

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2008



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

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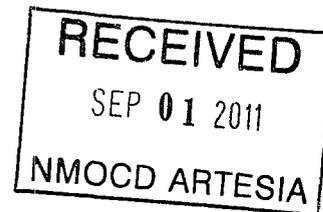
JOHN D. PERINI
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JORGE S. MENDOZA
CHIEF ADMINISTRATIVE OFFICER

September 1, 2011

Mr. Mike Bratcher
NMOCD District II
811 South First Street
Artesia, NM 88210

Re: Marathon Box Water Line
2RP-843
30-015-26916
Section 13, T21S-R23E
Eddy County, New Mexico



Dear Mr. Bratcher:

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 July 22, 2011.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of September 12, 2011.

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

Thank you.

YATES PETROLEUM CORPROATION

Robert Asher
Senior Environmental Regulatory Agent

Enclosure(s)

RECEIVED
SEP 01 2011
NMOCD ARTESIA

Yates Petroleum Corporation

Marathon Box Water Line Work Plan

Section 13, T21S-R23E

Eddy County, New Mexico

September 1, 2011

I. Location

The well is located approximately 37 miles southwest of Artesia, NM and approximately 0.4 miles northeast of Grey Oak Road (CR 403), as represented by the attached 'Martha Creek; NM', USGS Quadrangle Map.

II. Background

On July 22, 2011, Yates submitted to the NMOCD District II office a Form C-141 for a release of 8 B/PW with 2 B/PW recovered. The total affected area is approximately 10 feet by 180 feet area (off of the west side of the pipeline right of way). The release was from a broken O-ring on the water line valve. A contractor excavated approximately 12" of impacted soils; those impacted soils were taken to an NMOCD approved facility. Initial delineation samples were taken (8/3/2011) and sent to an NMOCD approved laboratory (8/15/2011, results enclosed).

III. Surface and Ground Water

Area surface geology is Paleozoic. The nearest groundwater of record is listed on the New Mexico Office of the State Engineer (Section 23, T21S-R23E) shows depth to groundwater approximately 180 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.

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 area consists of soils that are caliche and loamy/clay top soil and are interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on analytical results, Yates Petroleum Corporation will have a contractor excavate an additional 3 feet of impacted soils (initial samples indicate historical contamination); impacted soils will be taken to an NMOCD approved facility. Vertical/horizontal delineation samples will be taken in the excavation area, the samples will be sent to an NMOCD approved laboratory and ran for TPH & BTEX (initial chloride sampling results for documentation are less than 1000 ppm and no further chloride sampling will be conducted). If sample results are above the RRAL's for the site ranking of zero (0), further excavation and delineation sampling will occur. If sample results are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0), a C-141, Final Report, analytical results and a site sample diagram will be submitted to the NMOCD and request closure of the site. Upon Final C-141 approval the excavation will be backfilled with clean, like materials.

