Bratcher, Mike, EMNRD

From: Amanda Trujillo [atrujillo@yatespetroleum.com]
Sent: Friday, May 11, 2012 2:47 PM
To: Jerry Fanning; Jim Amos (James_Amos@blm.gov); Bratcher, Mike, EMNRD
Subject: (release) Benson Deep BDX Fed Com #1
Attachments: Benson Deep BDX Fed Com #1.pdf

Mr. Mike Bratcher:

Yates Petroleum reports a release at the following location:

Benson Deep BDX Fed Com #1
Sec. 33,Township 18 South, Range 30 East
Eddy County
Date of Release: 5/7/2012
Unknown number of barrels of oil were released 0 barrels recovered
Cause of the release was a hole in the bottom of the tank. Staining was discovered during routine inspection. The tank was removed and cleaned for inspection.
Attached is C-141 and site work plan for remediation for consideration

If you should have any questions please feel free to contact me at the number below.

Amanda N. Trujillo
Environmental Scientist
Yates Petroleum Corporation
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May 9, 2012

Mr. Mike Bratcher
New Mexico Oil Conservation Division
811 South First Street
Artesia, NM 88210

Re. Benson Deep BDX Fed Com #1
30-015-22793
Section 33, T18S-R30E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corp. would like to submit for your consideration the enclosed work plan for the above captioned well. Scope of work described in the plan will be conducted as soon as the work plan is approved and a contractor can be scheduled

If you have any questions call me at

Thank you.

Yates Petroleum Corporation

Amanda Trujillo
Environmental Scientist
575-748-4310

Enclosure(s)

Yates Petroleum Corporation

Benson Deep BDX Fed Com #1 Work Plan

Section 33, T18S-R30E

Eddy County, New Mexico

May 9, 2012

I. Location

Take 360 to Duval Shaft Road. Follow Duval Shaft for approximately 1.5 mile. Turn Northeast on Grubbs Road, follow road for approximately 1/3 of a mile to lease road. Turn South on lease road next to caliche pit. Follow Lease road for approximately 1 mile, turn North into well pad. Section 1, T19S-R24E Eddy County, New Mexico

II. Background

During routine inspection of facility, the pumper noted staining around the bottom of the tank. He transferred the product to another tank. He then ordered a crew to clean and conduct and internal inspection on the tank. It was determined to tank had a hole. The other tanks were removed as a precautionary measure, but were found to have no leaks.

III. Surface and Ground Water

Area soil series is an Simona-Bippus Complex according to NRCS Web Soil Survey Characterized by 0 – 5 % slope, well drained and a textural class of gravelly loam. Depth to ground water is approximately 175 feet deep according to the New Mexico Chevron Texaco Trend Map (circa 2005). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

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

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

IV. Soils

The Simona-Bippus series is characterized by a textural class of a gravelly fine sandy loam with a parent material of mixed alluvium and eolian sands. Characteristics also include high hydraulic conductivity within the first 7 – 20" inches at which point peculation becomes highly restricted due to a shallow petrocalcic horizon. Description of landforms includes alluvial fans and flood plains with vegetation dominated primarily by mesquite (*Prosopis spp.*) as well as several grass species including Sand Drop Seed (*Sporobolus cryptandrus*).

V. Scope of Work

Upon approval of this work plan, Yates Petroleum Corp. will have a contractor excavate impacted material. Soil from the impacted areas will be excavated and disposed of at an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH and BTEX once all contaminated material has been removed. Once RRALs are achieved per Guidelines for Remediation of Leaks, Spills and Releases (circa 1993) for a site ranking of zero (0) the excavation will be backfilled with like material and capped with caliche.

Eddy Area, New Mexico

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

Elevation: 3,000 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 220 days

Map Unit Composition

Simona and similar soils: 55 percent
Bippus and similar soils: 30 percent

Description of Simona

Setting

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Very low (about 2.1 inches)

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: Shallow Sandy (R042XC002NM)

Typical profile

0 to 19 inches: Gravelly fine sandy loam
19 to 23 inches: Indurated

Description of Bippus

Setting

Landform: Alluvial fans, flood plains
Landform position (three-dimensional): Rise, talf
Down-slope shape: Linear, concave
Across-slope shape: Linear
Parent material: Mixed alluvium

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability (nonirrigated): 3e
Ecological site: Bottomland (R042XC017NM)

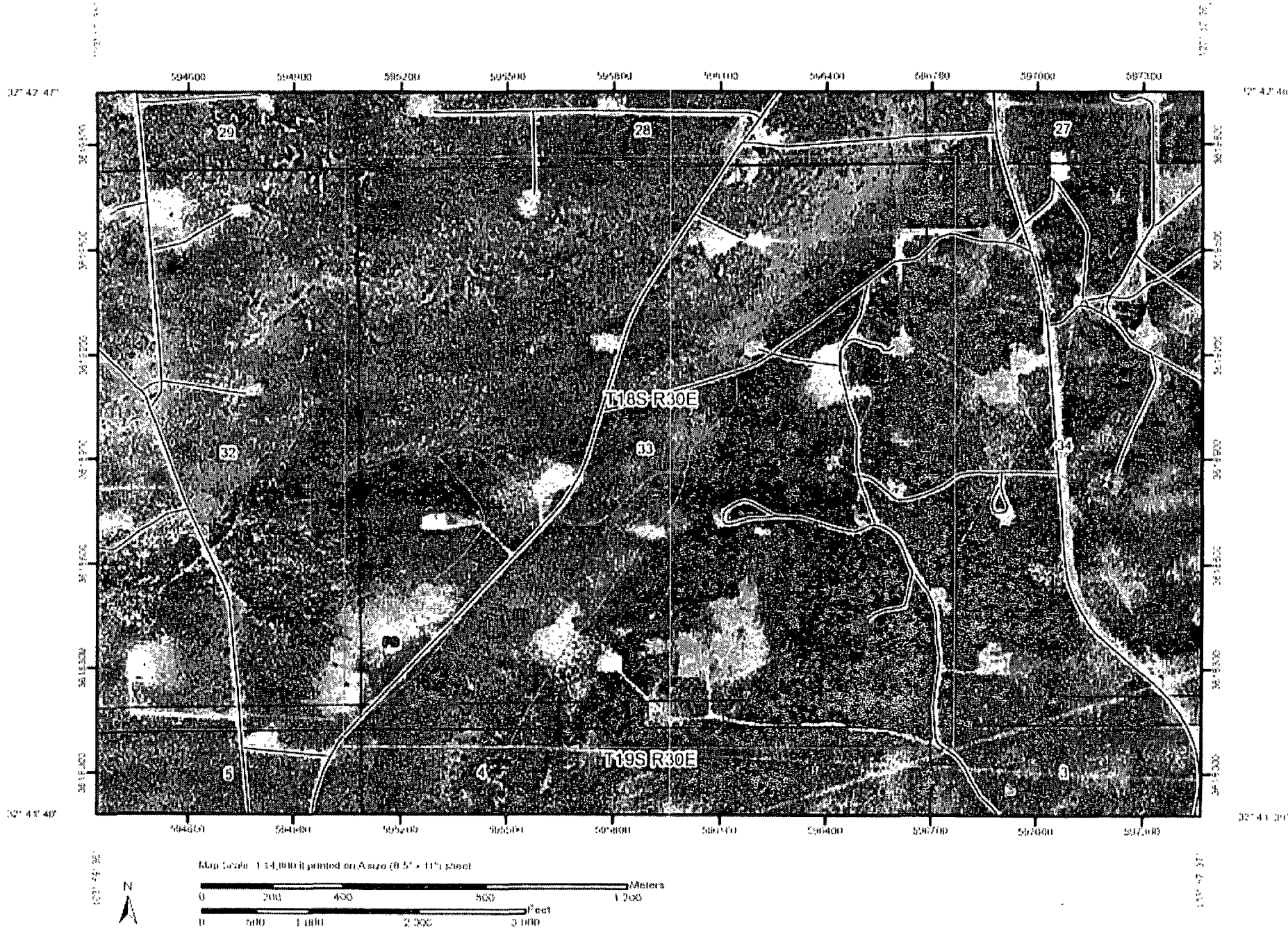
Typical profile

0 to 37 inches: Silty clay loam
37 to 60 inches: Clay loam

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 9, Feb 20, 2009

Soil Map—Eddy Area, New Mexico
(Benson Deep BDX Fed Com #1)



USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

Map Unit Legend

Eddy Area, New Mexico (NM614)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	81.8	11.4%
BD	Berino-Dune land complex, 0 to 3 percent slopes	30.1	4.2%
KM	Kermit-Berino fine sands, 0 to 3 percent slopes	282.3	39.2%
PS	Potter-Simona complex, 5 to 25 percent slopes	21.1	2.9%
SM	Simona-Bippus complex, 0 to 5 percent slopes	305.8	42.4%
Totals for Area of Interest		721.1	100.0%