

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    | NGEG0735451350 |
| District RP    | 2RP-204        |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|  |   |
|--|---|
| Responsible Party EOG Resources, Inc.                        | OGRID 7377                                  |
| Contact Name Chase Settle                                    | Contact Telephone 575-748-1471              |
| Contact email Chase_Settle@eogresources.com                  | Incident # (assigned by OCD) NGEG0735451350 |
| Contact mailing address 104 S. 4th Street, Artesia, NM 88210 |   |

### Location of Release Source

Latitude 32.07216 Longitude -104.19913  
(NAD 83 in decimal degrees to 5 decimal places)

|                                    |                   |
|------------------------------------|-------------------|
| Site Name Salt Grass WS Federal #1 | Site Type Battery |
| Date Release Discovered 12/17/2007 | API# 30-015-61945 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| I           | 26      | 14S      | 27E   | Eddy   |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

|  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Crude Oil      | Volume Released (bbls) 70  | Volume Recovered (bbls) 0   |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 10  | Volume Recovered (bbls) 0   |
|  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)   | Volume Recovered (bbls)   |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)  | Volume Recovered (Mcf)  |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                             |

Cause of Release Please refer to the attached original C-141 form for 2RP-204 for cause of release and immediate action steps. EOG Resources is submitting for closure via the new form to formally close out this incident. All sampling and correspondence is also attached.

State of New Mexico  
Oil Conservation Division

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|  |  |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input type="checkbox"/> 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*

|  |   |
|--|---|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.   |   |
| If all the actions described above have <u>not</u> 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: <u>Chase Settle</u>  | Title: <u>Rep Safety &amp; Environmental Sr</u> |
| Signature: <u></u>  | Date: <u>09/27/2021</u>                         |
| email: <u>Chase_Settle@eogresources.com</u>  | Telephone: <u>575-748-1471</u>                  |
| <b><u>OCD Only</u></b>   |   |
| Received by: _____   | Date: _____                                     |

State of New Mexico  
Oil Conservation Division

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## 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?   | _____ (ft bgs)   |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input type="checkbox"/> Yes <input type="checkbox"/> 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)?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input type="checkbox"/> 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? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input type="checkbox"/> Yes <input type="checkbox"/> 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 1/2-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.

State of New Mexico  
Oil Conservation Division

|                |                |
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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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

|                |                |
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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: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Oil Conservation Division

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## 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: Chase Settle Title: Rep Safety and Environmental Sr  
Signature:  Date: 09/27/2021  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**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: 10/06/2021  
Printed Name: Bradford Billings Title: Envi.Spec.A

**RP#:** 2RP-204

**Location Name:** Salt Grass WS Federal #1

**Current Status:** C-141 Final submitted and approved. Need to update OCD database with approval date.



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

IGEG0735451610  
NGRG0735451350

#### OPERATOR

☒ Initial Report ☐ Final Report

|  |                            |                               |
|--|----------------------------|-------------------------------|
| Name of Company<br>Yates Petroleum Corporation | OGRID Number<br>25575      | Contact<br>Robert Asher       |
| Address<br>104 S. 4 <sup>TH</sup> Street       |                            | Telephone No.<br>505-748-1471 |
| Facility Name<br>Salt Grass WS Federal #1      | API Number<br>30-005-61945 | Facility Type<br>Battery      |

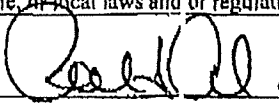
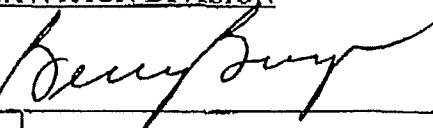
|                        |                        |                       |
|------------------------|------------------------|-----------------------|
| Surface Owner<br>State | Mineral Owner<br>State | Lease No.<br>NM-38476 |
|------------------------|------------------------|-----------------------|

#### LOCATION OF RELEASE

|                  |               |                 |              |                       |                           |                      |                        |                  |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|------------------|
| Unit Letter<br>I | Section<br>26 | Township<br>16S | Range<br>27E | Feet from the<br>1980 | North/South Line<br>South | Feet from the<br>660 | East/West Line<br>East | County<br>Chaves |
|------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|------------------|

Latitude 33.07216 Longitude 104.19913

#### NATURE OF RELEASE

|   |  |   |
|---|--|---|
| Type of Release<br>Condensate & Produced Water  | Volume of Release<br>70 B/C & 10 B/PW  | Volume Recovered<br>0 B/C & 0 B/PW            |
| Source of Release<br>Stock tank   | Date and Hour of Occurrence<br>12/17/2007 - PM   | Date and Hour of Discovery<br>12/17/2007 - PM |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required  | If YES, To Whom?<br>Mike Bratcher, OCD, District II (Voice mail & E-mail)  |   |
| By Whom?<br>Robert Asher, Yates Petroleum Corporation   | Date and Hour<br>12/17/2007, 4:20 PM   |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   | If YES, Volume Impacting the Watercourse.<br>N/A   |   |
| If a Watercourse was Impacted, Describe Fully *<br>N/A  |  |   |
| Describe Cause of Problem and Remedial Action Taken.*<br>Drain valve froze and broke on stock tank causing release. Crew called to start picking up contaminated soils.   |  |   |
| Describe Area Affected and Cleanup Action Taken.*<br>An approximate area of 18' X 10' (inside battery), 18' X 35' (well pad) & 2' X 50' (north side of lease road) Contaminated soils have been excavated and disposed at an OCD approved facility. Vertical and horizontal delineation will be made and corrective action taken. Depth to Ground Water: 50'-99' (approximately 75' per trend map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10.   |  |   |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCED 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 NMOCED marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCED 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. |  |   |
| Signature:   | OIL CONSERVATION DIVISION  |   |
| Printed Name: Robert Asher  | Approved by District Supervisor:  |   |
| Title: Environmental Regulatory Agent   | Approval Date: DEC 20 2007 Expiration Date:  |   |
| E-mail Address: hoba@ypcnm.com  | Conditions of Approval:  | Attached <input checked="" type="checkbox"/>  |
| Date: Thursday, December 20, 2007   | Phone: 505-748-4217  |   |

\* Attach Additional Sheets if necessary

2RP-204



**Guye, Gerry, EMNRD**

**From:** Guye, Gerry, EMNRD  
**Sent:** Thursday, December 20, 2007 2:24 PM  
**To:** 'boba@ypcnm.com'  
**Subject:** Salt Grass WS Fed #1

This office is in receipt of your C-141 on the oil and produced water release, at this facility.

NMOCD Rule 19.15.3.116 states in part ... "The responsible person must complete **division approved corrective action** for releases which endanger public health or the environment. Releases will be addressed in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with Section 19 of 19.15.1 NMAC."

Information and tools for proper corrective action may be found in the Environmental Handbook on our web site [www.emnrd.state.nm.us/ocd](http://www.emnrd.state.nm.us/ocd) under the heading publications.

Remediation requirements may be subject to other federal, state and local laws or regulations.

Within 30 days, **on or before January 20, 2008**, completion of a remediation work plan should be finalized and submitted to the Division, summarizing all actions taken or to be taken to mitigate environmental damage related to the leak, spill or release, for approval.