5049 II SE
(FOSTER RANCH)

20

42

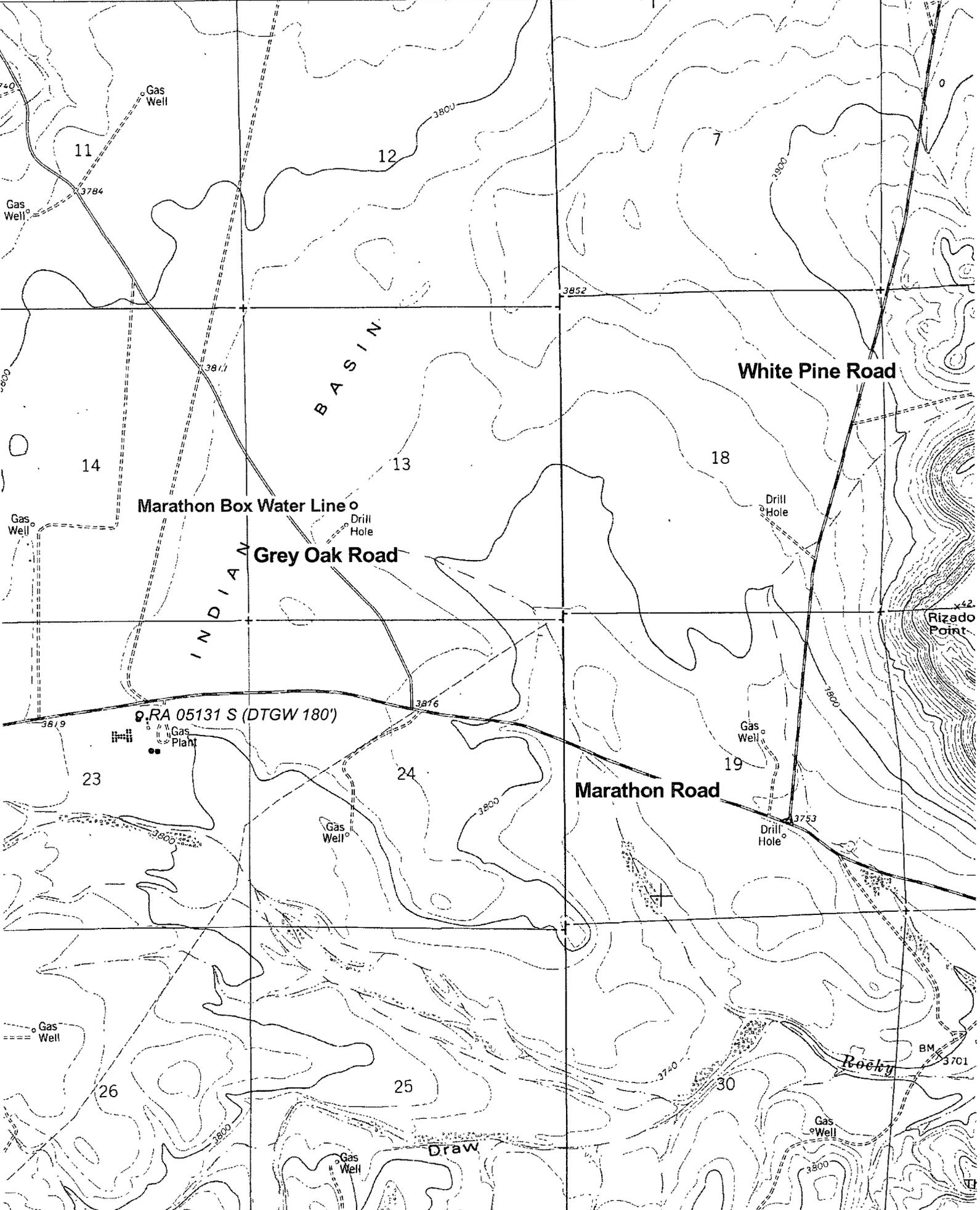
R 23 E

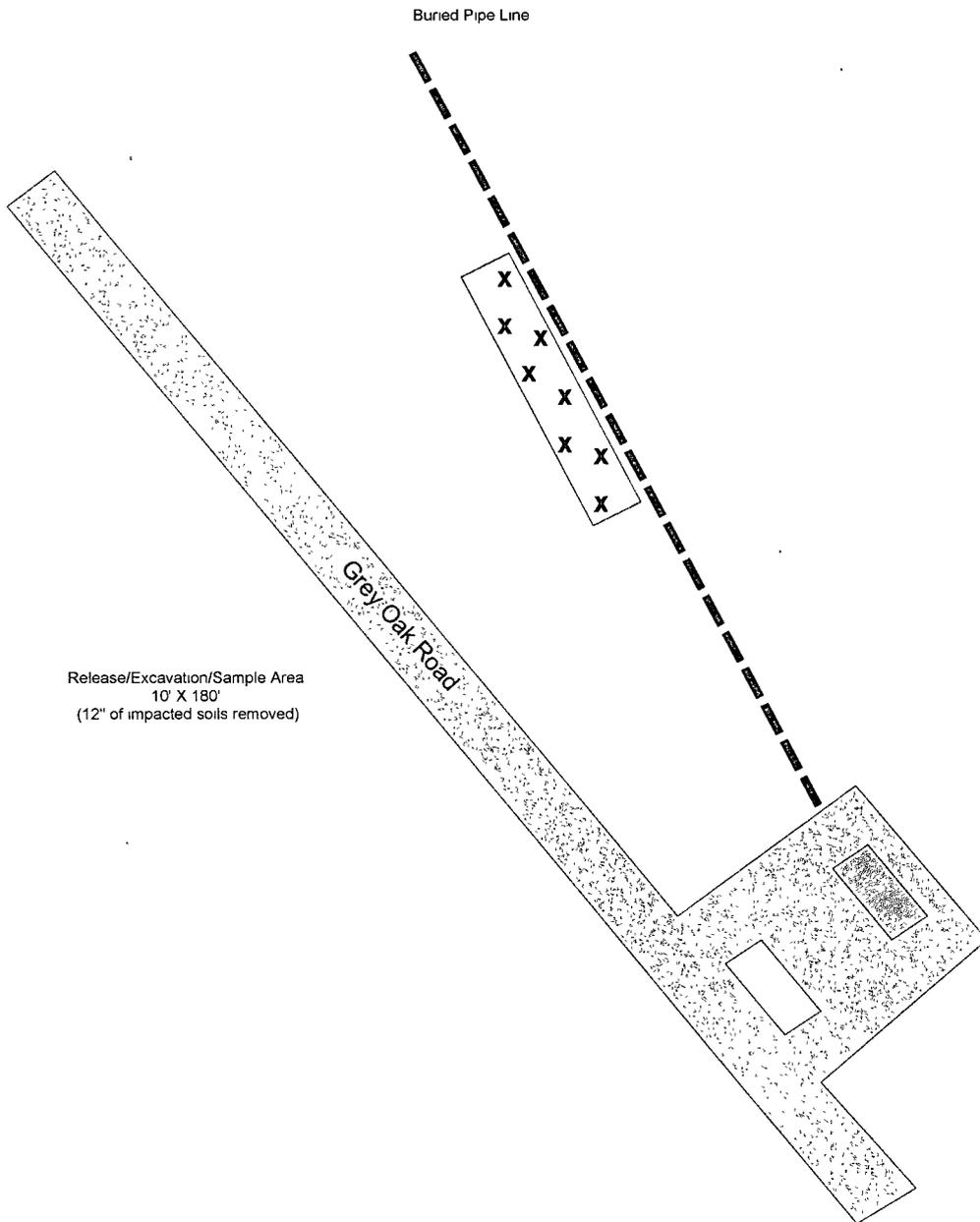
R 24 E

32'30"

440 000 FEET

SEVE





| Analytical Report: 425149 & 425150 | Sample Area | Sample Date | Sample Type | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|---------------------------------------|--------------|-------------|-------------|---------------|-------|--------|--------|--------|-----------|
| Comp-00.5 | Release Area | 8/3/2011 | Comp/Auger | 6" (18" BSL) | 11.6 | 503.0 | 2800.0 | 3303.0 | 893 |
| Comp-01.0 | Release Area | 8/3/2011 | Comp/Auger | 12" (18" BSL) | 14.9 | 647.0 | 2070.0 | 2717.0 | 637 |
| Comp-01.5 | Release Area | 8/3/2011 | Comp/Auger | 18" (24" BSL) | 152.0 | 2810.0 | 7110.0 | 9920.0 | 668 |

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 180', Section 23, T21S-R23E per NMOSE).

All results are ppm. X - Sample Points BLS - Below Surface Level

Released: 8 B/PW; Recovered: 2 B/PW. Release Date: 7/19/2011



Marathon Box Water Line

30-015-26916

Section 13, T21S-R23E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

**Xenco Laboratories# 425149 & 425150
Report Date: 8/15/2011**

**Prepared by Robert Asher
Environmental Regulatory Agent**

Analytical Report 425149

for Yates Petroleum Corporation

Project Manager: Robert Asher

Marathon Box Water Line

30-015-26916

15-AUG-11

Collected By: Client



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12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



15-AUG-11

Project Manager: **Robert Asher**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **425149**
Marathon Box Water Line
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 425149. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 425149 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II

Odessa Laboratory Manager

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Sample Cross Reference 425149



Yates Petroleum Corporation, Artesia, NM
Marathon Box Water Line

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------------|---------------|-----------------------|---------------------|----------------------|
| Comp-00.5 | S | 08-03-11 10:24 | 6 - 6 In | 425149-001 |
| Comp-01.0 | S | 08-03-11 10:41 | 12 - 12 In | 425149-002 |
| Comp-01.5 | S | 08-03-11 10:57 | 18 - 18 In | 425149-003 |



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Marathon Box Water Line



Project ID: 30-015-26916
Work Order Number: 425149

Report Date: 15-AUG-11
Date Received: 08/05/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-867107 BTEX by EPA 8021B
SW8021BM

Batch 867107, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Ethylbenzene, Toluene, m_p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 425149-003, -001, -002.

The Laboratory Control Sample for Toluene, Benzene, o-Xylene, Ethylbenzene, m_p-Xylenes is within laboratory Control Limits

SW8021BM

Batch 867107, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 425149-003,425149-002.



Certificate of Analysis Summary 425149

Yates Petroleum Corporation, Artesia, NM

Project Name: Marathon Box Water Line



Project Id: 30-015-26916

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Aug-05-11 09:20 am

Report Date: 15-AUG-11

Project Manager: Brent Barron II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 425149-001 | 425149-002 | 425149-003 | | | |
|------------------------------------|-------------------|-----------------|-----------------|-----------------|--|--|--|
| | <i>Field Id:</i> | Comp-00 5 | Comp-01.0 | Comp-01 5 | | | |
| | <i>Depth:</i> | 6-6 In | 12-12 In | 18-18 In | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | | | |
| | <i>Sampled:</i> | Aug-03-11 10:24 | Aug-03-11 10:41 | Aug-03-11 10:57 | | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | Aug-11-11 10:40 | Aug-11-11 10:40 | Aug-11-11 10:40 | | | |
| | <i>Analyzed:</i> | Aug-11-11 16:09 | Aug-11-11 17:15 | Aug-12-11 10:38 | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | | | |
| Benzene | | ND 0.279 | 0.238 0.112 | 1.60 1.12 | | | |
| Toluene | | 2.30 0.558 | 2.46 0.224 | 34.2 2.25 | | | |
| Ethylbenzene | | 0.675 0.279 | 0.811 0.112 | 6.72 1.12 | | | |
| m_p-Xylenes | | 6.44 0.558 | 6.74 0.224 | 87.6 2.25 | | | |
| o-Xylene | | 2.15 0.279 | 4.69 0.112 | 22.3 1.12 | | | |
| Total Xylenes | | 8.59 0.279 | 11.4 0.112 | 110 1.12 | | | |
| Total BTEX | | 11.6 0.279 | 14.9 0.112 | 152 1.12 | | | |
| Percent Moisture | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | Aug-05-11 13:00 | Aug-05-11 13:00 | Aug-05-11 13:00 | | | |
| | <i>Units/RL:</i> | % RL | % RL | % RL | | | |
| Percent Moisture | | 11.1 1.00 | 11.0 1.00 | 11.2 1.00 | | | |
| TPH By SW8015B Mod | <i>Extracted:</i> | Aug-05-11 11:30 | Aug-05-11 11:30 | Aug-05-11 11:30 | | | |
| | <i>Analyzed:</i> | Aug-05-11 16:17 | Aug-05-11 16:46 | Aug-05-11 17:14 | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | | | |
| C6-C10 Gasoline Range Hydrocarbons | | 503 83.9 | 647 169 | 2810 338 | | | |
| C10-C28 Diesel Range Hydrocarbons | | 2800 83.9 | 2070 169 | 7110 338 | | | |
| Total TPH | | 3300 83.9 | 2720 169 | 9920 338 | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron II
Odessa Laboratory Manager



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

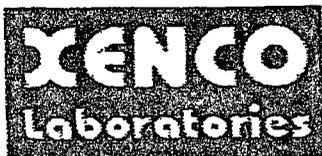
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|---|----------------|----------------|
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| 9701 Harry Hines Blvd, Dallas, TX 75220 | (281) 240-4200 | (281) 240-4280 |
| 5332 Blackberry Drive, San Antonio TX 78238 | (214) 902 0300 | (214) 351-9139 |
| 2505 North Falkenburg Rd, Tampa, FL 33619 | (210) 509-3334 | (210) 509-3335 |
| 5757 NW 158th St, Miami Lakes, FL 33014 | (813) 620-2000 | (813) 620-2033 |
| 12600 West I-20 East, Odessa, TX 79765 | (305) 823-8500 | (305) 823-8555 |
| 6017 Financial Drive, Norcross, GA 30071 | (432) 563-1800 | (432) 563-1713 |
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| | (602) 437-0330 | |



XENCO Laboratories
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates
 Date/Time: 8-5-11 9:20
 Lab ID #: 425149 / 425150-01
 Initials: xi

Sample Receipt Checklist

| | | | | |
|---|--------------|--------------|--------------|--------------|
| 1. Samples on ice? | Blue | <u>Water</u> | No | |
| 2. Shipping container in good condition? | <u>Yes</u> | No | None | |
| 3. Custody seals intact on shipping container (cooler) and bottles? | <u>Yes</u> | No | <u>N/A</u> | |
| 4. Chain of Custody present? | <u>Yes</u> | No | | |
| 5. Sample instructions complete on chain of custody? | <u>Yes</u> | No | | |
| 6. Any missing / extra samples? | Yes | <u>No</u> | | |
| 7. Chain of custody signed when relinquished / received? | <u>Yes</u> | No | | |
| 8. Chain of custody agrees with sample label(s)? | <u>Yes</u> | No | | |
| 9. Container labels legible and intact? | <u>Yes</u> | No | | |
| 10. Sample matrix / properties agree with chain of custody? | <u>Yes</u> | No | | |
| 11. Samples in proper container / bottle? | <u>Yes</u> | No | | |
| 12. Samples properly preserved? | <u>Yes</u> | No | N/A | |
| 13. Sample container intact? | <u>Yes</u> | No | | |
| 14. Sufficient sample amount for indicated test(s)? | <u>Yes</u> | No | | |
| 15. All samples received within sufficient hold time? | <u>Yes</u> | No | | |
| 16. Subcontract of sample(s)? | <u>Yes</u> | No | N/A | |
| 17. VOC sample have zero head space? | Yes | No | <u>N/A</u> | |
| 18. Cooler 1 No. | Cooler 2 No. | Cooler 3 No. | Cooler 4 No. | Cooler 5 No. |
| lbs 6 °C | lbs °C | lbs °C | lbs °C | lbs °C |

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 425150

for Yates Petroleum Corporation

Project Manager: Robert Asher

Marathon Box Water Line

30-015-26916

15-AUG-11

Collected By: Client



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Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



15-AUG-11

Project Manager: **Robert Asher**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **425150**
Marathon Box Water Line
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 425150. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 425150 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II

Odessa Laboratory Manager

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Sample Cross Reference 425150



Yates Petroleum Corporation, Artesia, NM
Marathon Box Water Line

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------------|---------------|-----------------------|---------------------|----------------------|
| Comp-00.5 | S | 08-03-11 10:24 | 6 - 6 In | 425150-001 |
| Comp-01.0 | S | 08-03-11 10:41 | 12 - 12 In | 425150-002 |
| Comp-01.5 | S | 08-03-11 10:57 | 18 - 18 In | 425150-003 |



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Marathon Box Water Line



Project ID: 30-015-26916
Work Order Number: 425150

Report Date: 15-AUG-11
Date Received: 08/05/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-866920 Inorganic Anions by EPA 300/300.1
E300

Batch 866920, Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 425150-003, -001, -002.

The Laboratory Control Sample for Chloride is within laboratory Control Limits



Certificate of Analysis Summary 425150

Yates Petroleum Corporation, Artesia, NM

Project Name: Marathon Box Water Line



Project Id: 30-015-26916

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Aug-05-11 09:20 am

Report Date: 15-AUG-11

Project Manager: Brent Barron II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 425150-001 | 425150-002 | 425150-003 | | | |
|---|-------------------|-----------------|-----------------|-----------------|--|--|--|
| | <i>Field Id:</i> | Comp-00 5 | Comp-01.0 | Comp-01.5 | | | |
| | <i>Depth:</i> | 6-6 In | 12-12 In | 18-18 In | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | | | |
| | <i>Sampled:</i> | Aug-03-11 10:24 | Aug-03-11 10:41 | Aug-03-11 10:57 | | | |
| Inorganic Anions by EPA 300/300.1 SUB: T104704215-TX | <i>Extracted:</i> | Aug-10-11 11:06 | Aug-10-11 11:06 | Aug-10-11 11:06 | | | |
| | <i>Analyzed:</i> | Aug-10-11 16:37 | Aug-10-11 16:55 | Aug-10-11 17:49 | | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | | | |
| Chloride | | 893 5.62 | 637 5.62 | 668 5.63 | | | |
| Percent Moisture | <i>Extracted:</i> | | Aug-05-11 13:00 | Aug-05-11 13:00 | | | |
| | <i>Analyzed:</i> | | Aug-05-11 13:00 | Aug-05-11 13:00 | | | |
| | <i>Units/RL:</i> | % RL | % RL | % RL | | | |
| Percent Moisture | | 11.1 1.00 | 11.0 1.00 | 11.2 1.00 | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron II
Odessa Laboratory Manager



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

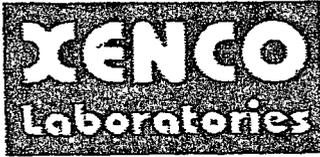
DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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| | | |
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XENCO Laboratories
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Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates
 Date/Time: 8-5-11 9:20
 Lab ID #: 425149 / 425150-01
 Initials: EM

Sample Receipt Checklist

| | | | | |
|---|--------------|--------------|--------------|--------------|
| 1. Samples on ice? | Blue | <u>Water</u> | No | |
| 2. Shipping container in good condition? | <u>Yes</u> | No | None | |
| 3. Custody seals intact on shipping container (cooler) and bottles? | <u>Yes</u> | No | <u>N/A</u> | <u>EM</u> |
| 4. Chain of Custody present? | <u>Yes</u> | No | | |
| 5. Sample instructions complete on chain of custody? | <u>Yes</u> | No | | |
| 6. Any missing / extra samples? | Yes | <u>No</u> | | |
| 7. Chain of custody signed when relinquished / received? | <u>Yes</u> | No | | |
| 8. Chain of custody agrees with sample label(s)? | <u>Yes</u> | No | | |
| 9. Container labels legible and intact? | <u>Yes</u> | No | | |
| 10. Sample matrix / properties agree with chain of custody? | <u>Yes</u> | No | | |
| 11. Samples in proper container / bottle? | <u>Yes</u> | No | | |
| 12. Samples properly preserved? | <u>Yes</u> | No | N/A | |
| 13. Sample container intact? | <u>Yes</u> | No | | |
| 14. Sufficient sample amount for indicated test(s)? | <u>Yes</u> | No | | |
| 15. All samples received within sufficient hold time? | <u>Yes</u> | No | | |
| 16. Subcontract of sample(s)? | <u>Yes</u> | No | N/A | |
| 17. VOC sample have zero head space? | Yes | No | <u>N/A</u> | |
| 18. Cooler 1 No. | Cooler 2 No. | Cooler 3 No. | Cooler 4 No. | Cooler 5 No. |
| lbs 6 °C | lbs °C | lbs °C | lbs °C | lbs °C |

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis