



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

March 1, 2018

Mr. Mike Bratcher/Ms. Crystal Weaver
NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Dayton Water Line (Gushwa DX #1)
30-015-21703
Section 21, T18S-R26E
Eddy County, New Mexico
2RP-2824

Mr. Bratcher/Ms. Weaver,

EOG Y Resources, Inc. is submitting the enclosed remediation work plan for the above referenced site. The plan is being submitted subsequent to the C-141 reports dated on June 11, 2014 and January 4, 2016.

If there are no objections with the scope of work described in the plan, EOG Y Resources, Inc. will have a contractor begin work on or after March 15, 2018.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle
Rep Safety & Environmental II
EOG Y Resources, Inc.

I. Location

The release is located approximately 8 miles south of Artesia, 0.5 mile east on Dayton Road, and 0.7 mile north.

II. Background

On February 18, 2015, Yates Petroleum Corporation submitted to the NMOCD District II office a Form C-141 for the release of 5400 B/PW with 5160 B/PW recovered. The total affected area is approximately 1000 feet by 230 feet on the west side of the railroad tracks running northeast from the south, 705 feet by 90 feet on the east side of the railroad tracks running to the north with 2 fingers splitting off to the east, one approximately 395 feet by 50 feet and the other 595 feet by 75 feet. The release was from failure of a six (6) inch produced water flow line. Initial delineation samples were taken (3/10/2015 and 3/11/2015) and sent to a NMOCD approved laboratory (3/18/2015 and 3/19/2015, results enclosed). Further sampling was conducting (4/2/2015) and sent to a NMOCD approved laboratory (4/14/2015, results enclosed). Sampling again occurred in the S1 area for further delineation of chlorides (4/22/2015) and sent to a NMOCD approved laboratory (4/28/2015, results enclosed).

The work plan was originally submitted on August 17, 2015. NMOCD had a number of requests including a water well investigation and further delineation of the S1 area to a target of 250 mg/kg. The water well investigation was completed August 28, 2015, through this investigation it was determined that the correct site ranking is zero (0) since depth to ground water is approximately 140 feet.

On November 15, 2016, a core rig was contracted to perform further delineation of the S1 area. Samples were collected beginning at five (5) feet below ground surface (bgs) to a depth of thirty (30) feet bgs. These samples were sent to NMOCD approved laboratory (12/02/16, results enclosed). At this time, it was discovered that the S3 and S4 areas had completely recovered in regards to vegetation. So samples were collected December 13, 2016 and again on January 5, 2017, in the S3 and S4 areas to determine how the chloride may have migrated. These samples were sent to a NMOCD approved laboratory for analysis (12/28/16 and 01/05/2017, results enclosed). After the results were collected, EOG representatives tried to get an onsite meeting set up with NMOCD. After one cancelled meeting on May 4, 2017, no other attempts to set up an onsite meeting were accomplished.

III. Surface and Ground Water

Area surface geology ranges from Cenozoic Quaternary to Paleozoic Permian. Based on information from the New Mexico Office of the State Engineer database regarding this location (Section 21, T18S-R26E), depth to groundwater is approximately 140 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

IV. NMOCD Ranking Criteria

The ranking for this site is zero (0) based on the following:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

Based on the ranking criteria, the NMOCD established RRALs for this site are:

Benzene	10 ppm
BTEX	50 ppm
TPH	5000 ppm
Chlorides	No established RRAL

V. Soils

The area consists of soils that are loam based topsoil with deeper layers consisting of primarily packed clay which provides a permeability barrier to prohibit vertical percolation of contaminants into the subsurface water systems.

VI. Scope of Work

Based on enclosed analytical results, the depth to groundwater (140'), and a decrease in chlorides, EOG Y Resources, Inc. will excavate four (4) feet of impacted soil within the S2 release area, hauling the excavated soils to a NMOCD approved facility. EOG will also excavate four (4) feet in the S1 release area, hauling the excavated soils to a NMOCD approved facility. EOG will then install a 20 ml synthetic liner over the release area and backfill with at least the top two (2) feet being a similar topsoil. Once the excavated areas are backfilled, they will be revegetated according to the private surface owner's desired objectives.

Due to the vegetative growth in the S3 and S4 sample areas, no work will be conducted. This area has recovered in regards to vegetation (see S2 Pictures section) and has a tremendous population of native grass that is thriving compared to the surrounding area. Due to the amount of vegetation growth and the clay soils encountered while sampling, it would be more beneficial to let the clay and evapotranspiration provide the groundwater protection rather than destroying that vegetation to install a liner at four (4) feet bgs when the same soil will be placed back on top of the liner since it does not contain or show the effects of chloride impaction.

No work will be performed in the Right of Way, 100 feet in each direction from center of tracks, of the railroad tracks per their request with concerns for railway safety.

The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0), no further analytical testing of TPH, BTEX, and/or chlorides. When remediation work is completed a C-141, Final Report, will be submitted to the NMOCD requesting closure of the site.

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
RR 1-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5440
RR 1-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5440
RR 1-3'	3'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5680
RR 2-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5440
RR 2-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	3080
RR 3-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	7040
RR 3-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	3480
RR 3-3'	3'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	1680
RR 4-1'	1'	3/10/15	<0.05	0.066	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6000
RR 4-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	3360
RR 5-1'	1'	3/10/15	0.271	0.278	<0.05	<0.15	0.549	<10.0	<10.0	-	<10.0	7040
RR 5-2'	2'	3/10/15	1.53	0.970	0.111	<0.15	2.61	<10.0	<10.0	-	<10.0	8640
RR 6-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6160
RR 6-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	1150
RR 7-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4960
RR 8-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5840
RR 8-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4720
S1-1'	1'	3/11/15	<0.05	0.069	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6880
S1-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	7120
S1-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	6720
S1-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	8160
S1-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	6160
S1-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	7040
S1-10'	10'	4/22/15	-	-	-	-	-	-	-	-	-	7040
S1-11'	11'	4/22/15	-	-	-	-	-	-	-	-	-	8000
S1-12'	12'	4/22/15	-	-	-	-	-	-	-	-	-	7280
S1-13'	13'	4/22/15	-	-	-	-	-	-	-	-	-	7120
S1-14'	14'	4/22/15	-	-	-	-	-	-	-	-	-	5280
S1-15'	15'	4/22/15	-	-	-	-	-	-	-	-	-	3040
S1-15.5'	15.5'	4/22/15	-	-	-	-	-	-	-	-	-	2040
S1C-5'	5'	11/15/16	-	-	-	-	-	-	-	-	-	6800
S1C-10'	10'	11/15/16	-	-	-	-	-	-	-	-	-	1400
S1C-15'	15'	11/15/16	-	-	-	-	-	-	-	-	-	70
S1C-20'	20'	11/15/16	-	-	-	-	-	-	-	-	-	ND
S1C-25'	25'	11/15/16	-	-	-	-	-	-	-	-	-	ND
S1C-30'	30'	11/15/16	-	-	-	-	-	-	-	-	-	ND
S2-1'	1'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	8000
S2-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	86.6	-	86.6	12300
S2-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	10100
S2-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	4240
S2-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	240
S2-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	192
S3-1'	1'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6720
S3-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4400
S3-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	384
S3-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	32
S3-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	144
S3-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	<16.0
S4-1'	1'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4560
S4-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	2560
S4-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	704
S4-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	128
S4-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	<16.0
S4-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	<16.0
S3-1-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	58
S3-1-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	32
S3-1-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	68
S3-1-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	1800

Dayton Water Line (Gushwa DX #1)
Remediation Work Plan
2RP-2824

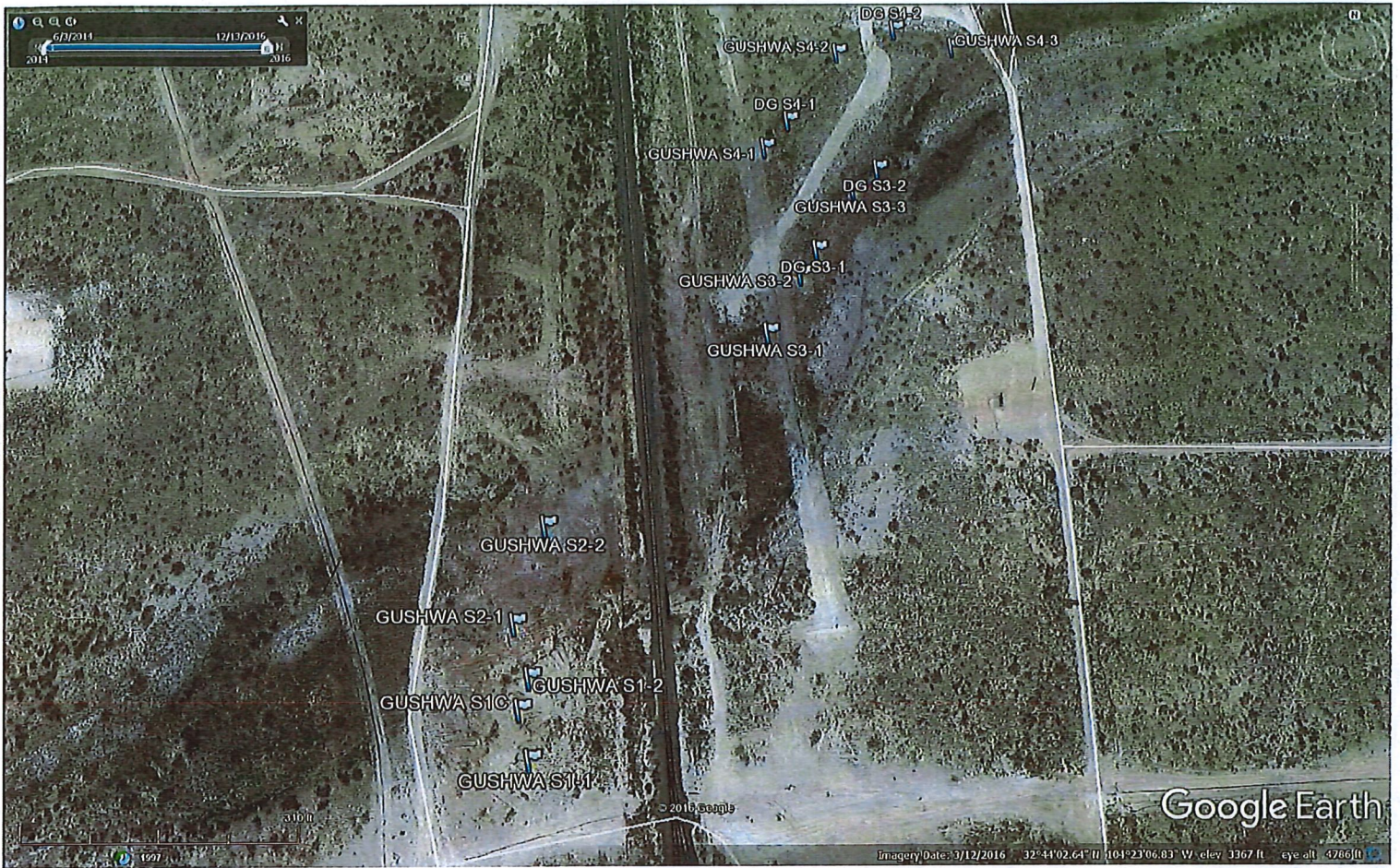


March 1, 2018

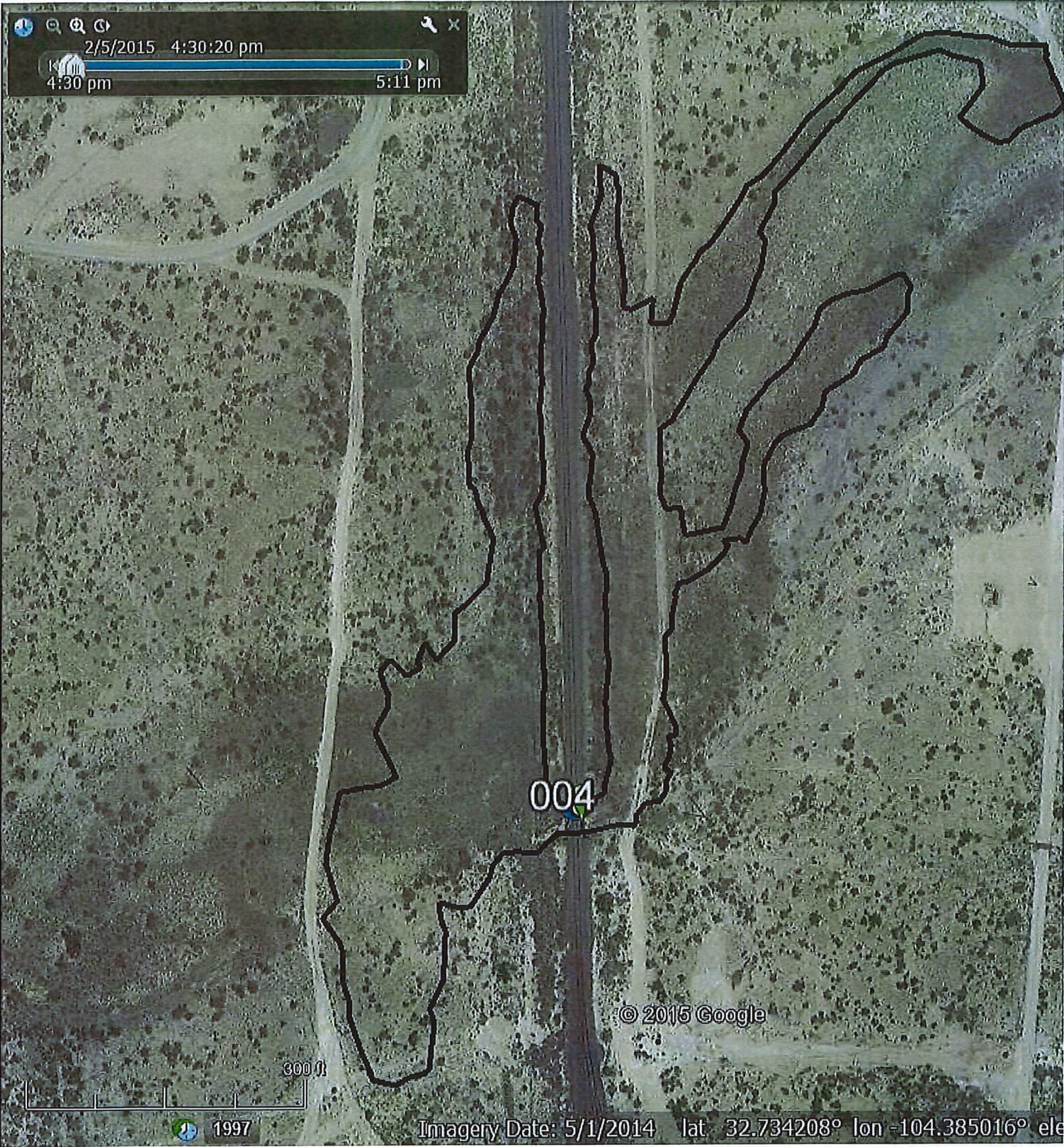
S3-1-6'	6'	1/5/17	-	-	-	-	-	-	-	-	-	2100
S3-1-8'	8'	1/5/17	-	-	-	-	-	-	-	-	-	1000
S3-1-10'	10'	1/5/17	-	-	-	-	-	-	-	-	-	890
S3-1-12'	12'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S3-1-14'	14'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S3-2-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	67
S3-2-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S3-2-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S3-2-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-1-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	47
S4-1-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-1-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	330
S4-1-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	2100
S4-1-6'	6'	1/5/17	-	-	-	-	-	-	-	-	-	2300
S4-1-8'	8'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-1-10'	10'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-1-12'	12'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-1-14'	14'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-2-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-2-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-2-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	580
S4-2-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	2700
S4-2-6'	6'	1/5/17	-	-	-	-	-	-	-	-	-	2500
S4-2-8'	8'	1/5/17	-	-	-	-	-	-	-	-	-	840
S4-2-10'	10'	1/5/17	-	-	-	-	-	-	-	-	-	120
S4-2-12'	12'	1/5/17	-	-	-	-	-	-	-	-	-	37
S4-2-14'	14'	1/5/17	-	-	-	-	-	-	-	-	-	ND

Figure 1

Site Map with Sample Points



W. side of tracks- 1000'X230' (at widest point), E. side of tracks- 705'X90' along tracks, S. Finger- 395'X50', N. Finger- 595'X75'



Photos

S3 & S4 Area











Appendix A

NMOSE Well Log



New Mexico Office of the State Engineer Wells with Well Log Information

(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- Code	basin	County	Source	q	q	q	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 06102		ED	Shallow		6	4	1	21	18S	26E	557447	3621893*	141	11/22/1976	11/30/1976	12/03/1976	202	136		655
RA 09763		ED	Shallow		4	1	4	21	18S	26E	557748	3621592*	352	07/23/1999	07/29/1999	08/05/1999	240	140		763
RA 04287		ED	Shallow		1	2	4	21	18S	26E	557951	3621792*	380	08/20/1960	08/23/1960	12/29/1960	170	140	WILLARD BEATTY	62

Record Count: 3

UTMNAD83 Radius Search (In meters):

Easting (X): 557587.66

Northing (Y): 3621906.38

Radius: 457.2

*UTM location was derived from PLSS - see Help

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

8/25/15 1:28 PM

Page 1 of 1

WELLS WITH WELL LOG INFORMATION

Appendix B

Work Plan submitted August 17, 2015

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

B.P. YATES
1914-2008



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471

www.yatespetroleum.com

JOHN A. YATES
CHAIRMAN EMERITUS

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CHIEF FINANCIAL OFFICER

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CHIEF OPERATING OFFICER

August 17, 2015

Mr. Mike Bratcher/Mrs. Heather Patterson
NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Dayton Water Line (Gushwa DX #1)
30-015-21703
Section 21, T18S-R26E
Eddy County, New Mexico

Mr. Bratcher/Mrs. Patterson,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated February 18, 2015.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after September 1, 2015.

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle
Environmental Regulatory Agent

Enclosure(s)

KATHY H. PORTER
SECRETARY

DENNIS B. KINSEY
TREASURER

Yates Petroleum Corporation

Dayton Water Line (Gushwa DX #1) Work Plan

Section 21, T18S-R26E

Eddy County, New Mexico

August 17, 2015

2RP-2824

I. Location

The release is located approximately 8 miles south of Artesia, 0.5 mile east on Dayton Road, and 0.7 mile north.

II. Background

On February 18, 2015, Yates Petroleum Corporation submitted to the NMOCD District II office a Form C-141 for the release of 5400 B/PW with 5160 B/PW recovered. The total affected area is approximately 1000 feet by 230 feet on the west side of the railroad tracks running northeast from the south, 705 feet by 90 feet on the east side of the railroad tracks running to the north with 2 fingers splitting off to the east, one approximately 395 feet by 50 feet and the other 595 feet by 75 feet. The release was from failure of a six (6) inch produced water flow line. Initial delineation samples were taken (3/10/2015 and 3/11/2015) and sent to a NMOCD approved laboratory (3/18/2015 and 3/19/2015, results enclosed). Further sampling was conducted (4/2/2015) and sent to a NMOCD approved laboratory (4/14/2015, results enclosed). Sampling again occurred in the S1 area for further delineation of chlorides (4/22/2015) and sent to a NMOCD approved laboratory (4/28/2015, results enclosed). Full delineation of the S1 release area was impracticable due to the extremely hard soil encountered at 15.5' below surface level and the maximum depth the backhoe could sample without increasing the chances for cross contamination. A line graph is enclosed displaying a trend line that was created using the analytical data of attained soil samples that portrays the estimated depth where chlorides will drop below 250 ppm.

III. Surface and Ground Water

Area surface geology ranges from Cenozoic Quaternary to Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 21, T18S-R26E) that depth to groundwater is 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'

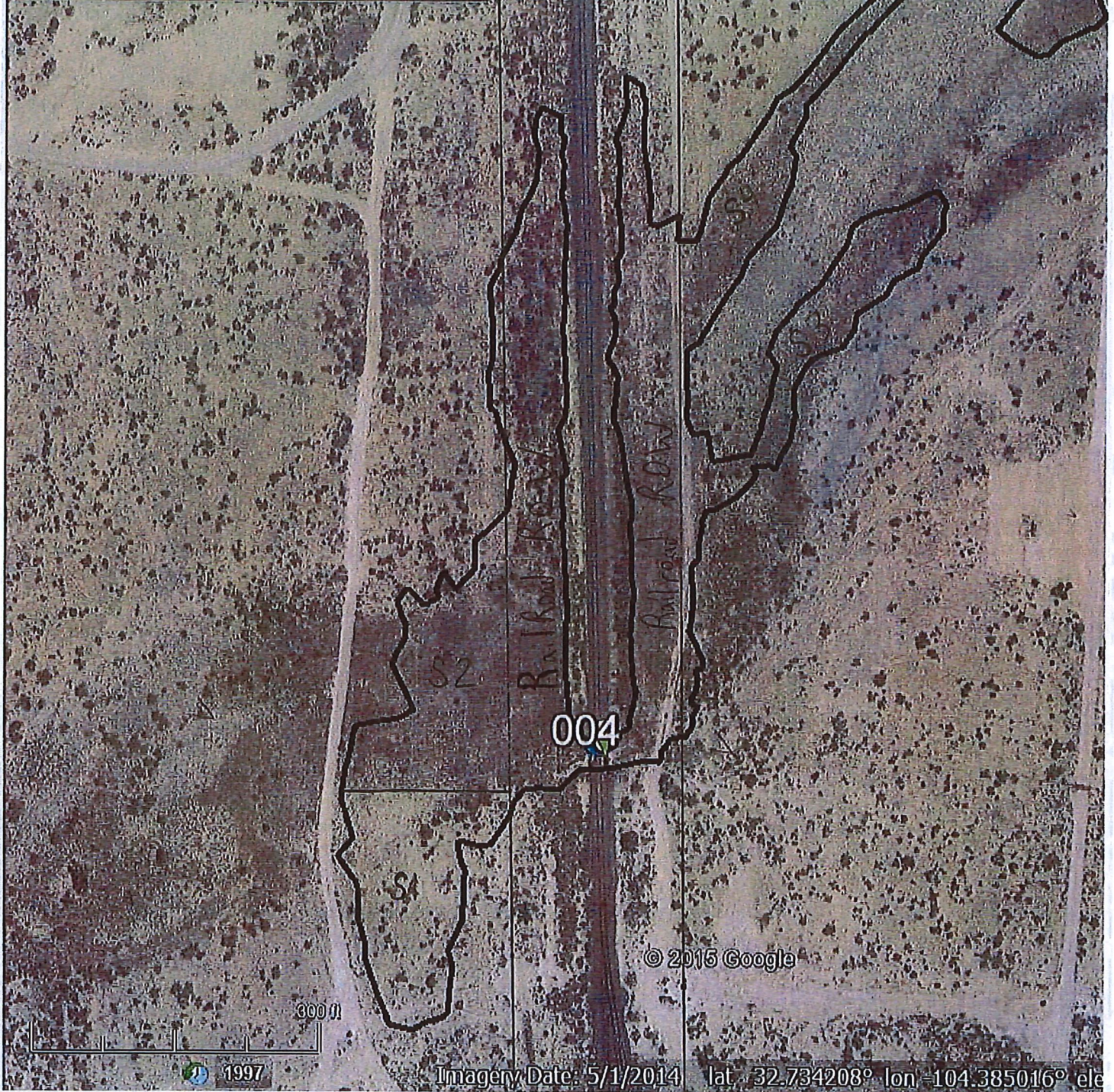
IV. Soils

The area consists of soils that are loamy top soil with clay then caliche found beneath, providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on enclosed analytical results, the depth to groundwater (75'), and a decrease in chlorides, Yates Petroleum Corporation will excavate five (5) feet of impacted soil within the S2 release area and two (2) feet in the S3 and S4 release areas, hauling the excavated soils to a NMOCD approved facility. Yates Petroleum Corporation will then backfill the excavated areas with similar soils. Yates Petroleum Corporation will also excavate four (4) feet in the S1 release area, hauling the excavated soils to a NMOCD approved facility. Yates Petroleum Corporation will then install a 20 ml liner over the release area and backfill with two (2) feet of caliche and two (2) feet of like, similar topsoil allowing for vegetative repopulation of the disturbed area and protection from groundwater contamination. No work will be performed in the Right of Way of the railroad per their request with concerns for railway safety in mind. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of ten (10), no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation). When remediation work is completed a C-141, Final Report, will be submitted to the NMOCD requesting closure of the site.

2/5/2015 4:30:20 pm
4:30 pm 5:11 pm



3/15/2016

GUSHWA S4-3

GUSHWA S4-2

GUSHWA RR8

GUSHWA S4-1

GUSHWA S3-3

GUSHWA S3-2

GUSHWA RR7

GUSHWA RR2

GUSHWA RR6

GUSHWA S3-1

GUSHWA RR3

GUSHWA RR5

GUSHWA S2-2

GUSHWA RR4

GUSHWA S2-1

GUSHWA S1-2

GUSHWA S1-1

357 ft

© 2015 Google

Google

Image Date: 5/1/2014 32°44'03.16" N 104°23'04.87" W elev 3566

1597

Dayton Water Line (Gushwa DX #1)

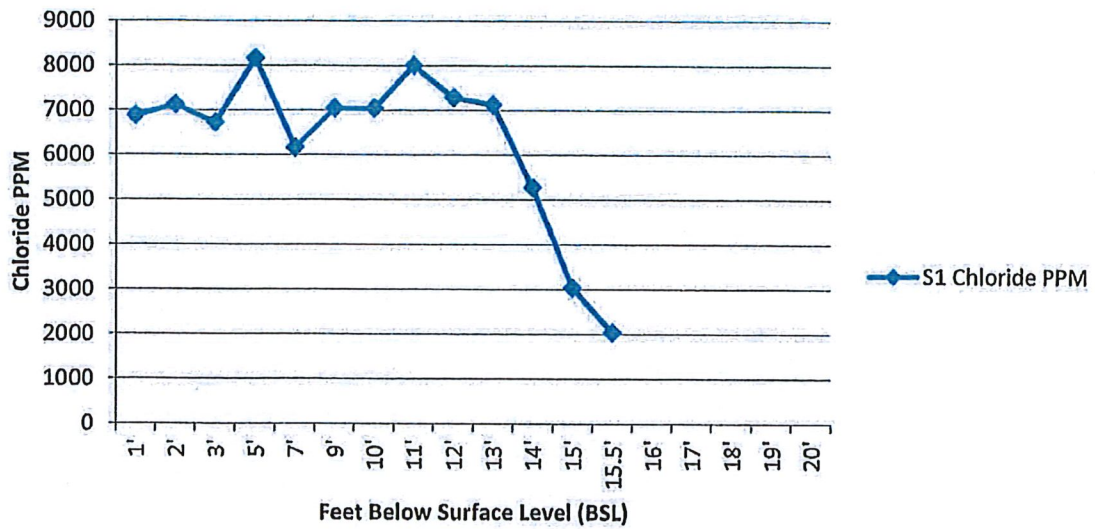
Area	Analysis #	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
RR1-1'	H500695	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	5440
RR1-2'	H500695	Release Area	3/10/2015	Hand Auger	2'	<0.3	<10.0	<10.0	5440
RR1-3'	H500695	Release Area	3/10/2015	Hand Auger	3'	<0.3	<10.0	<10.0	5680
RR2-1'	H500695	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	5440
RR2-2'	H500695	Release Area	3/10/2015	Hand Auger	2'	<0.3	<10.0	<10.0	3080
RR3-1'	H500695	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	7040
RR3-2'	H500695	Release Area	3/10/2015	Hand Auger	2'	<0.3	<10.0	<10.0	3480
RR3-3'	H500695	Release Area	3/10/2015	Hand Auger	3'	<0.3	<10.0	<10.0	1680
RR4-1'	H500695	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	6000
RR4-2'	H500695	Release Area	3/10/2015	Hand Auger	2'	<0.3	<10.0	<10.0	3360
RR5-1'	H500694	Release Area	3/10/2015	Hand Auger	1'	0.549	<10.0	<10.0	7040
RR5-2'	H500694	Release Area	3/10/2015	Hand Auger	2'	2.61	<10.0	<10.0	8640
RR6-1'	H500694	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	6160
RR6-2'	H500694	Release Area	3/10/2015	Hand Auger	2'	<0.3	<10.0	<10.0	1150
RR7-1'	H500694	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	4960
RR8-1'	H500694	Release Area	3/10/2015	Hand Auger	1'	<0.3	<10.0	<10.0	5840
RR8-2'	H500694	Release Area	3/10/2015	Hand Auger	2'	<0.3	<10.0	<10.0	4720
S1-1'	H500697	Release Area	3/11/2015	Hand Auger	1'	<0.3	<10.0	<10.0	6880
S1-2'	H500697	Release Area	3/11/2015	Hand Auger	2'	<0.3	<10.0	<10.0	7120
S1-3'	H500938	Release Area	4/2/2015	Backhoe	3'	N/A	N/A	N/A	6720
S1-5'	H500938	Release Area	4/2/2015	Backhoe	5'	N/A	N/A	N/A	8160
S1-7'	H500938	Release Area	4/2/2015	Backhoe	7'	N/A	N/A	N/A	6160
S1-9'	H500938	Release Area	4/2/2015	Backhoe	9'	N/A	N/A	N/A	7040
S1-10'	H501074	Release Area	4/22/2015	Backhoe	10'	N/A	N/A	N/A	7040
S1-11'	H501074	Release Area	4/22/2015	Backhoe	11'	N/A	N/A	N/A	8000
S1-12'	H501074	Release Area	4/22/2015	Backhoe	12'	N/A	N/A	N/A	7280
S1-13'	H501074	Release Area	4/22/2015	Backhoe	13'	N/A	N/A	N/A	7120
S1-14'	H501074	Release Area	4/22/2015	Backhoe	14'	N/A	N/A	N/A	5280
S1-15'	H501074	Release Area	4/22/2015	Backhoe	15'	N/A	N/A	N/A	3040
S1-15.5'	H501074	Release Area	4/22/2015	Backhoe	15.5'	N/A	N/A	N/A	2040
S2-1'	H500697	Release Area	3/11/2015	Hand Auger	1'	<0.3	<10.0	<10.0	8000
S2-2'	H500697	Release Area	3/11/2015	Hand Auger	2'	<0.3	<10.0	86.6	12300
S2-3'	H500938	Release Area	4/2/2015	Backhoe	3'	N/A	N/A	N/A	10100
S2-5'	H500938	Release Area	4/2/2015	Backhoe	5'	N/A	N/A	N/A	4240
S2-7'	H500938	Release Area	4/2/2015	Backhoe	7'	N/A	N/A	N/A	240
S2-9'	H500938	Release Area	4/2/2015	Backhoe	9'	N/A	N/A	N/A	192
S3-1'	H500697	Release Area	3/11/2015	Hand Auger	1'	<0.3	<10.0	<10.0	6720
S3-2'	H500697	Release Area	3/11/2015	Hand Auger	2'	<0.3	<10.0	<10.0	4400
S3-3'	H500938	Release Area	4/2/2015	Backhoe	3'	N/A	N/A	N/A	384
S3-5'	H500938	Release Area	4/2/2015	Backhoe	5'	N/A	N/A	N/A	32
S3-7'	H500938	Release Area	4/2/2015	Backhoe	7'	N/A	N/A	N/A	144
S3-9'	H500938	Release Area	4/2/2015	Backhoe	9'	N/A	N/A	N/A	<16.0
S4-1'	H500697	Release Area	3/11/2015	Hand Auger	1'	<0.3	<10.0	<10.0	4560
S4-2'	H500697	Release Area	3/11/2015	Hand Auger	2'	<0.3	<10.0	<10.0	2560
S4-3'	H500938	Release Area	4/2/2015	Backhoe	3'	N/A	N/A	N/A	704
S4-5'	H500938	Release Area	4/2/2015	Backhoe	5'	N/A	N/A	N/A	128
S4-7'	H500938	Release Area	4/2/2015	Backhoe	7'	N/A	N/A	N/A	<16.0
S4-9'	H500938	Release Area	4/2/2015	Backhoe	9'	N/A	N/A	N/A	<16.0

Site Ranking is Ten (10). 50-99' (75', Section 21, T18S-R26E, Trend Map

All results are ppm. Chlorides for documentation

Released: 5400 B/PW; Recovered: 5160 B/PW Release Date: 02/5/2015

S1 Chloride Analysis Chart



S1 Chloride Projection