Please be advised that NMOCD acceptance and/or approval of documents or work plans does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance and/or approval of documents or work plans do not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If I may be of further service or if you have any questions please feel free to contact me.

**Gerry Guye**

Compliance Officer

NMOCD - Artesia

Office (505)748-1283x105

Mobile (505)626-0843

E-Mail: [gerry.guye@state.nm.us](mailto:gerry.guye@state.nm.us)

12/20/2007

MARTIN YATES, III  
1918-1988

FRANK W. YATES  
1936-1988



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (505) 748-1471

B.F. YATES  
CHAIRMAN EMERITUS

JOHN A. YATES  
CHAIRMAN OF THE BOARD

PEYTON YATES  
PRESIDENT

FRANK YATES, JR.  
EXECUTIVE VICE PRESIDENT

JOHN A. YATES, JR.  
SENIOR VICE PRESIDENT

January 22, 2008

JAN 22 2008  
OCD-ARTESIA

Mr. Mike Bratcher  
NMOCD District II  
1301 West Grand  
Artesia, NM 88210

Re: Salt Grass WS Federal #1  
30-005-61945  
Section 26, T14S-R27E  
Chaves County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 dated December 20, 2007. Scope of work described in the plan will be conducted as soon as the work plan is approved and the contractor is scheduled.

If you have any questions call me at (505) 748-4217

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher  
Environmental Regulatory Agent

Enclosure(s)

RANDY B. PATTERSON  
VICE PRESIDENT

DAVID L. LANNING  
ASSISTANT VICE PRESIDENT

DENNIS G. KINSEY  
TREASURER

NOV-04-2008 MON 02:08 PM YATES ENGINEERING

FAX NO. 15057484585

P. 03

**Yates Petroleum Corporation**

**Salt Grass WS Federal #1 Work Plan**

**Section 26, T14S-R27E**

**Chaves County, New Mexico**

**January 22, 2008**

**I. Location**

The well is located approximately 8 miles east of Hagerman, NM, southeast of Aberdeen Road (State Highway 249) and east of Harriet Road (County Road 257), as represented by the attached Derick Draw, NM, USGS Quadrangle Map.

**II. Background**

On December 20, 2007, Yates submitted to the NMOCD District II office a C-141 report reflecting a release of 70 barrels of condensate and 10 barrels of produced water from a stock tank. There were no barrels of condensate or produced water to recover, contaminated soils were excavated and taken to an OCD approved facility. The affected area is approximately 18' X 20' (inside berm), 18' X 35' (on well pad) and 2' X 50' (north side of lease road). Samples were taken on 1/3/2008 (enclosed sample diagram with results); further excavation of contaminated soils was conducted (soils taken to an OCD approved facility). Samples were again taken on 1/15/2008 (enclosed diagram and results). All samples were sent for testing to an OCD approved laboratory.

**III. Surface and Ground Water**

Area surface geology is Cenozoic. The nearest groundwater of record is listed on the ChevronTexaco, Eddy County Depth to Groundwater Water Well Facilities Trend Map dated 2/9/2005 shows the depth to groundwater is approximately 75 feet (Unit Letter I, Section 26, T14S-R27E) making the site ranking for this site a ten (10). Any 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' |

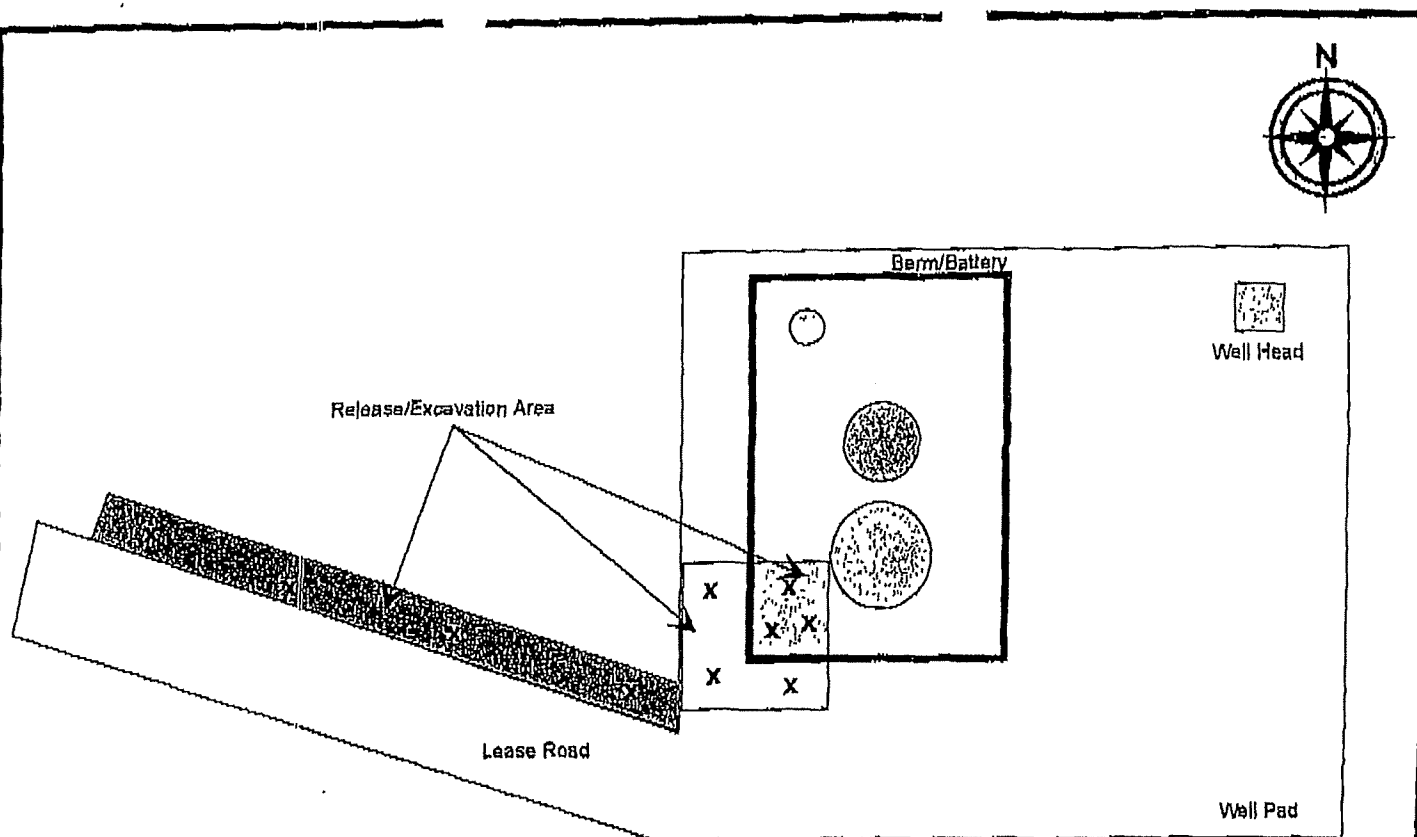
**IV. Soils**

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

**V. Scope of Work**

Upon approval of this work plan, Yates will conduct sampling for delineation on release area north of the lease road. Based on results, YPC would have a contractor will excavate the contaminated soils that are above RRAL's, place on plastic on location at an approximate depth of one (1) foot then add nitrogen fertilizer, water and till the soils.

Yates will then re-sample the soils in approximately 45 - 60 days; these samples will be sent to a certified lab and analyzed for BTEX and TPH. Based on the Total Ranking Score of ten (10), RRAL's for BTEX is 50 ppm and TPH is 1000 ppm. If results are above OCD guidelines, then further remediation as described above will be implemented to attain the acceptable limits. If lab analysis reflects closure levels then Yates will submit a Final C-141, requesting site closure.



| Sample ID   | Sample Date | Sample Type | Depth | BTEX   | TPH (GRO) | TPH (DRO) | TPH (TOTAL) | Chlorides |
|-------------|-------------|-------------|-------|--------|-----------|-----------|-------------|-----------|
| GS/Comp-001 | 1/3/2008    | Grab/Auger  | 1'    | 52.54  | 1420.0    | 1010.0    | 2430.0      | <100      |
| GS/Comp-002 | 1/3/2008    | Grab/Auger  | 2'    | 14.442 | 730.0     | 229.0     | 959.0       | <100      |
| GS/Comp-003 | 1/3/2008    | Grab/Auger  | 1'    | 11.058 | 595.0     | 312.0     | 907.0       | <100      |
| GS/Comp-004 | 1/3/2008    | Grab/Auger  | 2'    | 0.176  | 47.2      | 50.0      | 97.2        | <100      |
| GS/Comp-005 | 1/3/2008    | Grab/Auger  | 1'    | 149.9  | 1580.0    | 2110.0    | 3690.0      | <100      |
| GS/Comp-006 | 1/3/2008    | Grab/Auger  | 2'    | 15.06  | 668.0     | 478.0     | 1046.0      | <100      |
| Sample ID   | Sample Date | Sample Type | Depth | BTEX   | TPH (GRO) | TPH (DRO) | TPH (TOTAL) | Chlorides |
| GS/Comp-007 | 1/10/2008   | Grab/Auger  | 3'    | 0.0111 | ND        | 23.5      | 23.5        |           |
| GS/Comp-008 | 1/10/2008   | Grab/Auger  | 3'    | 154.38 | 5170.0    | 1040.0    | 6210.0      |           |

Site Ranking is Ten (10). Depth to Ground Water 50-98' (approx. 75'). All results are ppm.



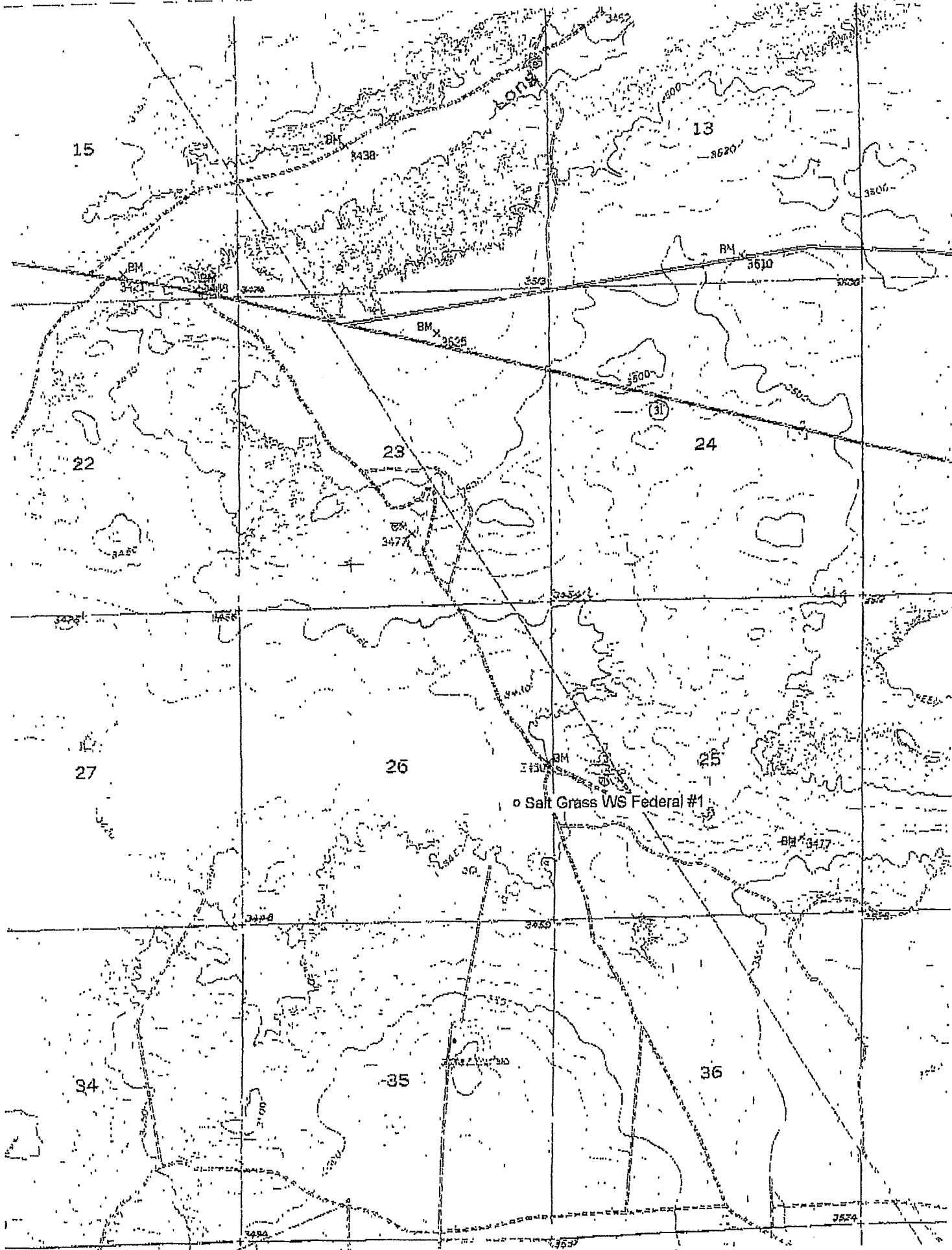
Salt Grass WS Federal #1

Section 26, T14S-R27E

Chaves County, NM

SITE SAMPLE DIAGRAM  
(Not to Scale)

Prepared by Robert Asher  
Environmental Regulatory Agent  
January 22, 2008





Page 15 of 38  
Received by OCD: 10/5/2021 11:06:38 AM  
Released to Imaging: 10/6/2021 1:38:41 PM

District I  
625 N French Dr., Hobbs, NM 88240  
District II  
301 W Grand Avenue, 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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

JUL 10 2008  
OCD-ARTESIA

Form C-141  
Revised October 10, 2003  
Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

i GEG 0735451610  
n GEG 0735451350

OPERATOR

☐ Initial Report ☒ Final Report

|  |                               |                          |
|--|-------------------------------|--------------------------|
| Name of Company<br>Yates Petroleum Corporation | OGRID Number<br>25575         | Contact<br>Robert Asher  |
| Address<br>104 S. 4 <sup>TH</sup> Street       | Telephone No.<br>505-748-1471 |                          |
| Facility Name<br>Salt Grass WS Federal #1      | API Number<br>30-005-61945    | Facility Type<br>Battery |
| Surface Owner<br>State                         | Mineral Owner<br>State        | Lease No.<br>NM-38476    |

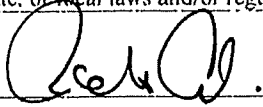
LOCATION OF RELEASE

| Unit Letter | Section | Township              | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|-----------------------|-------|---------------|------------------|---------------|----------------|--------|
| I           | 26      | <del>168</del><br>145 | 27E   | 1980          | South            | 660           | East           | Chaves |

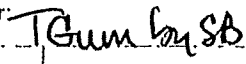
Latitude 33.07216 Longitude 104.19913

NATURE OF RELEASE

|   |  |   |
|---|--|---|
| Type of Release<br>Condensate & Produced Water  | Volume of Release<br>70 B/C & 10 B/PW                                    | Volume Recovered<br>0 B/C & 0 B/PW            |
| Source of Release<br>Stock tank   | Date and Hour of Occurrence<br>12/17/2007 - PM                           | Date and Hour of Discovery<br>12/17/2007 - PM |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required  | If YES, To Whom?<br>Mike Bratcher, OCD, District II (Voicemail & E-mail) |   |
| By Whom?<br>Robert Asher, Yates Petroleum Corporation   | Date and Hour<br>12/17/2007, 4:20 PM                                     |   |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   | If YES, Volume Impacting the Watercourse<br>N/A                          |   |
| If a Watercourse was Impacted, Describe Fully.*<br>N/A  |  |   |
| Describe Cause of Problem and Remedial Action Taken.*<br>Drain valve froze and broke on stock tank causing release. Crew called to start picking up contaminated soils.   |  |   |
| Describe Area Affected and Cleanup Action Taken.*<br>An approximate area of 18' X 20' (inside battery), 18' X 35' (well pad) & 2' X 50' (north side of lease road). Contaminated soils have been excavated and disposed at an OCD approved facility. Vertical and horizontal delineation will be made and corrective action taken. Remediation work complete per work plan. Depth to Ground Water: 50'-99' (approximately 75' per trend map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. Based on remediation work, enclosed analytical report(s), Yates Petroleum Corporation requests closure.   |  |   |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCID 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 NMOCID marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCID 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. |  |   |

Signature:   
Printed Name: Robert Asher  
Title: Environmental Regulatory Agent  
E-mail Address: boba@ypcnm.com  
Date: Friday, July 11, 2008 Phone: 505-748-4217  
Attach Additional Sheets If Necessary

OIL CONSERVATION DIVISION

Approved by District Supervisor:   
Approval Date: 8-4-08 Expiration Date: N/A  
Conditions of Approval: N/A  
Attached ☐ N/A

2RP-204



MARTIN YATES, III  
1912-1985

FRANK W. YATES  
1936-1986



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

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PRESIDENT

PEYTON YATES  
DIRECTOR

JOHN A. YATES, JR.  
DIRECTOR

July 11, 2008

Mr. Mike Bratcher  
NMOCD District II  
1301 W. Grand Ave.  
Artesia, NM 88210

JUL 10 2008  
OCD-ARTESIA

RE: Salt Grass WS Federal #1  
30-005-61945  
Section 26, T14S-R27E  
Chaves County, New Mexico

Dear Mr. Bratcher,

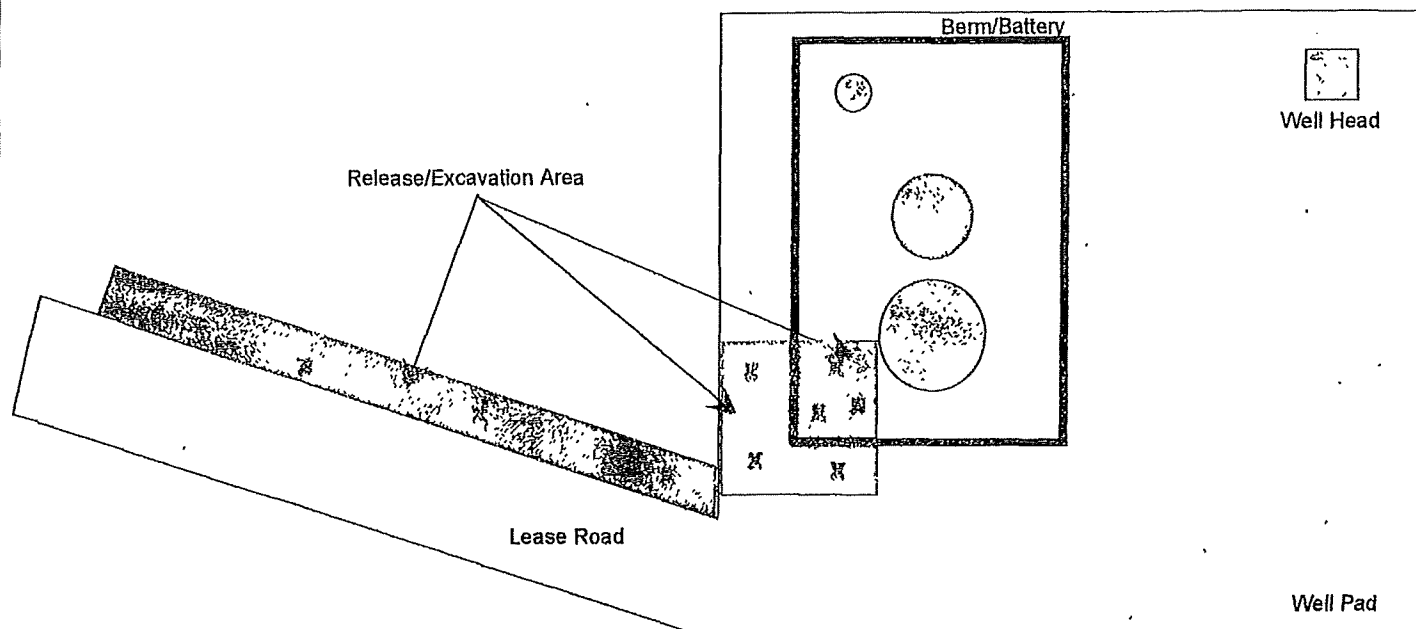
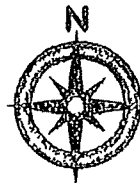
Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on December 17, 2007 (70 B/Condensate & 10 B/PW with 0 B/Condensate & 0 B/PW recovered). Soils were excavated to a depth of two (2) feet and taken to an OCD approved facility, composite samples were taken on 1/3/2008 and 1/10/2008 (Site Sample Diagram - A). A work plan was submitted and approved, per the work plan an additional two (2) feet of contaminated soils were excavated, placed on plastic, bermed and remediated (nitrogen fertilizer, watered and tilled during a four month period until analytical results were below RRAL's, Site Sample Diagram - B). Enclosed are analytical results, results are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) with the Total Ranking Score of ten (10). All actions taken for remediation of soils do not pose a threat to ground water, surface water, human health or the environment. Yates Petroleum Corporation requests closure of the site. Upon OCD approval the excavation area will be backfilled with onsite remediated soils and any additional clean, like materials if needed.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher  
Environmental Regulatory Agent

Enclosure(s)  
/rca



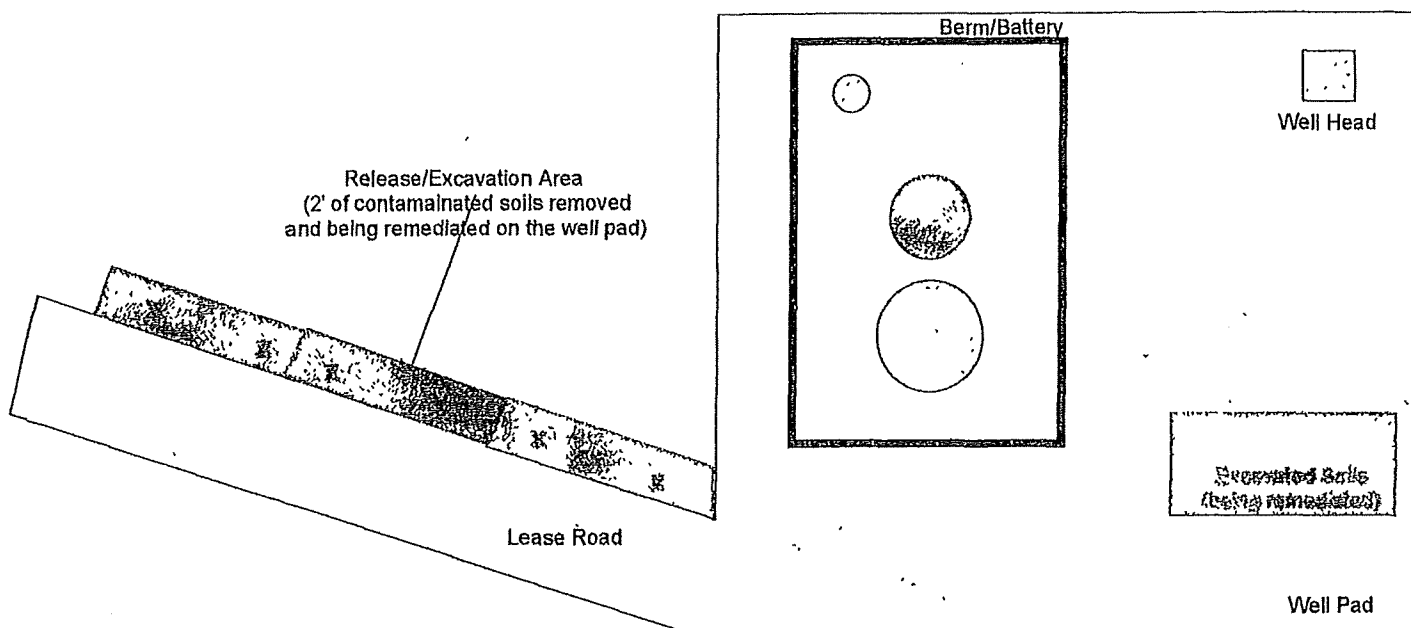
| Sample ID   | Sample Date | Sample Type | Depth | BTEX   | TPH (GRO) | TPH (DRO) | TPH (TOTAL) | Chlorides |
|-------------|-------------|-------------|-------|--------|-----------|-----------|-------------|-----------|
| GS/Comp-001 | 1/3/2008    | Grab/Auger  | 1'    | 52.54  | 1420.0    | 1010.0    | 2430.0      | <100      |
| GS/Comp-002 | 1/3/2008    | Grab/Auger  | 2'    | 14.442 | 730.0     | 229.0     | 959.0       | <100      |
| GS/Comp-003 | 1/3/2008    | Grab/Auger  | 1'    | 11.058 | 595.0     | 312.0     | 907.0       | <100      |
| GS/Comp-004 | 1/3/2008    | Grab/Auger  | 2'    | 0.176  | 47.2      | 50.0      | 97.2        | <100      |
| GS/Comp-005 | 1/3/2008    | Grab/Auger  | 1'    | 149.9  | 1580.0    | 2110.0    | 3690.0      | <100      |
| GS/Comp-006 | 1/3/2008    | Grab/Auger  | 2'    | 15.06  | 568.0     | 478.0     | 1046.0      | <100      |
| Sample ID   | Sample Date | Sample Type | Depth | BTEX   | TPH (GRO) | TPH (DRO) | TPH (TOTAL) | Chlorides |
| GS/Comp-007 | 1/10/2008   | Grab/Auger  | 3'    | 0.0111 | ND        | 23.5      | 23.5        |           |
| GS/Comp-008 | 1/10/2008   | Grab/Auger  | 3'    | 154.38 | 5170.0    | 1040.0    | 6210.0      |           |

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 75'). All results are ppm.



**Salt Grass WS Federal #1**  
**Section 26, T14S-R27E**  
**Chaves County, NM**

**SITE SAMPLE DIAGRAM -A**  
**(Not to Scale)**  
**Prepared by Robert Asher**  
**Environmental Regulatory Agent**  
**July 11, 2008**



| Sample ID   | Sample Date | Sample Type | Depth  | BTEX    | TPH (GRO) | TPH (DRO) | TPH (TOTAL) | Chlorides |
|-------------|-------------|-------------|--------|---------|-----------|-----------|-------------|-----------|
| 1001        | 1/28/2008   | Grab/Auger  | 1'     |         |           |           | 3630.0      |           |
| 1002        | 1/28/2008   | Grab/Auger  | 2'     |         |           |           | 160.0       |           |
| 1003        | 1/28/2008   | Grab/Auger  | 1'     |         |           |           | 100.0       |           |
| 1004        | 1/28/2008   | Grab/Auger  | 1'     |         |           |           | 120.0       |           |
| GS/Comp-001 | 3/12/2008   | Grab/Shovel | 4"-12" | 17.145  | 870.0     | 492.0     | 1362.0      |           |
| GS/Comp-001 | 4/23/2008   | Grab/Shovel | 4"-12" | 12.3469 | 866.0     | 614.0     | 1480.0      |           |
| GS/Comp-001 | 7/1/2008    | Grab/Shovel | 4"-12" |         | ND        | 79.2      | 79.2        |           |

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 75'). All results are ppm.



Salt Grass WS Federal #1  
Section 26, T14S-R27E  
Chaves County, NM

SITE SAMPLE DIAGRAM - B  
(Not to Scale)  
Prepared by Robert Asher  
Environmental Regulatory Agent  
July 11, 2008



**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client  Yates   
Date/ Time  11/6/21 1:45   
Lab ID #  296081   
Initials  CIL

**Sample Receipt Checklist**

|     |  |            | Client Initials |                          |
|-----|--|------------|-----------------|--------------------------|
| #1  | Temperature of container/ cooler?                      | <u>Yes</u> | No              | <u>5.0</u> *C            |
| #2  | Shipping container in good condition?                  | <u>Yes</u> | No              |                          |
| #3  | Custody Seals intact on shipping container/ cooler?    | <u>Yes</u> | No              | Not Present              |
| #4  | Custody Seals intact on sample bottles/ container?     | <u>Yes</u> | No              | Not Present              |
| #5  | Chain of Custody present?                              | <u>Yes</u> | No              |                          |
| #6  | Sample instructions complete of Chain of Custody?      | <u>Yes</u> | No              |                          |
| #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              | ID written on Cont / Lid |
| #9  | Container label(s) legible and intact?                 | <u>Yes</u> | No              | Not Applicable           |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No              |                          |
| #11 | Containers supplied by ELOT?                           | <u>Yes</u> | No              |                          |
| #12 | Samples in proper container/ bottle?                   | <u>Yes</u> | No              | See Below                |
| #13 | Samples properly preserved?                            | <u>Yes</u> | No              | See Below                |
| #14 | Sample bottles intact?                                 | <u>Yes</u> | No              |                          |
| #15 | Preservations documented on Chain of Custody?          | <u>Yes</u> | No              |                          |
| #16 | Containers documented on Chain of Custody?             | <u>Yes</u> | No              |                          |
| #17 | Sufficient sample amount for indicated test(s)?        | <u>Yes</u> | No              | See Below                |
| #18 | All samples received within sufficient hold time?      | <u>Yes</u> | No              | See Below                |
| #19 | Subcontract of sample(s)?                              | <u>Yes</u> | No              | Not Applicable           |
| #20 | VOC samples have zero headspace?                       | <u>Yes</u> | No              | Not Applicable           |

**Variance Documentation**

Contact \_\_\_\_\_ Contacted by \_\_\_\_\_ Date/ Time \_\_\_\_\_

Regarding \_\_\_\_\_

Corrective Action Taken

- Check all that Apply
- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event



**Sample Cross Reference 307087**



**Yates Petroleum Corporation, Artesia, NM**  
Salt Grass WS Federal # 1

| Sample Id   | Matrix | Date Collected  | Sample Depth | Lab Sample Id |
|-------------|--------|-----------------|--------------|---------------|
| GS/Comp-001 | S      | Jul-01-08 09:38 | 4" - 1 ft    | 307087-001    |

# Certificate of Analysis Summary 307087

## Yates Petroleum Corporation, Artesia, NM

Project Name: Salt Grass WS Federal # 1

Project Id: 30-005-61945

Contact: Robert Asher

Project Location: Chaves County

Date Received in Lab: Wed Jul-02-08 10 15 am

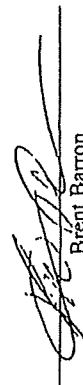
Report Date: 09-JUL-08

Project Manager: Brent Barron, II

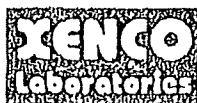
|   |                   |                 |  |  |  |  |
|---|-------------------|-----------------|--|--|--|--|
| <b>Analysis Requested</b>                 | <b>Lab Id:</b>    | 307087-001      |  |  |  |  |
|   | <b>Field Id:</b>  | GS/Comp-001     |  |  |  |  |
|   | <b>Depth:</b>     | 4"-1 ft         |  |  |  |  |
|   | <b>Matrix:</b>    | SOIL            |  |  |  |  |
|   | <b>Sampled:</b>   | Jul-01-08 09 38 |  |  |  |  |
| <b>Percent Moisture</b>                   | <b>Extracted:</b> |                 |  |  |  |  |
|   | <b>Analyzed:</b>  | Jul-02-08 16 00 |  |  |  |  |
|   | <b>Units/RL:</b>  | % RL            |  |  |  |  |
| <b>TPH by SW 8015B</b>                    |                   | 13.2            |  |  |  |  |
|   | <b>Extracted:</b> | Jul-08-08 11 30 |  |  |  |  |
|   | <b>Analyzed:</b>  | Jul-08-08 12 56 |  |  |  |  |
| <b>C6-C10 Gasoline Range Hydrocarbons</b> | <b>Units/RL:</b>  | mg/kg RL        |  |  |  |  |
|   |                   | ND 17.3         |  |  |  |  |
|   |                   | 79.2 17.3       |  |  |  |  |
| <b>C10-C28 Diesel Range Hydrocarbons</b>  |                   |                 |  |  |  |  |
| <b>Total TPH</b>                          |                   | 79.2            |  |  |  |  |

The data used in this report and the entire data package it represents has been made for your exclusive and confidential use. The data is not to be used for any other purpose without the written consent 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  
Odessa Laboratory Director





## 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 effect the recovery of the spike concentration. This condition could also effect 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 MQL(PQL) and above the SQL(MDL).
  - 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.
- \* Outside XENCO'S scope of NELAC Accreditation

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| (305) 823-8500 | (305) 823-8555 |
| (770) 449-8800 | (770) 449-5477 |



## Environmental Lab of Texas

## Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum  
 Date/ Time: 7/2/08 10:15  
 Lab ID #: 307087  
 Initials: AL

## Sample Receipt Checklist

Client Initials

|     |  |            |    |                          |  |
|-----|--|------------|----|--------------------------|--|
| #1  | Temperature of container/ cooler?                    | <u>Yes</u> | No | <u>7.5 °C</u>            |  |
| #2  | Shipping container in good condition?                | <u>Yes</u> | No |                          |  |
| #3  | Custody Seals intact on shipping container/ cooler?  | <u>Yes</u> | No | Not Present              |  |
| #4  | Custody Seals intact on sample bottles/ container?   | <u>Yes</u> | No | Not Present              |  |
| #5  | Chain of Custody present?                            | <u>Yes</u> | No |                          |  |
| #6  | Sample instructions complete of Chain of Custody?    | <u>Yes</u> | No |                          |  |
| #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 | ID written on Cont / Lid |  |
| #9  | Container label(s) legible and intact?               | <u>Yes</u> | No | Not Applicable           |  |
| #10 | Sample main/ properties agree with Chain of Custody? | <u>Yes</u> | No |                          |  |
| #11 | Containers supplied by ELOT?                         | <u>Yes</u> | No |                          |  |
| #12 | Samples in proper container/ bottle?                 | <u>Yes</u> | No | See Below                |  |
| #13 | Samples properly preserved?                          | <u>Yes</u> | No | See Below                |  |
| #14 | Sample bottles intact?                               | <u>Yes</u> | No |                          |  |
| #15 | Preservations documented on Chain of Custody?        | <u>Yes</u> | No |                          |  |
| #16 | Containers documented on Chain of Custody?           | <u>Yes</u> | No |                          |  |
| #17 | Sufficient sample amount for indicated test(s)?      | <u>Yes</u> | No | See Below                |  |
| #18 | All samples received within sufficient hold time?    | <u>Yes</u> | No | See Below                |  |
| #19 | Subcontract of sample(s)?                            | <u>Yes</u> | No | <u>Not Applicable</u>    |  |
| #20 | VOC samples have zero headspace?                     | <u>Yes</u> | No | Not Applicable           |  |

## Variance Documentation

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_

Check all that Apply

- ☐ See attached e-mail/ fax  
☐ Client understands and would like to proceed with analysis  
☐ Cooling process had begun shortly after sampling event

Report Date: April 30, 2008  
30-005-61945

Work Order: 8042315  
Salt Grass WS Federal #1

Page Number: 1 of 1  
Chaves County, NM

## Summary Report

Robert Asher  
Yates Petroleum Corp.  
105 South 4th South  
Artesia, NM, 88210

Report Date: April 30, 2008

Work Order: 8042315



PO#: 105632  
Project Location: Chaves County, NM  
Project Name: Salt Grass WS Federal #1  
Project Number: 30-005-61945

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|-------------|--------|------------|------------|---------------|
| 157637 | GS/Comp-001 | soil   | 2008-04-22 | 10:28      | 2008-04-23    |

| Sample - Field Code  | BTEX               |                    |                         |                   | TPH DRO        | TPH GRO        |
|----------------------|--------------------|--------------------|-------------------------|-------------------|----------------|----------------|
|                      | Benzene<br>(mg/Kg) | Toluene<br>(mg/Kg) | Ethylbenzene<br>(mg/Kg) | Xylene<br>(mg/Kg) | DRO<br>(mg/Kg) | GRO<br>(mg/Kg) |
| 157637 - GS/Comp-001 | <0.0200            | 0.0959             | 0.731                   | 11.5              | 614            | 866            |

Report Date: March 17, 2008  
30-005-61945

Work Order: 8031320  
Salt Grass WS Federal #1

Page Number: 1 of 1  
Chaves County, NM

## Summary Report

Robert Asher  
Yates Petroleum Corp.  
105 South 4th South  
Artesia, NM, 88210

Report Date: March 17, 2008

Work Order: 8031320



PO#: 105632  
Project Location: Chaves County, NM  
Project Name: Salt Grass WS Federal #1  
Project Number: 30-005-61945

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|-------------|--------|------------|------------|---------------|
| 153583 | GS/Comp-001 | soil   | 2008-03-12 | 10:17      | 2008-03-13    |

| Sample - Field Code  | BTEX               |                    |                         |                   | TPH DRO        | TPH GRO        |
|----------------------|--------------------|--------------------|-------------------------|-------------------|----------------|----------------|
|                      | Benzene<br>(mg/Kg) | Toluene<br>(mg/Kg) | Ethylbenzene<br>(mg/Kg) | Xylene<br>(mg/Kg) | DRO<br>(mg/Kg) | GRO<br>(mg/Kg) |
| 153583 - GS/Comp-001 | <0.100             | 0.155              | 1.19                    | 15.8              | 492            | 870            |

MARTIN YATES, III  
1912-1985

FRANK W. YATES  
1936-1986



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

S.P. YATES  
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JOHN A. YATES  
CHAIRMAN OF THE BOARD

FRANK YATES, JR.  
PRESIDENT

PEYTON YATES  
DIRECTOR

JOHN A. YATES, JR.  
DIRECTOR

I certify that on 1/28/2008 tests were conducted on soil samples from the following location:

Salt Grass WS Federal #1

Following are the results of testing.

EPA Method 9074, TPH 001 -- 3660 ppm

EPA Method 9074, TPH 002 -- 100 ppm

EPA Method 9074, TPH 003 -- 120 ppm

EPA Method 9074, TPH 004 -- 160 ppm

All testing was conducted at Yates Petroleum Corporation or on location.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher  
Environmental Regulatory Agent

RANDY G. PATTERSON  
SECRETARY

DAVID LANNING  
CHIEF OPERATING OFFICER

DENNIS G. KINSEY  
TREASURER

# **Analytical Report 296011**

**for**

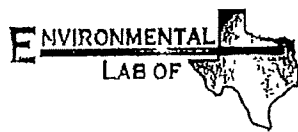
**Yates Petroleum Corporation**

**Project Manager: Robert Asher**

**Salt Grass WS Federal # 1**

**30-005-61945**

**18-JAN-08**



**12600 West I-20 East Odessa, Texas 79765**

Texas certification numbers:  
Houston, TX T104704215

Florida certification numbers:  
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675  
Norcross(Atlanta), GA E87429

South Carolina certification numbers:  
Norcross(Atlanta), GA 98015

North Carolina certification numbers:  
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America  
Midland - Corpus Christi - Atlanta





18-JAN-08

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

Reference: XENCO Report No: **296011**  
**Salt Grass WS Federal # 1**  
Project Address: Chaves 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 296011. 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. 296011 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,

A handwritten signature in black ink, appearing to read "Brent Barron, II", written over a horizontal line.

**Brent Barron, II**

Odessa Laboratory Manager

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*Certified and approved by numerous States and Agencies.*

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**Sample Cross Reference 296011**

**Yates Petroleum Corporation, Artesia, NM**

**Salt Grass WS Federal # 1**

| Sample Id   | Matrix | Date Collected  | Sample Depth | Lab Sample Id |
|-------------|--------|-----------------|--------------|---------------|
| GS/Comp-001 | S      | Jan-15-08 09:54 | 3 - 3 ft     | 296011-001    |
| GS/Comp-002 | S      | Jan-15-08 10:12 | 3 - 3 ft     | 296011-002    |

Yates Petroleum Corporation, Artesia, NM

Project Name: Salt Grass WS Federal # 1

Project Id: 30-005-61945

Contact: Robert Asher

Project Location: Chaves County

Date Received in Lab: Wed Jan-16-08 09 45 am


Report Date: 18-JAN-08

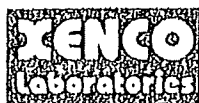
Project Manager: Brent Barron, II

| Analysis Requested   | Lab Id:                            | 296011-001      | 296011-002      |  |  |
|--|------------------------------------|-----------------|-----------------|--|--|
|  | Field Id:                          | GS/Comp-001     | GS/Comp-002     |  |  |
|  | Depth:                             | 3-3 ft          | 3-3 ft          |  |  |
|  | Matrix:                            | SOIL            | SOIL            |  |  |
|  | Sampled:                           | Jan-15-08 09 54 | Jan-15-08 10 12 |  |  |
| BTEX by EPA 8021B  | Extracted:                         | Jan-17-08 10 40 | Jan-17-08 10 40 |  |  |
|  | Analyzed:                          | Jan-17-08 16 13 | Jan-17-08 16 29 |  |  |
|  | Units/RL:                          | mg/kg RL        | mg/kg RL        |  |  |
|  | Benzene                            | ND 0 0011       | ND 0 2159       |  |  |
|  | Toluene                            | ND 0 0022       | 17 94 0 4318    |  |  |
|  | Ethylbenzene                       | ND 0 0011       | 16 68 0 2159    |  |  |
|  | m,p-Xylenes                        | 0 0072 0 0022   | 106 6 0 4318    |  |  |
| Percent Moisture   | o-Xylene                           | 0 0039 0 0011   | 13 16 0 2159    |  |  |
|  | Xylenes, Total                     | 0 0111          | 119 76          |  |  |
|  | Total BTEX                         | 0 0111          | 154 38          |  |  |
| TPH by SW 8015B  | Extracted:                         | Jan-17-08 08 06 | Jan-17-08 08 08 |  |  |
|  | Analyzed:                          | % RL            | % RL            |  |  |
|  | Units/RL:                          | % RL            | % RL            |  |  |
| C6-C10 Gasoline Range Hydrocarbons<br>C10-C28 Diesel Range Hydrocarbons<br>Total TPH | Percent Moisture                   | 8 95            | 7 36            |  |  |
|  | Extracted:                         | Jan-17-08 16 05 | Jan-17-08 16 05 |  |  |
|  | Analyzed:                          | Jan-18-08 14 28 | Jan-18-08 14 54 |  |  |
|  | Units/RL:                          | mg/kg RL        | mg/kg RL        |  |  |
|  | C6-C10 Gasoline Range Hydrocarbons | ND 16 5         | 5170 16 2       |  |  |
| Total TPH  | C10-C28 Diesel Range Hydrocarbons  | 23 5 B 16 5     | 1040 16 2       |  |  |
|  | Total TPH                          | 23 5            | 6210            |  |  |

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 user of the data hereby presented. Our liability is limited to the amount invested for this work order unless otherwise agreed to in writing.

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Brent Barron  
Odessa Laboratory Director



## 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 effect the recovery of the spike concentration. This condition could also effect 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 MQL(PQL) and above the SQL(MDL).
- 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.

\* Outside XENCO'S scope of NELAC Accreditation

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11381 Meadowglen Lane Suite L Houston, Tx 77082-2647  
 9701 Harry Hines Blvd, Dallas, TX 75220  
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 2505 N Falkenburg Rd, Tampa, FL 33619  
 5757 NW 158th St, Miami Lakes, FL 33014  
 6017 Financial Dr, Norcross, GA 30071

| Phone          | Fax            |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (214) 902 0300 | (214) 351-9139 |
| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |
| (770) 449-8800 | (770) 449-5477 |



**Environmental Lab of Texas**  
Variance/ Corrective Action Report- Sample Log-In

Client Notes  
Date/ Time 116 Oct 1945  
Lab ID # 296041  
Initials CIL

**Sample Receipt Checklist**

|     |  |            |    | Client Initials          |    |
|-----|--|------------|----|--------------------------|----|
| #1  | Temperature of container/ cooler?                      | <u>Yes</u> | No | <u>5.0</u>               | *C |
| #2  | Shipping container in good condition?                  | <u>Yes</u> | No |                          |    |
| #3  | Custody Seals intact on shipping container/ cooler?    | <u>Yes</u> | No | Not Present              |    |
| #4  | Custody Seals intact on sample bottles/ container?     | <u>Yes</u> | No | Not Present              |    |
| #5  | Chain of Custody present?                              | <u>Yes</u> | No |                          |    |
| #6  | Sample instructions complete of Chain of Custody?      | <u>Yes</u> | No |                          |    |
| #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 | ID written on Cont / Lid |    |
| #9  | Container label(s) legible and intact?                 | <u>Yes</u> | No | Not Applicable           |    |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No |                          |    |
| #11 | Containers supplied by ELOT?                           | <u>Yes</u> | No |                          |    |
| #12 | Samples in proper container/ bottle?                   | <u>Yes</u> | No | See Below                |    |
| #13 | Samples properly preserved?                            | <u>Yes</u> | No | See Below                |    |
| #14 | Sample bottles intact?                                 | <u>Yes</u> | No |                          |    |
| #15 | Preservations documented on Chain of Custody?          | <u>Yes</u> | No |                          |    |
| #16 | Containers documented on Chain of Custody?             | <u>Yes</u> | No |                          |    |
| #17 | Sufficient sample amount for indicated test(s)?        | <u>Yes</u> | No | See Below                |    |
| #18 | All samples received within sufficient hold time?      | <u>Yes</u> | No | See Below                |    |
| #19 | Subcontract of sample(s)?                              | <u>Yes</u> | No | Not Applicable           |    |
| #20 | VOC samples have zero headspace?                       | <u>Yes</u> | No | Not Applicable           |    |

**Variance Documentation**

Contact                      Contacted by                      Date/ Time                     

Regarding                     

Corrective Action Taken

Check all that Apply

- ☐ See attached e-mail/ fax  
☐ Client understands and would like to proceed with analysis  
☐ Cooling process had begun shortly after sampling event

Report Date: January 9, 2008  
30-005-61945

Work Order: 8010414  
Salt Grass WS Federal #1

Page Number: 1 of 2  
Chaves County, NM

## Summary Report

Robert Asher  
Yates Petroleum Corp.  
105 South 4th South  
Artesia, NM, 88210

Report Date: January 9, 2008

Work Order: 8010414



PO#: 105632  
Project Location: Chaves County, NM  
Project Name: Salt Grass WS Federal #1  
Project Number: 30-005-61945

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|-------------|--------|------------|------------|---------------|
| 146908 | GS/Comp-001 | soil   | 2008-01-03 | 11:05      | 2008-01-04    |
| 146909 | GS/Comp-002 | soil   | 2008-01-03 | 11:22      | 2008-01-04    |
| 146910 | GS/Comp-003 | soil   | 2008-01-03 | 11:36      | 2008-01-04    |
| 146911 | GS/Comp-004 | soil   | 2008-01-03 | 11:52      | 2008-01-04    |
| 146912 | GS/Comp-005 | soil   | 2008-01-03 | 12:09      | 2008-01-04    |
| 146913 | GS/Comp-006 | soil   | 2008-01-03 | 12:24      | 2008-01-04    |

| Sample - Field Code  | BTEX               |                    |                         |                   | TPH DRO        | TPH GRO        |
|----------------------|--------------------|--------------------|-------------------------|-------------------|----------------|----------------|
|                      | Benzene<br>(mg/Kg) | Toluene<br>(mg/Kg) | Ethylbenzene<br>(mg/Kg) | Xylene<br>(mg/Kg) | DRO<br>(mg/Kg) | GRO<br>(mg/Kg) |
| 146908 - GS/Comp-001 | <0.200             | 6.26               | 4.08                    | 42.2              | 1010           | 1420           |
| 146909 - GS/Comp-002 | <0.200             | 0.890              | 0.952                   | 12.6              | 229            | 730            |
| 146910 - GS/Comp-003 | <0.200             | 0.582              | 0.846                   | 9.63              | 312            | 595            |
| 146911 - GS/Comp-004 | <0.0200            | <0.0200            | <0.0200                 | 0.172             | <50.0          | 47.2           |
| 146912 - GS/Comp-005 | 0.537              | 20.0               | 12.9                    | 117               | 2110           | 1580           |
| 146913 - GS/Comp-006 | <0.100             | 1.12               | 1.24                    | 12.7              | 478            | 568            |

Sample: 146908 - GS/Comp-001

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | <100   | mg/Kg | 2.00 |

Sample: 146909 - GS/Comp-002

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | <100   | mg/Kg | 2.00 |

Sample: 146910 - GS/Comp-003

continued ...



Report Date: January 9, 2008  
30-005-61945

Work Order: 8010414  
Salt Grass WS Federal #1

Page Number: 2 of 2  
Chaves County, NM

*sample 146910 continued ...*

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Param    | Flag | Result | Units | RL   |
| Chloride |      | <100   | mg/Kg | 2.00 |

Sample: 146911 - GS/Comp-004

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | <100   | mg/Kg | 2.00 |

Sample: 146912 - GS/Comp-005

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | <100   | mg/Kg | 2.00 |

Sample: 146913 - GS/Comp-006

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | <100   | mg/Kg | 2.00 |

**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  
  
Action 54083

CONDITIONS

|  |   |
|--|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377  |
|  | Action Number:<br>54083                                   |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| bbillings  | None      | 10/6/2021      |