



EOG Resources, Inc.
Artesia Division Office
105 S. 4th Street
Artesia, N. M. 88210

February 3, 2017

Mr. Mike Bratcher
NMOCD District II
1625 French Drive
Artesia, NM 88210

Re: Gates AAC Battery
30-015-25102
Section 22, T18S-R26E
Eddy County, New Mexico

Dear Mr. Bratcher:

EOG Y Resources, Inc. is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the NMOCD requested (10/18/2016) core sample event.

If there are no objections with the scope of work described in the plan, EOG Y will have a contractor begin work on or after February 27, 2017.

If you have any questions call me at (575) 748-4217

Thank you.

EOG Y Resources, Inc.

Robert Asher
Environmental Supervisor
Safety & Environmental Department

Enclosure(s)

EOG Y Resources, Inc. – Artesia Division Office

Gates AAC Battery Work Plan

Section 22, T18S-R26E

Eddy County, New Mexico

December 8, 2016

I. Location

The release point is located approximately 7 miles south of Artesia, NM and approximately 1.1 miles east of highway US 285, as represented by the attached Dayton NM & Lake McMillan North, NM, USGS Quadrangle Maps.

II. Background

On June 18, 2013, formerly Yates Petroleum Corporation, now EOG Y submitted to the NMOCD District I office a Form C-141 for a release of 155 B/PW with 150 B/PW recovered. The total affected area is approximately 18 feet by 90 feet area within an unlined bermed battery. The release was from a water pump flow line that ruptured. Cleanup actions included vacuum truck (s) recovering 150 B/PW of the 155 B/PW released, a surface scrape of impacted soils was performed and hauled to an approved NMOCD facility. Delineation samples were taken (5/5/2013, 8/6/2013, 9/26/2013, 1/15/2014 and 11/15/2016) and sent to an NMOCD approved laboratory (results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic Alluvium. Groundwater of record is listed on the Chevron Texaco Trend Map shows depth to groundwater approximately 75 feet making the site ranking for this site a ten (10). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is ten (10) based on the as following:

Depth to ground water	50-99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

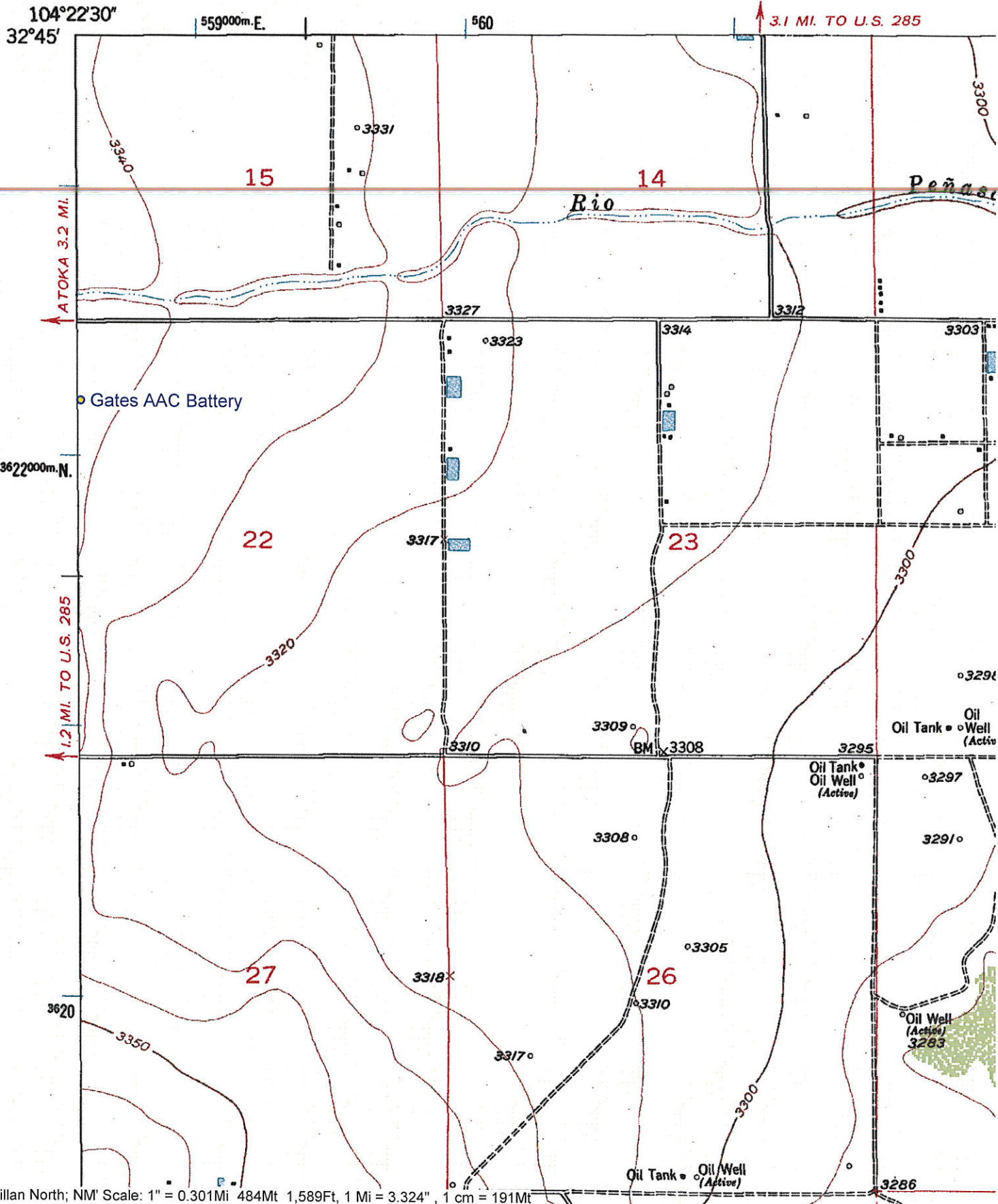
The area consists of native sands and soil, interspersed with caliche and clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

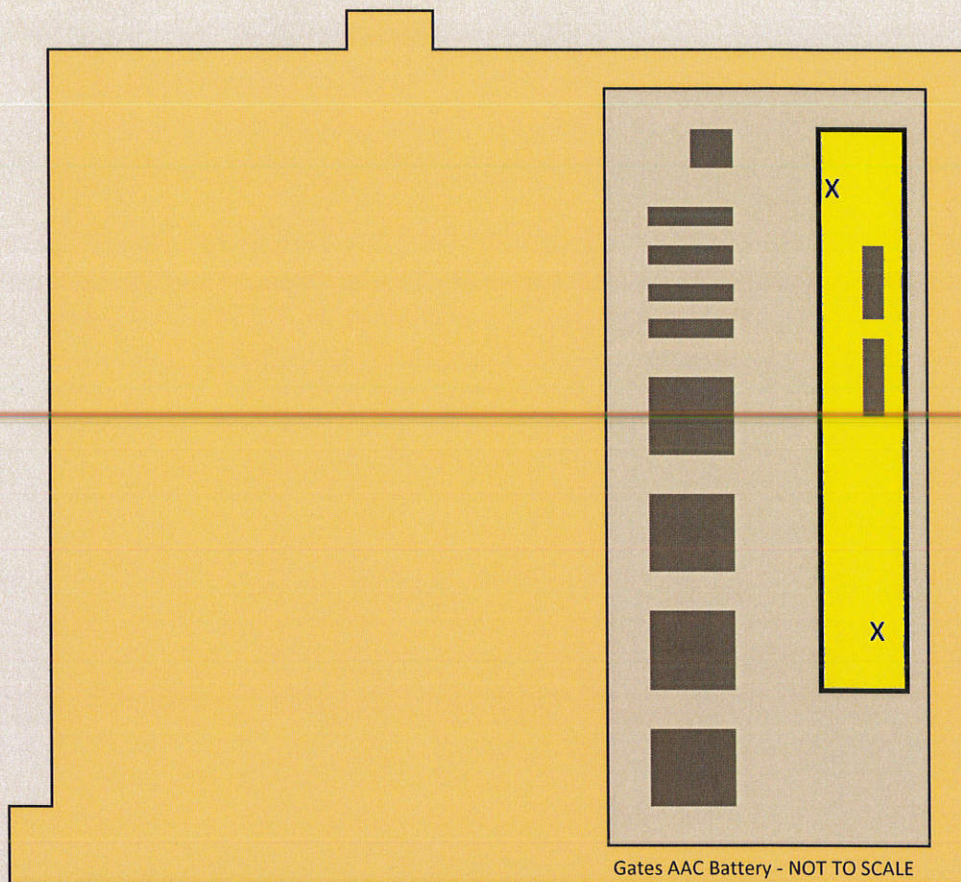
Based on all analytical results enclosed (sample results from 11/15/2016 with a core rig and previous sample events showing correlation of depths and results in red), EOG Y excavate five (5') feet of impacted soils within the release area designated in yellow on the enclosed sample diagram. Those soils will be taken to an approved NMOCD facility. When the excavation work is completed approximately 4.75' of caliche will be placed in the excavation, a 20 mil. synthetic liner will be installed and approximately 3" of gravel be placed on top of the liner to prevent any future releases from migrating downward into the backfilled excavation. When that work is completed a C-141, Final Report will be submitted to the NMOCD and request closure of the site.

5149 IV SW
(ARTESIA)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



YATES PETROLEUM CORPORATION
ENVIRONMENTAL DIVISION



Analytical Report- H301607 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
C01.0	Release Area	7/5/2013	Comp/Auger	1'	<0.3	<10.0	<10.0	6930
C02.0	Release Area	7/5/2013	Comp/Auger	2'	<0.3	<10.0	<10.0	8130
C03.0	Release Area	7/5/2013	Comp/Auger	3'	<0.3	<10.0	<10.0	14300
Analytical Report- 1308396 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
c04.0	Release Area	8/6/2013	Comp/Backhoe	4'				9200
c05.0	Release Area	8/6/2013	Comp/Backhoe	5'				14000
c06.0	Release Area	8/6/2013	Comp/Backhoe	6'				13000
c07.0	Release Area	8/6/2013	Comp/Backhoe	7'				14000
c08.0	Release Area	8/6/2013	Comp/Backhoe	8'				12000
Analytical Report- 1309C36 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
c09.0	Release Area	9/26/2013	Comp/Backhoe	9'				9200
c010.0	Release Area	9/26/2013	Comp/Backhoe	10'				14000
c11.0	Release Area	9/26/2013	Comp/Backhoe	11'				12000
Analytical Report- H301607 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
C15.0	Release Area	1/15/2014	Comp/Core Unit	15'				6560
C20.0	Release Area	1/15/2014	Comp/Core Unit	20'				5440
C25.0	Release Area	1/15/2014	Comp/Core Unit	25'				6720

Site Ranking is Ten (10). Depth to Ground Water 50-99' (Approx. 75', ChevronTexaco Trend Map).

Chloride samples for documentation. All results are ppm. X- Sample Points BSL - Below Surface Level

Released: 155 B/PW; Recovered: 150 B/PW. Release Date: 5/28/2013

Will Excavate

Gates AAC Battery
Section 22, T18S-R26E
Eddy County, New Mexico

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1611A40

Date Reported:

CLIENT: Yates Petroleum Corporation
Project: Gates AAC Battery

Lab Order: 1611A40

Lab ID: 1611A40-001

Collection Date: 11/15/2016 10:02:00 AM

Client Sample ID: CS 5.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	11000	750		mg/Kg	500	11/29/2016 4:38:11 PM	28872

Lab ID: 1611A40-002

Collection Date: 11/15/2016 10:07:00 AM

Client Sample ID: CS 10.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	7400	300		mg/Kg	200	11/29/2016 4:50:36 PM	28872

Lab ID: 1611A40-003

Collection Date: 11/15/2016 10:12:00 AM

Client Sample ID: CS 15.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	7000	300		mg/Kg	200	11/29/2016 5:03:01 PM	28872

Lab ID: 1611A40-004

Collection Date: 11/15/2016 10:17:00 AM

Client Sample ID: CS 20.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	3500	150		mg/Kg	100	11/29/2016 5:15:25 PM	28872

Lab ID: 1611A40-005

Collection Date: 11/15/2016 10:23:00 AM

Client Sample ID: CS 25.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	4700	300		mg/Kg	200	11/29/2016 5:27:50 PM	28872

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1611A40

Date Reported:

CLIENT: Yates Petroleum Corporation
Project: Gates AAC Battery

Lab Order: 1611A40

Lab ID: 1611A40-006

Collection Date: 11/15/2016 10:30:00 AM

Client Sample ID: CS 30.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	5100	150		mg/Kg	100	11/29/2016 6:05:03 PM	28872

Lab ID: 1611A40-007

Collection Date: 11/15/2016 10:34:00 AM

Client Sample ID: CS 35.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	4900	150		mg/Kg	100	11/29/2016 6:17:27 PM	28872

Lab ID: 1611A40-008

Collection Date: 11/15/2016 10:42:00 AM

Client Sample ID: CS 40.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	4000	150		mg/Kg	100	11/29/2016 6:29:52 PM	28872

Lab ID: 1611A40-009

Collection Date: 11/15/2016 11:18:00 AM

Client Sample ID: CS 45.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	110	30		mg/Kg	20	11/28/2016 5:04:35 PM	28872

Lab ID: 1611A40-010

Collection Date: 11/15/2016 11:38:00 AM

Client Sample ID: CS 50.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	120	30		mg/Kg	20	11/28/2016 5:17:00 PM	28872

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1611A40

Date Reported:

CLIENT: Yates Petroleum Corporation
Project: Gates AAC Battery

Lab Order: 1611A40

Lab ID: 1611A40-011

Collection Date: 11/15/2016 12:12:00 PM

Client Sample ID: CS 55.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	110	30		mg/Kg	20	11/28/2016 5:29:24 PM	28872

Analyst: MRA

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified