



# **CLOSURE REPORT**

# **HUNT APO 1**

4 T21S R34E LEA COUNTY, NEW MEXICO

January 23, 2007

Mcident - nPAC07 13/48/37 application - PPAC07

RP#1187

MARTIN YATES, III

FRANK W. YATES 1936-1986



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

JOHN A. YATES CHAIRMAN OF THE BOARD

PEYTON YATES

FRANK YATES, JR.

JOHN A. YATES, JR. SENIOR VICE PRESIDENT

Ms. Pat Caperton NMOCD – District 1 1625 N French Drive Hobbs, NM 88240



January 23, 2007

RE: Hunt APO 1 Unit L, Sec. 4, T21S, R34E Lea County, New Mexico

Dear Pat,

Yates Petroleum Corporation would like to submit for your consideration the enclosed closure report for the above captioned well. The closure report is being submitted to comply with section VII termination of Remedial Action of the New Mexico Oil and gas Conservation Division (OCD) *Guidelines for Remediation of Leaks, Spills and Releases.* 

Yates has complied with the closure criteria and based on the analytical report, respectfully requests that no further action is required and requests NMOCD to grant final closure.

Should you have any questions, please don't hesitate to contact me. Thank you.

Sincerely,

Sherry Bonham Environmental Regulatory Agent

RANDY G. PATTERSON

DAVID L. LANNING

## INTRODUCTION

This closure report for the Hunt APO 1 has been developed to comply with Section VII Termination of Remedial Action of the New Mexico Oil and Gas Conservation Division (OCD).

## BACKGROUND

Yates Petroleum Corporation (Yates) is the operator of the Hunt APO 1 (API 30-025-27135) site. The initial release was the result of a water pump failure. Yates submitted Initial Report Form C-141 on May 16, 2006. A copy of the Initial Report C-141 is included as Attachment A.

## **RECOMMENDED REMEDIAL ACTION LEVELS**

Based on Section IV of the Guidelines, the Ranking Criteria for this site is as follows:

| ٠ | Depth to | o groui | nd w | vater >100' | 0 |
|---|----------|---------|------|-------------|---|
|   |          |         |      | 1 II        | • |

| • | Not in well head protection area      | 0        |
|---|---------------------------------------|----------|
| • | Distance to surface water body >1000' | <u>0</u> |
|   | TOTAL RANKING SCORE                   | 0        |

For sites with a Total Ranking Score of 0, the Recommended Remedial Action Levels (RRALs) are:

- Benzene (ppm) 10
- BTEX (ppm) 50

• TPH (ppm) 5000

## HISTORY

Affected soils were contained within the bermed area. A vacuum truck and crew were called in to recover standing fluids. Approximately 2 barrels of fluids were recovered. On September 14, 2006, Sherry Bonham of Yates Petroleum Corporation went to the Hunt APO 1 for the purpose of obtaining confirmation samples. NMOCD – District 1 was given the requested 48 hour notification and the opportunity to witness sampling event. Samples were obtained using a hand auger. The hand auger was cleaned with Alconox® using a hand scrub brush, rinsed with de-ionized water, and allowed to air dry before beginning each boring. The soil samples were collected directly from the hand auger bucket, placed into

clean, sample jars provided by the analytical laboratory, and placed on ice. Samples were delivered to Environmental Lab of Texas who performed the chemical analyses. The samples were analyzed for Chlorides, TPH by EPA Method 8015B and BTEX by EPA Method 8021B. After reporting sample results to Mr. Larry Johnson NMOCD-District 1 via phone call on October 10, 2006, Mr. Johnson requested additional sampling. The additional sampling was conducted by Mr. Eb Taylor of Talon LPE on October 30, 2006. Mr. Taylor could auger only to a depth of two feet. At that point, refusal was encountered. This refusal was due to encountering a layer of rock. A copy of the laboratory report as well as the sample point diagram is included as Attachment B.

### **CLOSURE REQUEST**

Given the site ranking as zero, the soil analyses information for TPH and BTEX do not exceed this criteria. Chloride results are submitted for information purposes. Yates Petroleum Corporation respectfully requests this site be closed and no further actions taken. Included is a Final Report C-141 requesting closure.

Respectfully,

Sherry Bonham Environmental Regulatory Agent

# **Attachment A**

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 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 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

|  |  |  | Rele  | ase Notific  | catio                              | n and Co  | orrective A   | ction                                |   |   |  |
|--|--|--|---|--|------------------------------------|---|---|--------------------------------------|---|---|--|
|  |  |  |   |  |                                    | <b>OPERA</b>                                    | ГOR   |                                      | 🛛 Initia                                    | l Report                                      | Final Report   |
| Name of Co   | ompany Y   | ates Petrole                                       | um Corp   | oration  |                                    |   | erry Bonham   |                                      |   |   |  |
| Address 10   |  |  |   |  |                                    |   | No. 505.748.147   |                                      |   |   |  |
| Facility Nat   | me Hunt  | APO State 1  | 30 02   | 5 27135  |                                    | Facility Typ                                    | e Tank Batter   | <u>у</u>                             |   |   |  |
| Surface Ow   | mer State  |  |   | Mineral C  | Owner                              | State   |   |                                      | Lease N                                     | lo.   |  |
|  |  |  |   | LOCA   | ATIO                               | N OF RE   | LEASE   |                                      |   |   |  |
| Unit Letter<br>L   | Section<br>4   | Township<br>21S                                    | Range<br>34E                                    | Feet from the 2310   |                                    | /South Line<br>DUTH                             | Feet from the 660   |                                      | Vest Line<br>E <b>ST</b>                    | County<br>LEA                                 |  |
|  |  | ]  | Latitude  | 32.50675   | L                                  | ongitude  | 103.48073   |                                      |   |   |  |
|  |  |  |   | NAT  | TURE                               | OF REL  | EASE  |                                      |   |   |  |
| Type of Rele   |  |  |   |  |                                    | Volume of                                       | Release 15 BBL  | , <b>P/W</b>                         |   | Lecovered 2                                   |  |
|  |  | er Pump Fail                                       | ure   |  |                                    | 5/2/06 PN                                       |   | e                                    | Date and 5/2/06 PI                          | Hour of Disc<br>M                             | overy  |
| Was Immed  | ate Notice (   |  | Yes 🗌   | ] No 🖾 Not R   | equired                            | If YES, To<br>N/A                               | Whom?   |                                      |   |   |  |
| By Whom?   |  |  |   |  |                                    | Date and H                                      |   |                                      |   | · · · · · · · · · · · · · · · · · · ·         |  |
| Was a Water  | course Rea   | ched?  | Yes 🛛   | No   |                                    | If YES, V                                       | olume Impacting   | he Wate                              | ercourse.                                   |   |  |
| Describe Ca<br>Release wa<br>Vacuum tru                      | use of Probl<br>s caused by<br>ick and cre                     | w called in. 3                                     | dial Actio<br>inside of<br>3" line rep          | n Taken.*<br>3" line that ate<br>paired.                     | through                            | ı pipe causin                                   | g a hole in pipe.   | Pumpe                                | r shut in w                                 | ell and shut                                  | down equipment.  |
| Hole in pip  | e resulted i<br>iids. Will a                                   | and Cleanup A<br>n produced v<br>ssess site for    | vater rele                                      | ase within appro   | oximate                            | ly 20' X 15' t                                  | oermed area. Va   | icuum t                              | ruck and c                                  | rew called i                                  | n to vacuum  |
| regulations<br>public healt<br>should their<br>or the enviro | all operators<br>h or the envi<br>operations l<br>onment. In a | are required to<br>ironment. The<br>have failed to | o report a<br>acceptan<br>adequatel<br>OCD acce | nd/or file certain<br>ce of a C-141 rep<br>y investigate and | release i<br>oort by th<br>remedia | notifications a<br>he NMOCD n<br>ite contaminat | y knowledge and u<br>and perform corre-<br>narked as "Final R<br>tion that pose a thu<br>ve the operator of | ctive act<br>Report" of<br>reat to g | tions for rel<br>loes not rel<br>round wate | eases which<br>ieve the oper<br>r, surface wa | may endanger<br>ator of liability<br>ter, human health |
| Signature:   | Skerns   | Seu li a   | u)  |  |                                    |   | OIL CON   |                                      | ATION                                       | DIVISIC                                       | <u>N</u>   |
| Printed Nan  | ne: Sherry   | Bonham   |   |  |                                    | Approved by                                     | y District Supervis   | sor:                                 |   |   |  |
|  |  | Regulatory A                                       | gent Trai                                       | nee  |                                    | Approval Da                                     | ate:  |                                      | Expiration                                  | Date:   |  |
| E-mail Add   | ress: <u>sherry</u>  | b@ypcnm.coi  | <u>n</u>  |  |                                    | Conditions of                                   | of Approval:  |                                      |   | Attached                                      |  |
| Date: 5/16/  | 06   |  |   | Phone: 505.748   | 3.1471                             |   |   |                                      |   |   |  |

\* Attach Additional Sheets If Necessary

# **Attachment B**



| Sample Point                                | Date                                     | GPS  |
|---|--|--|
| Hunt001<br>Hunt002<br>Hunt003<br>Background | 9/14/06<br>9/14/06<br>9/14/06<br>9/14/06 | N32.50635 W103.48174<br>N32.50632 W103.48177<br>N32.50634 W103.48180<br>N32.50676 W103.48228 |
| SP1<br>SP2<br>SP3                           | 10/30/06<br>10/30/06<br>10/30/06         |  |



**HIGHWAY 176** 

Hunt APO State 1



Sec. 4 T21S R34E

Lea County, NM

# SPILL SITE DIAGRAM RELEASE DATE: MAY 2, 2006

(Not to Scale)

New Mexico Office of the State Engineer

|                     | New Mexico O<br>POD Rep | ffice of the Sta<br>orts and Dow | nte Engineer<br>Inloads Sunt APS S | tate /   |
|---------------------|-------------------------|----------------------------------|------------------------------------|----------|
| Township: 21        | S Range: 34E            | Sections:                        |                                    |          |
| NAD27 X:            | Y:                      | Zone:                            | Search Radius:                     |          |
| County:             | Basin:                  |                                  | Number:                            | Suffix:  |
| Owner Name: (First) | (La                     | st)<br>🍥 All                     | O Non-Domestic                     | Domestic |
| POD /               | Surface Data Report     | er Column Repo                   | vg Depth to Water Report           | C        |
|                     | Clear Form              | iWATERS M                        | lenu Help                          |          |
|                     |                         |                                  |                                    |          |

AVERAGE DEPTH OF WATER REPORT 01/08/2007

|     |     |         |      |   |   |       | (Depth ) | Water in | Feet) |
|-----|-----|---------|------|---|---|-------|----------|----------|-------|
| Bsn | Tws | Rng Sec | Zone | x | Y | Wells | Min      | Max      | Avg   |
| СР  | 21S | 34E 06  |      |   |   | 1     | 112      | 112      | 112   |
| СР  | 21S | 34E 21  |      |   |   | 2     | 110      | 128      | 119   |

Record Count: 3





# Analytical Report

# **Prepared for:**

Sherry Bonham Yates Petroleum Corp. 105 S. Fourth St. Artesia, NM 88210

Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Location: Lea County, NM

Lab Order Number: 6I15003

Report Date: 09/21/06

Yates Petroleum Corp. 105 S. Fourth St. Artesia NM, 88210 Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham Fax: (505) 748-4662

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID    | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|--------------|---------------|--------|----------------|------------------|
| Hunt001 10"  | 6I15003-01    | Soil   | 09/14/06 11:20 | 09-15-2006 09:45 |
| Hunt002 10"  | 6115003-02    | Soil   | 09/14/06 11:45 | 09-15-2006 09:45 |
| Hunt003 11"  | 6I15003-03    | Soil   | 09/14/06 12:00 | 09-15-2006 09:45 |
| HuntBG004 8" | 6115003-04    | Soil   | 09/14/06 12:30 | 09-15-2006 09:45 |

#### Yates Petroleum Corp. 105 S. Fourth St.

Artesia NM, 88210

#### Project: Hunt APO State 1 Project Number: L-4-T2TS-R34E Project Manager: Sherry Bonham

Fax: (505) 748-4662

#### Organics by GC

#### **Environmental Lab of Texas**

| Analyte                           | Result                                | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Note                                  |
|-----------------------------------|---------------------------------------|--------------------|-----------|----------|---------|----------|----------|-----------|---------------------------------------|
| Hunt001 10'' (6115003-01) Soil    |                                       |                    | <u> </u>  | <u> </u> |         |          |          |           |                                       |
| Benzene                           | ND                                    | 0.0250             | mg/kg dry | 25       | EI61509 | 09/15/06 | 09/18/06 | EPA 8021B |                                       |
| Toluene                           | ND                                    | 0.0250             | H         | "        | n       | "        | п        |           |                                       |
| Ethylbenzene                      | ND                                    | 0.0250             | n         | **       | "       | н        | "        | n         |                                       |
| Xylene (p/m)                      | ND                                    | 0.0250             | "         | 11       | n       |          | "        | я         |                                       |
| Xylene (o)                        | ND                                    | 0.0250             | "         |          | "       | n        | "        |           |                                       |
| Surrogate: a,a,a-Trifluorotoluene |                                       | 95.5 %             | 80        | 120      | "       | "        | "        | "         |                                       |
| Surrogate: 4-Bromofluorobenzene   |                                       | 85.8 %             | 80        | 120      | "       | "        | "        | "         |                                       |
| Carbon Ranges C6-C10              | ND                                    | 10.0               | mg/kg dry | 1        | E161506 | 09/15/06 | 09/16/06 | EPA 8015B |                                       |
| Carbon Ranges >C10-C28            | ND                                    | 10.0               | 7         |          |         | "        | "        | "         |                                       |
| Total Carbon Range C6-C28         | ND                                    | 10.0               | "         |          | "       | "        | "        | n         |                                       |
| Surrogate: 1-Chlorooctane         |                                       | 99.2 %             | 70-,      | 130      | "       | "        | "        | "         | · · · · · · · · · · · · · · · · · · · |
| Surrogate: 1-Chlorooctadecane     |                                       | 94.0 %             | 70-1      | 130      | "       | "        | "        | "         |                                       |
| Hunt002 10" (6I15003-02) Soil     |                                       |                    |           |          |         |          |          |           |                                       |
| Benzene                           | ND                                    | 0.0250             | mg/kg dry | 25       | EI61509 | 09/15/06 | 09/15/06 | EPA 8021B |                                       |
| Toluene                           | ND                                    | 0.0250             | "         |          | "       |          | "        | n         |                                       |
| Ethylbenzene                      | ND                                    | 0.0250             | "         | n        | n       | n        | "        |           |                                       |
| Xylene (p/m)                      | ND                                    | 0.0250             | "         | ņ        | n       |          | 0        | n         |                                       |
| Xylene (o)                        | ND                                    | 0.0250             | n         |          | *       |          | "        | н         |                                       |
| Surrogate: a,a,a-Trifluorotoluene | · ··· · · · · · · · · · · · · · · · · | 86.5 %             | 80-1      | 20       | "       | и        | "        | "         |                                       |
| Surrogate: 4-Bromofluorobenzene   |                                       | 83.2 %             | 80-1      | 20       | "       | "        | "        | "         |                                       |
| Carbon Ranges C6-C10              | ND                                    | 10.0               | mg/kg dry | 1        | EI61506 | 09/15/06 | 09/16/06 | EPA 8015B |                                       |
| Carbon Ranges >C10-C28            | J [6.52]                              | 10.0               | "         | "        |         | #        | "        |           |                                       |
| Total Carbon Range C6-C28         | ND                                    | 10.0               | W         | "        | "       | "        | "        |           |                                       |
| Surrogate: 1-Chlorooctane         | ,                                     | 98.8 %             | 70-1      | 30       | "       | "        | "        | "         |                                       |
| Surrogate: 1-Chlorooctadecane     |                                       | 92.6 %             | 70-1      | 30       | "       | "        | "        | "         |                                       |
| Hunt003 11" (6115003-03) Soil     |                                       |                    |           |          |         |          |          |           |                                       |
| Benzene                           | ND                                    | 0.0250             | mg/kg dry | 25       | EI61509 | 09/15/06 | 09/15/06 | EPA 8021B |                                       |
| Toluene                           | ND                                    | 0.0250             | "         | "        | "       | н        | n        | n         |                                       |
| Ethylbenzene                      | 0.0401                                | 0.0250             |           | "        |         | "        | "        | "         |                                       |
| Xylene (p/m)                      | 0.0477                                | 0.0250             | "         | "        | n       |          | "        | "         |                                       |
| Xylene (o)                        | J [0.0189]                            | 0.0250             | n         | "        |         | "        | "        | "         |                                       |
| Surrogate: a,a,a-Trifluorotoluene |                                       | 85.0 %             | 80-1      | 20       | "       | "        | "        | "         |                                       |
| Surrogate: 4-Bromofluorobenzene   |                                       | 82.2 %             | 80-1      | 20       | "       | "        | "        | "         |                                       |
| Carbon Ranges C6-C10              | J [8.59]                              | 10.0               | mg/kg dry | 1        | EI61506 | 09/15/06 | 09/16/06 | EPA 8015B |                                       |
| Carbon Ranges >C10-C28            | 1170                                  | 10.0               | #         | "        | "       | "        |          | n         |                                       |
| Total Carbon Range C6-C28         | 1170                                  | 10.0               | н         |          | n       | "        | "        | n         |                                       |

Environmental Lab of Texas

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| Yates Petroleum Corp. |  |
|-----------------------|--|
| 105 S. Fourth St.     |  |

Artesia NM, 88210

#### Project: Hunt APO State 1 Project Number: L-4-T2TS-R34E Project Manager: Sherry Bonham

Fax: (505) 748-4662

#### Organics by GC

#### **Environmental Lab of Texas**

| Analyte                           | Result                                | Reporting<br>Limit | Units        | Dilution  | Batch   | Prepared | Analyzed    | Method    | Notes |
|-----------------------------------|---------------------------------------|--------------------|--------------|-----------|---------|----------|-------------|-----------|-------|
| Hunt003 11'' (6115003-03) Soil    | · · · · · · · · · · · · · · · · · · · |                    | <u> </u>     | Diffution |         |          | 7 mai j 200 |           |       |
| Surrogate: 1-Chlorooctane         |                                       | 102 %              | 70-1         | 30        | EI61506 | 09/15/06 | 09/16/06    | EPA 8015B | ·     |
| Surrogate: 1-Chlorooctadecane     |                                       | 120 %              | 70-130       |           | "       | 57       | "           | "         |       |
| HuntBG004 8'' (6115003-04) Soil   |                                       |                    |              |           |         |          |             |           |       |
| Benzene                           | ND                                    | 0.0250             | mg/kg dry    | 25        | EI61509 | 09/15/06 | 09/15/06    | EPA 8021B |       |
| Toluene                           | ND                                    | 0.0250             |              | n         | n       | "        | n           | *         |       |
| Ethylbenzene                      | ND                                    | 0.0250             | n            | "         | "       | "        | "           | n         |       |
| Xylene (p/m)                      | ND                                    | 0.0250             | *            |           | *       | "        | "           | n         |       |
| Xylene (o)                        | ND                                    | 0.0250             | "            |           | "       | "        | "           | n         |       |
| Surrogate: a,a,a-Trifluorotoluene |                                       | 83.2 %             | 80-1         | 20        | "       | "        | "           | "         |       |
| Surrogate: 4-Bromofluorobenzene   |                                       | 82.2 %             | 80-1         | 20        | "       | "        | "           | "         |       |
| Carbon Ranges C6-C10              | ND                                    | 10.0               | mg/kg dry    | 1         | EI61506 | 09/15/06 | 09/16/06    | EPA 8015B |       |
| Carbon Ranges >C10-C28            | ND                                    | 10.0               | "            | *         | #       | *        | "           | "         |       |
| Total Carbon Range C6-C28         | ND                                    | 10.0               | "            | n         | n       | "        | u           | n         |       |
| Surrogate: 1-Chlorooctane         |                                       | 100 %              | 70-1         | 30        | "       | "        | "           | "         |       |
| Surrogate: 1-Chlorooctadecane     |                                       | 100 %              | 7 <b>0-1</b> | 30        | "       | "        | "           | 11        |       |

Environmental Lab of Texas

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#### Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham

#### General Chemistry Parameters by EPA / Standard Methods

#### **Environmental Lab of Texas**

|  | · · ·  |                    |       |          |         |          |               |               |       |
|--|--------|--------------------|-------|----------|---------|----------|---------------|---------------|-------|
| Analyte  | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed      | Method        | Notes |
| Hunt001 10'' (6115003-01) Soil                 |        |                    |       |          |         |          | 1 1 1 2 3 4 4 |               |       |
| % Moisture                                     | 12.0   | 0.1                | %     | 1        | EI61808 | 09/15/06 | 09/18/06      | % calculation |       |
| Hunt <b>002</b> 10" (6 <b>I15003-02</b> ) Soil |        |                    |       |          |         |          |               |               |       |
| % Moisture                                     | 12.2   | 0.1                | %     | 1        | EI61808 | 09/15/06 | 09/18/06      | % calculation |       |
| Hunt003 11" (6I15003-03) Soil                  |        |                    |       |          |         |          |               |               |       |
| % Moisture                                     | 14.2   | 0.1                | %     | 1        | EI61808 | 09/15/06 | 09/18/06      | % calculation |       |
| HuntBG004 8'' (6115003-04) Soil                |        |                    |       |          |         |          |               |               |       |
| % Moisture                                     | 9.3    | 0.1                | %     | 1        | EI61808 | 09/15/06 | 09/18/06      | % calculation |       |

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| Yates Petroleum Corp.<br>105 S. Fourth St.<br>Artesia NM, 88210 |        | Project N          | umber: L-4 | nt APO State<br>-121S-R34<br>rry Bonham | ÷                |             |                |      | Fax: (505)   | 748-4662 |
|---|--------|--------------------|------------|---|------------------|-------------|----------------|------|--------------|----------|
|   | 0      | rganics by         |            | •                                       |                  |             |                |      |              |          |
| <b>r</b>  |        | Environ            | nentai L   | ab of te                                | xas              |             |                |      |              |          |
| Analyte   | Result | Reporting<br>Limit | Units      | Spike<br>Level                          | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Notes    |
| Batch EI61506 - Solvent Extraction (GC)                         |        |                    |            |   |                  |             |                |      |              |          |
| Blank (EI61506-BLK1)  |        |                    |            | Prepared: (                             | 09/15/06 A       | nalyzed: 09 | 9/16/06        |      |              |          |
| Carbon Ranges C6-C10  | ND     | 10.0               | mg/kg wet  |   |                  |             |                |      |              |          |
| Carbon Ranges >C10-C28  | ND     | 10.0               | 11         |   |                  |             |                |      |              |          |
| Total Carbon Range C6-C28                                       | ND     | 10.0               |            |   |                  |             |                |      |              |          |
| Surrogate: 1-Chlorooctane                                       | 51,1   |                    | mg/kg      | 50,0                                    |                  | 102         | 70-130         |      |              |          |
| Surrogate: 1-Chlorooctadecane                                   | 49.2   |                    | "          | 50.0                                    |                  | 98.4        | 70-130         |      |              |          |
| LCS (EI61506-BS1)   |        |                    |            | Prepared: (                             | 09/15/06 A       | nalyzed: 09 | 9/16/06        |      |              |          |
| Carbon Ranges C6-C10  | 570    | 10.0               | mg/kg wet  | 500                                     | ·····            | 114         | 75-125         |      |              |          |
| Carbon Ranges >C10-C28  | 428    | 10.0               | u          | 500                                     |                  | 85.6        | 75-125         |      |              |          |
| Total Carbon Range C6-C28                                       | 998    | 10.0               | "          | 1000                                    |                  | 99.8        | 75-125         |      |              |          |
| Surrogate: 1-Chlorooctane                                       | 58.2   |                    | mg/kg      | 50.0                                    |                  | 116         | 70-130         |      |              |          |
| Surrogate: 1-Chlorooctadecane                                   | 48.4   |                    | "          | 50.0                                    |                  | 96.8        | 7 <b>0-130</b> |      |              |          |
| Calibration Check (EI61506-CCV1)                                |        |                    |            | Prepared: (                             | )9/15/06 A       | nalvzed: 09 | 0/16/06        |      |              |          |
| Carbon Ranges C6-C10  | 216    |                    | mg/kg      | 250                                     |                  | 86.4        | 80-120         |      |              |          |
| Carbon Ranges >C10-C28  | 295    |                    | "          | 250                                     |                  | 118         | 80-120         |      |              |          |
| Total Carbon Range C6-C28                                       | 511    |                    | "          | 500                                     |                  | 102         | 80-120         |      |              |          |
| Surrogate: 1-Chlorooctane                                       | 59.3   |                    | "          | 50.0                                    |                  | 119         | 70-130         |      |              |          |
| Surrogate: 1-Chlorooctadecane                                   | 55.1   |                    | "          | 50.0                                    |                  | 110         | 70-130         |      |              |          |
| Matrix Spike (EI61506-MS1)                                      | Sou    | rce: 6115001-      | 01         | Prepared: (                             | 09/15/06 A       | nalyzed: 09 | 0/16/06        |      |              |          |
| Carbon Ranges C6-C10  | 589    | 10.0               | mg/kg dry  | 528                                     | ND               | 112         | 75-125         |      |              |          |
| Carbon Ranges >C10-C28  | 427    | 10.0               | "          | 528                                     | ND               | 80.9        | 75-125         |      |              |          |
| Total Carbon Range C6-C28                                       | 1020   | 10.0               |            | 1060                                    | ND               | 96.2        | 75-125         |      |              |          |
| Surrogale: 1-Chlorooclane                                       | 61.2   |                    | mg/kg      | 50.0                                    | <u>.</u> ,       | 122         | 70-130         |      |              |          |
| Surrogate: 1-Chlorooctadecané                                   | 52.7   |                    | "          | 50.0                                    |                  | 105         | 70-130         |      |              |          |
| Matrix Spike Dup (EI61506-MSD1)                                 | Sou    | rce: 6I15001-      | 01         | Prepared: (                             | 09/15/06 A       | nalyzed: 09 | /16/06         |      |              |          |
| Carbon Ranges C6-C10  | 609    | 10.0               | mg/kg dry  | 528                                     | ND               | 115         | 75-125         | 3.34 | 20           |          |
| Carbon Ranges >C10-C28  | 452    | 10.0               | "          | 528                                     | ND               | 85.6        | 75-125         | 5.69 | 20           |          |
| Total Carbon Range C6-C28                                       | 1060   | 10.0               | n          | 1060                                    | ND               | 100         | 75-125         | 3.85 | 20           |          |
| Surrogate: 1-Chlorooctane                                       | 61.8   | ······             | mg/kg      | 50.0                                    |                  | 124         | 70-130         |      |              |          |
| Surrogate: 1-Chlorooctadecane                                   | 54.0   |                    | "          | 50.0                                    |                  | 108         | 70-130         |      |              |          |

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The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

#### Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham

#### **Organics by GC - Quality Control**

#### Environmental Lab of Texas

|                                   |        | Reporting     |           | Spike       | Source                                |             | %REC   | _   | RPD   |           |
|-----------------------------------|--------|---------------|-----------|-------------|---------------------------------------|-------------|--------|-----|-------|-----------|
| Analyte                           | Result | Limit         | Units     | Level       | Result                                | %REC        | Limits | RPD | Limit | Notes     |
| Batch EI61509 - EPA 5030C (GC)    |        |               |           |             |                                       |             |        |     |       |           |
| Blank (EI61509-BLK1)              |        |               |           | Prepared &  | Analyzed:                             | 09/15/06    |        |     |       |           |
| Benzene                           | ND     | 0.0250        | mg/kg wet |             |                                       |             |        |     |       |           |
| Toluene                           | ND     | 0.0250        | P         |             |                                       |             |        |     |       |           |
| Ethylbenzene                      | ND     | 0.0250        | "         |             |                                       |             |        |     |       |           |
| Xylene (p/m)                      | ND     | 0.0250        | "         |             |                                       |             |        |     |       |           |
| Xylene (0)                        | ND     | 0.0250        |           |             |                                       |             |        |     |       |           |
| Surrogate: a,a,a-Trifluorotoluene | 36.8   |               | ug/kg     | 40.0        | · · · · · · · · · · · · · · · · · · · | 92.0        | 80-120 |     |       |           |
| Surrogate: 4-Bromofluorobenzene   | 32.7   |               | "         | 40.0        |                                       | 81.8        | 80-120 |     |       |           |
| LCS (EI61509-BS1)                 |        |               |           | Prepared &  | Analyzed:                             | 09/15/06    |        |     |       |           |
| Benzene                           | 1.36   | 0.0250        | mg/kg wet | 1.25        |                                       | 109         | 80-120 |     |       |           |
| Toluene                           | 1.15   | 0.0250        |           | 1.25        |                                       | 92.0        | 80-120 |     |       |           |
| Ethylbenzene                      | 1.21   | 0.0250        | "         | 1.25        |                                       | 96.8        | 80-120 |     |       |           |
| Xylene (p/m)                      | 2.48   | 0.0250        | "         | 2.50        |                                       | 99.2        | 80-120 |     |       |           |
| Xylene (o)                        | 1.20   | 0.0250        | "         | 1.25        |                                       | 96.0        | 80-120 |     |       |           |
| Surrogate: a,a,a-Trifluorotoluene | 34.8   |               | ug/kg     | 40.0        |                                       | 87.0        | 80-120 |     |       |           |
| Surrogate: 4-Bromofluorobenzene   | 37.0   |               | "         | 40.0        |                                       | 92.5        | 80-120 |     |       |           |
| Calibration Check (EI61509-CCV1)  |        |               |           | Prepared: 0 | 9/15/06 A                             | nalyzed: 09 | /18/06 |     |       |           |
| Benzene                           | 52.3   |               | ug/kg     | 50.0        |                                       | 105         | 80-120 |     | _     |           |
| Toluene                           | 46.8   |               | *         | 50.0        |                                       | 93.6        | 80-120 |     |       |           |
| Ethylbenzene                      | 45.0   |               | "         | 50.0        |                                       | 90.0        | 80-120 |     |       |           |
| Xylene (p/m)                      | 93.1   |               | "         | 100         |                                       | 93.1        | 80-120 |     |       |           |
| Xylene (o)                        | 45.8   |               | *         | 50.0        |                                       | 91.6        | 80-120 |     |       |           |
| Surrogate: a,a,a-Trifluorotoluene | 41.5   |               | "         | 40.0        |                                       | 104         | 80-120 |     |       |           |
| Surrogate: 4-Bromofluorobenzene   | 33.8   |               | "         | 40.0        |                                       | 84.5        | 80-120 |     |       |           |
| Matrix Spike (EI61509-MS1)        | Sou    | rce: 6115001- | -01       | Prepared: 0 | 9/15/06 A                             | nalyzed: 09 | /18/06 |     |       |           |
| Benzene                           | 1.43   | 0.0250        | mg/kg dry | 1.32        | ND                                    | 108         | 80-120 |     |       | · · · · · |
| Toluene                           | 1.22   | 0.0250        | "         | 1.32        | ND                                    | 92.4        | 80-120 |     |       |           |
| Ethylbenzene                      | 1.26   | 0.0250        |           | 1.32        | ND                                    | 95.5        | 80-120 |     |       |           |
| Xylene (p/m)                      | 2.58   | 0.0250        | "         | 2.64        | ND                                    | 97.7        | 80-120 |     |       |           |
| Xylene (o)                        | 1.22   | 0.0250        |           | 1.32        | ND                                    | 92.4        | 80-120 |     |       |           |
| Surrogale: a,a,a-Trifluorololuene | 38.7   |               | ug/kg     | 40.0        |                                       | 96.8        | 80-120 |     |       | -         |
| Surrogate: 4-Bromofluorobenzene   | 36.4   |               | "         | 40.0        |                                       | 91.0        | 80-120 |     |       |           |

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Project: Hunt APO State 1 Project Number: L-4-121S-R34E Project Manager: Sherry Bonham

#### **Organics by GC - Quality Control**

#### Environmental Lab of Texas

|         |        | Reporting | -     | Spike | Source |      | %REC   |     | RPD   |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch EI61509 - EPA 5030C (GC)

| Matrix Spike Dup (EI61509-MSD1)   | Sour | ce: 6I15001 | -01       | Prepared: ( | 9/15/06 | Analyzed: 0 | 9/18/06 |       |    |   |
|-----------------------------------|------|-------------|-----------|-------------|---------|-------------|---------|-------|----|---|
| Benzene                           | 1.46 | 0.0250      | mg/kg dry | 1.32        | ND      | 111         | 80-120  | 2.74  | 20 |   |
| Toluene                           | 1.24 | 0.0250      | "         | 1.32        | ND      | 93.9        | 80-120  | 1.61  | 20 |   |
| Ethylbenzene                      | 1.27 | 0.0250      |           | 1.32        | ND      | 96.2        | 80-120  | 0.730 | 20 |   |
| Xylene (p/m)                      | 2.64 | 0.0250      | "         | 2.64        | ND      | 100         | 80-120  | 2.33  | 20 |   |
| Xylene (o)                        | 1.25 | 0.0250      | 8         | 1.32        | ND      | 94.7        | 80-120  | 2.46  | 20 |   |
| Surrogate: a,a,a-Trifluorotoluene | 39.8 |             | ug/kg     | 40.0        |         | 99.5        | 80-120  |       |    | • |
| Surrogate: 4-Bromofluorobenzene   | 38.3 |             | "         | 40.0        |         | 95.8        | 80-120  |       |    |   |
|                                   |      |             |           |             |         |             |         |       |    |   |

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#### Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### **Environmental Lab of Texas**

| Analyte                                    | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch EI61808 - General Preparation (Prep) |        |                    |       |                |                  |          |                |       |              |       |
| Blank (EI61808-BLK1)                       |        |                    |       | Prepared &     | Analyzed:        | 09/18/06 |                |       |              |       |
| % Solids                                   | 99.8   |                    | %     |                |                  |          |                |       |              |       |
| Duplicate (EI61808-DUP1)                   | Sou    | ce: 6I15001-0      | 1     | Prepared &     | Analyzed:        | 09/18/06 |                |       |              |       |
| % Solids                                   | 94.4   |                    | %     |                | 94.7             |          |                | 0.317 | 20           |       |

Environmental Lab of Texas

| Yates Petr<br>105 S. Fou<br>Artesia NI |   | -                     | Hunt APO State 1<br>L-4-T21S-R34E<br>Sherry Bonham | Fax: (505) 748-4662 |
|--|---|-----------------------|--|---------------------|
|  |   | Notes and De          | finitions  |                     |
| J                                      | Detected but below the Reporting Limit; therefore, re | esult is an estimated | d concentration (CLP J-Flag).                      |                     |
| DET                                    | Analyte DETECTED                                      |                       |  |                     |
| ND                                     | Analyte NOT DETECTED at or above the reporting limit  |                       |  |                     |
| NR                                     | Not Reported  |                       |  |                     |
| dry                                    | Sample results reported on a dry weight basis         |                       |  |                     |
| RPD                                    | Relative Percent Difference                           |                       |  |                     |
| LCS                                    | Laboratory Control Spike                              |                       |  |                     |
| MS                                     | Matrix Spike  |                       |  |                     |
| Dup                                    | Duplicate   |                       |  |                     |

Report Approved By:

Raland K Julis

9/21/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

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Page 9 of 9

| Project Manager: <u>Sherry Bont:am</u><br>Company Name <u>Yetes Petroleum</u><br>Company Address: <u>105 S 4th Street</u><br>City/State/Zip: <u>Artesia, NM 882</u> | Sherry Bont-am<br>Yetes Petroleum Corporation<br>105 S 4th Street<br>Artesia, MM 88210 | e               |                              |                           |   | ÷0                     | dess   | West!               | 12600 West I-20 East<br>Odessa, Texas 79765 | est est                           |  | ۵.                              | Project Name: Hunt APO State 1<br>Project Name: Hunt APO State 1<br>Project #: L-4-T21S-R34E<br>Project Loc: Lea County<br>Project Loc: 1032420 | Name<br>Jject#<br>PO#                                  | Phone: 43<br>Fax: 43<br>oject Name: <u>Hunt APO State</u><br>Project #: <u>L-4-T21S-R34E</u><br>Project Loc: <u>Lea County</u><br>PD #: <u>1032420</u> | Pho<br>H APo<br>T 21S                      | one: 4<br>Fax: 4<br>2 Star<br>2 Star | Phone: 432-563-1713<br>Fax: 432-563-1713<br>APO State 1<br>21S-R34E<br>21S-R34E<br>200<br>200 | 3-171                   |             | Phone: 432-563-1800   Fax: 432-563-1713   Project Name: Hunt APO State 1   Project Loc: ± 1-4-T21S-R34E   Project Loc: Lea County   PO #: 1032420 |
|---|--|-----------------|------------------------------|---------------------------|---|------------------------|--|---------------------|---|-----------------------------------|--|---------------------------------|---|--|--|--|--------------------------------------|---|-------------------------|-------------|---|
| Telephone No: 505-74<br>Sampler Signature: 505-74   | 505-748-4162 OR 505-513-1529   | 1529            |                              |                           | Fax No: <u>505-748-4585</u><br>e-mail: <u>sherryb@ypcrnm.com</u>    | 505-74<br>Sheiryb      | @ypc   | 10 III              | F   |                                   |  | Rapo                            | Report Format   | 11   |  | C Standard                                 | IZ.                                  | TRRP E For:   | a,    -                 | NPDES       | 80 -  |
| ORDER # (11000  | 9  |                 |                              |                           |   | 5/6                    | Prese  | Preservation & # of |   | Containers                        | H  | Matrix                          | 8   |  | TOTAL  | 29   |                                      | ΤΙο   |                         |             |   |
| ⊐;£[D   | -FELD CODE   | dtag0 prinnig98 | hiqsO gnibn3<br>heinne2 alsO | <b>റ്റാ</b> പ്പെട്ടെ കുടവ | Time Sampled  | No. of Containers 4:02 | 4MO <sup>2</sup>   | 2053ti<br>10H       | HOEN  | RO <sub>2</sub> 2 <sub>2</sub> 8N | DAA=DUWIND ANSIEL 26 = 2 Indee<br>Office. ( Specify) | 0ila2\ila2=8 1900wbrucqi2 = 140 | 1900 Aleson adera-non=40  | Cations (Ca, Mg, Na, K)<br>Anions (Ci, SO4, CO3, HCO3) | SARY ESP / CEC   | Wetats: As Ag Ba Cd Cr Pb Hg S<br>Volaties | sellislovimos                        | BTEX HOZIBE030 of BTEX 826  | CHIOHdes<br>N. O. R. M. | łid         |   |
| илн   | Hunt001  |                 |                              | 9/14/2006                 | 11:20 AM  | 1 X                    |  |                     |   |                                   | _  | S                               | ×   |  |  |  |                                      | ×   |                         |             | _   |
| nHu   | Hunt002  | +               | 10" 9/14/                    | 9/14/2006                 | 11:45 AM  | 1 X                    |  |                     |   |                                   |  | S                               | ×   |  |  |  |                                      | ×   | ×                       |             |   |
| Чил   | Hunt003  | -               | 11" 9/14/                    | 9:14/2006                 | 12:00 PM  | ×                      |  |                     |   |                                   |  | S                               | ×   |  | _  |  |                                      | ×   | ×                       |             |   |
| Hunt  | HuntBG004  |                 | 8" 9,14/                     | 9,14/2006                 | 12:30 PM  | ×<br>+                 | Ĵ  | -                   |   |                                   |  | s                               | ×   |  | 1  |  |                                      | ×   | ×                       |             |   |
|   |  |                 | -                            |                           |   | +-                     |  |                     | 1-  | -                                 | +  |                                 | 1   |  |  | -  |                                      |   |                         | 1           | +   |
|   |  |                 |                              |                           |   | +                      |  | $\left  - \right $  |   |                                   | +  |                                 |   | +  |  | ╉╴╢  |                                      |   |                         |             | ╀╼┫   |
|   |  |                 |                              |                           |   |                        |  |                     |   |                                   |  |                                 |   |  |  |  |                                      | -   |                         |             |   |
|   |  |                 |                              |                           |   | -+                     |  | -                   |   | 1                                 |  |                                 | -   |  |  | +  | -                                    |   |                         |             |   |
| Special Instructions: F   | Please analyze TPH 8015B (GRC/   | 15B (GF         | (C/DRO)-                     |                           | DROJ-Not TPH 6015M. Please put chloride results on different report | d ase                  | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | oride               | result                                      | on d                              | Ifferer  | nt rep.                         |   | <u></u>  | Laboratory Comments:<br>Sample Containers Intact?<br>VOCs Free of Headsoner?   | Conta                                      | omme<br>Iners I                      | nts:<br>ntact?  |                         | <u></u>     | 1 00  |
|   | Date<br>09/14/06   | Time<br>3:30 PM | Received by                  | in by                     |   |                        |  |                     |   |                                   | Date   |                                 | Time  | T  | Custody seals on contai<br>Custody seals on cooler<br>Secrite Head Delivered   | r seals<br>'seals<br>Menh                  | on co<br>On co<br>On co              | Custody seals on container(s)<br>Custody seals on coder(s)<br>Semnle Yeart Delivered          | (s)                     | 00          | m.  |
|   | Date   | Time            | Received by                  | sd by                     |   |                        |  |                     |   |                                   | Date   | †                               | Time  | 1  | 50<br>66   | ample                                      | by Courier? UPS                      | <u>а</u> .  | Б                       | - X         | <u>ु</u> 3  |
| the A   |  |                 |                              | Recaived by FLOT          |   |                        | 10   |                     |   | +                                 | Date   |                                 | Time of the   |  | ampen  | ahure l                                    | Joon F                               | -Terriperature Upon Receipt:  |                         | ل<br>ب<br>ح | Ň   |

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

|            | i i          |
|------------|--------------|
| lent:      | Nates Pet.   |
| ate/ Time: | 9/15/06 9:45 |
| 10 ID # :  | (e7-150      |
| tials:     | ck           |

#### Sample Receipt Checklist

|     |  |       | •  | Client Initiat           |
|-----|--|-------|----|--------------------------|
|     | Temperature of container/ cooler?                      | Yes   | No | ford A.S.C               |
| ?   | Shipping container in good condition?                  | Xes   | No |                          |
| 3   | Custody Seals intact on shipping container/ cooler?    | (Pes  | No | Not Present              |
| F_  | Custody Seals intact on sample bottles/ container?     | (Fes) | No | Not Present              |
| ;   | Chain of Custody present?                              | Yes,  | No |                          |
| 3   | Sample instructions complete of Chain of Custody?      | Yes   | No |                          |
| 7   | Chain of Custody signed when relinquished/ received?   | Yes   | No |                          |
| 3   | Chain of Custody agrees with sample label(s)?          | Yes   | No | ID written on Cont./ Lid |
| 3   | Container label(s) legible and intact?                 | Yes   | No | Not Applicable           |
| 10  | Sample matrix/ properties agree with Chain of Custody? | 8 tes | No |                          |
| 11  | Containers supplied by ELOT?                           | Yes   | No |                          |
| 12  | Samples in proper container/ bottle?                   | Xes   | No | See Below                |
| 13  | Samples properly preserved?                            | 766   | No | See Below                |
| 14  | Sample bottles intact?                                 | 765   | No |                          |
| 115 | Preservations documented on Chain of Custody?          | Jes   | No | 1                        |
| 16  | Containers documented on Chain of Custody?             | Tes   | No |                          |
| 17  | Sufficient sample amount for indicated test(s)?        | Yes   | No | See Below                |
| 18  | All samples received within sufficient hold time?      | 1     | No | See Below                |
| 19  | VOC samples have zero headspace?                       | Yes   | No | Not Applicable           |
| [   |  | ┉┈┼┈┝ |    |                          |

# Variance Documentation

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| ontact:      |              | Contacted by:                          | <b></b> | Date/ Time:                            |
|--------------|--------------|--|---------|--|
| egarding:    |              | ······································ |         |  |
|              |              | ····                                   |         |  |
| orrective Ad | ction Taken: |  |         |  |
|              |              |  |         | ······································ |
|              |              |  |         |  |

heck 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



# Analytical Report

**Prepared for:** 

Sherry Bonham Yates Petroleum Corp. 105 S. Fourth St. Artesia, NM 88210

Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Location: Lea County, NM

Lab Order Number: 6I15003

Report Date: 09/21/06

Yates Petroleum Corp. 105 S. Fourth St. Artesia NM, 88210

•

Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham Fax: (505) 748-4662

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID    | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|--------------|---------------|--------|----------------|------------------|
| IIunt001 10" | 6115003-01    | Soil   | 09/14/06 11:20 | 09-15-2006 09:45 |
| Hunt002 10"  | 6115003-02    | Soil   | 09/14/06 11:45 | 09-15-2006 09:45 |
| IIunt003 11" | 6I15003-03    | Soil   | 09/14/06 12:00 | 09-15-2006 09:45 |
| HuntBG004 8" | 6I15003-04    | Soil   | 09/14/06 12:30 | 09-15-2006 09:45 |

#### Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham

#### General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

| Analyte                         | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method      | Notes |
|---------------------------------|--------|--------------------|-----------|----------|---------|----------|----------|-------------|-------|
| Hunt001 10" (6I15003-01) Soil   |        |                    |           |          |         |          |          |             |       |
| Chloride                        | 766    | 20.0               | mg/kg Wet | 2        | EI61817 | 09/18/06 | 09/18/06 | SW 846 9253 |       |
| Hunt002 10'' (6I15003-02) Soil  |        |                    |           |          |         |          |          |             |       |
| Chloride                        | 277    | 20.0               | mg/kg Wet | 2        | EI61817 | 09/18/06 | 09/18/06 | SW 846 9253 |       |
| IIunt003 11" (6I15003-03) Soil  |        |                    |           |          |         |          |          |             |       |
| Chloride                        | 596    | 20.0               | mg/kg Wet | 2        | EI61817 | 09/18/06 | 09/18/06 | SW 846 9253 |       |
| HuntBG004 8'' (6115003-04) Soil |        |                    |           |          |         |          |          |             |       |
| Chloride                        | ND     | 20.0               | mg/kg Wct | 2        | EI61817 | 09/18/06 | 09/18/06 | SW 846 9253 |       |

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Page 2 of 4

Yates Petroleum Corp. 105 S. Fourth St. Artesia NM, 88210 Project: Hunt APO State 1 Project Number: L-4-T21S-R34E Project Manager: Sherry Bonham

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### **Environmental Lab of Texas**

|                                  |        | Reporting    |           | Spike      | Source    |               | %REC   |      | RPD   |       |
|----------------------------------|--------|--------------|-----------|------------|-----------|---------------|--------|------|-------|-------|
| Analyte                          | Result | Limit        | Units     | Level      | Result    | %REC          | Limits | RPD  | Limit | Notes |
| Batch EI61817 - Water Extraction |        |              |           |            |           |               |        |      |       |       |
| Blank (EI61817-BLK1)             |        |              |           | Prepared & | Analyzed: | 09/18/06      |        |      |       |       |
| Chloride                         | ND     | 5.00         | mg/kg Wet |            |           |               |        |      |       |       |
| LCS (EI61817-BS1)                |        |              |           | Prepared & | Analyzed: | 09/18/06      |        |      |       |       |
| Chloride                         | 90.4   |              | mg/kg     | 100        |           | 90.4          | 80-120 |      |       |       |
| Matrix Spike (EI61817-MS1)       | Sour   | ce: 6I15001- | -01       | Prepared & | Analyzed: | 09/18/06      |        |      |       |       |
| Chloride                         | 510    | 10.0         | mg/kg Wet | 500        | 10.6      | 99.9          | 80-120 |      |       |       |
| Matrix Spike Dup (EI61817-MSD1)  | Sour   | ce: 6I15001- | -01       | Prepared & | Analyzed: | 09/18/06      |        |      |       |       |
| Chloride                         | 500    | 10.0         | mg/kg Wet | 500        | 10.6      | 9 <b>7</b> .9 | 80-120 | 1.98 | 20    |       |
| Reference (EI61817-SRM1)         |        |              |           | Prepared & | Analyzed: | 09/18/06      |        |      |       |       |
| Chloride                         | 50.0   | 5.00         | mg/kg Wet | 50.0       |           | 100           | 80-120 | _    |       |       |

Environmental Lab of Texas

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| 105 S. Fo | troleum Corp.<br>purth St.<br>IM, 88210              |              | Hunt APO State 1<br>L-4-T21S-R34E<br>Sherry Bonham | Fax: (505) 748-4662 |
|-----------|--|--------------|--|---------------------|
|           |  | Notes and De | finitions  |                     |
| DET       | Analyte DETECTED                                     |              |  |                     |
| ND        | Analyte NOT DETECTED at or above the reporting limit |              |  |                     |
| NR        | Not Reported   |              |  |                     |
| dry       | Sample results reported on a dry weight basis        |              |  |                     |
| RPD       | Relative Percent Difference                          |              |  |                     |
| LCS       | Laboratory Control Spike                             |              |  |                     |
| MS        | Matrix Spike   |              |  |                     |

Dup Duplicate

Report Approved By:

Raland K that

Date:

9/21/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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| I CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST<br>12600 West I-20 East<br>Phone: 432-563-1800<br>Deesa, Texas 79755<br>Fax: 432-563-1713 | Project Name: Hunt APO State 1 | rporation Project #: L-4-T21S-R34E       | Project Loc: Lea County           | PO #: 1032420                     | 05-513-1529 Fax No: 505-748-4585 Report Format: J Standard TRRP | e-mail: sherryb@ypcnm.com       | TCLP           | Preservation & # of Containers Matrix & | RCI<br>Beginning Depth<br>Ending Depth<br>Ending Depth<br>Date Sampled<br>Semivolation<br>Metals: As Ag Ba Cd Cr Pb Hg S<br>May Sy0,<br>May Sy0,<br>May Containers Seady Offict<br>Hylo,<br>Other (Specify)<br>Hylo,<br>May Sy0,<br>May Sy |             | 10" 9/14/2006 11:45 AM 1 X S X X X | 11" 9/14/2006 12:00 PM 1 X X X X | 8" 9/14/2006 12:30 PM 1 X 8 X X X X |  |  | Please analyze TPH 8015B (GRO/DRO)-Not TPH 8015M. Please put chloride results on different report. Laboratory Comments: | Date Time Received by. Date Time Received by. | 8 3:30 PM      | Date Time Received hv |
|--|--------------------------------|--|-----------------------------------|-----------------------------------|---|---------------------------------|----------------|---|--|-------------|------------------------------------|----------------------------------|-------------------------------------|--|--|---|---|----------------|-----------------------|
|  | Project Manager. Sherry Bonham | Company Name Yates Petroleum Corporation | Company Address: 105 S 4th Street | City/State/Zip: Arresia, NM 88210 | Telephone No: 505-748-4162 OR 505-513-1529                      | Sampler Signature: C. S. Server | (lab use only) | ORDER #: UTADUD                         | Ano əsi (4) (بقه بنود وماله)<br>۳۳<br>۵۵   | QAN Huntoo1 | 00 Huntoo2                         | Huntoos                          | DAM HuntBG004                       |  |  | Special Instructions; Please ana  | Reinquished by:                               | Sherry Bonharm | Relinquished by:      |

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

| l          |              |
|------------|--------------|
| lient:     | Vates Yet.   |
| ate/ Time: | 9/15/06 9:45 |
| ab ID # :  | 10F150       |
| itials:    | CK           |

#### Sample Receipt Checklist

|    |  |            |    | Client Ini               | itlals |
|----|--|------------|----|--------------------------|--------|
| 1  | Temperature of container/ cooler?                      | Yes        | No | 600 A, 5° C              |        |
| 2  | Shipping container in good condition?                  | Xes        | No |                          |        |
| 3  | Custody Seals intact on shipping container/ cooler?    | Pes        | No | Not Present              |        |
| 4  | Custody Seals intact on sample bottles/ container?     | <b>F63</b> | No | Not Present              | _      |
| 5  | Chain of Custody present?                              | Yes,       | No |                          |        |
| 3  | Sample instructions complete of Chain of Custody?      | Yes        | No |                          |        |
| 7  | Chain of Custody signed when relinquished/ received?   | Yes        | No |                          |        |
| 8  | Chain of Custody agrees with sample label(s)?          | Yes        | No | ID written on Cont./ Lid |        |
| Э  | Container label(s) legible and intact?                 | Yes        | No | Not Applicable           |        |
| 10 | Sample matrix/ properties agree with Chain of Custody? | Yes        | No |                          |        |
| 11 | Containers supplied by ELOT?                           | Yes        | No |                          | -      |
| 12 | Samples in proper container/ bottle?                   | Yes        | No | See Balow                |        |
| 13 | Samples properly preserved?                            | (Fes)      | No | See Below                |        |
| 14 | Sample bottles intact?                                 | Tes        | No |                          |        |
| 15 | Preservations documented on Chain of Custody?          | Ves.       | No |                          |        |
| 16 | Containers documented on Chain of Custody?             | Ces        | No |                          |        |
| 17 | Sufficient sample amount for indicated test(s)?        | Yes        | No | See Below                |        |
| 18 | All samples received within sufficient hold time?      | 1 Es       | No | See Below                |        |
| 19 | VOC samples have zero headspace?                       | Yes        | No | Not Applicable           |        |

#### Variance Documentation

\_\_\_\_\_

| ontact: |  |
|---------|--|
|---------|--|

Date/ Time:

egarding:

orrective Action Taken:

neck all that Apply:

See attached e-mail/ fax

Contacted by:

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event



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# Analytical Report

#### **Prepared for:**

Eb Taylor Talon LPE- Hobbs 318 East Taylor Street Hobbs, NM 88240

Project: Hunt APO #1 Project Number: YATESP030SPL Location: Lea County, NM

Lab Order Number: 6J30008

Report Date: 11/03/06

Talon LPE- Hobbs 318 East Taylor Street Hobbs NM, 88240

,

#### Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

Fax: (505) 393-4658

#### ANALYTICAL REPORT FOR SAMPLES

| Sample TD | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| SP-1 24"  | 6J30008-01    | Soil   | 10/30/06 07:47 | 10-30-2006 11:20 |
| SP-2 24"  | 6J30008-02    | Soil   | 10/30/06 08:00 | 10-30-2006 11:20 |
| SP-3 24"  | 6J30008-03    | Soil   | 10/30/06 08:20 | 10-30-2006 11:20 |

.

#### Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

#### General Chemistry Parameters by EPA / Standard Methods

| Environmental | Lab | of | Texas |
|---------------|-----|----|-------|
|---------------|-----|----|-------|

| Analyte                     | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-----------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| SP-1 24'' (6J30008-01) Soil |        |                    |       |          |         |          |          |           |       |
| Chloride                    | 2320   | 50.0               | mg/kg | 100      | EK60101 | 11/01/06 | 11/01/06 | EPA 300.0 |       |
| SP-2 24'' (6J30008-02) Suil |        |                    |       |          |         |          |          |           |       |
| Chloride                    | 2160   | 50.0               | mg/kg | 100      | EK60101 | 11/01/06 | 11/01/06 | EPA 300.0 |       |
| SP-3 24'' (6J30008-03) Soil |        |                    |       |          |         |          |          |           |       |
| Chloride                    | 2960   | 50.0               | mg/kg | 100      | EK60101 | 11/01/06 | 11/01/06 | EPA 300.0 |       |

Environmental Lab of Texas

Taion LPE- Hobbs 318 East Taylor Street Hobbs NM, 88240

.

#### Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### **Environmental Lab of Texas**

| · · · · · · · · · · · · · · · · · · · |        | ·····         |       | ·····                         |            |            |        |      |       |       |
|---------------------------------------|--------|---------------|-------|-------------------------------|------------|------------|--------|------|-------|-------|
|                                       |        | Reporting     |       | Spike                         | Source     |            | %REC   |      | RPD   |       |
| Analyte                               | Result | Limit         | Units | Level                         | Result     | %REC       | Limits | RPD  | Limit | Notes |
| Batch EK60101 - Water Extraction      |        |               |       |                               |            |            |        |      |       |       |
| Blank (EK60101-BLK1)                  |        |               |       | Prepared &                    | . Analyzed | : 11/01/06 |        |      |       |       |
| Chloride                              | ND     | 0.500         | mg/kg |                               |            |            |        |      |       |       |
| LCS (EK60101-BS1)                     |        |               |       | Prepared &                    | z Analyzed | : 11/01/06 |        |      |       |       |
| Chloride                              | 11.0   | 0.500         | mg/kg | 10.0                          |            | 110        | 80-120 |      |       |       |
| Calibration Check (EK60101-CCV1)      |        |               |       | Prepared &                    | Analyzed   | : 11/01/06 |        |      |       |       |
| Chloridc                              | 10.8   |               | mg/L  | 10.0                          |            | 108        | 80-120 |      |       |       |
| Duplicate (EK60101-DUP1)              | Sou    | rce: 6J30008- | 01    | Prepared &                    | Analyzed   | : 11/01/06 |        |      |       |       |
| Chloride                              | 2290   | 50.0          | mg/kg |                               | 2320       |            |        | 1.30 | 20    | •••   |
| Duplicate (EK60101-DUP2)              | Sou    | rce: 6J30008- | 03    | Prepared &                    | . Analyzed | : 11/01/06 |        |      |       |       |
| Chloride                              | 3130   | 50.0          | mg/kg |                               | 2960       |            |        | 5.58 | 20    |       |
| Matrix Spike (EK60101-MS1)            | Sou    | rce: 6J30008- | 01    | Prepared & Analyzed: 11/01/06 |            |            |        |      |       |       |
| Chloride                              | 3600   | 50.0          | mg/kg | 1000                          | 2320       | 128        | 80-120 |      |       | N     |
| Matrix Spike (EK60101-MS2)            | Sou    | rce: 6J30008- | 03    | Prepared &                    | : Analyzed | : 11/01/06 |        |      |       |       |
| Chloride                              | 4470   | 50.0          | mg/kg | 1000                          | 2960       | 151        | 80-120 |      |       | M     |

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Page 3 of 4

| Talon LPE-<br>318 East Ta<br>Hobbs NM | aylor Street   |                 | Hunt APO #1<br>YATESP030SPL<br>Eb Taylor   | Fax: (505) 393-4658 |
|---------------------------------------|--|-----------------|--|---------------------|
|                                       |  | Notes and De    | finitions                                  |                     |
| М1                                    | The MS and/or MSD were above the acceptance limits   | due to sample m | atrix interference. See Blank Spike (LCS). |                     |
| DET                                   | Analyte DETECTED                                     |                 |  |                     |
| ND                                    | Analyte NOT DETECTED at or above the reporting limit |                 |  |                     |
| NR                                    | Not Reported   |                 |  |                     |
| dry                                   | Sample results reported on a dry weight basis        |                 |  |                     |
| RPD                                   | Relative Percent Difference                          |                 |  |                     |
| LCS                                   | Laboratory Control Spike                             |                 |  |                     |
| MS                                    | Matrix Spike   |                 |  |                     |
| Dup                                   | Duplicate  |                 |  |                     |

Report Approved By:

.

Raland K Julits

11/3/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

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Page 4 of 4

|                                       |            |                                       |                  |              |  | 1260<br>Odes | 12600 West I-20 East<br>Odessa, Texas 79765 | t I-20<br>  xas 7          | East<br>9765                      | tl-20 East Phone: 432-563-1800<br>xas 79785 Fax: 432-563-1773 |   |                      |                      |  | Ĩ.                             | Phone: 4<br>Fax: 4   | 32-56   | Phone: 432-563-1800<br>Fax: 432-563-1713 |            |                                     |
|---------------------------------------|------------|---------------------------------------|------------------|--------------|--|--------------|---|----------------------------|-----------------------------------|---|---|----------------------|----------------------|--|--------------------------------|--|---|--|------------|-------------------------------------|
| Project Manage∵                       | EB.        | Tay lor                               |                  |              |  |              |   |                            |                                   |   | -   | Project Name:        | t Nami               | 1  | TWW                            | Ň  | 920   |  | # 2        |                                     |
| <b>Company Name</b>                   | TALDN LPE  | PÉ                                    |                  |              |  |              |   |                            |                                   |   |   | P                    | Project #:           |  | X                              | 352  | 0   | XA775P 030 SP1                           | ð          |                                     |
| Company Address:                      | s 318 E.   | 1A                                    | H105             |              |  |              |   |                            |                                   |   |   | Proje                | Project £oc: _       | I  | LEN                            |  | 20  | MAND                                     | S          | \$                                  |
| City/State/Zip:                       | NORRS      | S. W.                                 | ome 28           |              |  |              |   |                            |                                   |   |   |                      | #04                  | ]  |                                |  |   |  |            |                                     |
| Telephone No:                         | 432 238-   | - 6386                                |                  | Fax No:      | ٩                                      | 505          | 1   | 393-4658                   | 35                                | 28  | Rep   | Report Format:       | timat:               | के   | E Standard                     | Ę  |   | 🛛 TRRP                                   | <b>L</b>   | 🗍 NPDES                             |
| Sampler Signature:                    | . 0- D     |                                       |                  | e-maíl:      |  | 10           | ETAYJOF ETAINNER                            | ŗ                          | H.                                | 101   | 200   | ્રી                  | d                    |  |                                |  |   |  |            |                                     |
| (lab use only)<br>Sence ユー (6 ゴろ 〇〇 円 | SOC B      |                                       |                  |              |  | l            |   |                            |                                   |   |   |                      |                      | TOTAL:   |                                |  |   |  |            |                                     |
|                                       | ないないたい。    |                                       |                  |              | +                                      | Å            | Preservetion & \$ of Contra ners            | 0 5 2 0                    | Contar                            | g   | Matrix  | -                    |                      |  | <b>e</b> S                     |  | G   |  |            |                                     |
| (vino sựu úia) # BA.1<br>             | FIELD CODE | អង់ពុ១៨ បិទព្រំវា<br>ក្រមាំពង្ក Depth | Date Sampled     | bəlqms2 əmiT | Field Fatered<br>Total # of Containers |              | HCI<br>HNO <sup>3</sup>                     | HÔ®N<br>VÔS <sup>Z</sup> H | EO <sub>2</sub> S <sub>2</sub> EN | Offret ( Specify)   | ardials=18 harder of the second and | TPH: 418,1 3015M 601 | 9001 X1 GOOL X1 :Hd1 | Cations (Ca, Mg, Na, K)<br>Anions (Cl, SOA, Alkaliniky)                              | SAR / ESP / CEC                | saneoa   | Semivolatiles   | N.O.R.M.<br>RCI                          | STO TO HAY | AL (Huther Solite date) 24, AL HEUR |
| SP-4-                                 | الالمع     |                                       | 10/20            | 7:47         | -                                      |              |   | <u> </u>                   |                                   |   | w   | -                    |                      | <b>—</b>   |                                |  | -   |  | -          |                                     |
| C - <> 20                             | 341        |                                       | 10/30            | 8:8          | ~                                      |              | <b> </b>                                    |                            |                                   |   | 14  | <u> </u>             |                      | <b></b>  |                                |  |   |  |            |                                     |
| U3 5P- 3                              | لا لمح     |                                       | 12/30            | 05:20        | ~                                      |              |   |                            |                                   |   | 4   |                      |                      | L  |                                |  |   |  | E          | <b>—</b>                            |
|                                       |            |                                       |                  |              |  |              |   | ┝┞                         |                                   |   |   | È-                   |                      |  |                                |  |   | ┝╌┼╴                                     |            |                                     |
|                                       |            |                                       |                  |              | +                                      | ┥┤           | ╡┦  |                            |                                   |   |   | +                    |                      |  | ┽┤                             |  |   |  |            |                                     |
|                                       |            |                                       |                  |              | -                                      |              | +   |                            |                                   |   |   | +                    |                      | _  |                                |  |   |  |            |                                     |
|                                       |            |                                       |                  |              | ┤─┼                                    |              | ┼╌┿   |                            |                                   |   |   | ╉╀                   |                      | <b>1</b>   | ┦╌╆                            |  |   | ╉╉                                       | ╉╼┠        |                                     |
| Special Instructions;                 | 1          |                                       |                  |              | $\neg$                                 | _  \$        | 1 3   | -  \                       |                                   | -   |   | -                    |                      | Laboratory. Comments:<br>Sample Contanters: http://                                  | Control<br>Control             |  | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |  |            |                                     |
| CHINTORY                              | NEED 70    | 16 1                                  | 5                | SEPCE AT     |  | Z            | たあ  | 2                          |                                   |   |   |                      |                      | VOCs Free of Headspace   | le-of                          | Heads  | pace?   |  | ຍ          |                                     |
|                                       | Vallante   | 11.'20                                | eceived by       |              | :                                      |              |   |                            |                                   | Date  |   | Time                 |                      | Labels on conteinerta).<br>Custody seals on container(s<br>Custodyseals chrooler(s)- | In cont<br>seals<br>seals      | albert<br>on cor   | tainer<br>Marier  | (8)                                      | sæ.        |                                     |
| Relinquished by.                      | Date       | a nue                                 | Received by:     |              |  |              |   |                            |                                   | Date  | æ   | ТШе                  | 1                    | elding<br>BC-A   | inple Hand Delli<br>by Course? | nple Hand Delivered<br>by Gampler/Client-Rep.<br>by Courier? | vered<br>nt Rep ?   | )<br>HC                                  | ЮЮų        | N Z Z                               |
| Refinguished by:                      | Date       | Time                                  | Received by ELCI | Ţ,           |  |              |   |                            |                                   | - Dah   |   | Time                 | Ι.                   |  |                                |  |   |  |            |                                     |

•

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

| Client:     | Talon LPE       |
|-------------|-----------------|
| Date/ Time: | 10-30-06 @ 1120 |
| Lab ID # :  | 6530008         |
| Initials:   | JMM             |

..

# Sample Receipt Checklist

|     |  |        |    | Client Initial           |
|-----|--|--------|----|--------------------------|
| #1  | Temperature of container/ cooler?                      | Yes    | No | 3.7) °C                  |
| #2  | Shipping container in good condition?                  | Yes    | No |                          |
| #3  | Custody Seals intact on shipping container/ cooler?    | Yes    | No | (Not'Present>)           |
| #4  | Custody Seals intact on sample bottles/ container?     | res    | No | Not Present              |
| #5  | Chain of Custody present?                              | (Yes)  | No |                          |
| #6  | Sample instructions complete of Chain of Custody?      | (res)  | No |                          |
| #7  | Chain of Custody signed when relinquished/ received?   | (Yes)  | No |                          |
| #8  | Chain of Custody agrees with sample label(s)?          | (res)  | No | ID written on Cont./ Lid |
| #9  | Container label(s) legible and intact?                 | Kes    | No | Not Applicable           |
| #10 | Sample matrix/ properties agree with Chain of Custody? | Kes_>  | No |                          |
| #11 | Containers supplied by ELOT?                           | (res)  | No |                          |
| #12 | Samples in proper container/ bottle?                   | (Tes)  | No | See Below                |
| #13 | Samples properly preserved?                            | (Yes)  | No | See Below                |
| #14 | Sample bottles intact?                                 | (Yes)  | No |                          |
| #15 | Preservations documented on Chain of Custody?          | (Yes)  | No |                          |
| #16 | Containers documented on Chain of Custody?             | (res)  | No |                          |
| #17 | Sufficient sample amount for indicated test(s)?        | (Fes.) | No | See Below                |
| #18 | All samples received within sufficient hold time?      | Tes    | No | See Below                |
| #19 | VOC samples have zero headspace?                       | (Yes)  | No | Not Applicable           |

# Variance Documentation

| Contact:                |   | Contacted by:   | Date/ Time | _ |
|-------------------------|---|---|------------|---|
| Regarding:              |   |   |            |   |
| Corrective Action Taken | : | · · · · · · · · · · · · · · · · · · ·   |            | _ |
| Check all that Apply:   |   | See attached e-mail/ fax<br>Client understands and would lil<br>Cooling process had begun sho | -          | _ |

٤.


# Analytical Report

# **Prepared for:**

Eb Taylor Talon LPE- Hobbs 318 East Taylor Street Hobbs, NM 88240

Project: Hunt APO #1 Project Number: YATESP030SPL Location: Lea County, NM

Lab Order Number: 6J30008

Report Date: 11/03/06

Taion LPE- Hobbs 318 East Taylor Street Hobbs NM, 88240

,

### Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

Fax: (505) 393-4658

# ANALYTICAL REPORT FOR SAMPLES

| Sampic 1D | Laboratory ID       | Matrix | Date Sampled   | Date Received    |
|-----------|---------------------|--------|----------------|------------------|
| SP-1 24"  | 6J30008-01          | Soil   | 10/30/06 07:47 | 10-30-2006 11:20 |
| SP-2 24"  | 6J3000 <b>8-</b> 02 | Soil   | 10/30/06 08:00 | 10-30-2006 11:20 |
| SP-3 24"  | 6J30008-03          | Soil   | 10/30/06 08:20 | 10-30-2006 11:20 |

#### Talon LPE- Hobbs 318 East Taylor Street Hobbs NM, 88240

#### Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

#### Fax: (505) 393-4658

#### Organics by GC

#### **Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes   |
|-----------------------------------|--------|--------------------|-----------|----------|---------|----------|----------|-----------|---------|
| SP-1 24'' (6J30008-01) Soil       | ·····  |                    |           |          |         |          |          |           |         |
| Benzene                           | ND     | 0.0250             | mg/kg dry | 25       | EJ63103 | 10/30/06 | 10/31/06 | EPA 8021B |         |
| Toluene                           | ND     | 0.0250             | "         | n        | "       | "        | п        | я         |         |
| Ethylbenzene                      | ND     | 0.0250             | n         | 4        | H       | 11       | #        | "         |         |
| Xylene (p/m)                      | ND     | 0.0250             | "         | "        | "       | "        | п        | n         |         |
| Xylene (o)                        | ND     | 0.0250             | "         | n        | 11      | n        | **       |           |         |
| Surrogate: a,a,a-Trifluorotoluene |        | 91.0 %             | 80-1      | 20       | "       | "        | "        | "         |         |
| Surrogate: 4-Bromofluorobenzene   |        | 107 %              | 80-1      | 20       | "       | "        | "        | "         |         |
| Carbon Ranges C6-C10              | ND     | 10.0               | mg/kg dry | 1        | EJ63106 | n        | 10/31/06 | EPA 8015B |         |
| Carbon Ranges >C10-C28            | ND     | 10.0               |           | "        | "       | "        | "        | n         |         |
| Total Carbon Range C6-C28         | ND     | 10.0               | u         | Ħ        | #       | M        | Ħ        | "         |         |
| Surrogate: 1-Chlorooctane         |        | 128 %              | 70-1      | 30       | "       | "        | "        | "         |         |
| Surrogate: 1-Chlorooctadecane     |        | 82.4 %             | 70-1      | 30       | "       | "        | "        | "         |         |
| SP-2 24'' (6J30008-02) Soil       |        |                    |           |          |         |          |          |           |         |
| Benzene                           | ND     | 0.0250             | mg/kg dry | 25       | EJ63103 | 10/30/06 | 10/31/06 | EPA 8021B |         |
| Toluene                           | ND     | 0.0250             | п         | "        | н       | "        | "        | n         |         |
| Ethylbenzene                      | ND     | 0.0250             | n         | в        | n       | H        | н        | n         |         |
| Xylene (p/m)                      | ND     | 0.0250             | "         | "        | "       | "        | "        | "         |         |
| Xylene (o)                        | ND     | 0.0250             | н         | "        | п       | п        | **       | н         |         |
| Surrogate: a,a,a-Trifluorotoluene |        | 89.0 %             | 80-1      | 20       | "       | "        | "        | "         |         |
| Surrogate: 4-Bromofluorobenzene   |        | 96.0 %             | 80-1      | 20       | "       | "        | "        | "         |         |
| Carbon Ranges C6-C10              | ND     | 10.0               | mg/kg dry | 1        | EJ63106 | 11       | 10/31/06 | EPA 8015B |         |
| Carbon Ranges >C10-C28            | 19.3   | 10.0               | π         | n        | "       | 11       | "        | *         |         |
| Total Carbon Range C6-C28         | 19.3   | 10.0               | "         | "        | 11      | n        | "        | "         |         |
| Surrogate: 1-Chlorooctane         |        | 126 %              | 70-1      | 30       | "       | "        | "        | "         | <u></u> |
| Surrogate: 1-Chlorooctadecane     |        | 83.2 %             | 70-1      | 30       | "       | "        | "        | "         |         |
| SP-3 24'' (6J30008-03) Soil       |        |                    |           |          |         |          |          |           |         |
| Benzene                           | 0.252  | 0.0250             | mg/kg dry | 25       | EJ63103 | 10/30/06 | 10/31/06 | EPA 8021B |         |
| Toluene                           | 1.10   | 0.0250             | n         | "        | v       | n        | "        | н         |         |
| Ethylbenzene                      | 0.631  | 0.0250             | 11        | н        | и       | "        | *        | n         |         |
| Xylene (p/m)                      | 3.47   | 0.0250             | "         | "        | "       | "        | "        | #         |         |
| Xylene (o)                        | 1.17   | 0.0250             | n         | H        | Ħ       | #        | "        |           |         |
| Surrogate: a,a,a-Trifluorotoluene |        | 134 %              | 80-1      | 20       | "       | **       | "        | "         | S-04    |
| Surrogate: 4-Bromofluorobenzene   |        | 134 %              | 80-1      | 20       | "       | "        | "        | "         | S-04    |
| Carbon Ranges C6-C10              | 361    | 10.0               | mg/kg dry | 1        | EJ63106 | n        | 10/31/06 | EPA 8015B |         |
| Carbon Ranges >C10-C28            | 1540   | 10.0               | n         | ٩        | 8       | 23       | 11       | "         |         |
| Total Carbon Range C6-C28         | 1900   | 10.0               | "         | "        |         | "        | "        | "         |         |

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| Talon LPE- Hobbs       |
|------------------------|
| 318 East Taylor Street |
| Hobbs NM, 88240        |

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|                               | Organics by GC<br>Environmental Lab of Texas |                    |       |          |         |          |          |           |       |  |  |  |  |
|-------------------------------|--|--------------------|-------|----------|---------|----------|----------|-----------|-------|--|--|--|--|
| Analyte                       | Result                                       | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |  |  |  |  |
| SP-3 24'' (6J30008-03) Soil   |  |                    |       |          |         |          |          |           |       |  |  |  |  |
| Surrogate: 1-Chlorooctane     |  | 129 %              | 70-   | 130      | EJ63106 | 10/30/06 | 10/31/06 | EPA 8015B |       |  |  |  |  |
| Surrogate: 1-Chlorooctadecane |  | 106 %              | 70-   | 130      | "       | "        | "        | "         |       |  |  |  |  |

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### Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

## General Chemistry Parameters by EPA / Standard Methods

| Environmental | Lab | of | Texas |
|---------------|-----|----|-------|
|---------------|-----|----|-------|

| Analyte                     | Result | Reporting<br>Limit                    | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|-----------------------------|--------|---------------------------------------|-------|----------|---------|----------|----------|---------------|-------|
| SP-1 24'' (6J30008-01) Soil |        | · · · · · · · · · · · · · · · · · · · | ····· |          |         |          |          |               |       |
| % Moisturc                  | 11.3   | 0.1                                   | %     | 1        | EJ63101 | 10/30/06 | 10/31/06 | % calculation |       |
| SP-2 24'' (6J30008-02) Soil |        |                                       |       |          |         |          |          |               |       |
| % Moisture                  | 11.7   | 0.1                                   | %     | 1        | EJ63101 | 10/30/06 | 10/31/06 | % calculation |       |
| SP-3 24'' (6J30008-03) Soil |        |                                       |       |          |         |          |          |               |       |
| % Moisture                  | 12.1   | 0.1                                   | %     | 1        | EJ63101 | 10/30/06 | 10/31/06 | % calculation |       |

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## Project: Hunt APO #1 Project Number: YATESP030SPL Project Manager: Eb Taylor

# **Organics by GC - Quality Control**

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|                                     | a sult | Reporting    |           | Spike       | Source      | 4/131/27     | %REC   |                              | RPD     | <b>1</b> 17 |
|-------------------------------------|--------|--------------|-----------|-------------|-------------|--------------|--------|------------------------------|---------|-------------|
| Analyte                             | Result | Limit        | Units     | Level       | Result      | %REC         | Limits | RPD                          | Limit   | Notes       |
| Batch E.I63103 - EPA 5030C (GC)     | ·····  |              |           |             | · · · · · · |              |        |                              |         |             |
| Blank (EJ63103-BLK1)                |        |              |           | Prepared &  | Analyzed    | : 10/30/06   |        |                              |         |             |
| Benzene                             | ND     | 0.0250       | mg/kg wet |             |             |              |        |                              |         |             |
| Toluene                             | ND     | 0.0250       | P         |             |             |              |        |                              |         |             |
| Ethylbenzene                        | ND     | 0.0250       | п         |             |             |              |        |                              |         |             |
| Xylene (p/m)                        | ND     | 0.0250       | n         |             |             |              |        |                              |         |             |
| Xylene (o)                          | ND     | 0.0250       | n         |             |             |              |        |                              |         |             |
| Surrogale: a, a, a-Trifluorololuene | 39.9   |              | ug/kg     | 40.0        |             | 99.8         | 80-120 |                              |         |             |
| Surrogate: 4-Bromofluorobenzene     | 41.1   |              | "         | 40.0        |             | 103          | 80-120 |                              |         |             |
| LCS (EJ63103-BS1)                   |        |              |           | Prepared &  | . Analyzed  | : 10/30/06   |        |                              |         |             |
| Benzene                             | 1.44   | 0.0250       | mg/kg wet | 1.25        |             | 115          | 80-120 |                              | · · · · |             |
| Toluene                             | 1.38   | 0.0250       |           | 1.25        |             | 110          | 80-120 |                              |         |             |
| Ethylbenzene                        | 1.45   | 0.0250       | "         | 1.25        |             | 116          | 80-120 |                              |         |             |
| Xylene (p/m)                        | 2.93   | 0.0250       |           | 2.50        |             | 117          | 80-120 |                              |         |             |
| Xylene (0)                          | 1.44   | 0.0250       | п         | 1.25        |             | 115          | 80-120 |                              |         |             |
| Surrogate: a,a,a-Trifluorotoluene   | 40.0   |              | ug/kg     | 40.0        |             | 100          | 80-120 |                              |         |             |
| Surrogate: 4-Bromofluorobenzene     | 39.6   |              | "         | 40.0        |             | 99.0         | 80-120 |                              |         |             |
| Calibration Check (EJ63103-CCV1)    |        |              |           | Prepared: 1 | 0/30/06 A   | nalyzed: 10  | /31/06 |                              |         |             |
| Benzene                             | 52.3   |              | ug/kg     | 50.0        |             | 105          | 80-120 |                              |         |             |
| Toluene                             | 45.6   |              | n         | 50.0        |             | 91.2         | 80-120 |                              |         |             |
| Ethylbenzene                        | 46.8   |              | "         | 50.0        |             | 93.6         | 80-120 |                              |         |             |
| Xylene (p/m)                        | 90.5   |              | *         | 100         |             | 90.5         | 80-120 |                              |         |             |
| Xylene (0)                          | 41.3   |              | "         | 50.0        |             | 82.6         | 80-120 |                              |         |             |
| Surrogate: a,a,a-Trifluorotoluene   | 34.8   |              | 81        | 40.0        |             | 87.0         | 80-120 | · · · · <b>- · · · · ·</b> · |         |             |
| Surrogate: 4-Bromofluorobenzene     | 33.4   |              | "         | 40.0        |             | 83.5         | 80-120 |                              |         |             |
| Matrix Spike (EJ63103-MS1)          | Sou    | rce: 6J30008 | -02       | Prepared: 1 | 0/30/06 A   | .nalyzed: 10 | /31/06 |                              |         |             |
| Benzene                             | 1.52   | 0.0250       | mg/kg dry | 1.42        | ND          | 107          | 80-120 |                              |         |             |
| Toluene                             | 1.43   | 0.0250       | "         | 1.42        | ND          | 101          | 80-120 |                              |         |             |
| Ethylbenzene                        | 1.40   | 0.0250       | n         | 1.42        | ND          | 98.6         | 80-120 |                              |         |             |
| Xylene (p/m)                        | 3.11   | 0.0250       | 2         | 2.83        | ND          | 110          | 80-120 |                              |         |             |
| Xylene (0)                          | 1.21   | 0.0250       | "         | 1.42        | ND          | 85.2         | 80-120 |                              |         |             |
| Surrogate: a, a, a-Trifluorotoluene | 36.4   |              | ug/kg     | 40.0        |             | 91.0         | 80-120 |                              |         |             |
| Surrogate: 4-Bromofluorobenzene     | 40.8   |              | "         | 40.0        |             | 102          | 80-120 |                              |         |             |

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#### **Organics by GC - Quality Control**

## Environmental Lab of Texas

|         |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

## Batch EJ63103 - EPA 5030C (GC)

| Matrix Spike Dup (EJ63103-MSD1)   | Sour | Source: 6J30008-02 |           |      | Prepared: 10/30/06 Analyzed: 10/31/06 |      |        |      |    |
|-----------------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|------|----|
| Benzene                           | 1.58 | 0.0250             | mg/kg dry | 1.42 | ND                                    | 111  | 80-120 | 3.67 | 20 |
| Toluene                           | 1.50 | 0.0250             | "         | 1.42 | ND                                    | 106  | 80-120 | 4.83 | 20 |
| Ethylbenzene                      | 1.54 | 0.0250             | "         | 1.42 | ND                                    | 108  | 80-120 | 9.10 | 20 |
| Xylene (p/m)                      | 3.22 | 0.0250             | "         | 2.83 | ND                                    | 114  | 80-120 | 3.57 | 20 |
| Xylene (0)                        | 1.27 | 0.0250             | "         | 1.42 | ND                                    | 89.4 | 80-120 | 4.81 | 20 |
| Surrogate: a,a,a-Trifluorotoluene | 34.3 |                    | ug/kg     | 40.0 |                                       | 85.8 | 80-120 |      |    |
| Surrogate: 4-Bromofluorobenzene   | 44.0 |                    | "         | 40.0 |                                       | 110  | 80-120 |      |    |

#### Batch EJ63106 - Solvent Extraction (GC)

| Blank (EJ63106-BLK1)             |      |      |           | Prepared: 10/30/ | /06 Analyzed: 10 | )/31/06 |       |
|----------------------------------|------|------|-----------|------------------|------------------|---------|-------|
| Carbon Ranges C6-C10             | ND   | 10.0 | mg/kg wet |                  |                  | ·       |       |
| Carbon Ranges >C10-C28           | ND   | 10.0 | "         |                  |                  |         |       |
| Total Carbon Range C6-C28        | ND   | 10.0 | "         |                  |                  |         |       |
| Surrogate: 1-Chlorooctane        | 64.1 |      | mg/kg     | 50.0             | 128              | 70-130  |       |
| Surrogate: 1-Chlorooctadecane    | 53.8 |      | "         | 50.0             | 108              | 70-130  |       |
| LCS (EJ63106-BS1)                |      |      |           | Prepared: 10/30/ | 06 Analyzed: 10  | 0/31/06 |       |
| Carbon Ranges C6-C10             | 556  | 10.0 | mg/kg wet | 500              | 111              | 75-125  |       |
| Carbon Ranges >C10-C28           | 451  | 10.0 |           | 500              | 90.2             | 75-125  |       |
| Total Carbon Range C6-C28        | 1010 | 10.0 | "         | 1000             | 101              | 75-125  |       |
| Surrogate: 1-Chlorooctane        | 64.2 |      | mg/kg     | 50.0             | 128              | 70-130  | ····· |
| Surrogate: 1-Chlorooctadecane    | 42.2 |      | "         | 50.0             | 84,4             | 70-130  |       |
| Calibration Check (EJ63106-CCV1) |      |      |           | Prepared: 10/30/ | 06 Analyzed: 10  | )/31/06 |       |

| Carbon Ranges C6-C10          | 510 | mg/kg | 500  | 102 80-120  |
|-------------------------------|-----|-------|------|-------------|
| Carbon Ranges >C10-C28        | 429 | "     | 500  | 85.8 80-120 |
| Total Carbon Range C6-C28     | 939 | "     | 1000 | 93.9 80-120 |
| Surrogate: 1-Chlorooctane     | 126 | "     | 100  | 126 70-130  |
| Surrogate: 1-Chlorooctadecane | 104 | "     | 100  | 104 70-130  |

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## **Organics by GC - Quality Control**

#### **Environmental Lab of Texas**

|         |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|         |        |           |       |       |        |      |        |     |       |       |

#### Batch EJ63106 - Solvent Extraction (GC)

| Matrix Spike (EJ63106-MS1)      | Sourc | e: 6J27010- | -03       | Prepared: 1 | 0/30/06 A | nalyzed: 10  | 0/31/06 |       |    |  |
|---------------------------------|-------|-------------|-----------|-------------|-----------|--------------|---------|-------|----|--|
| Carbon Ranges C6-C10            | 636   | 10.0        | mg/kg dry | 600         | ND        | 106          | 75-125  |       |    |  |
| Carbon Ranges >C10-C28          | 499   | 10.0        | π         | 600         | ND        | 83.2         | 75-125  |       |    |  |
| Total Carbon Range C6-C28       | 1130  | 10.0        | "         | 1200        | ND        | 94.2         | 75-125  |       |    |  |
| Surrogate: 1-Chlorooctane       | 62.3  |             | mg/kg     | 50.0        |           | 125          | 70-130  |       |    |  |
| Surrogate: I-Chlorooctadecane   | 36.4  |             | "         | 50.0        |           | 72.8         | 70-130  |       |    |  |
| Matrix Spike Dup (EJ63106-MSD1) | Sourc | e: 6J27010- | -03       | Prepared: 1 | 0/30/06 A | nalyzed: 10  | )/31/06 |       |    |  |
| Carbon Ranges C6-C10            | 635   | 10.0        | mg/kg dry | 600         | ND        | 106          | 75-125  | 0.157 | 20 |  |
| Carbon Ranges >C10-C28          | 500   | 10.0        | "         | 600         | ND        | 83.3         | 75-125  | 0.200 | 20 |  |
| Total Carbon Range C6-C28       | 1130  | 10.0        | "         | 1200        | ND        | 94.2         | 75-125  | 0.00  | 20 |  |
| Surrogate: 1-Chlorooctane       | 61.8  |             | mg/kg     | 50.0        |           | 124          | 70-130  |       |    |  |
| Surrogate: 1-Chlorooctadecane   | 36.5  |             | "         | 50.0        |           | 7 <b>3.0</b> | 70-130  |       |    |  |

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#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

## **Environmental Lab of Texas**

|  |                    | Reporting     |       | Spike       | Source     |              | %REC   |       | RPD   |       |
|--|--------------------|---------------|-------|-------------|------------|--------------|--------|-------|-------|-------|
| Analyte                                    | Result             | Limit         | Units | Level       | Result     | %REC         | Limits | RPD   | Limit | Notes |
| Batch EJ63101 - General Preparation (Prep) |                    | ·····         |       |             |            |              |        |       |       |       |
| Blank (EJ63101-BLK1)                       |                    |               |       | Prepared: 1 | 0/30/06 A  | nalyzed: 10/ | /31/06 |       |       |       |
| % Solids                                   | 100                |               | %     |             |            |              |        |       |       |       |
| Duplicate (EJ63101-DUP1)                   | Sour               | ce: 6J26007-0 | 1     | Prepared: 1 | 10/30/06 A | nalyzed: 10  | /31/06 |       |       |       |
| % Solids                                   | 94.0               |               | %     |             | 93.9       |              |        | 0.106 | 20    |       |
| Duplicate (EJ63101-DUP2)                   | Source: 6J30001-04 |               |       | Prepared: 1 | 10/30/06 A | nalyzed: 10  | /31/06 |       |       |       |
| % Solids                                   | 94.2               |               | %     |             | 94.4       |              |        | 0.212 | 20    |       |
| Duplicate (EJ63101-DUP3)                   | Sour               | ce: 6J30014-0 | 1     | Prepared: 1 | 10/30/06 A | nalyzed: 10  | /31/06 |       |       |       |
| % Solids                                   | 90.0               |               | %     |             | 90.1       |              |        | 0.111 | 20    |       |

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|------|---|--|---------------------|
|      |   | Notes and Definitions  |                     |
| S-04 | The surrogate recovery for this sample is     | outside of established control limits due to a sample n                            | natrix effect.      |
| DET  | Analyte DETECTED                              |  |                     |
| ND   | Analyte NOT DETECTED at or above the rep      | porting limit  |                     |
| NR   | Not Reported                                  |  |                     |
| dry  | Sample results reported on a dry weight basis |  |                     |
| RPD  | Relative Percent Difference                   |  |                     |
| LCS  | Laboratory Control Spike                      |  |                     |
| MS   | Matrix Spike                                  |  |                     |
| Dup  | Duplicate                                     |  |                     |

Report Approved By:

Raland K Juli

11/3/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Me Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

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| To         Received by:         C Port M3         Ke Mor 1         Date         Time         VOCS Free of Headspace?         O           Date         Time         Received by:         C Port M3         Ke Mor 1         C         Date         Time         Contained(s)         0   | Preservation & # of Containers. Mailth.   | Re de mait etaylor etalenter las   | Telephone No: 432 238- 4386 Fax No: 505 393-458 Report Format: E Standard 🛛 TRRP 🗍 NPDES   | City/State/Zip: HD&&S Nm 883-240   | F CUSTODY RECORD AND AN  | N N S S S S S S S S S S S S S S S S S S | k 8 1 2-10:14 H7                             | AND ANAL VSIS REQ<br>Phone:     AND ANAL VSIS REQ<br>Phone:       Phone:     1       Phone:     1    < |                      |                          | CHAIN V           West 1-20 Eas           West 1-20 Eas           A33.4           A1           A2.4           A3.4           A1   |                        |      | Raceived by<br>Received by<br>Recei |             |           | 12-2<br>2318 - 27-2<br>2318 - 27-2<br>2318 - 27-2<br>2318 - 27-2<br>27-2<br>27-2<br>27-2<br>27-2<br>27-2<br>27-2<br>27 | Project Manager<br>Company Name<br>Company Addres<br>City/State/Zip:<br>Telephone No:<br>Sampler Signatur<br>Mity<br>Aff<br>SP- 4<br>SP- 4<br>SP- 3<br>SP- 3 | Removed and the second and the secon |
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| Special instructions:   | Y         | Водиние Солуки (М.)     С. С   | Sampler Signature     Sampler Signature       Sampler Signature  | Telephone No.     V.2.3.27. C.3.37. L.2.37.       Telephone No.     V.2.3.27. C.3.37. L.2.37.       Sampler Signature:     V.2.3.27. C.3.37. L.2.37.       Sampler Signature:     L.2.3.7. C.3.37. L.2.37.       Sampler Signature:     L.2.3.7. L.2.3.       Sampler Signature:     L.3.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1   | Project Manager     Company Name     Company Name     Provest 43-563-100       Project Wannager     Execution     Provest 43-563-100       Project Wannager     Execution     Project Manne, 43-563-100       Company Nama     Frich Wannager     Project Manne, 43-563-100       Company Matches     J1     Project Manne, 43-563-100       Company Matches     J2     J3     J4       Company Matches     J3     J3     J4       Project Manne, Ma |   |  |   |                      | +                        |   |                        |      |  | _           |           |  |  |  |
| Special Instructions:   | Image: Second   | 80       2       ARD 34(180 uses only)       30       50 <td< td=""><td>Canadia         Canadia         <t< td=""><td>Telephone No.       Telephone No.       Telephone No.       A Sar C.23 R       Telephone No.       C.23 R       Sampler       Sampler       C.23 R       Sampler       C.23 R       Sampler       C.23 R       Report former       A Sampler       A Sampler</td><td>Project Knameger     Commender     Constant zur die der der der der der der der der der de</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td></t<></td></td<>  | Canadia         Canadia <t< td=""><td>Telephone No.       Telephone No.       Telephone No.       A Sar C.23 R       Telephone No.       C.23 R       Sampler       Sampler       C.23 R       Sampler       C.23 R       Sampler       C.23 R       Report former       A Sampler       A Sampler</td><td>Project Knameger     Commender     Constant zur die der der der der der der der der der de</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td></t<>   | Telephone No.       Telephone No.       Telephone No.       A Sar C.23 R       Telephone No.       C.23 R       Sampler       Sampler       C.23 R       Sampler       C.23 R       Sampler       C.23 R       Report former       A Sampler   | Project Knameger     Commender     Constant zur die der der der der der der der der der de   |   |  |   |                      |                          |   |                        |      |  | _           |           |  |  |  |
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| ○       SP-3       ≫1       /2/30       8:30       1       1         1       1       1       1       1       1       1       1         1  | A     A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     B     A     A     A       B     B     B     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A     A     A       A     A     A <td>Product     Product     Product</td> <td>And A diab use control and a diab use control</td> <td>Telephone No.         Callephone No.         Ca</td> <td>Project Manager:         Carl Ior           Project Manager:         Company Name           Company Name         The LWN I Defension           Company Address         315           Company Address         315           Company Address         315           Chyl State/Chr         Mark Reports           Chyl State/Chr         Mark Reports           Chyl State/Chr         Mark Report Company           Charlen State         Mark Report Company           Sampler Signature         Mark Rep Company           Sampler Signature         Mark Rep Company</td> <td></td> <td></td> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td>8:8</td> <td>10/80</td> <td></td> <td></td> <td>ii he</td> <td>1</td> <td>20</td> | Product  | And A diab use control   | Telephone No.         Callephone No.         Ca   | Project Manager:         Carl Ior           Project Manager:         Company Name           Company Name         The LWN I Defension           Company Address         315           Company Address         315           Company Address         315           Chyl State/Chr         Mark Reports           Chyl State/Chr         Mark Reports           Chyl State/Chr         Mark Report Company           Charlen State         Mark Report Company           Sampler Signature         Mark Rep Company           Sampler Signature         Mark Rep Company   |   |  |   |                      | 5                        |   |                        | 8:8  | 10/80  |             |           | ii he  | 1  | 20   |
| 02       32       34       10/fb       8:80       1       5       1       1       5       1 <td< td=""><td>Time Sampled<br/>Beginning Depth<br/>Date Sampled<br/>Time Sampled<br/>Date Sampled<br/>Time Sampled</td><td>Image: State of the state o</td><td>CALL THE CONTRACT OF THE ACTION OF THE ACTIO</td><td>The state of the state of t</td><td>Project Manage:     Company Value       Project Manage:     Company Value       Project Manage:     Company Value       Company Value     Company Value       Project Manage:     Company Value       Company Value     Company Value       Company Value     Project Manage:       Company Value     Company Value       Company Value     Company Value       Company Value     Company Value       Company Value     Company Value       Company Address:     3.15       Company Address:     1.160       Company Address:     1.160       <t< td=""><td></td><td></td><td></td><td></td><td>2</td><td></td><td>11</td><td>7:47</td><td>10</td><td>·</td><td></td><td>ויאב</td><td>5P-4-</td><td><del>j</del>o<br/>S</td></t<></td></td<> | Time Sampled<br>Beginning Depth<br>Date Sampled<br>Time Sampled<br>Date Sampled<br>Time Sampled   | Image: State of the state o  | CALL THE CONTRACT OF THE ACTION OF THE ACTIO   | The state of t  | Project Manage:     Company Value       Project Manage:     Company Value       Project Manage:     Company Value       Company Value     Company Value       Project Manage:     Company Value       Company Value     Company Value       Company Value     Project Manage:       Company Value     Company Value       Company Value     Company Value       Company Value     Company Value       Company Value     Company Value       Company Address:     3.15       Company Address:     1.160       Company Address:     1.160 <t< td=""><td></td><td></td><td></td><td></td><td>2</td><td></td><td>11</td><td>7:47</td><td>10</td><td>·</td><td></td><td>ויאב</td><td>5P-4-</td><td><del>j</del>o<br/>S</td></t<>  |   |  |   |                      | 2                        |   | 11                     | 7:47 | 10   | ·           |           | ויאב   | 5P-4-  | <del>j</del> o<br>S  |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $  | Preservation & # of Containers Mailtix a  |  | e-mail: CTAY/bC CTAILE GA Analyze For:   | 238-6386 Fax No: <u>505 393-4658</u> Report Format: El Standard TRRP<br>e-mail: <u>CTAY Jor e 75 Jon 246 Analyze For</u><br>Total:   | 2300 West I-20 East     12600 West I-20 East     Phone: 432-563-1000       7 LUN L PE     Project Name:     N/N/     7.0       7 LUN L PE     Project #     N/N/     7.0       8     7     Project #:     Y7755     0.10.56       8     6     7     Project #:     Y7755     0.10.56       8     8     8     Project #:     V7755     0.10.56       8     8     8     Project #:     V7755     0.10.56       8     8     8     Project #:     V7755     0.10.56       8     8     8     8     100 #:     100 #:  | RUSH TAT (Pre-Schedule) 24. 45.         | реск 802185030 « ЭТЕХ 8260<br>RCI<br>N.O.R.M | Anions (Cl, SO4, Akalinity)<br>SAR ( ESP ( CEC<br>Metals: As Ag Ba Cd Cr Pb Hg Se   | 9001 X1 9001 X1 1441 | DW=Driving Weet SteSudoe | В<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>нови<br>но | Total #. of Containers |      |  |             |           | COC COC  |  | 년<br>1 (Yino seu dai) % 원소 1<br>전  |
| CityState/In       MD3/X  | State/Zip: Hodde Nm 86240 PO#<br>ohone No: 432 238- 6386 Fax No: 505 393-4656 Report Format: Endard TRRP<br>pler Signature: 51- 8 Analyze For: e-mail: CTGY Jof C Theorem 6 Analyze For: Analyze For:   |  | MARS NIM 88240   |  | 12600 West I-20 East<br>Odessa, Texas 79765<br>TRLW LPE Project Name:  | 2                                       |  | 1   | Project Loc          |                          |   |                        |      | 10%  | ZA          | نعا       |  | Company Addres   | -  |
| Company Address:         315         7. Лици.           Company Address:         315         7. Лици.           CityState/City:         J. J  | pany Address:     318     C.     JAHM     Project Loc:     E.A.     Country       State/Zip:     Hold & VI     BO #     PO #       State/Zip:     Hold & VI     State/Signature     PO #       State/Zip:     Hold & VI     State/Signature     PO #       State/Zip:     Hold & VI     State/Signature     PO #  | 315     E. JAYIM     Project Loc:     E.A. COUNTY A       MB&S     Non     88240     PO#       43.3     2.38r     6.386     Fax No:     505       43.3     2.38r     6.386     Fax No:     505   | 315 E. TAYLON Project Loci EEA COUNTY<br>HOBRS Now 88-240 POC  | 318 E. TAYLON Project Loci EEA COUNTY  | 12600 West I-20 East<br>Odessa, Texas 79765<br>Fax: 432-563-1713<br>Fax: 432-563-1713<br>Project Name: MW/ 9-20  | N                                       | P 030 50                                     |   | Project #            |                          |   |                        |      |  | <u>ل</u> ار | SN LP     | TAL  | Company Name   |  |
| Company Name         П. К. М. П. С. М. Ш. П. П. М. Ц. П. М.  | party Name     TALEN LPE     Project #     YMTSP 0.10 SP2       party Address:     315     E.     JAHM     Project #     YMTSP 0.10 SP2       party Address:     315     E.     JAHM     Project #     YMTSP 0.10 SP2       State/Zip:     HD&&     YMB     Project #     YMTSP 0.10 SP2     Project #       State/Zip:     HD&&     YMB     Project #     YMTSP 0.10 SP2       State/Zip:     HD&     YMB     Project #     YMMP       State/Zip:     HD&     PO #     PO #       Ohone No:     YIB     Standard     TRRP       Ohone No:     YIB     Standard     TRRP       Ohone No:     YIB     Fax No:     Sol SYB     Report Format:       Pler Signature:     D.     E-mail:     CAYIOF CTALENKER     AnalyzeFor  | TRLOW LPE     Project #:     YATTSP 0.30 SPL       318     E.     TAMM     Project #:     YATTSP 0.30 SPL       JABAS     Non     862200     PO#:     PO#:       43.3     2.382-6.386     Fax No:     505     393-4658     Roport Format:     PSandard     TRRP  | TRLWLPE Project # 24775P 030 St<br>315 E. TAYLON Project Loc: EEA COUNTY<br>HOBRS Non SB24D POE  | TRLW LPÉ Project # 194725 030 St Project Loc: E EN COUNTY  |  | Ņ                                       | 432-563-1713<br>APO #                        | £   | Project Name         | : 18                     | a, Texas 7976   | Odessi                 |      |  | tlor        | <u>la</u> | 53   | Project Manager:   |  |

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

| Client:     | Talon LPE      |  |
|-------------|----------------|--|
| Date/ Time: | 10-30 OLE 1120 |  |
| Lab ID # :  | 6330008        |  |
| Initials:   | JMM            |  |

# Sample Receipt Checklist

|     |  |       |    | Client In                | itials |
|-----|--|-------|----|--------------------------|--------|
| #1  | Temperature of container/ cooler?                      | (Yes- | No | 3.0 °C                   |        |
| #2  | Shipping container in good condition?                  | Yes S | No |                          |        |
| #3  | Custody Seals intact on shipping container/ cooler?    | Yes   | No | (Not Present)            |        |
| #4  | Custody Seals intact on sample bottles/ container?     | Ves   | No | Not Present              |        |
| #5  | Chain of Custody present?                              | (Yes) | No |                          |        |
| #8  | Sample instructions complete of Chain of Custody?      | Fes   | No |                          |        |
| #7  | Chain of Custody signed when relinquished/ received?   | (es)  | No |                          |        |
| #8  | Chain of Custody agrees with sample label(s)?          | (res) | No | ID written on Cont./ Lid |        |
| #9  | Container label(s) legible and intact?                 | Ves   | No | Not Applicable           |        |
| #10 | Sample matrix/ properties agree with Chain of Custody? | Kes > | No |                          |        |
| #11 | Containers supplied by ELOT?                           | (res) | No |                          |        |
| #12 | Samples in proper container/ bottle?                   | (Tes) | No | See Below                |        |
| #13 | Samples properly preserved?                            | (Yes) | No | See Below                |        |
| #14 | Sample bottles intact?                                 | Res   | No |                          | _1     |
| #15 | Preservations documented on Chain of Custody?          | (Yes) | No |                          |        |
| #16 | Containers documented on Chain of Custody?             | (Yes) | No |                          |        |
| #17 | Sufficient sample amount for indicated test(s)?        | Tes   | No | See Below                |        |
| #18 | All samples received within sufficient hold time?      | TES   | No | See Below                |        |
| #19 | VOC samples have zero headspace?                       | (Yes) | No | Not Applicable           |        |

# Variance Documentation

| Contact:               |    | _ Contacted by:  | Date/ Time:                                  |  |
|------------------------|----|--|--|--|
| Regarding:             |    |  |  |  |
| Corrective Action Take | n: |  | Maaraan ay ahaa ay ahaa ay ahaa ahaa ahaa ah |  |
|                        |    |  |  |  |
| Check all that Apply:  |    | See attached e-mail/ fax<br>Client understands and would like<br>Cooling process had begun short |  |  |

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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 Notifi  | icatio   | on and Co  | rrective Ac                                     | tion   | 1920   | 2122<br>Anitial Report  | <u>\</u>        |            |  |  |  |  |
|---|--|--|---|--|--|---|-----------------|------------|--|--|--|--|
|   |  | OP   | ERATOR  | \$   |  | چې<br>Initial Report  | 😽 🛛 Fir         | nal Report |  |  |  |  |
| Name of CompanyOGRID NuYATES PETROLEUM CORPORATION25575   | mber   | Contact<br>SHERRY BC   |   | 1576   | A  | Ster A  | 162             |            |  |  |  |  |
| Address<br>105 S 4 <sup>TH</sup> STREET   |  | Telephone No. 505.748.1471   |   |  |  |   |                 |            |  |  |  |  |
| Facility NameAPI NumberHUNT APO STATE 130-025-27135   |  |  |   |  |  | ous of  | E.              |            |  |  |  |  |
|   |  | TANK BAT   |   | (LEIL)   | ,<br>P,  | 7   | - <u>ku</u>     |            |  |  |  |  |
| Surface OwnerMineral OSTATESTATE  | wner   |  |   |  | Lease N  | 10.<br>99785  |                 |            |  |  |  |  |
|   | ATIC   | ON OF REL  | LEASE   |  |  |   |                 |            |  |  |  |  |
| Unit Letter Section Township Range Feet from the 21S 34E 2310   | Nortl<br>SOU   | h/South Line<br>TH   | Feet from the 660                               | East/We<br>WEST  | est Line   | County<br>LEA   |                 |            |  |  |  |  |
| () Latitude_ <u>32.</u>   | 50675  | Longitude_   | 103.48073                                       | -  |  |   |                 |            |  |  |  |  |
| NA  | TUR  | E OF RELE  |   |  |  |   |                 |            |  |  |  |  |
| Type of Release<br>PRODUCED WATER   |  | Volume of<br>15 BBL P/V  |   |  | Volume F<br>2 BBL P/   | Recovered<br>W  |                 |            |  |  |  |  |
| Source of Release<br>WATER PUMP FAILURE   |  | Date and H<br>5/2/06 PM  | our of Occurrence                               |  | Date and 5/2/06 Pl   | Hour of Disc  | overy           |            |  |  |  |  |
| Was Immediate Notice Given?   | ired   | If YES, To<br>N/A  |   | <b>I</b>   | 0,2,00 11  |   |                 |            |  |  |  |  |
| By Whom?<br>N/A   | Date and H<br>N/A  | our  |   |  |  |   |                 |            |  |  |  |  |
| Was a Watercourse Reached?  |  | lume Impacting th  | e Waterco                                       | ourse.   |  |   |                 |            |  |  |  |  |
| If a Watercourse was Impacted, Describe Fully.*<br>N/A<br>Describe Cause of Problem and Remedial Action Taken.*<br>RELEASE WAS CAUSED BY CORROSION ON INSIDE OF 3" L<br>AND SHUT DOWN EQUIPMENT. VACUUM TRUCK AND CRE   |  |  |   | SING A F   |  | PIPE. PUMI  | PER SHUT IN     | N WELL     |  |  |  |  |
| WITHIN THE BERMED AREA. VACUUM TRUCK AND CREW<br>DEPTH TO GROUND WATER: >100'; WELLHEAD PROTEC<br>RANKING: <u>0.</u><br><u>FINAL REPORT. REQUESTING CLOSURE TO INCIDENT.</u>  | HOLE IN PIPE RESULTED IN PRODUCED WATER RELEASE AFFECTING APPROXIMATELY 20' X 15' AREA. ALL FLUIDS WERE CONTAINED WITHIN THE BERMED AREA. VACUUM TRUCK AND CREW CALLED IN TO VACUUM STANDING FLUIDS.<br>DEPTH TO GROUND WATER: >100'; WELLHEAD PROTECTION AREA: NO; DISTANCE TO SURFACE WATER BODY: >1000'. SITE RANKING: <u>0</u> . |  |   |  |  |   |                 |            |  |  |  |  |
| I hereby certify that the information given above is true and complete<br>all operators are required to report and/or file certain release notificat<br>environment. The acceptance of a C-141 report by the NMOCD mar<br>failed to adequately investigate and remediate contamination that poss<br>NMOCD acceptance of a C-141 report does not relieve the operator of | d perform corre<br>"Final Report" d<br>at to ground wa   | ctive actions for re<br>loes not relieve the<br>ter, surface water,<br>npliance with any | leases wh<br>operator<br>human he<br>other fede | ich may e<br>of liabilit<br>ealth or the<br>eral, state, | endanger publ<br>y should their<br>e environmen<br>or local laws | ic health or the operations health or the operations head to be addition and/or regulation of the operation | he<br>ave<br>n. |            |  |  |  |  |
| Signature Sherry Bonham   |  |  |   |  |  | Approved by District Supervisor:  |                 |            |  |  |  |  |
| Title: Environmental Regulatory Agent   |  | Approval Date  | 5.4.07  | E  | xpiration  | Date: —   |                 |            |  |  |  |  |
| E-mail Address: sherryb@ypcnm.com   |  | Conditions of  |   |  |  | Attached  |                 |            |  |  |  |  |
| Date: January 22, 2007 Phone: 505.748.147   | 1  | FUTURE   | SAMPLE 3  | Sel D MI   | TACS   | :   |                 |            |  |  |  |  |
| * Attach Additional Sheets If Necessary   |  | WILL TR<br>FORM E  | CEQUIRE -                                       | TABL   | E  | 4   | ?P#,            | 1187       |  |  |  |  |