.0250	1	11/18/21	11/18/21	
o-Xylene	ND	0.0250	1	11/18/21	11/18/21	
p,m-Xylene	ND	0.0500	1	11/18/21	11/18/21	
Total Xylenes	ND	0.0250	1	11/18/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	yst: IY		Batch: 2147035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	yst: JL		Batch: 2147036
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/21	11/18/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/21	11/18/21	
Surrogate: n-Nonane		115 %	50-200	11/18/21	11/18/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: IY		Batch: 2147037
· · · · · · · · · · · · · · · · · · ·	ND	20.0	-	11/18/21	11/22/21	



Sample Data

EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

WS21-04 0-2'

		E111121-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2147035
Benzene	ND	0.0500	2	11/18/21	11/18/21	
Ethylbenzene	ND	0.0500	2	11/18/21	11/18/21	
Toluene	ND	0.0500	2	11/18/21	11/18/21	
o-Xylene	ND	0.0500	2	11/18/21	11/18/21	
p,m-Xylene	ND	0.100	2	11/18/21	11/18/21	
Total Xylenes	ND	0.0500	2	11/18/21	11/18/21	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147035
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/18/21	11/18/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	11/18/21	11/18/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2147036
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/21	11/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/21	11/19/21	
Surrogate: n-Nonane		104 %	50-200	11/18/21	11/19/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2147037
Chloride	ND	20.0	1	11/18/21	11/22/21	



EOG Resources Inc Carlsbad 104 South 4th Street	Project Name:	Patterson EL #1 19034-0001	Reported:
Artesia NM, 88210	Project Number: Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

Artesia NM, 88210		Project Manager:	De	ennis Williams					11/23/2021 1:17:14PM	
Volatile Organics by EPA 8021B Analyst: IY										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2147035-BLK1)							Prepared: 1	1/18/21 A	analyzed: 11/18/21	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130				
LCS (2147035-BS1)							Prepared: 1	1/18/21 A	analyzed: 11/19/21	
Benzene	4.87	0.0250	5.00		97.3	70-130				
Ethylbenzene	4.85	0.0250	5.00		97.1	70-130				
Toluene	5.08	0.0250	5.00		102	70-130				
o-Xylene	4.80	0.0250	5.00		96.0	70-130				
o,m-Xylene	9.82	0.0500	10.0		98.2	70-130				
Total Xylenes	14.6	0.0250	15.0		97.5	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130				
LCS Dup (2147035-BSD1)							Prepared: 1	1/18/21 A	analyzed: 11/19/21	
Benzene	4.77	0.0250	5.00		95.4	70-130	1.96	20		
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130	1.26	20		
oluene	5.01	0.0250	5.00		100	70-130	1.33	20		
-Xylene	4.74	0.0250	5.00		94.7	70-130	1.36	20		
,m-Xylene	9.71	0.0500	10.0		97.1	70-130	1.16	20		
Total Xylenes	14.4	0.0250	15.0		96.3	70-130	1.23	20		



Surrogate: 1-Chloro-4-fluorobenzene-FID

8.53

QC Summary Data

EOG Resources Inc Carlsbad 104 South 4th Street	Project Name: Project Number:	Patterson EL #1 19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

Artesia NM, 88210		Project Manager		ennis Williams	s				11/23/2021 1:17:14PN
	Non	halogenated (Organics l	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg mg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2147035-BLK1)							Prepared: 1	1/18/21 Aı	nalyzed: 11/18/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			
LCS (2147035-BS2)							Prepared: 1	1/18/21 Aı	nalyzed: 11/19/21
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.64		8.00		108	70-130			
LCS Dup (2147035-BSD2)							Prepared: 1	1/18/21 Aı	nalyzed: 11/19/21
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130	2.58	20	

70-130

EOG Resources Inc Carlsbad 104 South 4th Street	Project Name: Project Number:	Patterson EL #1 19034-0001	Reported:
Artesia NM, 88210	Project Number: Project Manager:	Dennis Williams	11/23/2021 1:17:14PM

Artesia NM, 88210		Project Manage	r: De	ennis William	S]	11/23/2021 1:17:14PI
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2147036-BLK1)							Prepared: 1	1/18/21 Ar	nalyzed: 11/18/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.5		50.0		121	50-200			
LCS (2147036-BS1)							Prepared: 1	1/18/21 Ar	nalyzed: 11/18/21
Diesel Range Organics (C10-C28)	554	25.0	500		111	38-132			
Surrogate: n-Nonane	57.9		50.0		116	50-200			
Matrix Spike (2147036-MS1)				Source:	E111121-0)6	Prepared: 1	1/18/21 Ar	nalyzed: 11/18/21
Diesel Range Organics (C10-C28)	558	25.0	500	ND	112	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			
Matrix Spike Dup (2147036-MSD1)				Source:	E111121-0)6	Prepared: 1	1/18/21 Ar	nalyzed: 11/18/21
Diesel Range Organics (C10-C28)	573	25.0	500	ND	115	38-132	2.62	20	
Surrogate: n-Nonane	60.3		50.0		121	50-200			



EOG Resources Inc Carlsbad		Project Name:		atterson EL #1	ļ				Rep	orted:
104 South 4th Street Artesia NM, 88210		Project Number: Project Manager		9034-0001 Jennis William	s				11/23/2021	1:17:14PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analys	t: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2147037-BLK1)							Prepared:	11/18/21	Analyzed: 1	1/22/21
Chloride	ND	20.0								
LCS (2147037-BS1)							Prepared:	11/18/21	Analyzed: 1	1/22/21
Chloride	251	20.0	250		101	90-110				
Matrix Spike (2147037-MS1)				Source:	E111121-0	1	Prepared:	11/18/21	Analyzed: 1	1/22/21
Chloride	334	20.0	250	ND	134	80-120				M1
Matrix Spike Dup (2147037-MSD1)				Source:	E111121-0	1	Prepared:	11/18/21	Analyzed: 1	1/22/21
Chloride	262	20.0	250	ND	105	80-120	24.3	20		R3

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Γ	EOG Resources Inc Carlsbad	Project Name:	Patterson EL #1	
l	104 South 4th Street	Project Number:	19034-0001	Reported:
l	Artesia NM, 88210	Project Manager:	Dennis Williams	11/23/21 13:17

M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page	
13	
1 of	
146	

Received by OCD: 3/8/2022 2:12:02 PM

Client: EOG / V	entex				RUSH?		Lab Use Only		T. Marie	Ana	alysis a	and Met	hod	lab	Only
Project: Patterson		<u></u>			1d		Lab WO#								Z
Sampler: MJP					3d	PE	111121								(s) Y
Phone: 575-3101-98	80 575	361-1	137				Job Number	115			0.	015		per	SIZ
Email(s): MPeppine U	often.co	dwillia	ansai	10ctex	a	1	9034-00	by 801	. 17	1	300.0	80		Lab Number	ıt/P
Project Manager:	s Willian	25		, 0, -, 1,	Pag			_	/ 80	418	ا م ا	_		lab lab	Co
Samp			Sample Dat	Sample Time	Matrix	1	Containers I/TYPE/Preservativ	GRO/DRO	BTEX by 8021	TPH by 418.1	Chloride	Hall			Correct Cont/Prsrv (s) Y/N
BS21-01	B)	11/11	P 12'.30	Soil	402			1					1	
BS21-02	J	1		1.2.35							Ш			2	
B521-03	0	1		12:40										3	
BS21-04	6) '		12:45		leng.		Ī						4	
M231-01	0-3	3,		12/50										5	
WS21-02	01	9,		15:35										6	
WS21-03 WS21-04	0-	3,		1,60	1									7	
W521-04	0	9,		1:05										4	
														9-	797
												1		10	<i>y</i>
Relinquished by: (Signature)	Date	Time	Recei	red by: (Signa	ture)	Date	Time					Use Or	ly		
Relinguished by: (Signature)	Date	2:00 Time	Moral	by. (Signa	tural	/1 ·17 · 7 Date		**Rece	ived (on Ice	E(Y)/	N		т2	
La All	11.17.21	1630		7 (Signa	iui e j	11-18-01	1 (T1 AVG Te	– mp ⁰(- 1	4-	- 1		T3	
Sample Matrix: S. Soil, Sd - Solid, Sg - Si	ludge, A - Aqueous, O -	Other	_0			1111					/plasti	c, ag - ar	nber glas	s, v - VOA	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.															
Sample(s) dropped off after hours				Chain of	Custody	Notes/Bil	ling info: ! MPepp	5.N Z		ما	R	epo	-		
envir	otec	h	57961	IS Highway 64. Fannis			Pts (505)	632-0615 Fel	505) 632-	1865		,		environes-in	e com
Analyti	cal Laborato	ory	Three !	Page	e 18 of 1	9 10, 00 81301	Ph (970) .	259-0615 Fr (800j 162-	1879			laborato		

Printed: 11/18/2021 11:20:10AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

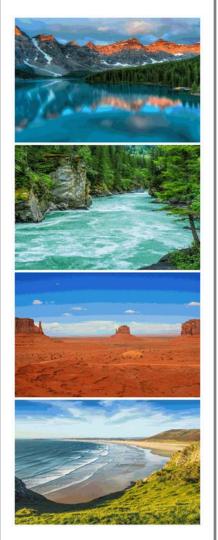
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources Inc Carlsbad	Date Received:	11/18/21	10:34		Work Order ID:	E111121
Phone:	(575) 748-4217	Date Logged In:	11/18/21	11:14		Logged In By:	Jessica Liesse
Email:	dwilliams@vertex.ca	Due Date:	11/24/21	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>F</u>	Fed Ex		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	Turn Around Time (TAT)	on.				·	
6. Did the	COC indicate standard TAT, or Expedited TAT?		No				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4-0	<u>L</u>				
Sample C			NI.				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	trip blank (TB) included for VOC analyses?	0	NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab		4					
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
Sample P	reservation						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
_	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		, 200.	1421				
	act Laboratory	2	3.7				
	amples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	o: NA		
Client In	<u>istruction</u>						

Date

Report to:

Monica Peppin



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources Inc. - Carlsbad

Project Name: Patterson

Work Order: E203002

Job Number: 19034-0001

Received: 3/2/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/4/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 3/4/22

Monica Peppin 104 South 4th Street Artesia, NM 88210

Project Name: Patterson Workorder: E203002

Date Received: 3/2/2022 10:15:00AM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/2/2022 10:15:00AM, under the Project Name: Patterson.

The analytical test results summarized in this report with the Project Name: Patterson apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BS22 - 03 3'	5
BS22 - 04 3'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

EOG Resources Inc Carlsbad	Project Name:	Patterson	Donoutoda
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Monica Peppin	03/04/22 10:34

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BS22 - 03 3'	E203002-01A Soil	02/25/22	03/02/22	Glass Jar, 4 oz.
BS22 - 04 3'	E203002-02A Soil	02/25/22	03/02/22	Glass Jar, 4 oz.



EOG Resources Inc Carlsbad	Project Name:	Patterson	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Monica Peppin	3/4/2022 10:34:17AM

BS22 - 03 3' E203002-01

		E203002-01				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2210035
Benzene	ND	0.0250	1	03/02/22	03/02/22	
Ethylbenzene	ND	0.0250	1	03/02/22	03/02/22	
Toluene	ND	0.0250	1	03/02/22	03/02/22	
o-Xylene	ND	0.0250	1	03/02/22	03/02/22	
o,m-Xylene	ND	0.0500	1	03/02/22	03/02/22	
Total Xylenes	ND	0.0250	1	03/02/22	03/02/22	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	03/02/22	03/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2210035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/22	03/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	03/02/22	03/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2210030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/22	03/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/02/22	03/02/22	
Surrogate: n-Nonane		96.4 %	50-200	03/02/22	03/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2210037
Chloride	23.3	20.0	1	03/02/22	03/02/22	

EOG Resources Inc Carlsbad	Project Name:	Patterson	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Monica Peppin	3/4/2022 10:34:17AM

BS22 - 04 3'

		E203002-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2210035
Benzene	ND	0.0250	1	03/02/22	03/02/22	
Ethylbenzene	ND	0.0250	1	03/02/22	03/02/22	
Toluene	ND	0.0250	1	03/02/22	03/02/22	
o-Xylene	ND	0.0250	1	03/02/22	03/02/22	
p,m-Xylene	ND	0.0500	1	03/02/22	03/02/22	
Total Xylenes	ND	0.0250	1	03/02/22	03/02/22	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	03/02/22	03/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2210035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/22	03/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	03/02/22	03/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2210030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/22	03/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/02/22	03/02/22	
Surrogate: n-Nonane		107 %	50-200	03/02/22	03/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2210037
Chloride	ND	20.0	1	03/02/22	03/02/22	



EOG Resources Inc. - Carlsbad Project Name: Patterson Reported: 104 South 4th Street Project Number: 19034-0001 Artesia NM, 88210 Project Manager: Monica Peppin 3/4/2022 10:34:17AM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2210035-BLK1) Prepared: 03/02/22 Analyzed: 03/02/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.43 8.00 92.9 70-130 LCS (2210035-BS1) Prepared: 03/02/22 Analyzed: 03/02/22 5.18 5.00 104 70-130 Benzene 0.0250 Ethylbenzene 5.49 0.0250 5.00 110 70-130 5.72 0.0250 5.00 114 70-130 Toluene 5.42 108 o-Xylene 0.0250 5.00 70-130 11.1 10.0 111 70-130 0.0500 p.m-Xvlene 110 70-130 16.5 15.0 Total Xylenes 0.0250 8.00 93.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.48 Matrix Spike (2210035-MS1) Source: E203002-02 Prepared: 03/02/22 Analyzed: 03/02/22 4.98 0.0250 5.00 ND 99.6 54-133 Benzene ND 61-133 Ethylbenzene 5.29 0.0250 5.00 106 Toluene 5.50 0.0250 5.00 ND 110 61-130 5.22 ND 104 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.7 0.0500 10.0 ND 107 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.53 8.00 Matrix Spike Dup (2210035-MSD1) Source: E203002-02 Prepared: 03/02/22 Analyzed: 03/02/22 4.98 0.0250 5.00 ND 54-133 0.0432 20

ND

ND

ND

ND

ND

106

110

105

108

107

95.4

5.00

5.00

5.00

10.0

15.0

8.00

5.31

5 52

5.26

10.8

16.0

7.63

0.0250

0.0250

0.0250

0.0500

0.0250

61-133

61-130

63-131

63-131

63-131

70-130

0.425

0.191

0.784

0.448

0.558

20

20

20

20

20



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

EOG Resources Inc Carlsbad	Project Name:	Patterson	Reported:
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	3/4/2022 10:34:17AM

Artesia NM, 88210		Project Manage	r: Me	onica Peppin				3	/4/2022 10:34:17AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2210035-BLK1)							Prepared: 03	3/02/22 An	alyzed: 03/02/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			
LCS (2210035-BS2)							Prepared: 03	3/02/22 An	alyzed: 03/02/22
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
Matrix Spike (2210035-MS2)				Source:	E203002-	02	Prepared: 03	3/02/22 An	alyzed: 03/02/22
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			
Matrix Spike Dup (2210035-MSD2)				Source:	E203002-	02	Prepared: 03	3/02/22 An	alyzed: 03/02/22
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130	0.0959	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

EOG Resources Inc Carlsbad	Project Name:	Patterson	Reported:
104 South 4th Street	Project Number:	19034-0001	·
Artesia NM, 88210	Project Manager:	Monica Peppin	3/4/2022 10:34:17AM

Artesia NM, 88210		Project Manage	r: Mo	onica Peppin					3/4/2022 10:34:17AM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2210030-BLK1)							Prepared: 0	3/02/22 Ar	nalyzed: 03/02/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.8		50.0		102	50-200			
LCS (2210030-BS1)							Prepared: 0	3/02/22 Ar	nalyzed: 03/02/22
Diesel Range Organics (C10-C28)	601	25.0	500		120	38-132			
urrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike (2210030-MS1)				Source:	E203011-0	03	Prepared: 0	3/02/22 Ar	nalyzed: 03/02/22
Diesel Range Organics (C10-C28)	21000	250	500	21600	NR	38-132			M4
urrogate: n-Nonane	293		50.0		585	50-200			S5
Matrix Spike Dup (2210030-MSD1)				Source:	E203011-0	03	Prepared: 0	3/02/22 Ar	nalyzed: 03/02/22
Diesel Range Organics (C10-C28)	21900	250	500	21600	50.0	38-132	4.06	20	
urrogate: n-Nonane	288		50.0		576	50-200			S5

EOG Resources Inc Carlsbad 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager:	19	atterson 9034-0001 Ionica Peppin					Reported: 3/4/2022 10:34:17AM
		Anions	by EPA	300.0/9056	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2210037-BLK1)							Prepared: 0	3/02/22 A	nalyzed: 03/02/22
Chloride	ND	20.0							
LCS (2210037-BS1)							Prepared: 0	3/02/22 A	nalyzed: 03/02/22
Chloride	245	20.0	250		98.0	90-110			
Matrix Spike (2210037-MS1)				Source:	E203002-	01	Prepared: 0	3/02/22 A	nalyzed: 03/02/22
Chloride	271	20.0	250	23.3	99.1	80-120			
Matrix Spike Dup (2210037-MSD1)				Source:	E203002-	01	Prepared: 0	3/02/22 A	nalyzed: 03/02/22
Chloride	273	20.0	250	23.3	99.9	80-120	0.713	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Γ	EOG Resources Inc Carlsbad	Project Name:	Patterson	
l	104 South 4th Street	Project Number:	19034-0001	Reported:
l	Artesia NM, 88210	Project Manager:	Monica Peppin	03/04/22 10:34

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: EOG	X		RUSH?	Lab Use Only				Ana	lysis a	and Met	hod		lab Or	nly
Project: PAHCUSON			1d	Lab WO#	a a			0						N/
Sampler: S Cowtow			3d	PE20300	2			15				1 1	_	(s)
Phone: 575 361 9880				Job Number		015		801	0.0				mbe	Prsrv
Project Manager: M Peppin			Pag	e \ of \	01	GRO/DRO by 8015	y 8021		Chloride by 300.0				Lab Number	Correct Cont/Prsrv (s) Y/N
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservat	ive	GRO/D	ВТЕХ ЬУ 8021	TPH by	Chlorid					Correc
BS 22 - 03 3' BS 22 - 04 3'	2/25	9:30	Soil	402 jar/ice	ل	\checkmark	/	/	/				l	
BS 22 - 04 3'	2/25	9:30	Soil	11		✓	/	/	1				2	
				4.7										
H.														
Į.			×											
			Ľ.	•		i								
Relinquished by: (Signature) Relinquished by: (Signature) Date Time 3 1 2 2 /6 45	Received	by: (Signat	1-	Date Time 2.28.22_/3.37 Date Time 3/2/02/5	**Re T1 AVG				(X) [2]		ly	Т3		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other			V	Container Ty		100		37.7			nber glas	s, v - V	/OA	
**Samples requiring thermal preservation must be received on ice the day	hey are sampled o				an 6 °C or	n subs	seque	nt days	5,					
Sample(s) dropped off after hours to a secure drop off area.		Chain of	Custody	Notes/Billing info:										
envirotech	5796 US Hi	ighway 64, Famnin	gton, NM 87491	Ph (50)	5) 632-0615	Fx (50	55) 632-1	865				envero	dech-inc o	œm.



Ph (970) 259-0615 Fr (800) 362-1879

Printed: 3/2/2022 3:30:10PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources Inc Carlsbad	Date Received:	03/02/22 1	.0:15	Work (Order ID:	E203002
Phone:	(575) 748-4217	Date Logged In:	03/01/22 1	0:18	Logge	d In By:	Caitlin Christian
Email:	mpeppin@vertex.ca	Due Date:	03/07/22 1	17:00 (3 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	ch the COC					
	amples dropped off by client or carrier?	on the coc	Yes Yes	Comion II	IDC		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>U</u>	<u>ors</u>		
	Il samples received within holding time?	ica anaryses.	Yes				
s. Word a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		103			Comments	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (Cooler						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	•	temperature. 1	<u> </u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		iers conecteur	165				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	pate/Time Collected?		Yes	l			
C	ollectors name?		No				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pre-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v ?	No				
	subcontract laboratory specified by the client and if	~	NA	Subcontract Lab	· na		
	· - ·			Subcontract Eur	. 114		
Chent II	<u>nstruction</u>						

Date

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

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

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

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

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

CONDITIONS

Action 88276

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	88276
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	None	3/15/2022