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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2127258746
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Robert Asher	Contact Telephone 575-748-4217
Contact email bob_asher@eogresources.com	Incident # *(assigned by OCD)* napp2127258746
Contact mailing address 104 South Fourth Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.73624 Longitude -104.37482
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Gates AAC Battery	Site Type: Battery
Date Release Discovered: 8/5/2021	API# 30-015-25102

Unit Letter	Section	Township	Range	County
D	22	18S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Wanda Faye Wilson Estate*)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (Unknown)	Volume Recovered (Unknown)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐	Volume/Weight Released	Volume/Weight Recovered

Cause of Release
When conducting decommission work of the tank battery after the Gates AAC #2 was plugged and abandoned, historical contamination (chlorides) was discovered in an area in and around the tank battery. (approximate area, 185' X 325').

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Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127258746
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ 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 not 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 Asher Title: Environmental Supervisor

Signature: [signature] Date: 9/29/2021

email: bob_asher@eogresources.com Telephone: 575-748-4217

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127258746
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?	70 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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 ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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 ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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.

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127258746
District RP	
Facility ID	
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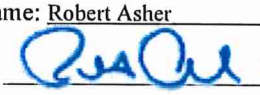
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: 5/4/2022

email: bob_asher@eogresources.com Telephone: 575-748-4217

OCD Only

Received by: Date:

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Page 5

State of New Mexico
Oil Conservation Division

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Remediation Plan

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

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

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

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

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

Printed Name: Robert Asher Title: Environmental Supervisor

Signature: [signature] Date: 5/4/2022

email: bob_asher@eogresources.com Telephone: 575-748-4217

OCD Only

Received by: Date:

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jennifer Nobui Date: 05/23/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127258746
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 items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Receipt of Fee Application Payment

PO Number: I4NPC-220504-C-1410

Payment Date:	5/4/2022 1:00:02 PM
Payment Amount:	$150.00
Payment Type:	Credit Card

Application Type:	Application for administrative approval of a release notification and corrective action
Fee Amount:	$150.00
Application Status:	Under OCD Review

OGRID:	7377
First Name:	Katie
Last Name:	Jamison
Email:	katie_jamison@eogresources.com

IMPORTANT: If you are mailing or delivering your application, you must print and include your receipt of payment as the first page on your application. All mailed and delivered applications must be sent to the following address: 1220 S. St. Francis Dr., Santa Fe, NM 87505. For inquiries, reference the PO Number listed above.

General Information

NMOCD District:	District 2	Incident ID:	nAPP2127258746
Landowner:	Wanda Faye Wilson Estate	RP Reference:	N/A
Client:	EOG Resources, Inc.	Site Location:	Gates AAC Battery
Date:	4/21/2022	Project #:	22E-00124-02
Client Contact:	Robert Asher	Phone #:	575.703.6537
Vertex PM:	Monica Peppin	Phone #:	575.361.9880

Objective

The objective of the environmental remediation and reclamation plan is to identify exceedances found during the site assessment/characterization activity, propose an appropriate technique to address these areas, and prepare the site for final reclamation. On August 5, 2021, EOG Resources, Inc. reported a release from the Gates AAC Battery which was entered into the New Mexico Oil Conservation District (NMOCD) database as nAPP2127258746. Remediation of this release was the initial objective for characterization of the site. Reclamation criteria under New Mexico Administrative Code (NMAC) (19.15.29.13) was also considered as a secondary objective as the site is no longer in production and entering the end-of-life phase. The decommissioned pad will be excavated to a minimum of four feet below ground surface (bgs) and backfilled with clean, locally sourced soil having a chloride concentration less than 600 mg/kg, as analyzed by EPA Method 300.0. All areas of environmental concern that were delineated include: secondary containment area, and surrounding pastureland. Closure criteria has been selected as per NMAC 19.15.29 and 19.15.29.13. All applicable research as it pertains to closure criteria selection is presented in Attachment 1. The closure criteria for the site are presented below.

Table 1. Closure Criteria for Soils to Remediation & Reclamation Standards

	Constituent	Limit
0-4 feet bgs (19.15.29.13)	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
DTGW 51-100 feet (19.15.29.12)	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

Site Assessment/Characterization

An Environmental Site Characterization Plan was submitted and approved by NMOCD on March 11, 2022. A permit was obtained from New Mexico Office of the State Engineer (NMOSE) approving collection of lithological data for a test borehole for depth to groundwater determination with Hungry Horse, LLC. A borehole was drilled on April 4, 2022, and no water was present at 55 feet bgs. The borehole was left open as per requirements on the WR-07 Application for Permit to Drill A Well With No Water Right and a bailer was lowered to the bottom of the borehole on April 6, 2022, to collect any groundwater that may have accumulated in the waiting period; no water was present at that time. A second attempt was made on April 11, 2022; no water was present in the depth to groundwater borehole at any time. The borehole was then plugged as per requirements on the WR-08, Well Plugging Plan of Operations. The boring log and well plugging plan are presented in Attachment 2. The daily field reports (DFRs) are presented in Attachment 3.

Remedial Activities

Areas identified with contaminant concentrations above closure criteria were remediated through excavation. Laboratory results from the site assessment/characterization were referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil that was removed. Soil was then excavated to the extents of the contamination. Field screening was utilized to guide removal of contaminated soil to extents below the applicable closure criteria. Once excavation is complete, confirmatory samples will be collected and laboratory analysis completed to confirm closure criteria guidelines were met. Excavations will be backfilled with locally sourced clean soil.

nAPP2127258746

Remediation efforts began on January 10, 2022. The excavation area was fenced off and remains open pending the approval of the variance request for confirmation sampling. On January 25, 2022, sampling was conducted to characterize the existing excavation. The excavation encompassed an area of approximately 54,445 square feet, at a depth of four feet, meeting the requirements of the restoration, reclamation, and re-vegetation standard (19.15.29.13). A total of 50 composite samples were collected from the base and walls of the excavated area as shown in Figure 1 (Attachment 4). Field screening was completed on samples using a photoionization detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and titration (chlorides). Samples were submitted to Envirotech, Inc. in Farmington, New Mexico, under chain-of-custody protocol 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). Laboratory results are presented in Table 2 (Attachment 5) and laboratory data reports are included in Attachment 6. The DFRs and field screening forms associated with the remediation are presented 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 for the excavation characterization. The sample locations and excavation extents are presented in Figure 2 (Attachment 4).

This characterization identified several locations in the walls and base of the excavation that exceeded applicable Table 1 closure criteria for the site under NMAC 19.15.29.12. The four-foot excavation footprint was expanded vertically and horizontally to remove contamination at locations BH22-01, BH22-02, BH22-06, BH22-07, BH22-09, BH22-19, and BH22-25. The total area excavated was determined to be **72,990** square feet. An aerial photograph and site schematic of the additional excavation is included in Figure 2 (Attachment 5).

Vertex Resource Services Inc and EOG Resources, Inc. request a variance for confirmation sampling due to the square footage of the excavated area and the depth to ground water being greater than 51 feet for closure criteria. This variance request will consist of five-point composite samples for every 1,000 square feet of excavation area in the four-foot excavation. Excavation areas greater than four feet of vertical depth will utilize five-point composite samples each representative of no more than 200 square feet. Additional discrete grab samples will be collected from areas with discoloration and analyzed for chloride (EPA 300.0), BTEX (EPA 8021B), and TPH (EPA 8015D) depending on field screening results.

Heavy equipment will be used to remove contaminated soils in the event that any confirmation samples are above applicable constituents based on Table 1 of 19.15.29.12 & 13 NMAC once the analytical reports have been received. A detailed closure report of all events will be submitted once all field work has been completed.

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

Monica Peppin
SR. ENVIRONMENTAL TECHNICIAN, REPORTING

April 21, 2022
Date

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

April 21, 2022
Date

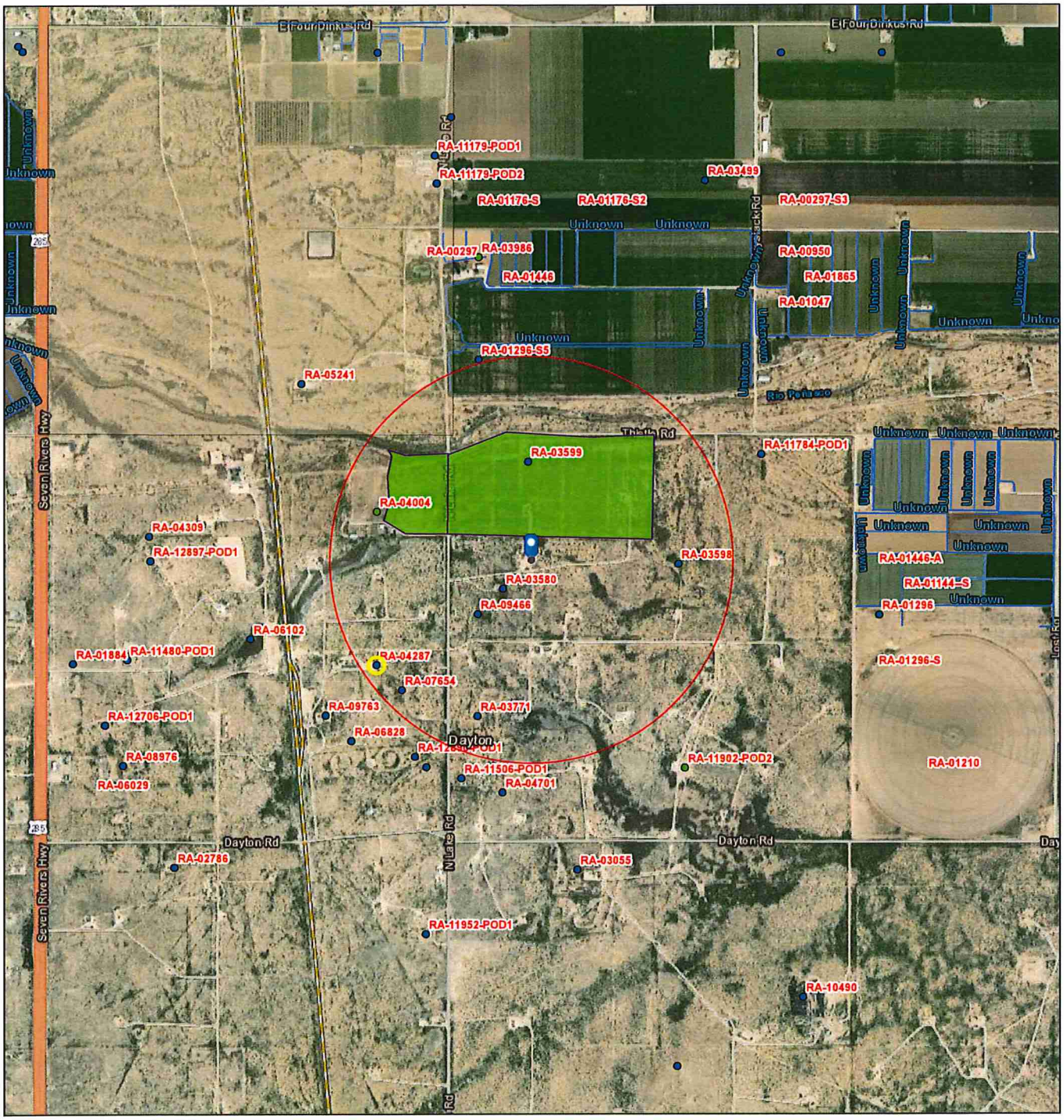
Attachments

Attachment 1: Closure Criteria Research
Attachment 2: NMOSE WR-07/WR-08
Attachment 3: Daily Field Reports
Attachment 4: Figures
Attachment 5: Tables
Attachment 6: Laboratory Analysis Reports

ATTACHMENT 1

Closure Criteria Worksheet			
Site Name: Gates AAC #2			
Spill Coordinates:		X: 32.73780	Y: -104.37481
Site Specific Conditions		Value	Unit
1	Depth to Groundwater	>55	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	20,178	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	14,618	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	1,854	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**	1,503	feet
	ii) Within 1000 feet of any fresh water well or spring	1,503	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	14,664	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	Zone X Unshaded	year
11	Soil Type	Karro Loam	
12	Ecological Classification	Limy	
13	Geology	Qp	
NMAC 19.15.29.12 E (Table 1) Closure Criteria		51-100'	<50' 51-100' >100'

Gates AAC #2



10/14/2021, 6:27:12 AM

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

GIS WATERS PODs

- Active
- Pending
- OSE District Boundary

Water Right Regulations

- Negative Easement Area

New Mexico State Trust Lands

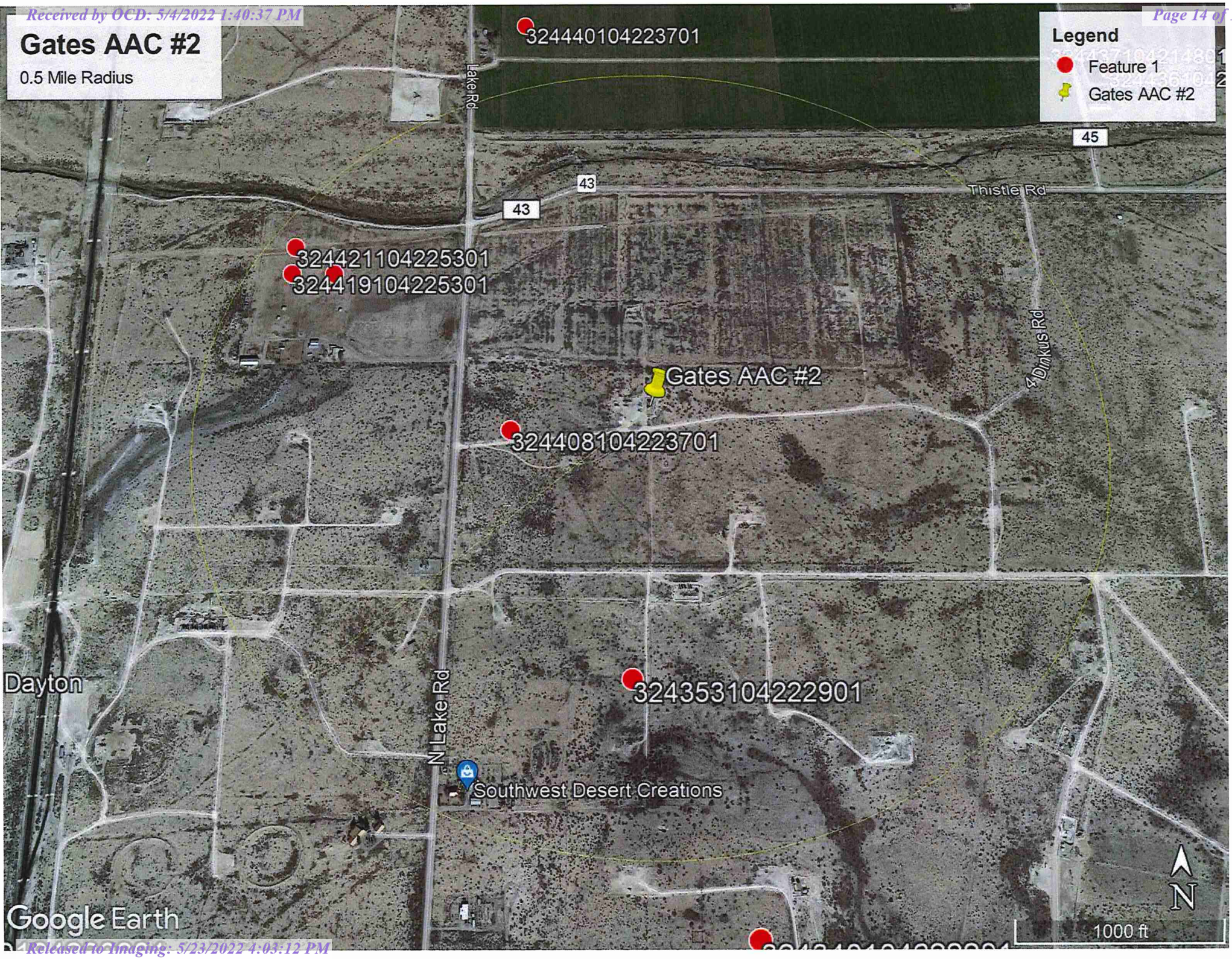
- Subsurface Estate

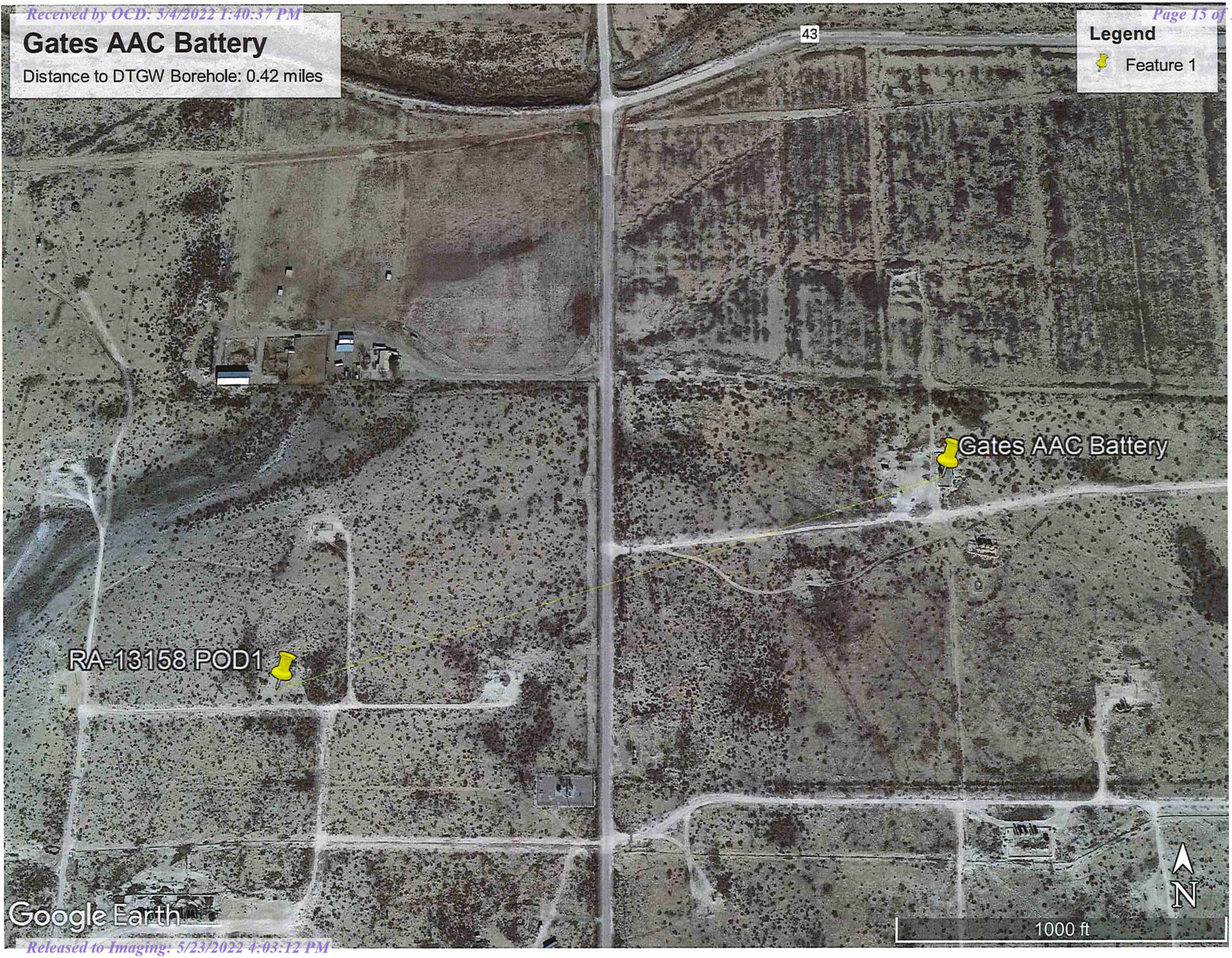
Conveyances

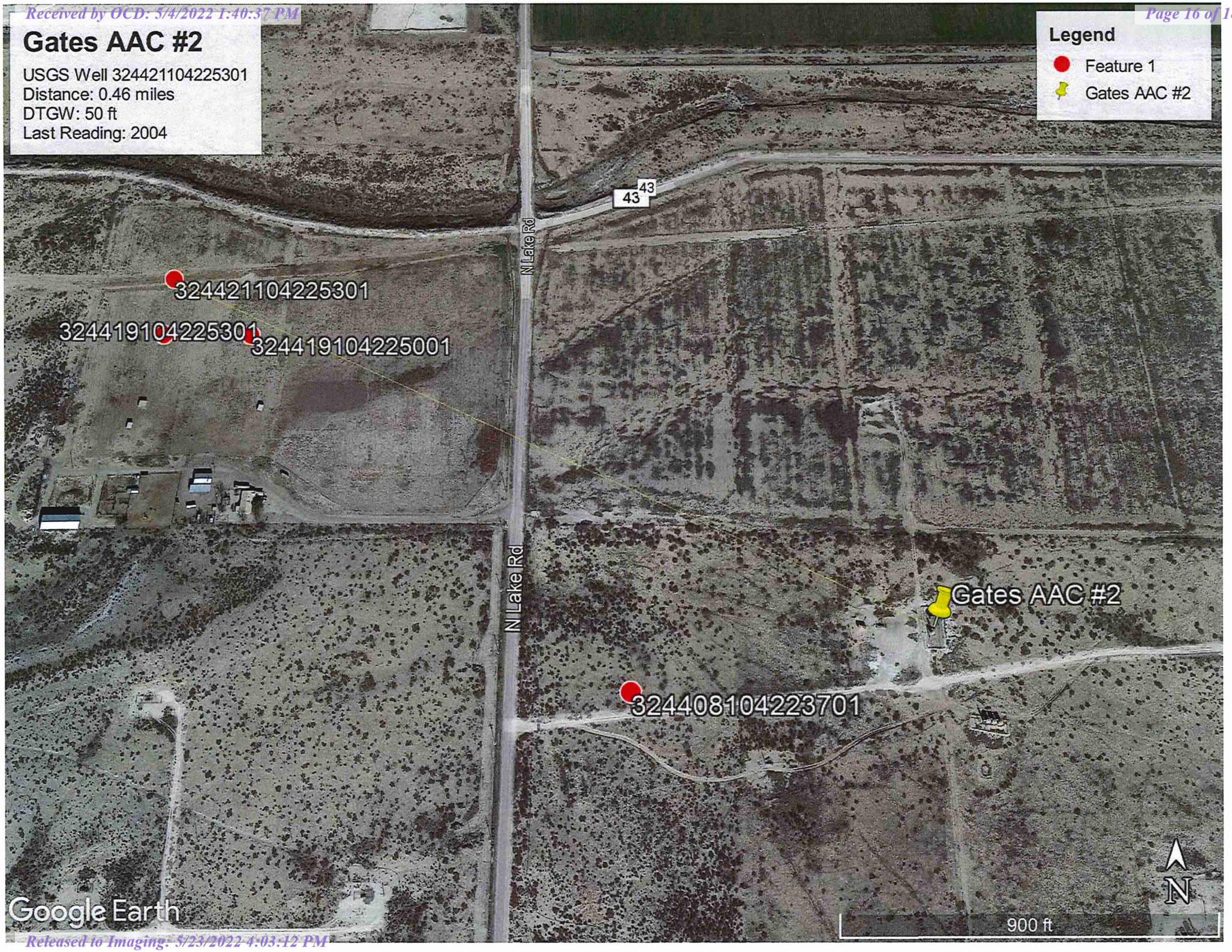
- Ditch
- Lateral
- SiteBoundaries

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

Printed from Public Web Map
Unofficial Map from OSE POD Locations Web Application


Gates AAC #2
0.5 Mile Radius
Legend
Feature 1
Gates AAC #2
324440104223701
Lake Rd
45
43
43
Thistle Rd
324421104225301
324419104225301
Dinkus Rd
Gates AAC #2
324408104223701
Dayton
N Lake Rd
324353104222901
Southwest Desert Creations
N
Google Earth
1000 ft


Gates AAC Battery
Distance to DTGW Borehole: 0.42 miles
43
Legend
Feature 1
Gates AAC Battery
RA-13158 POD1
Google Earth
N
1000 ft


Gates AAC #2
USGS Well 324421104225301
Distance: 0.46 miles
DTGW: 50 ft
Last Reading: 2004
Legend
Feature 1
Gates AAC #2
43
N Lake Rd
324421104225301
324419104225301
324419104225001
N Lake Rd
Gates AAC #2
324408104223701
N
900 ft
Google Earth

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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 03599	RA	ED	2	1	1	22	18S	26E	558552	3622599*	207	1765		
RA 03340	RA	ED		3	1	22	18S	26E	558454	3622097*	319	100	60	40
RA 03580	RA	ED		3	1	22	18S	26E	558454	3622097*	319	1700		
RA 09466	RA	ED	3	3	1	22	18S	26E	558353	3621996*	454	160	70	90
RA 03598	RA	ED	1	3	2	22	18S	26E	559154	3622198*	610	1815		
RA 04004	RA	ED	3	2	2	21	18S	26E	557948	3622399*	627	140		
RA 01296 S3	RA	ED	1	3	3	15	18S	26E	558351	3623003*	650	230	70	160
RA 01296 S5	RA	ED	1	3	3	15	18S	26E	558351	3623003*	650	223	35	188
RA 01446 CLW	RA	ED	1	3	3	15	18S	26E	558351	3623003*	650	165	42	123
RA 02800	RA	ED	1	3	3	15	18S	26E	558351	3623003*	650	102	30	72
RA 03771	RA	ED	3	1	3	22	18S	26E	558354	3621592*	830	110	75	35
RA 04287	RA	ED	1	2	4	21	18S	26E	557951	3621792*	866	170	140	30
RA 07654	RA	ED		2	4	21	18S	26E	558052	3621693*	873	180	170	10
RA 01446	RA	ED		1	3	15	18S	26E	558450	3623307*	922	175		
RA 11784 POD1	RA	ED	1	2	2	22	18S	26E	559480	3622632	936	154	98	56
RA 05241	RA	ED		3	4	16	18S	26E	557644	3622903*	1061	200	100	100
RA 12890 POD1	RA	ED	2	4	4	21	18S	26E	558105	3621429	1071	180	102	78
RA 11506 POD1	RA	ED	1	3	3	22	18S	26E	558290	3621345	1085	160	78	82
RA 07408	RA	ED	2	4	4	21	18S	26E	558152	3621389*	1089	155	85	70
RA 04701	RA	ED		3	3	22	18S	26E	558456	3621290*	1109	80	55	25
RA 09763	RA	ED	4	1	4	21	18S	26E	557748	3621592*	1151	240	140	100
RA 06828	RA	CH			4	21	18S	26E	557851	3621491*	1156	130	105	25
RA 06102	RA	ED				21	18S	26E	557447	3621893*	1234	202	136	66
RA 11179 POD2	RA	ED	4	4	2	16	18S	26E	558180	3623696	1362	71	60	11
RA 01296 CLW229885	O RA	ED	1	3	1	23	18S	26E	559954	3622201*	1392	180	70	110
RA 03055	RA	ED	1	2	1	27	18S	26E	558757	3620986*	1418	146	85	61

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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 01296		RA	ED	3	3	1	23	18S	26E	559954	3622001*	1433	180	80	100
RA 11179 POD1		RA	ED	2	3	2	16	18S	26E	558172	3623807	1471	74	60	14
RA 03499		RA	ED		3	2	15	18S	26E	559251	3623715*	1484	616	40	576
RA 03499 CLW261762	O	RA	ED		3	2	15	18S	26E	559251	3623715*	1484	616	40	576
RA 01144 -S		RA	CH		3	1	23	18S	26E	560055	3622102*	1508	809		
RA 04309		RA	ED			1	21	18S	26E	557041	3622297*	1537	180		
RA 12897 POD1		RA	ED	1	4	1	21	18S	26E	557046	3622199	1541	180	120	60
RA 11682 POD2		RA	ED	4	2	2	16	18S	26E	558236	3623959	1602	98		

Average Depth to Water: **82 feet**

Minimum Depth: **30 feet**

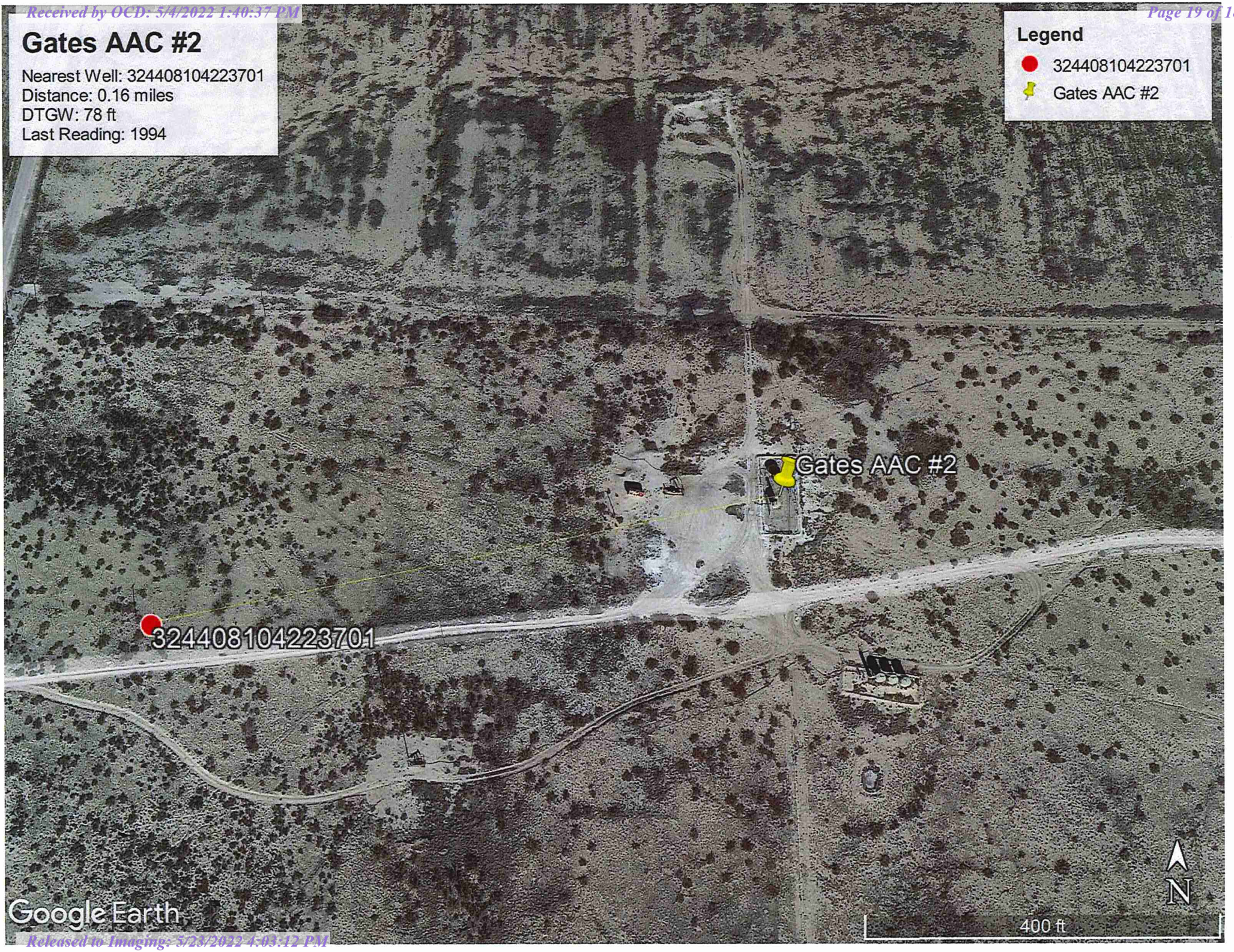
Maximum Depth: **170 feet**

Record Count: 34

UTMNAD83 Radius Search (in meters):

Easting (X): 558575.26 **Northing (Y):** 3622392.87 **Radius:** 1610

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


Gates AAC #2
Nearest Well: 324408104223701
Distance: 0.16 miles
DTGW: 78 ft
Last Reading: 1994
Legend
324408104223701
Gates AAC #2
Gates AAC #2
324408104223701
N
400 ft
Google Earth

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 03771	3	1	3	22	18S	26E	558354	3621592*

Driller License: 406 **Driller Company:** TIDWELL, CLYDE J.

Driller Name: TIDWELL, CLYDE J.

Drill Start Date:	04/05/1969	**Drill Finish Date:**	04/11/1969	**Plug Date:**	
Log File Date:	04/14/1969	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	110 feet	**Depth Water:**	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	84	103	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	110

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 09466	3	3	1	22	18S	26E	558353	3621996*

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

Driller Name: MARTIN, DELFORD

Drill Start Date:	12/15/1997	**Drill Finish Date:**	12/16/1997	**Plug Date:**	
Log File Date:	12/24/1997	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	20 GPM
Casing Size:	5.50	**Depth Well:**	160 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	92	154	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	94	154

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

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National Water Information System: Web Interface

USGS Water Resources

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

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- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324408104223701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

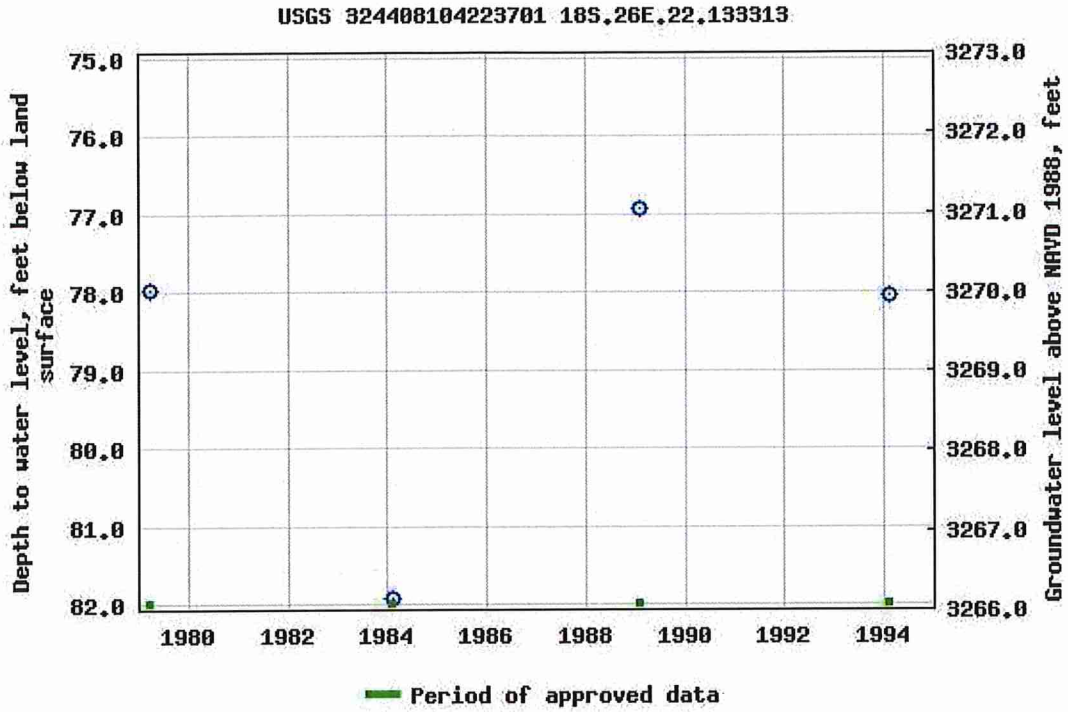
USGS 324408104223701 18S.26E.22.133313

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°44'08", Longitude 104°22'37" NAD27
Land-surface elevation 3,348 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
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- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324421104225301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

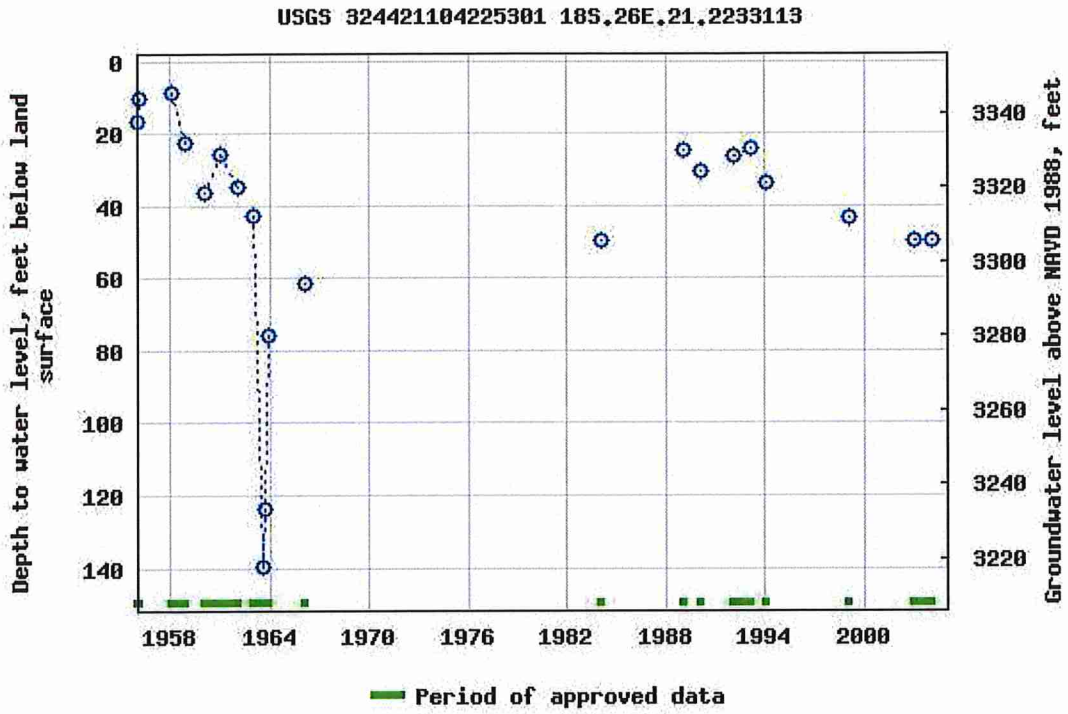
USGS 324421104225301 18S.26E.21.2233113

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

Eddy County, New Mexico
Hydrologic Unit Code 13060010
Latitude 32°44'21", Longitude 104°22'53" NAD27
Land-surface elevation 3,356 feet above NAVD88
The depth of the well is 1,099 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



Breaks in the plot represent a gap of at least one year between field measurements.
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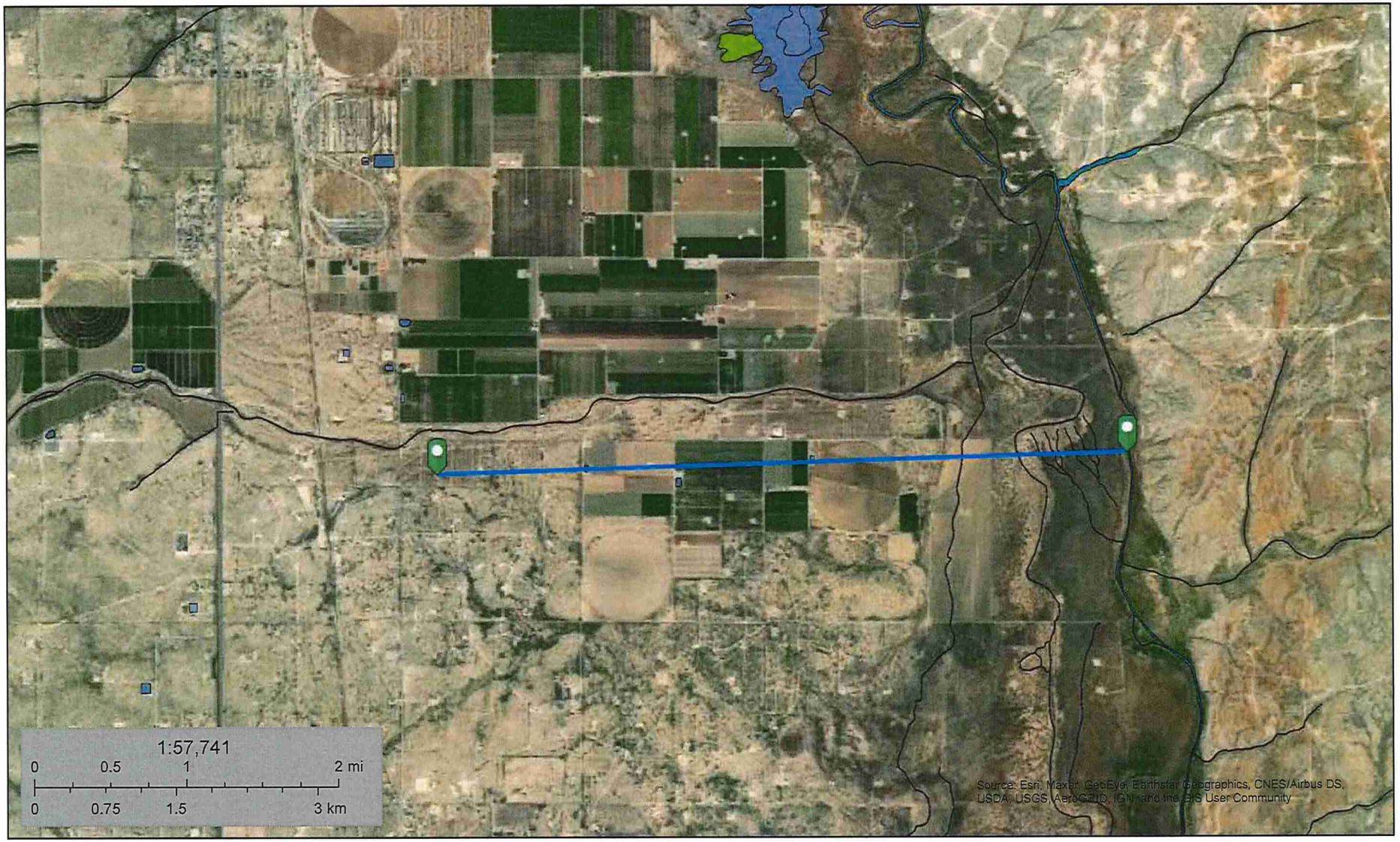
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

U.S. Fish and Wildlife Service

National Wetlands Inventory

Pecos River 20,178ft.



October 10, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- 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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service

National Wetlands Inventory

Nearest Lakebed 14,618ft.

October 10, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
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National Wetlands Inventory (NWI)
This page was produced by the NWI mapper


Gates AAC #002
Nearest Residence - 1,854ft.
Legend
Feature 1
Thistle Rd
43
N Lea Rd
32.73780, -104.37481
Gates AAC 002
N
200 m
Google Earth

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 03340	3	1		22	18S	26E	558454	3622097*

Driller License: 28 **Driller Company:** SMITH, A.F.

Driller Name: SMITH, A.F.

Drill Start Date: 11/28/1958 **Drill Finish Date:** 11/29/1958 **Plug Date:**

Log File Date: 01/12/1959 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** 100 feet **Depth Water:** 60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	100	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	90

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 09466	3	3	1	22	18S	26E	558353	3621996*

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

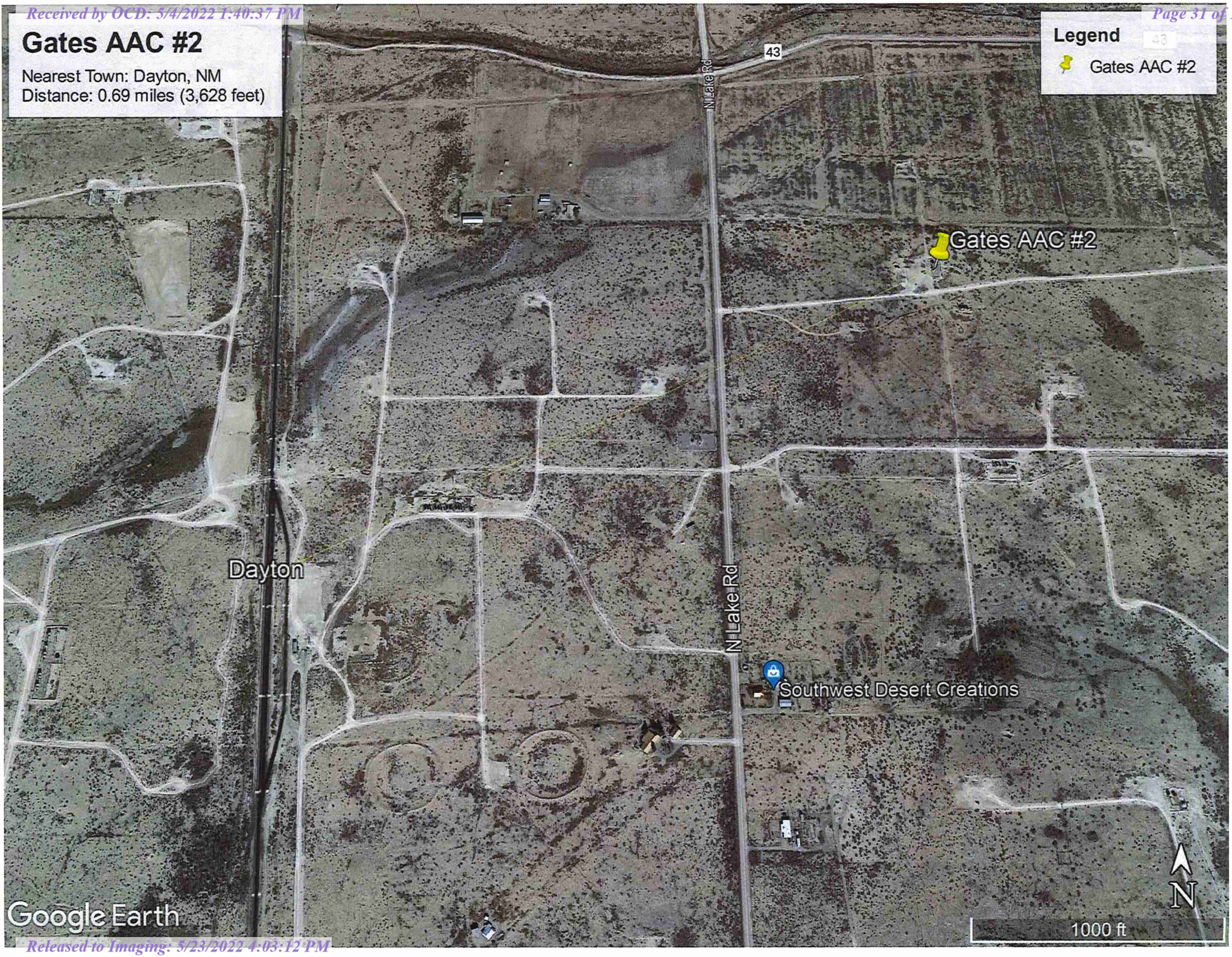
Driller Name: MARTIN, DELFORD

Drill Start Date:	12/15/1997	**Drill Finish Date:**	12/16/1997	**Plug Date:**	
Log File Date:	12/24/1997	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	20 GPM
Casing Size:	5.50	**Depth Well:**	160 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	92	154	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	94	154

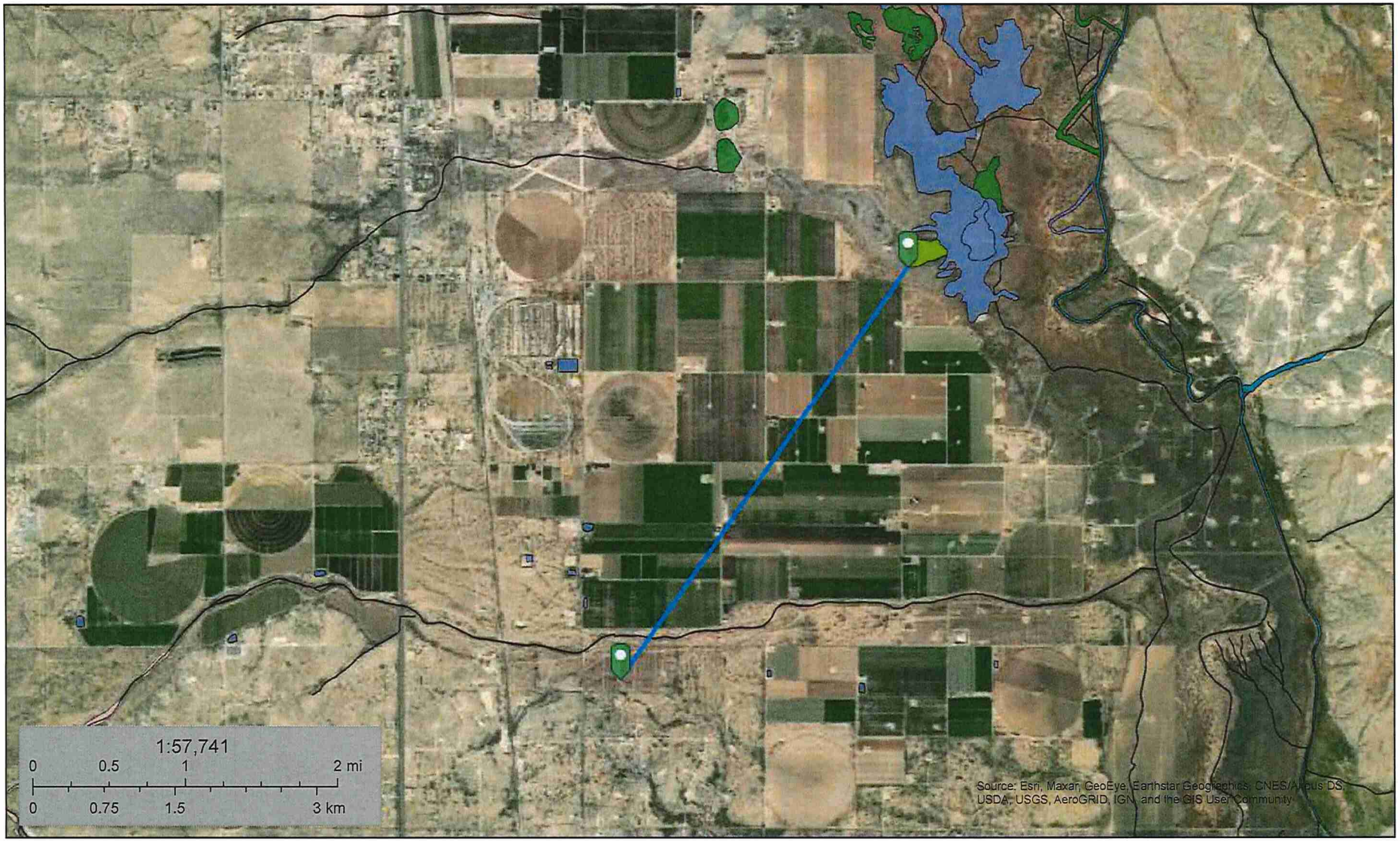
***UTM location was derived from PLSS - see Help**


Gates AAC #2
Nearest Town: Dayton, NM
Distance: 0.69 miles (3,628 feet)
Legend
Gates AAC #2
43
N Lake Rd
Gates AAC #2
Dayton
N Lake Rd
Southwest Desert Creations
N
1000 ft
Google Earth

U.S. Fish and Wildlife Service

National Wetlands Inventory

Nearest Wetland 14,664ft.



October 10, 2021

Wetlands

- Estuarine and Marine Deepwater
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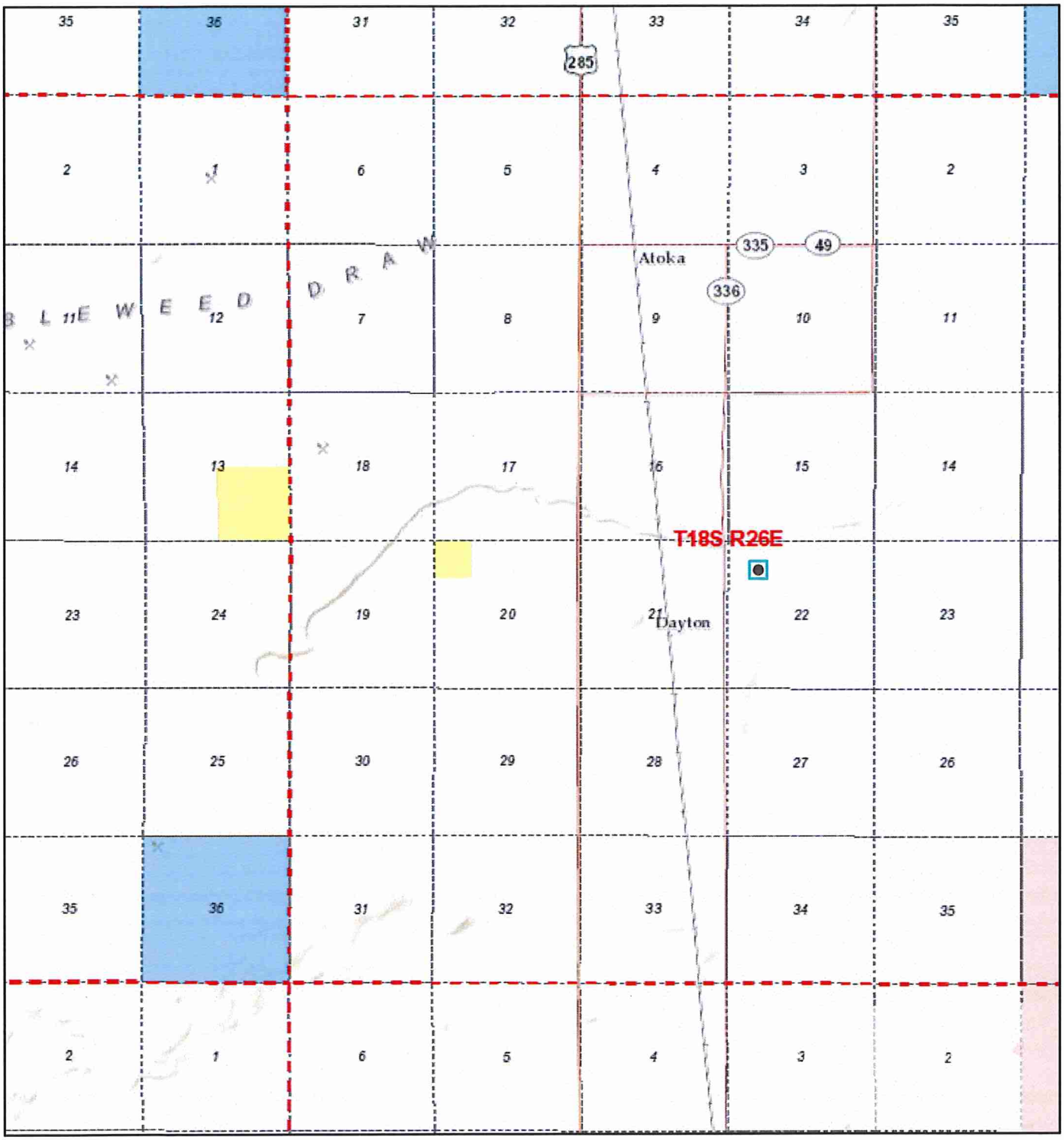
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Active Mines in New Mexico



10/10/2021, 2:17:41 PM

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

- Township / Range
- Sections

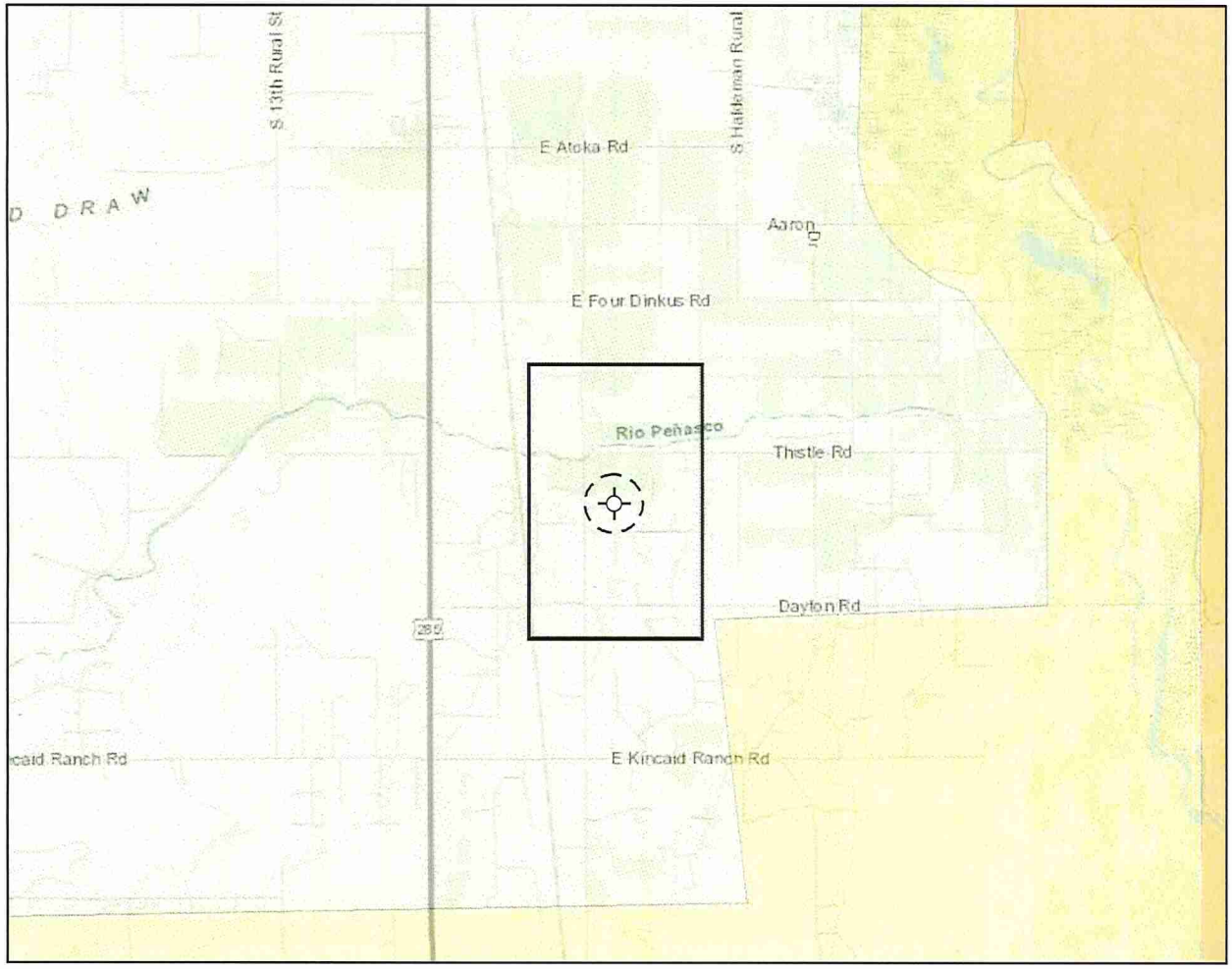
Land Ownership

- Bureau of Land Management
- Bureau of Reclamation
- Department of Agriculture
- Department of Defense
- Department of Energy
- National Park Service
- Private Land
- State Game and Fish
- State Land
- State Parks
- Tribal

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)



Karst Potential

- Critical
- High
- Medium
- Low

Site Location

Site Buffer (1, 000 ft.)

Overview Map

0 0.25 0.5 1 mi

Detail Map

0 600 1,200 ft.

VERTEX

Map Center:
Lat/Long: 32.736068, -104.374953

NAD 1983 UTM Zone 13N
Date: Oct 15/21

N

Karst Potential Map
Gates AAC #002

FIGURE:
X

eog resources

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, ESRI 20XX; Overview Map: ESRI World Topographic

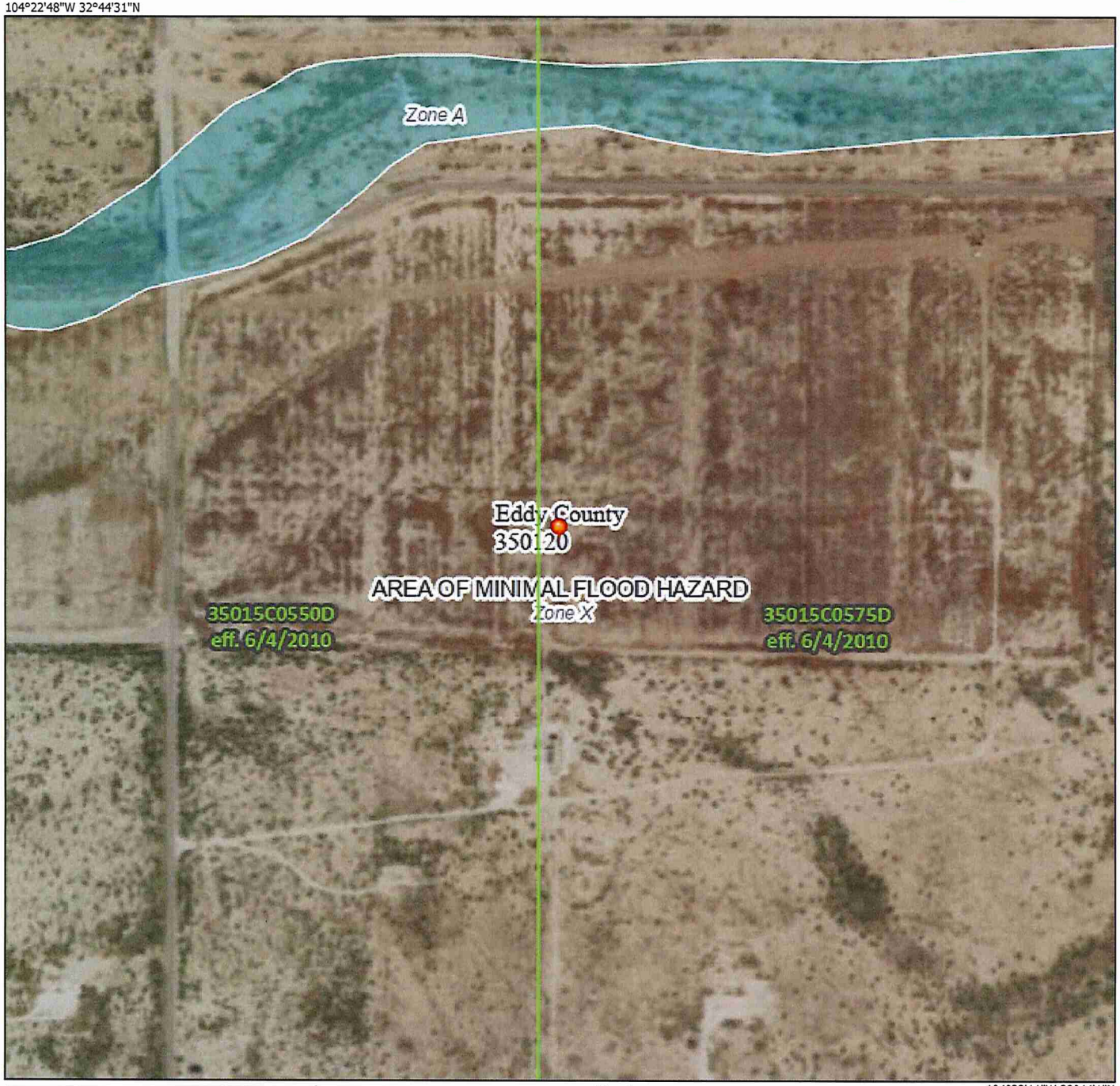
VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects_US PROJECTS\EOG Resources Ind\21E-03278010 - Gates AAC #002\Figure X Karst Potential Map (Gates AAC #002).mxd

National Flood Hazard Layer FIRMette

FEMA

104°22'48"W 32°44'31"N



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

1:6,000

104°22'11"W 32°44'1"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 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*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 **10/10/2021 at 4:22 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.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

October 10, 2021

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

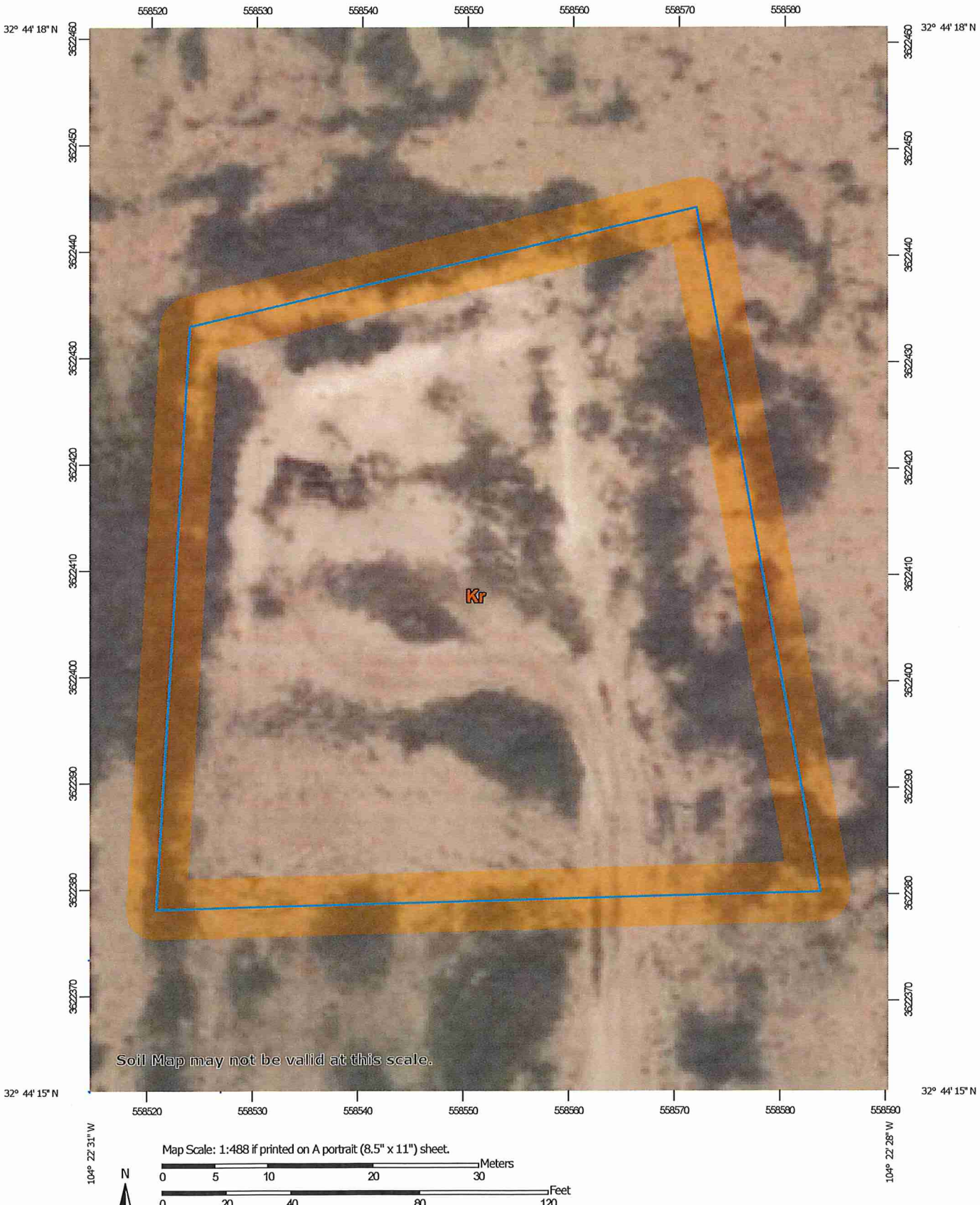
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- 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
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- 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
Kr	Karro loam, 0 to 1 percent slopes	0.8	100.0%
Totals for Area of Interest		**0.8**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

Kr—Karro loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w4v
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 57 to 64 degrees F
Frost-free period: 200 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Karro

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Riser, talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam
H2 - 10 to 90 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 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: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R042XC030NM - Limy
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent

Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

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Ecological Reference Worksheet

Author(s) / participant(s): John Tunberg,

Contact for lead author : 505-761-4488 **Reference site used? Yes/No** No

Date: 2/12/2010 **MLRA:** 42.3 **Ecological Site:** Limy This *must* be verified based on soils and climate (see Ecological Site Description). Current plant community *cannot* be used to identify the ecological site.

Indicators: 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 **each** community within the reference state, when appropriate & **(3)** site data. Continue description on separate sheet.

1. Number and extent of rills There can be a few rills that should be short and discontinuous. 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:

There can be a few flow patterns that should be short and discontinuous. There can be some sheet flow. 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 can be a few pedestals that should be less than 1 inch high. Terracettes can be common and should be discontinuous. 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 make up to 67% of the ground cover on this site according to the ESD. Bare patch size should be less than 2 feet in diameter.

5. Number of gullies and erosion associated with gullies:

Gullies and erosion associated with gullies should be rare are infrequent. Typically, gullies if present will only follow the micro topography. 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

There should not be any wind scoured, blowouts and/or depositional areas. However there can be potential for depositional 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) :

Litter should be small (less than "1 in diameter) and its movement should be minimal. This site has adequate vegetation to stop litter movement after short distances. Most of the litter movement on this site will be litter that has been transported onto the site from adjacent sites. Litter produced on this site stays on the site and only travels short distances.

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) :

This site can be susceptible to alluvial erosion. Stability values are estimated to be 1-2 in interspaces and 3-5 at bases of vegetation.

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) :

The SOM should be less than 1%. A--0 to 3 inches; brown (10YR 5/3) very fine sandy loam, dark yellowish brown (10YR 4/4) moist; weak thin platy structure in upper 1 inch and weak fine granular structure in lower part; soft, very friable, slightly sticky and nonplastic; common very fine, fine and medium roots; strongly effervescent; moderately alkaline (pH 8.0).

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

Infiltration rates should be moderate until it reaches the finer texture soil layer. It should be higher around bases of grasses than in interspaces and around bases of shrubs. Runoff can be slow to medium. Soils are deep and very deep. Surface layers are fine sand, very fine sand, silty clay loam, very fine sandy loam, clay loam and loam. Subsoil textures are loam, clay loam, silty clay loam, sandy clay loam or silt loam. Depth to calcic horizon: 10 to 24 inches, and calcium carbonate equivalent is averaging more than 40 percent. Permeability is moderate and the available water holding capacity is moderate. Because of the high lime content and rather moderately coarse surface textures, the soils are easily windblown if not protected by vegetation.

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

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 greater than (>>) , greater than (>) , and equal to (=) :

Dominant: black grama >>forbs > bush muhly = C4 midgrasses (threeawns) > sand dropseed > C 4 bunch grasses (Arizona cottontop, cane bluestem, plains bristle grass) > Subdominants: shrubs (creosote, tarbush, soaptree yucca, ephedra, fourwing saltbush, winterfat,) > Others: Forbs

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

Black grama and bunchgrasses can show decadence in centers of plants.

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

Average 3% cover and 0.75 inch deep. (As per ESD)

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

(Low Production 500 lbs./ac.) (Average RV Production 925 lbs./ac.) (High Production 1350 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.

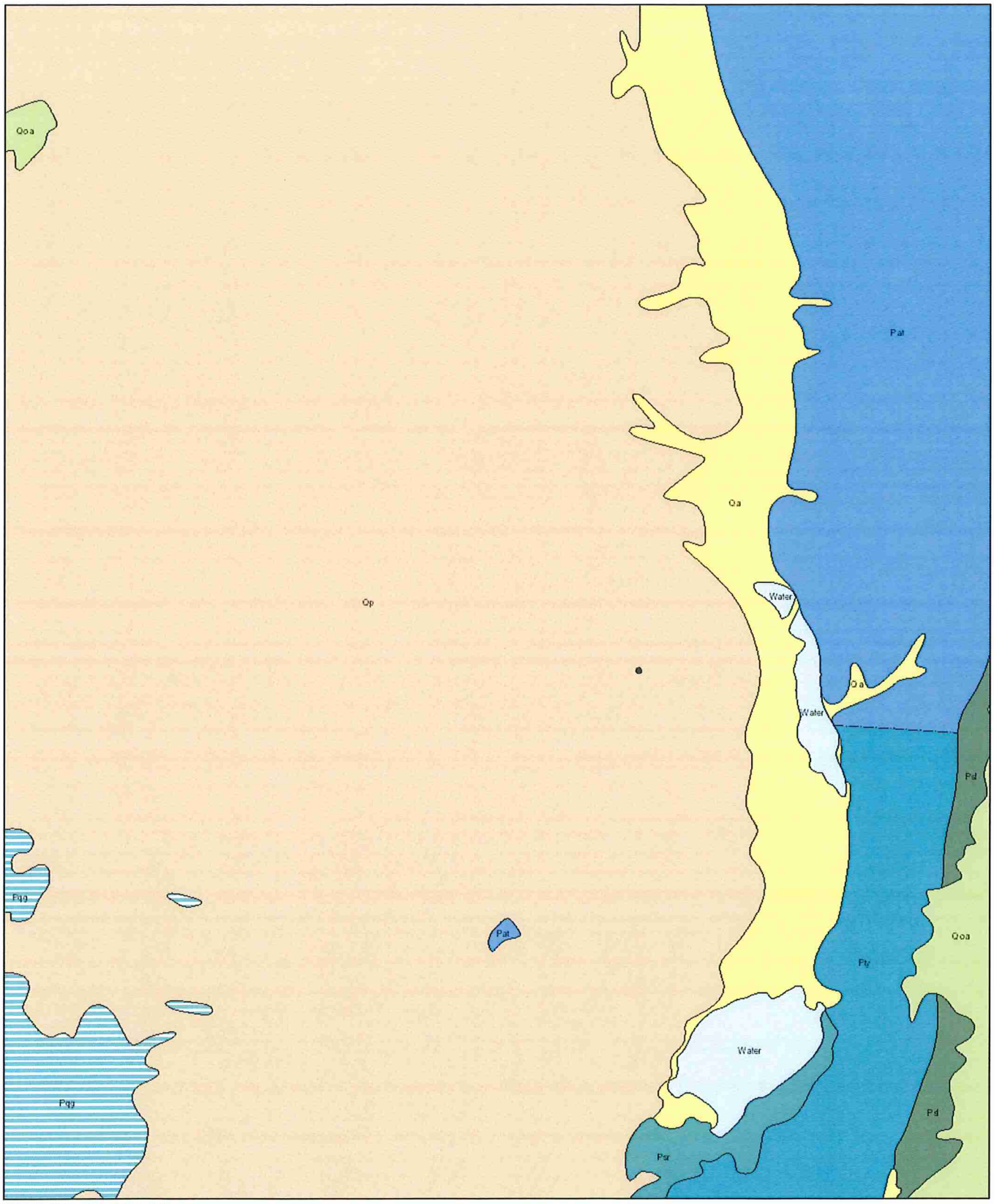
16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do , continue to increase regardless of the management of the site and may eventually dominate

Tarbush, creosote and mesquite can be invaders to this site. Invasive plants should not occur in reference plant community. However, lovegrass, Russian thistle, kochia, and other nonnative annuals may initialy invade following extended disturbance. Mesquite and tarbush 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 tarbush 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 C4 midgrasses should have high reproductive potential and rapidly recover from drought in the absence of additional stresses (grazing).

ArcGIS Web Map



10/10/2021, 2:36:55 PM

Lithologic Contacts	Faults	Dikes
Contact, Exposed	Fault, Exposed	<all other values>
Contact, Gradational	Fault, Intermittent	Dike
Nomenclature change	Fault, Concealed	Dike intruding fault
Map Boundary	Shere Zone	Volcanic Vents

1:144,448

0 1.25 2.5 5 mi

0 2.25 4.5 9 km

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data;

ArcGIS Web AppBuilder

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset,

ATTACHMENT 2

File No.

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well (Pump test)	☐ Construction Site/Public Works Dewatering	☐ Other(Describe):
☒ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

☒ Temporary Request - Requested Start Date: 2/21/2022 Requested End Date: 3/31/2022

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

---

1. APPLICANT(S)

Name: EOG Resources, Inc	Name:
Contact or Agent: Robert Asher — check here if Agent ☐	Contact or Agent: — check here if Agent ☐
Mailing Address: 104 South Fourth Street	Mailing Address:
City: Artesia	City:
State: NM Zip Code: 88210	State: Zip Code:
Phone: 575-748-4217 ☐ Home ☐ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): bob_asher@eogresources.com	E-mail (optional):

FOR OSE INTERNAL USE — Application for Permit, Form WR-07, Rev 11/17/16

File No.:	Trn. No.:	Receipt No.:
Trans Description (optional):		
Sub-Basin:	PCW/LOG Due Date:	

2. **WELL(S)** Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
☐ NM West Zone
☐ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

■ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (If known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (*Quarters or Halves, Section, Township, Range*) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
	32.734210	-104.381822	Unit Letter 'H', Section 21, T18S, R26E

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ■ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:

Well is on land owned by: EOG Resources, Inc.

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? ☐ Yes ■ No
If yes, how many_____

Approximate depth of well (feet): 55'	Outside diameter of well casing (inches): N/A
Driller Name: Hungry Horse, LLC	Driller License Number: 1755

3. **ADDITIONAL STATEMENTS OR EXPLANATIONS**

The borehole will be drilled according to NMOCD request. Depth to water data for the wells within a half mile of the site are all over 25 years old. Attempted to gauge one well and found the well had collapsed. Permission to gauge any other of these wells could not be obtained. As per NMOCD, drill a 55' borehole, wait 72 hrs, and check for presence of water. If water is present driller will notify NMOSE and NMOCD for guidance on possibly converting the well to a monitoring well. If no water is present the well will be plugged.

FOR OSE INTERNAL USE — Application for Permit, Form WR-07

File No.:	Trn No.:

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: ☐ Include a description of any proposed pump test, if applicable.	**Pollution Control and/or Recovery:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge.	**Construction De-Watering:** ☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	**Mine De-Watering:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring: ■ Include the reason for the monitoring well, and, ■ The duration of the planned monitoring.	☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	**Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Robert Asher
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☐ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this _____ day of _____ 20 _____, for the State Engineer,

_____, State Engineer

By: _____ _____
Signature Print

Title: _____
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:	Trn No.:

Full Extent | Previous Extent | Search | Layers | Legend | Report | Print | Share | Map Query | Point Select | Line Measure | Point Markup | Street View | Help

4-153-106-422-234

Hyperlinks

Assessor Property Information

Details

UPC
4-153-106-422-234

Map Number
N/A

Owner
EOG RESOURCES INC

Owner Address1
PO BOX 4362

Owner Address2
N/A

Owner Address City
HOUSTON

Owner Address State
TX

Owner Address Zip Code
772104362

Site Address
DAYTON ROAD

Legal Description
Subd: NORTH DAYTON Lot: 12 Block: 44 LOT 12 MAP# 117-44,12 CAB# 1 22-1 LOC DAYTON ROAD LOT SIZE 25' X 120'

Model Type
Land

Land Acreage
51

Actual Area
1

Tax Area
160_NR

Land Code
106_50_01

Book
N/A

Page
N/A

Layers | 4-153-106-422-234 | World St... | Scale 1: 564 | Go

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmu/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: _____

Name of well owner: EOG Resources, Inc.

Mailing address: 104 South Fourth Street County: Eddy

City: Artesia State: NM Zip code: 88210

Phone number: 575-748-4217 E-mail: bob_asher@gmail.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Hungry Horse, LLC

New Mexico Well Driller License No.: 1755 Expiration Date: 10/14/2023

IV. WELL INFORMATION: ☐ **Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.**

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 44 min, 3.16 sec
Longitude: 104 deg, 22 min, 54.56 sec, NAD 83

2) Reason(s) for plugging well(s):

No water present

3) Was well used for any type of monitoring program? Yes If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? No If yes, provide additional detail, including analytical results and/or laboratory report(s): N/A

5) Static water level: >100 feet below land surface / feet above land surface (circle one)

6) Depth of the well: 55 feet

7) Inside diameter of innermost casing: N/A inches.

8) Casing material: N/A

9) The well was constructed with:

☐ an open-hole production interval, state the open interval: N/A

☐ a well screen or perforated pipe, state the screened interval(s): N/A

10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A

11) Was the well built with surface casing? No If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? N/A If yes, please describe:

N/A

12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

☐ **If plugging method differs between multiple wells on same site, a separate form must be completed for each method.**

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

The borehole will be grouted using a tremie pipe, from the bottom to the surface.

2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 3 bags

4) Type of Cement proposed: Bentonite Pellets

5) Proposed cement grout mix: N/A gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____ batch-mixed and delivered to the site

X mixed on site

7) Grout additives requested, and percent by dry weight relative to cement:

N/A

8) Additional notes and calculations:

N/A

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

72 hours after drilling, the well (32.734210, -104.381822) will be checked for the presence of water. If water is present the NMOSE and NMOCD will be notified for guidance on possible conversion to monitor well. If no water is present the well will be plugged according to NMOSE Well Plugging Handbook, Appendix A, Permit Condition 6E. Within 20 days of well plugging, driller will submit Well Plugging Record WD-11 to NMOSE. The maximum period of time for completion of the operation will be 30 days.

VIII. SIGNATURE:

I, Robert Asher, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant — Date: 3/4/2022

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

_____ Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this _____ day of _____, _____

John R. D'Antonio Jr. P.E., New Mexico State Engineer

By: _____

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	10	0	
Bottom of proposed sealant of grout placement (ft bgl)	55	10	
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	
Proposed abandonment sealant (manufacturer and trade name)	native soil	bentonite	

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MONDAY

7 MARCH 2022

by 6:00pm

USPS Tracking Plus® Available

Delivered, Individual Picked Up at Postal Facility

March 7, 2022 at 7:32 am
SANTA FE, NM 87501

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FAQs

Feedback

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO (WELL NO)	WELL TAG ID NO	OSE FILE NO(S)
POD1		RA-13158

WELL OWNER NAME(S)	PHONE (OPTIONAL)
EOG Resources, Inc	575-748-4217

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
104 South Fourth Street	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	44	3.16	N
	LONGITUDE	04	22	54.56	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Unit Letter "H", Section 21, T 18S, R 26E

2. DRILLING & CASING INFORMATION

LICENSE NO	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1755	John Norris	Hungry Horse, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
04/04/2022	04/04/2022		55	NA

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): NA

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			No Casing				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
1	55	6	Bentonite Chips	10.8	~~tremie~~ top

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	Surface sand/rock mix	Y ✓ N	
10	40	30	rock/sand mix	Y ✓ N	
40	50	10	clay	Y ✓ N	
50	55	5	sand	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: Not tested

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: The borehole was drilled according to NMOCD request as no water wells exist within a half-mile radius of a release site. As per NMOCD, drill a 55' borehole, wait 72 hours, then gauge for presence of water. No water was present so borehole was plugged.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Dean Parent

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

John Norris — 04/15/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13158 POD1

Well owner: EOG Resources, Inc Phone No.: 575-748-4217

Mailing address: 104 South Fourth Street

City: Artesia State: NM Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Hungry Horse, LLC

2) New Mexico Well Driller License No.: 1755 Expiration Date: 10/14/2023

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): John Norris

4) Date well plugging began: 04/12/2022 Date well plugging concluded: 04/12/2022

5) GPS Well Location: Latitude: 32 deg, 44 min, 3.16 sec
Longitude: 104 deg, 22 min, 54.56 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: measuring tape

7) Static water level measured at initiation of plugging: NA ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 3/24/2022

9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009
Page 1 of 2

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Bentonite pellets	80.79		top	

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

III. SIGNATURE:

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

Signature of Well Driller

04/15/2022
Date

ATTACHMENT 3

Daily Site Visit Report

VERTEX

Client:	EOG Resources Inc.	Inspection Date:	4/4/2022
Site Location Name:	Gates AAC #2	Report Run Date:	4/4/2022 11:26 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	4/4/2022 8:30 AM
Departed Site	4/4/2022 12:45 PM

Field Notes

9:29 Drilling GW well at 32.734210, -104.381822

9:33 Waiting for Hungry Horse to arrive on site and start setting up

11:57 Drilling complete to 55' after about 50 minutes

12:23 Well required no casing, and will be left covered until DTGW can be established on Wednesday

12:40 Taking down rig

12:47 Mileage for Gates 31

Next Steps & Recommendations

1 Return on Wednesday to probe well

Daily Site Visit Report

VERTEX

Site Photos

Viewing Direction: Northeast

Site

Viewing Direction: West

Setting up

Viewing Direction: Southeast

Below 30'

Viewing Direction: Southeast

Samples assessed

Daily Site Visit Report

VERTEX

Viewing Direction: Southwest

Packing up

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Sally Carttar

Signature: 

VERTEX

Client Name	Borehole Location	Start Date 4/4/22	Logged by MJP/SC	Northing	
Project Number 22F-00123	Borehole No. RH22-01	End Date	Checked by	Easting	
Project Name Gates AAC	Borehole Diameter (in)	Drilling Company Hungry Horse	Top of Well Elevation (m or ft)	UTM Zone	
Project Location	Total Depth (m or ft)	Drilling Method Air Rotary	Depth to Water (m or ft)	Page of	

Top (m or ft)	Bottom (m or ft)	% Major (>50%)		% Minor (10-40%)		% Trace (<10%)		Gradation	Grain Size		Moisture	Plasticity	Color	Notes
		Fine	Coarse	Fine	Coarse	Fine	Coarse	(Major and Coarse only)	Major	Minor				
0	0	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Poorly Graded / Well Graded	Fine / Medium / Coarse	Fine / Medium / Coarse	Dry / Damp / Moist / Wet / Saturated	Non Plastic / Slightly Plastic / Plastic / Very Plastic	light grey brown	
Top	Bottom													
0	5 10	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Poorly Graded / Well Graded	Fine / Medium / Coarse	Fine / Medium / Coarse	Dry / Damp / Moist / Wet / Saturated	Non Plastic / Slightly Plastic / Plastic / Very Plastic	11	
Top	Bottom													
0	10 20	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Poorly Graded / Well Graded	Fine / Medium / Coarse	Fine / Medium / Coarse	Dry / Damp / Moist / Wet / Saturated	Non Plastic / Slightly Plastic / Plastic / Very Plastic	light yellow	Sparkly Caliche
Top	Bottom													
0	15 30	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Poorly Graded / Well Graded	Fine / Medium / Coarse	Fine / Medium / Coarse	Dry / Damp / Moist / Wet / Saturated	Non Plastic / Slightly Plastic / Plastic / Very Plastic	11	Caliche
Top	Bottom													
0	20 40	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Clay / Silt	Sand / Gravel	Poorly Graded / Well Graded	Fine / Medium / Coarse	Fine / Medium / Coarse	Dry / Damp / Moist / Wet / Saturated	Non Plastic / Slightly Plastic / Plastic / Very Plastic	lt. brown	Caliche

Field Screening																		
Depth (m or ft)																		
CVC/VOC (ppm or LEL)																		
EC (µS/m or µS/cm)																		
Lab Sampling (Check Box)																		

VERTEX

Client Name	Borehole Location	Start Date	Logged by	Northing
Project Number	Borehole No.	End Date	Checked by	Easting
Project Name	Borehole Diameter (in)	Drilling Company	Top of Well Elevation (m or ft)	UTM Zone
Project Location	Total Depth (m or ft)	Drilling Method	Depth to Water (m or ft)	Page of

Top (m or ft)	Bottom (m or ft)	% Major (>50%)		% Minor (10-40%)		% Trace (<10%)		Gradation	Grain Size		Moisture	Plasticity	Color	Notes
		Fine	Coarse	Fine	Coarse	Fine	Coarse	(Major and Coarse only)	Major	Minor				
0	30 56	Clay Silt	Sand Gravel	Clay	Sand Gravel	Clay Silt	Sand Gravel	Poorly Graded Well Graded	Fine Medium Coarse	Fine Medium Coarse	Dry Damp Moist Wet Saturated	Non Plastic Slightly Plastic Plastic Very Plastic	White	Caliche
Top	Bottom													
0	40 55	Clay Silt	Sand Gravel	Clay	Sand Gravel	Clay Silt	Sand Gravel	Poorly Graded Well Graded	Fine Medium Coarse	Fine Medium Coarse	Dry Damp Moist Wet Saturated	Non Plastic Slightly Plastic Plastic Very Plastic	wh lt. Brown	
Top	Bottom													
0	50	Clay Silt	Sand Gravel	Clay Silt	Sand Gravel	Clay Silt	Sand Gravel	Poorly Graded Well Graded	Fine Medium Coarse	Fine Medium Coarse	Dry Damp Moist Wet Saturated	Non Plastic Slightly Plastic Plastic Very Plastic	lt. Brown yellow	Silt clumping
Top	Bottom													
0	55	Clay Silt	Sand Gravel	Clay Silt	Sand Gravel	Clay Silt	Sand Gravel	Poorly Graded Well Graded	Fine Medium Coarse	Fine Medium Coarse	Dry Damp Moist Wet Saturated	Non Plastic Slightly Plastic Plastic Very Plastic	grey lt. brown	
Top	Bottom													
		Clay Silt	Sand Gravel	Clay Silt	Sand Gravel	Clay Silt	Sand Gravel	Poorly Graded Well Graded	Fine Medium Coarse	Fine Medium Coarse	Dry Damp Moist Wet Saturated	Non Plastic Slightly Plastic Plastic Very Plastic		

Field Screening																		
Depth (m or ft)																		
CVC/VOC (ppm or LEL)																		
EC (µS/m or µS/cm)																		
Lab Sampling (Check Box)																		

Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	4/6/2022
Site Location Name:	Gates AAC #2	Report Run Date:	4/7/2022 11:34 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	4/6/2022 7:55 AM
Departed Site	4/6/2022 8:40 AM

Field Notes

8:19 Well dry at 55'

8:22 DTGW > 50'

8:28 Borehole covered back up until it can be plugged

Next Steps & Recommendations

1 Have Hungry Horse return to plug well

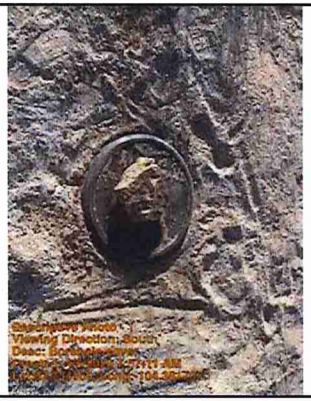
2 Continue with gates site closure

Daily Site Visit Report

VERTEX

Site Photos

Viewing Direction: South

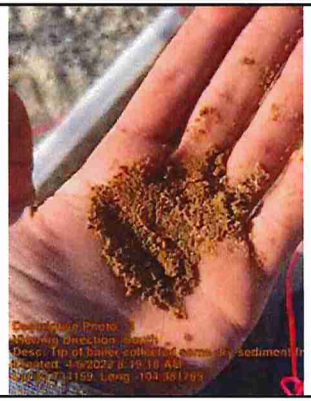


Borehole cover

Viewing Direction: Southwest

Bailer at bottom

Viewing Direction: South



Tip of bailer collected some dry sediment from bottom of borehole

Viewing Direction: East

Dry

Daily Site Visit Report

Viewing Direction: South

Cover replaced

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Sally Carttar

Signature: 

Daily Site Visit Report

VERTEX

Client:	EOG Resources Inc.	Inspection Date:	4/11/2022
Site Location Name:	Gates AAC #2	Report Run Date:	4/11/2022 5:55 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	4/11/2022 9:45 AM
Departed Site	4/11/2022 10:32 AM

Field Notes

9:50 Second bailing of borehole to determine dtgw if water has accumulated inside borehole

9:51 Borehole walls have stability to hold up without the use of casing

10:00 Used 100 ft of rope to attach to bailer and dropped all the way to the bottom with about 6 ft rope remaining above hole to ensure bailer hit bottom and allow time for any water accumulation

10:01 Pulled bailer back to surface and came back up dry

10:05 Complete field work and inform driller to plug borehole

Next Steps & Recommendations

1 Driller to come and plug well with betonite

2 Submit appropriate paperwork

Daily Site Visit Report

VERTEX

Site Photos

Viewing Direction: Southeast

Borehole

Viewing Direction: East

Open hole

Viewing Direction: East

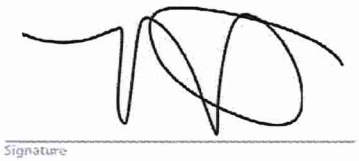
Bailer

Daily Site Visit Report

VERTEX

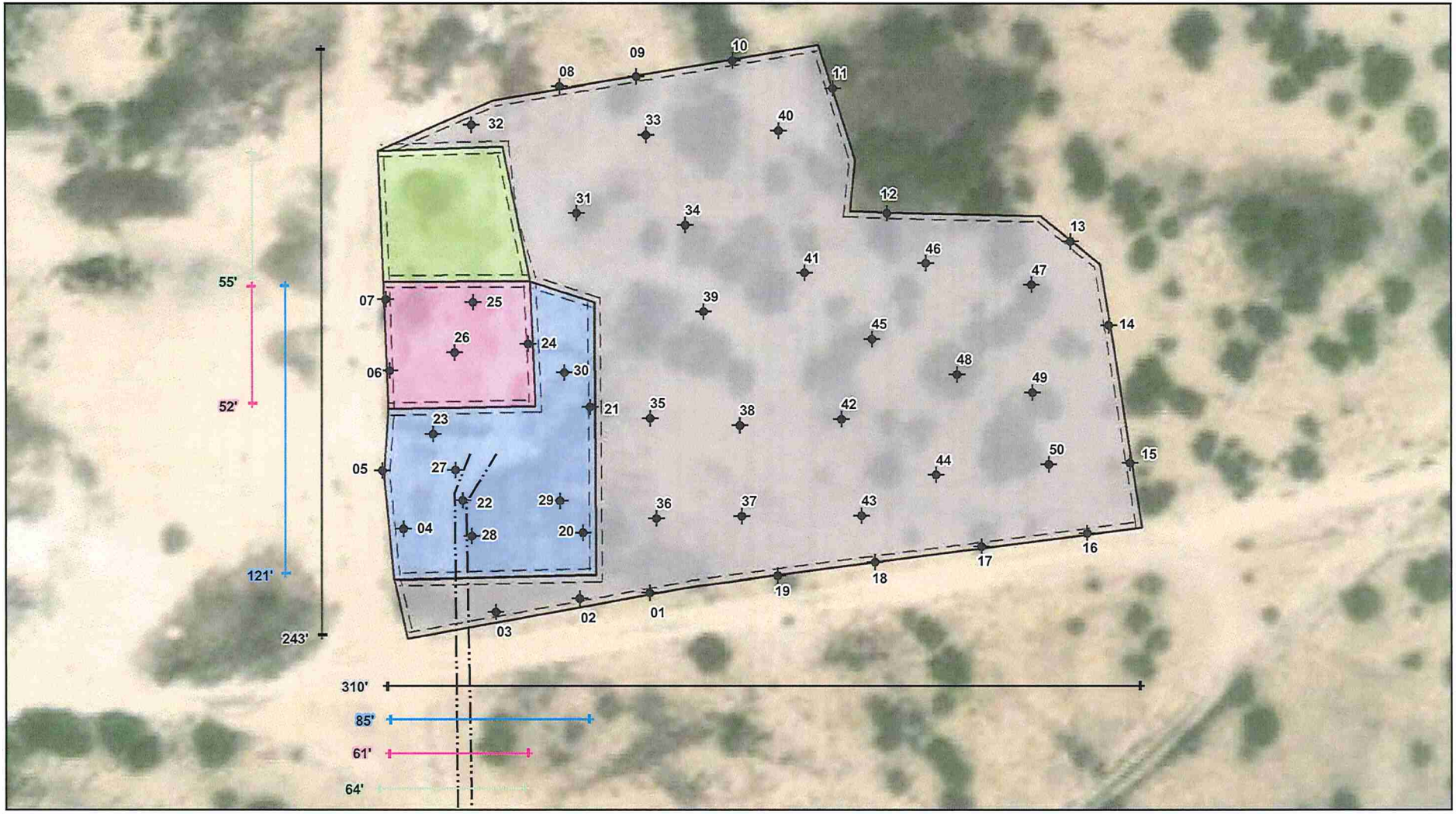
Daily Site Visit Signature

Inspector: Monica Peppin

Signature: 

Signature

ATTACHMENT 4



Borehole (Excavated) (Prefixed by "BH22-")

Pipeline (Underground)

Excavation (depth 4 ft.) - 41,292 sq. ft.

Excavation (depth 6 ft.) - 3,002 sq. ft.

Excavation (depth 8ft.) - 7,056 sq. ft.

Excavation (depth 20 ft.) - 3,095 sq. ft.

VERTEX

0 7.5 15 30 45 ft

Map Center:
Lat/Long: 32.736065, -104.374469

NAD 1983 UTM Zone 13N
Date: Apr 21/22

N

Current Excavation
Gates AAC Battery

FIGURE:
1

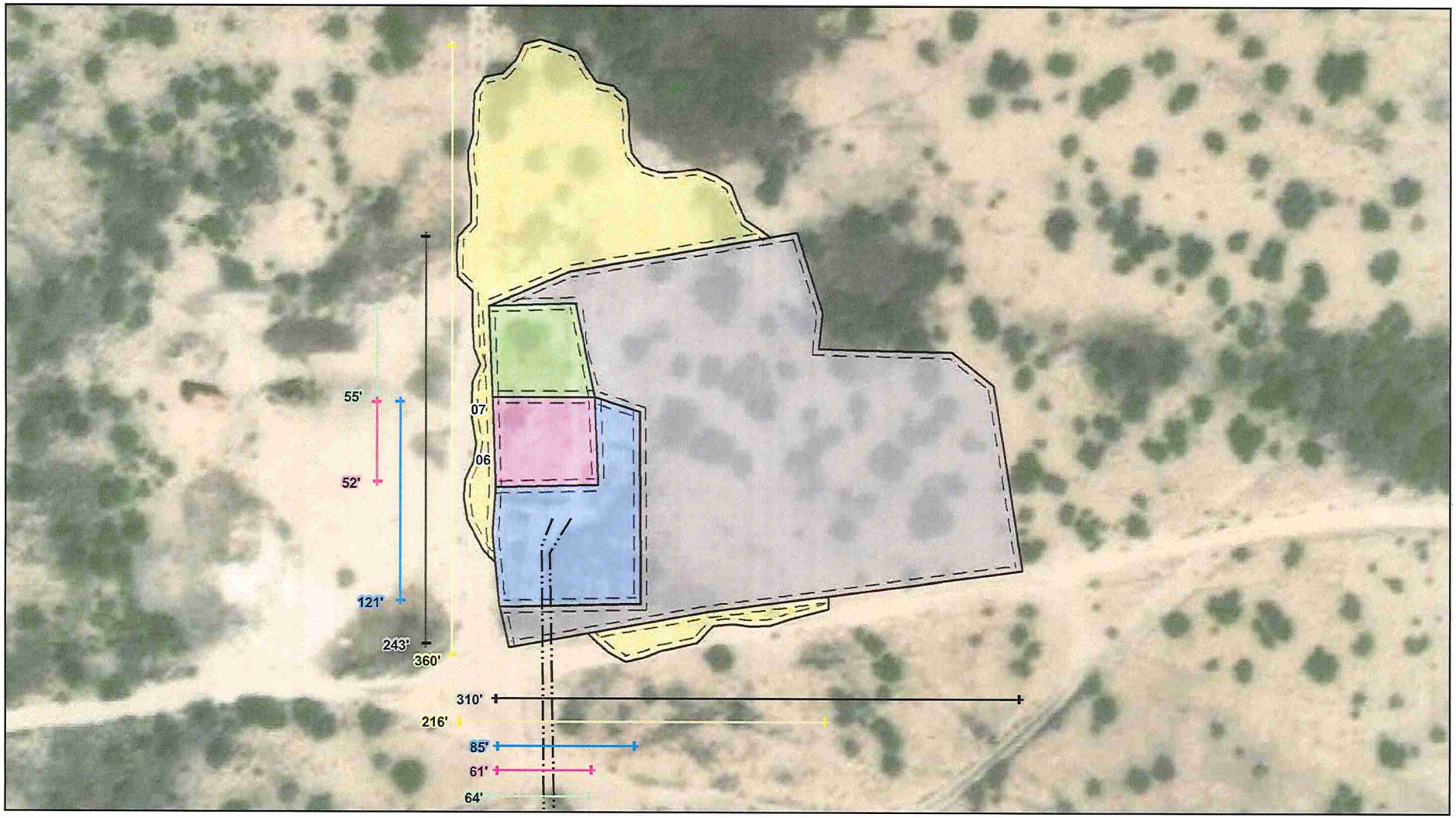
eog resources

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Imagery from ESRI, 2020. Borehole locations from GPS, Vertex Professional Services, Ltd., 2021.

VERSATILITY. EXPERTISE.

Document Path: G:\1-Projects_US PROJECTS\EOG Resources Inc\22E-00124\02 Gates AAC #2\Figure 2 Current Excavation Gates AAC #2.mxd



Pipeline (Underground)

Excavation (depth 4 ft.) - 41,292 sq. ft.

Excavation (depth 6 ft.) - 3,002 sq. ft.

Excavation (depth 8ft.) - 7,056 sq. ft.

Excavation (depth 20 ft.) - 3,095 sq. ft.

Additional Excavation (depth 4 ft.) - 18,545 sq. ft.

VERTEX

0 15 30 60 90 ft

Map Center:
Lat/Long: 32.736188, -104.374478

NAD 1983 UTM Zone 13N
Date: Apr 20/22

N

Additional Excavation
Gates AAC Battery

FIGURE:
2

eog resources

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Imagery from ESRI, 2020. Borehole locations from GPS, Vertex Professional Services, Ltd., 2021.

VERSATILITY. EXPERTISE.

Document Path: G:\11-Projects_US PROJECTS\EOG Resources Inc\22E-00124\02 Gates AAC #2\Figure 3 Additional Excavation Gates AAC #2.mxd

ATTACHMENT 5

Client Name: EOG Resources, Inc.
Site Name: Gates AAC Battery
NMOCD Tracking #: nAPP2127258746
Project #: 22E-00124-02
Lab Reports: E201130, E201131

Table 2. Excavation Characterization Sample Laboratory Results - Depth to Groundwater 51-100 feet bgs

Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH22-01	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	842
BH22-02	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1350
BH22-03	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	505
BH22-03	4-8	1/25/2022	ND	ND	ND	ND	ND	ND	ND	776
BH22-04	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	373
BH22-05	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	67.6
BH22-06	0-10	1/25/2022	ND	ND	ND	ND	ND	ND	ND	3630
BH22-06	10-20	1/25/2022	ND	ND	ND	49.3	ND	49.3	49.3	5060
BH22-07	0-4	1/25/2022	ND	ND	ND	127	100	127	227	1260
BH22-08	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	253
BH22-09	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	698
BH22-10	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	156
BH22-11	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	88
BH22-12	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	200
BH22-13	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	40.2
BH22-14	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	115
BH22-15	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	38
BH22-16	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	93.6
BH22-17	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	195
BH22-18	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	229
BH22-19	0-4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1010
BH22-20	4-8	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1160
BH22-21	4-8	1/25/2022	ND	ND	ND	ND	ND	ND	ND	998
BH22-22	4-8	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1050
BH22-23	4-10	1/25/2022	ND	ND	ND	ND	ND	ND	ND	2100
BH22-23	10-20	1/25/2022	ND	ND	ND	ND	ND	ND	ND	2080
BH22-24	10-20	1/25/2022	ND	ND	ND	ND	ND	ND	ND	7410
BH22-25	10-20	1/25/2022	ND	ND	ND	ND	ND	ND	ND	10600
BH22-26	20	1/25/2022	ND	ND	ND	87.9	ND	87.9	87.9	5550
BH22-27	8	1/25/2022	ND	ND	ND	31.4	ND	31.4	31.4	1780
BH22-28	8	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1320
BH22-29	8	1/25/2022	ND	ND	ND	58.6	ND	58.6	58.6	1540
BH22-30	8	1/25/2022	ND	ND	ND	ND	ND	ND	ND	2010
BH22-31	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1830
BH22-32	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	752
BH22-33	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1670
BH22-34	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	846
BH22-35	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	356
BH22-36	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	1080

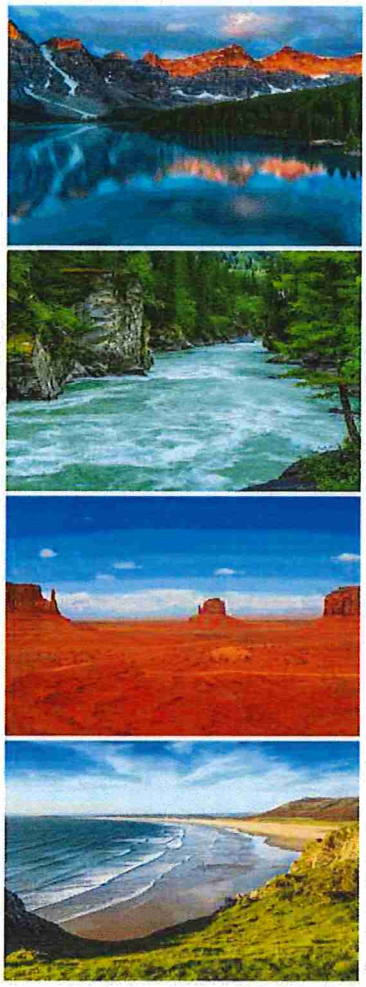
BH22-37	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	2480
BH22-38	4	1/25/2022	ND	ND	ND	49.1	ND	49.1	49.1	467
BH22-39	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	445
BH22-40	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	467
BH22-41	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	715
BH22-42	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	501
BH22-43	4	1/25/2022	ND	ND	ND	110	ND	110	110	81
BH22-44	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	875
BH22-45	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	299
BH22-46	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	98.9
BH22-47	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	129
BH22-48	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	101
BH22-49	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	55.3
BH22-50	4	1/25/2022	ND	ND	ND	ND	ND	ND	ND	327

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria
Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria

ATTACHMENT 6

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:	Gates AAC #2
Work Order:	E201130
Job Number:	19034-0001
Received:	1/26/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/22

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: 1/28/22

Monica Peppin
104 South 4th Street
Artesia, NM 88210

Project Name: Gates AAC #2
Workorder: E201130
Date Received: 1/26/2022 6:30:00PM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2022 6:30:00PM, under the Project Name: Gates AAC #2.

The analytical test results summarized in this report with the Project Name: Gates AAC #2 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

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Laboratory Administrator
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ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	01/28/22 15:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH22-01 0-4'	E201130-01A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-02 0-4'	E201130-02A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-03 0-4'	E201130-03A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-03 4-8'	E201130-04A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-04 0-4'	E201130-05A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-05 0-4'	E201130-06A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-06 0-10'	E201130-07A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-06 10-20'	E201130-08A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-07 0-8'	E201130-09A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-08 0-4	E201130-10A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-09 0-4	E201130-11A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-10 0-4	E201130-12A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-11 0-4	E201130-13A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-12 0-4	E201130-14A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-13 0-4	E201130-15A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-14 0-4	E201130-16A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-15 0-4	E201130-17A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-16 0-4	E201130-18A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-17 0-4	E201130-19A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-18 0-4	E201130-20A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-19 0-4'	E201130-21A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-20 4-8	E201130-22A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-21 4-8'	E201130-23A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-22 4-8'	E201130-24A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-23 4-10'	E201130-25A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-23 10-20'	E201130-26A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-24 10-20'	E201130-27A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-25 10-20'	E201130-28A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-01 0-4'

E201130-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*80.5 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**842**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-02 0-4'

E201130-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**1350**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-03 0-4'

E201130-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**505**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-03 4-8'

E201130-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*88.6 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**776**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-04 0-4'

E201130-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**373**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-05 0-4'

E201130-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*99.4 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**67.6**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-06 0-10'

E201130-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*95.9 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**3630**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-06 10-20'

E201130-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	**49.3**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**5060**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-07 0-8'

E201130-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	**127**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	**100**	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**1260**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-08 0-4

E201130-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**253**	40.0	2	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-09 0-4

E201130-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**698**	40.0	2	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-10 0-4

E201130-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**156**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-11 0-4

E201130-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**88.0**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-12 0-4

E201130-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**200**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-13 0-4

E201130-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**40.2**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-14 0-4

E201130-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**115**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-15 0-4

E201130-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**38.0**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-16 0-4

E201130-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**93.6**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-17 0-4

E201130-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	**378**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*87.3 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**195**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-18 0-4

E201130-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205055
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205045
Chloride	**229**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-19 0-4'

E201130-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**1010**	20.0	1	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-20 4-8

E201130-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*92.1 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**1160**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-21 4-8'

E201130-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**998**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-22 4-8'

E201130-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**1050**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-23 4-10'

E201130-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**2100**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-23 10-20'

E201130-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**2080**	40.0	2	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-24 10-20'

E201130-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**7410**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

BH22-25 10-20'

E201130-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	**408**	50.0	2	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	**325**	100	2	01/26/22	01/27/22	
Surrogate: n-Nonane		*73.3 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205051
Chloride	**10600**	400	20	01/26/22	01/27/22	

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205054-BLK1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS (2205054-BS1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	4.34	0.0250	5.00		86.8	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.1	70-130			
Toluene	4.65	0.0250	5.00		93.0	70-130			
o-Xylene	4.45	0.0250	5.00		89.1	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2205054-MS1)				**Source: E201137-02**				Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	4.78	0.0250	5.00	ND	95.5	54-133			
Ethylbenzene	4.95	0.0250	5.00	ND	98.9	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.7	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
Matrix Spike Dup (2205054-MSD1)				**Source: E201137-02**				Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	4.83	0.0250	5.00	ND	96.7	54-133	1.22	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133	0.844	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	0.991	20	
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131	0.730	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.596	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.640	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.8*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205055-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			
LCS (2205055-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	4.24	0.0250	5.00		84.8	70-130			
Ethylbenzene	4.27	0.0250	5.00		85.4	70-130			
Toluene	4.39	0.0250	5.00		87.7	70-130			
o-Xylene	4.37	0.0250	5.00		87.4	70-130			
p,m-Xylene	8.68	0.0500	10.0		86.8	70-130			
Total Xylenes	13.0	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.4*	*70-130*			
Matrix Spike (2205055-MS1)				**Source: E201130-04**					Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	4.31	0.0250	5.00	ND	86.3	54-133			
Ethylbenzene	4.34	0.0250	5.00	ND	86.9	61-133			
Toluene	4.46	0.0250	5.00	ND	89.2	61-130			
o-Xylene	4.44	0.0250	5.00	ND	88.9	63-131			
p,m-Xylene	8.84	0.0500	10.0	ND	88.4	63-131			
Total Xylenes	13.3	0.0250	15.0	ND	88.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.7*	*70-130*			
Matrix Spike Dup (2205055-MSD1)				**Source: E201130-04**					Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	4.43	0.0250	5.00	ND	88.5	54-133	2.59	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.9	61-133	2.32	20	
Toluene	4.57	0.0250	5.00	ND	91.4	61-130	2.53	20	
o-Xylene	4.55	0.0250	5.00	ND	91.1	63-131	2.44	20	
p,m-Xylene	9.04	0.0500	10.0	ND	90.4	63-131	2.20	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.6	63-131	2.28	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205054-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.06*		*8.00*		*101*	*70-130*			
LCS (2205054-BS2)									Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.29*		*8.00*		*104*	*70-130*			
Matrix Spike (2205054-MS2)				**Source: E201137-02**					Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.34*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2205054-MSD2)				**Source: E201137-02**					Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130	1.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.35*		*8.00*		*104*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205055-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
LCS (2205055-BS2)									Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2205055-MS2)				**Source: E201130-04**					Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike Dup (2205055-MSD2)				**Source: E201130-04**					Prepared: 01/26/22 Analyzed: 01/27/22
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	3.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205047-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*50-200*			
LCS (2205047-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	473	25.0	500		94.7	38-132			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
Matrix Spike (2205047-MS1)				**Source: E201130-19**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	777	25.0	500	378	79.7	38-132			
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			
Matrix Spike Dup (2205047-MSD1)				**Source: E201130-19**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	734	25.0	500	378	71.2	38-132	5.61	20	
Surrogate: n-Nonane	*44.2*		*50.0*		*88.5*	*50-200*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205048-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*50-200*			
LCS (2205048-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	492	25.0	500		98.3	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
Matrix Spike (2205048-MS1)				**Source: E201130-21**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.5*	*50-200*			
Matrix Spike Dup (2205048-MSD1)				**Source: E201130-21**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.6	38-132	2.83	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205045-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	ND	20.0							
LCS (2205045-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2205045-MS1)				**Source: E201130-01**					Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	1020	20.0	250	842	70.2	80-120			M2
Matrix Spike Dup (2205045-MSD1)				**Source: E201130-01**					Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	1160	20.0	250	842	128	80-120	13.3	20	M2

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 3:30:11PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205051-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	ND	20.0							
LCS (2205051-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2205051-MS1)				**Source: E201130-21**					Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	1290	20.0	250	1010	111	80-120			
Matrix Spike Dup (2205051-MSD1)				**Source: E201130-21**					Prepared: 01/26/22 Analyzed: 01/27/22
Chloride	1290	20.0	250	1010	110	80-120	0.269	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:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	01/28/22 15:30

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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 - Bob Asher
Project: Gates AAC #2
Sampler: SPC
Phone: 575-361-9880
Email(s): mpeppin@vertex.ca
Project Manager: Monica Peppin

RUSH? ☑ 1d ☐ 3d

Lab Use Only
Lab WO# PE201130
Job Number 19034-0001

Page 1 of 3

Sample ID		Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TPH 8015D					Lab Number	Correct Cont/Prsrv (s) Y/N
BH22-01	0-4'	1/25	1:00	Soil	4oz		✓		✓	✓					1	
BH22-02	0-4'		1:05												2	
BH22-03	0-4'		1:10												3	
BH22-03	4-8'		1:15												4	
BH22-04	0-4'		1:20												5	
BH22-05	0-4'		1:25												6	
BH22-06	0-10'		1:30												7	
BH22-06	10-20'		1:35												8	
BH22-07	0-8		1:40												9	
BH22-08	0-4		1:45												10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26	9:20		1.26.22	920
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1.26.22	1305	Caitlin Christo	1/26/22	18:30

Lab Use Only
**Received on Ice (Y) / N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, 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 to a secure drop off area.

Chain of Custody

Notes/Billing info:
Direct bill EOG cc: M. Peppin report

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879

Client: EOG - Bob Asher
Project: Gates AAC #2
Sampler: SPC
Phone: 575-361-9880
Email(s): mpeppin@vertex.ca
Project Manager: Monica Peppin

RUSH? ☑ 1d ☐ 3d

Lab Use Only
Lab WO# PE201130
Job Number 19034-0001

Page 2 of 3

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TPH 8015D	Lab Number	Correct Cont/Prsrv (s) Y/N
BH22-09 0-4	1/25	1:50	Soil	4oz		✓		✓	✓	11	
BH22-10 0-4		1:55								12	
BH22-11 0-4		2:00								13	
BH22-12 0-4		2:05								14	
BH22-13 0-4		2:10								15	
BH22-14 0-4		2:15								16	
BH22-15 0-4		2:20								17	
BH22-16 0-4		2:25								18	
BH22-17 0-4		2:30								19	
BH22-18 0-4		2:35								20	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26	9:20		1.26.22	920
	1.26.22	1305	Cartter Chastain	1/26/22	18:30

Lab Use Only
**Received on Ice (Y) N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, 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 to a secure drop off area.

Chain of Custody

Notes/Billing info:
Direct bill EOG cc: M. Peppin report

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory.envirotech-inc.com

Client: EOG - Bob Asher
Project: Gates AAC #2
Sampler: SPC
Phone: 575-361-9880
Email(s): mpeppin@vertex.ca
Project Manager: Monica Peppin

RUSH? ✓ 1d 3d

Lab Use Only
Lab WO# PE201130
Job Number 19034-0001

Page 3 of 3

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TPH 8015D	Lab Number	Correct Cont/Prsrv (s) Y/N
BH22-19 0-4'	1/25		Soil	4 oz		✓		✓	✓	21	
BH22-20 4-8'										22	
BH22-21 4-8'										23	
BH22-22 4-8'										24	
BH22-23 4-10'										25	
BH22-23 10-20'										26	
BH22-24 10-20'										27	
BH22-25 10-20'										28	
										~~29~~	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26	9:20		1.26.22	920
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1.26.22	1305		1/26/22	18:30

Lab Use Only
**Received on Ice (Y) / N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, 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 to a secure drop off area.

Chain of Custody

Notes/Billing info:
Direct bill EOG cc: M.Peppin report

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 1/27/2022 9:20:48AM

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:	01/26/22 18:30	Work Order ID:	E201130
Phone:	(575) 748-4217	Date Logged In:	01/26/22 10:00	Logged In By:	Caitlin Christian
Email:	mpeppin@vertex.ca	Due Date:	01/28/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the 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 the 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	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

CC: m.peppin@vertex.ca / dwilliams@vertex.ca on Final Report

Client Instruction

CC: m.peppin@vertex.ca / dwilliams@vertex.ca on Final Report

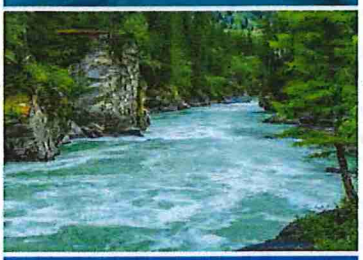
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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:	Gates AAC #2
Work Order:	E201131
Job Number:	19034-0001
Received:	1/26/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/22

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: 1/28/22

Monica Peppin
104 South 4th Street
Artesia, NM 88210

Project Name: Gates AAC #2
Workorder: E201131
Date Received: 1/26/2022 6:30:00PM

Monica Peppin,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/26/2022 6:30:00PM, under the Project Name: Gates AAC #2.

The analytical test results summarized in this report with the Project Name: Gates AAC #2 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
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ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	01/28/22 14:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH22-26 20'	E201131-01A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-27 8'	E201131-02A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-28 8'	E201131-03A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-29 8'	E201131-04A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-30 8'	E201131-05A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-31 4'	E201131-06A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-32 4'	E201131-07A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-33 4'	E201131-08A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-34 4'	E201131-09A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-35 4'	E201131-10A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-36	E201131-11A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-37	E201131-12A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-38	E201131-13A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-39	E201131-14A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-40	E201131-15A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-41	E201131-16A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-42	E201131-17A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-43	E201131-18A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-44	E201131-19A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-45	E201131-20A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-46 4'	E201131-21A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-47 4'	E201131-22A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-48 4'	E201131-23A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-49 4'	E201131-24A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.
BH22-50 4'	E201131-25A	Soil	01/25/22	01/26/22	Glass Jar, 4 oz.

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-26 20'

E201131-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	**87.9**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**5550**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-27 8'

E201131-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	**31.4**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**1780**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-28 8'

E201131-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**1320**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-29 8'

E201131-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	**58.6**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**1540**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-30 8'

E201131-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**2010**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-31 4'

E201131-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**1830**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-32 4'

E201131-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**752**	100	5	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-33 4'

E201131-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**1670**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-34 4'

E201131-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/26/22	
Surrogate: n-Nonane		*97.3 %*	*50-200*	*01/26/22*	*01/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**846**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-35 4'

E201131-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**356**	100	5	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-36

E201131-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**1080**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-37

E201131-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205048
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**2480**	400	20	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-38

E201131-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	**49.1**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**467**	400	20	01/26/22	01/27/22	

envirotech Inc.

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-39

E201131-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**445**	100	5	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-40

E201131-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**467**	40.0	2	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-41

E201131-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*94.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**715**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-42

E201131-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**501**	40.0	2	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-43

E201131-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	**110**	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**81.0**	20.0	1	01/26/22	01/27/22	

envirotech Inc.

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-44

E201131-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**875**	200	10	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-45

E201131-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2205056
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*01/26/22*	*01/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205046
Chloride	**299**	40.0	2	01/26/22	01/27/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-46 4'

E201131-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205052
Chloride	**98.9**	20.0	1	01/26/22	01/26/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-47 4'

E201131-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205052
Chloride	**129**	40.0	2	01/26/22	01/26/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-48 4'

E201131-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205052
Chloride	**101**	20.0	1	01/26/22	01/26/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-49 4'

E201131-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205052
Chloride	**55.3**	20.0	1	01/26/22	01/26/22	

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

BH22-50 4'

E201131-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Benzene	ND	0.0250	1	01/26/22	01/27/22	
Ethylbenzene	ND	0.0250	1	01/26/22	01/27/22	
Toluene	ND	0.0250	1	01/26/22	01/27/22	
o-Xylene	ND	0.0250	1	01/26/22	01/27/22	
p,m-Xylene	ND	0.0500	1	01/26/22	01/27/22	
Total Xylenes	ND	0.0250	1	01/26/22	01/27/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2205054
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/26/22	01/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/26/22*	*01/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2205049
Diesel Range Organics (C10-C28)	ND	25.0	1	01/26/22	01/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/26/22	01/27/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/26/22*	*01/27/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2205052
Chloride	**327**	20.0	1	01/26/22	01/27/22	

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205056-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.8*	*70-130*			
LCS (2205056-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.56	0.0250	2.50		102	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.49	0.0250	2.50		99.5	70-130			
p,m-Xylene	5.01	0.0500	5.00		100	70-130			
Total Xylenes	7.49	0.0250	7.50		99.9	70-130			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike (2205056-MS1)				**Source: E201131-05**					Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	2.87	0.0250	2.50	ND	115	48-131			
Ethylbenzene	2.87	0.0250	2.50	ND	115	45-135			
Toluene	2.84	0.0250	2.50	ND	114	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2205056-MSD1)				**Source: E201131-05**					Prepared: 01/26/22 Analyzed: 01/27/22
Benzene	2.86	0.0250	2.50	ND	114	48-131	0.367	23	
Ethylbenzene	2.92	0.0250	2.50	ND	117	45-135	1.71	27	
Toluene	2.90	0.0250	2.50	ND	116	48-130	2.07	24	
o-Xylene	2.87	0.0250	2.50	ND	115	43-135	2.50	27	
p,m-Xylene	5.75	0.0500	5.00	ND	115	43-135	2.13	27	
Total Xylenes	8.62	0.0250	7.50	ND	115	43-135	2.25	27	
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205054-BLK1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS (2205054-BS1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	4.34	0.0250	5.00		86.8	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.1	70-130			
Toluene	4.65	0.0250	5.00		93.0	70-130			
o-Xylene	4.45	0.0250	5.00		89.1	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2205054-MS1)				**Source: E201137-02**				Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	4.78	0.0250	5.00	ND	95.5	54-133			
Ethylbenzene	4.95	0.0250	5.00	ND	98.9	61-133			
Toluene	5.12	0.0250	5.00	ND	102	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.7	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
Matrix Spike Dup (2205054-MSD1)				**Source: E201137-02**				Prepared: 01/26/22 Analyzed: 01/27/22	
Benzene	4.83	0.0250	5.00	ND	96.7	54-133	1.22	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133	0.844	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	0.991	20	
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131	0.730	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.596	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.640	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.8*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205054-BLK1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.06*		*8.00*		*101*	*70-130*			
LCS (2205054-BS2)								Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.29*		*8.00*		*104*	*70-130*			
Matrix Spike (2205054-MS2)				**Source: E201137-02**				Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.34*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2205054-MSD2)				**Source: E201137-02**				Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130	1.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.35*		*8.00*		*104*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205056-BLK1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.8*	*70-130*			
LCS (2205056-BS2)								Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike (2205056-MS2)				**Source: E201131-05**				Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	59.0	20.0	50.0	ND	118	70-130			
Surrogate: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2205056-MSD2)				**Source: E201131-05**				Prepared: 01/26/22 Analyzed: 01/27/22	
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	12.2	20	
Surrogate: Bromofluorobenzene	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.5*	*70-130*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205048-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*50-200*			
LCS (2205048-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	492	25.0	500		98.3	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
Matrix Spike (2205048-MS1)				**Source: E201130-21**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.5*	*50-200*			
Matrix Spike Dup (2205048-MSD1)				**Source: E201130-21**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.6	38-132	2.83	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205049-BLK1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.9*		*50.0*		*118*	*50-200*			
LCS (2205049-BS1)									Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	446	25.0	500		89.3	38-132			
Surrogate: n-Nonane	*53.2*		*50.0*		*106*	*50-200*			
Matrix Spike (2205049-MS1)				**Source: E201137-02**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	459	25.0	500	ND	91.8	38-132			
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2205049-MSD1)				**Source: E201137-02**					Prepared: 01/26/22 Analyzed: 01/27/22
Diesel Range Organics (C10-C28)	473	25.0	500	ND	94.7	38-132	3.06	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205046-BLK1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Chloride	ND	20.0							
LCS (2205046-BS1)								Prepared: 01/26/22 Analyzed: 01/27/22	
Chloride	244	20.0	250		97.8	90-110			
Matrix Spike (2205046-MS1)				**Source: E201131-01**				Prepared: 01/26/22 Analyzed: 01/27/22	
Chloride	4490	200	250	5550	NR	80-120			M5
Matrix Spike Dup (2205046-MSD1)				**Source: E201131-01**				Prepared: 01/26/22 Analyzed: 01/27/22	
Chloride	4990	200	250	5550	NR	80-120	10.6	20	M5

QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Gates AAC #2	**Reported:**
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Monica Peppin	1/28/2022 2:14:47PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2205052-BLK1)							Prepared: 01/26/22 Analyzed: 01/26/22		
Chloride	ND	20.0							
LCS (2205052-BS1)							Prepared: 01/26/22 Analyzed: 01/26/22		
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2205052-MS1)				**Source: E201131-21**			Prepared: 01/26/22 Analyzed: 01/27/22		
Chloride	353	20.0	250	98.9	102	80-120			
Matrix Spike Dup (2205052-MSD1)				**Source: E201131-21**			Prepared: 01/26/22 Analyzed: 01/27/22		
Chloride	382	20.0	250	98.9	113	80-120	7.79	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:	Gates AAC #2	
104 South 4th Street	Project Number:	19034-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Monica Peppin	01/28/22 14:14

M5	The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
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 - Bob Asher
Project: Gates AAC #2
Sampler: MJP
Phone: 575-361-9880
Email(s): mpeppin@vertex.ca
Project Manager: Monica Peppin

RUSH? ☑ 1d ☐ 3d

Lab Use Only
Lab WO# PE201131
Job Number 19034-001

Page 1 of 3

Sample ID		Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TPH 8015D					Lab Number	Correct Cont/Prsrv (s) Y/N
BH22-26	20'	1/25	12:45	Soil	4oz		✓		✓	✓					1	
BH22-27	8'		12:50												2	
BH22-28	8'		12:55												3	
BH22-29	8'		1:00												4	
BH22-30	8'		1:05												5	
BH22-31	4'		1:10												6	
BH22-32	4'		1:15												7	
BH22-33	4'		1:20												8	
BH22-34	4'		1:25												9	
BH22-35	4'		1:45												10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26	9:20		1.26.22	920
	1.26.22	1305	Cartter Chad	1/26/22	18:30

Lab Use Only
**Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, 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 to a secure drop off area.

Chain of Custody

Notes/Billing info:
Direct bill EOG cc: M. Peppin Report

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

Client: EOG - Bob Asher
Project: Gates AAC #2
Sampler: MJP
Phone: 575-361-9880
Email(s): mpeppin@vertex.ca
Project Manager: Monica Peppin

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# PE201131
Job Number 19034-0001

Page 2 of 3

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TPH 8015D	Lab Number	Correct Cont/Prsrv (s) Y/N
BH22-36	1/25	1:50	Soil	4oz		✓		✓	✓	11	
BH22-37		1:55								12	
BH22-38		2:00								13	
BH22-39		2:05								14	
BH22-40		2:10								15	
BH22-41		2:30								16	
BH22-42		2:35								17	
BH22-43		2:40								18	
BH22-44		2:45								19	
BH22-45		3:00								20	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26	9:20		1.26.22	920
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1.26.22	1305	Cartha Chant	11/26/22	18:30

Lab Use Only
**Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____
Container Type: g - glass, p - poly/plastic, ag - amber glass, 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 to a secure drop off area.

Chain of Custody

Notes/Billing info:
Direct bill EOG cc: M.Peppin report

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory.envirotech-inc.com

Client: EOG - Bob Asher
Project: Gates AAC #2
Sampler: MJP
Phone:
Email(s):
Project Manager: Monica Peppin

RUSH? ☑ 1d ☐ 3d

Lab Use Only
Lab WO# PE2011 31
Job Number 19034-0001

Page 3 of 3

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TPH 8015D					Lab Number	Correct Cont/Prsrv (s) Y/N
				Analysis and Method										lab Only	
BH22-46 4'	1/25	3:05	soil	4oz		✓		✓	✓					21	
BH22-47 4'		3:10												22	
BH22-48 4'		3:15												23	
BH22-49 4'		3:20												24	
BH22-50 4'		3:25												25	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/26	9:20		1-26-22	920
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1-26-22	1305	Caitlin Christian	1/26/22	18:30

Lab Use Only
**Received on Ice Y / N
T1____ T2____ T3____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____
Container Type: g - glass, p - poly/plastic, ag - amber glass, 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 to a secure drop off area.

Chain of Custody

Notes/Billing info:
Direct bill EOG CC:M.Peppin report

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879
envirotech-inc.com
laboratory.envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 1/27/2022 9:25:32AM

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:	01/26/22 18:30	Work Order ID:	E201131
Phone:	(575) 748-4217	Date Logged In:	01/26/22 10:29	Logged In By:	Caitlin Christian
Email:	mpeppin@vertex.ca	Due Date:	01/28/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the 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 the 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

CC: m.peppin@vertex.ca / dwilliams@vertex.ca on Final Report

Client Instruction

CC: m.peppin@vertex.ca / dwilliams@vertex.ca on Final Report

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

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 104094
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Please excavate 0-4 feet using <50 DTW criteria (600mg/kg chloride, 100mg/kg TPH, etc). Please excavate >4ft 51-100 ft DTW criteria (10,000mg/kg chloride, 2,500mg/kg TPH, etc). Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	5/23/2022