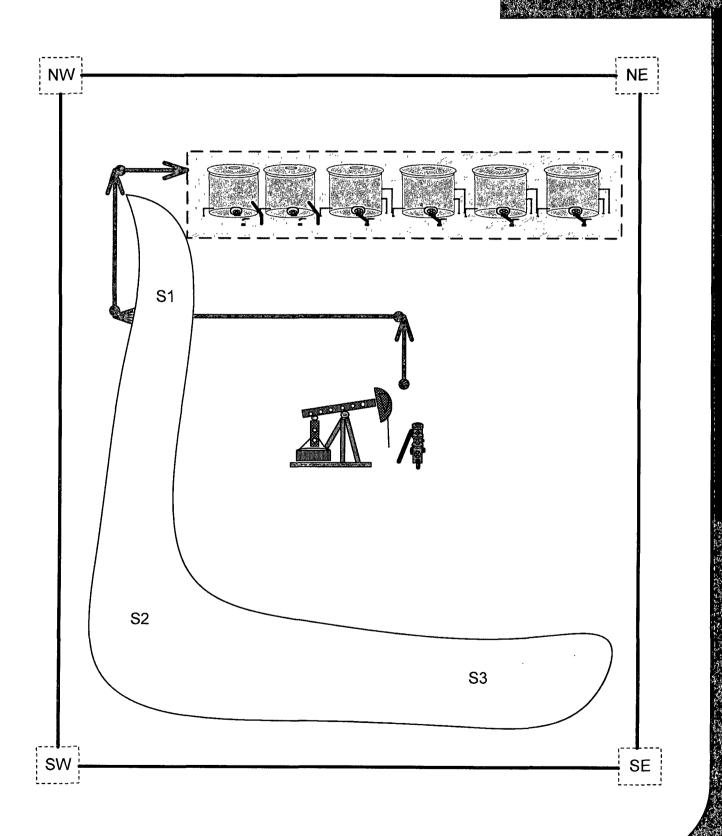
# YATES PETROLEUM CORPORATION

Wednesday, August 01, 2012



| Analytical Report- | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|--------------------|-------------|-------|------|-----|-----|-------|-----------|
| S1 2'              | 7/31/2012   | 2'    | ND   | ND  | ND  | ND    | ND        |
| S1 4'              | 7/31/2012   | 4'    | ND   | ND  | ND  | ND    | ND        |
| S1 6'              | 7/31/2012   | 6'    | ND   | ND  | ND  | ND    | 208       |
| S1 8'              | 7/31/2012   | 8'    | ND   | ND  | ND  | ND    | 560       |
| S2 2'              | 7/31/2012   | 2'    | ND   | ND  | ND  | ND    | ND        |
| S2 4'              | 7/31/2012   | 4'    | ND   | ND  | DN  | ND    | 16        |
| S2 6'              | 7/31/2012   | 6'    | ND   | ND  | ND  | ND    | 16        |
| S2 8'              | 7/31/2012   | 8'    | ND   | ND  | ND  | ND    | 32        |
| S3 2'              | 7/31/2012   | 2'    | ND   | ND  | ND  | ND    | ND        |
| S3 4'              | 7/31/2012   | 4'    | ND   | ND  | ND  | ND    | ND        |
| S3 6'              | 7/31/2012   | 6'    | ND   | ND  | ND  | ND    | 32        |
| S3 8'              | 7/31/2012   | 8'    | ND   | ND  | ND  | ND    | 16        |

Site Ranking is Ten (10). Depth to Ground Water <100' (approx. 65', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 500 B/PW; Recovered: 445 B/PW. Release Date: 7/17/2012

6"-1' has been excevated - mes



August 01, 2012

JEREMY HAASS
Yates Energy Petroleum Corp
105 S 4th Street
Artesia, NM 88210

RE: PINOCHLE 'BNP' STATE COM #2H

Enclosed are the results of analyses for samples received by the laboratory on 07/31/12 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

(505) 748-4635 Fax To:

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: S1 2' (H201766-01)

| BTEX 8021B                           | mg,    | /kg             | Analyze         | d By: AP     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                             | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 102    | % 89 4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: AP |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                         | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate: 1-Chlorooctane            | 93.9   | % 65.2-14       | 0               | ·····        |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 94 4   | % 63.6-15-      | 4               |              |      |            |               |       |           |

Cardinal Laboratories

\*=Accredited Analyte

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Celeg & Keene



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

Soil

08/01/2012

Sampling Type:

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number: Project Location: 30-015-38316 EDDY COUNTY, NM Sample Received By:

Jodi Henson

# Sample ID: S1 4' (H201766-02)

| BTEX 8021B                          | mg/l   | kg              | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 100 %  | 6 . 89 4-12     | 5               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                | mg/kg  |                 | Analyzed By: AP |              |      |            |               |       | <u> </u>  |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | <16.0  | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/l   | (g              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 95 4 % | 65 2-140        | )               |              |      |            |               |       | 1         |
| Surrogate 1-Chlorooctadecane        | 9869   | 63 6-15-        | 1               |              |      |            |               |       |           |

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Celey & Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

o: (505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: S1 6' (H201766-03)

| BTEX 8021B                          | mg,    | /kg             | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 100    | % 89 4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                | mg/kg  |                 | Analyzed By: AP |              |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | 208    | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 100 9  | % 65 2-14       | 0               |              |      |            |               |       |           |
| Surrogate. 1-Chlorooctadecane       | 104 9  | % 63.6-15       | 4               |              |      |            |               |       |           |

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Celeg D. Keene



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

# Sample ID: S1 8' (H201766-04)

| BTEX 8021B                          | mg/    | kg              | Analyze         | d By: AP     | <del></del> |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|-------------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS          | % Recovery | True Value QC | RPD   | Qualifie  |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83        | 91.6       | 2,00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90        | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92        | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78        | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 99 8 9 | % 89 4-12       | 6               |              |             |            |               |       |           |
| Chloride, SM4500CI-B                | mg/kg  |                 | Analyzed By: AP |              |             |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS          | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | 560    | 16.0            | 07/31/2012      | ND           | 416         | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/    | kg              | Analyze         | d By: MS     |             |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS          | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189         | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192         | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 9109   | % 65 2-14       | )               |              |             |            |               |       |           |
| Surrogate: 1-Chlorooctadecane       | 92.8 9 | % 63 6-15       | 4               |              |             |            |               |       |           |

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Celeg & Kune



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Project Number:

30-015-38316

Sampling Condition:

Cool & Intact

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: S2 2' (H201766-05)

| BTEX 8021B                          | mg/     | kg              | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050  | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | < 0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050  | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150  | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 100 %   | % 89.4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                | mg/     | kg              | Analyzed By: AP |              |      |            |               |       |           |
| Analyte                             | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | <16.0   | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/     | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0   | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0   | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate: 1-Chlorooctane           | 94.5 9  | % 65.2-14       | o               | 14.44        |      |            |               |       |           |
| Surrogate 1-Chlorooctadecane        | 99 7 9  | % 63 6-15       | 4               |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: S2 4' (H201766-06)

| BTEX 8021B                          | mg/    | kg              | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 98 7   | % 89 4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                | mg/    | kg              | Analyzed By: AP |              |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | 16.0   | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 90 5 9 | 65.2-14         | 0               |              |      |            |               |       |           |
| Surrogate 1-Chlorooctadecane        | 9669   | 63 6-15         | 4               |              |      |            |               |       |           |

#### Cardinal Laboratories

\*=Accredited Analyte

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All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in whiting and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories

Celey D. Keene



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

(505) 748-4635 Fax To:

Received: Reported: 07/31/2012

08/01/2012

Project Name: Project Number: PINOCHLE 'BNP' STATE COM #2H

30-015-38316

Project Location:

EDDY COUNTY, NM

Sampling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

07/31/2012

Jodi Henson

Sample ID: S2 6' (H201766-07)

| BTEX 8021B                          | mg,    | /kg             | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 98.1   | % 89.4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                | mg/    | 'kg             | Analyzed By: AP |              | _    |            | <u></u>       |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | 16.0   | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/    | 'kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 84 2 : | % 65.2-14       | 0               |              |      |            |               |       |           |
| Surrogate 1-Chlorooctadecane        | 94 2   | % 63 6-15       | 4               |              |      |            |               |       |           |

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Celey D. Kune



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

Sampling Type:

Soil

08/01/2012

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: S2 8' (H201766-08)

| BTEX 8021B                           | mg,    | /kg             | Analyze         | d By: AP     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                             | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate. 4-Bromofluorobenzene (PIL | 97 8   | % 89.4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyzed By: AP |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                         | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane             | 93 4   | % 65.2-14       | 0               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 97 1   | % 63 6-15       | 4               |              |      |            |               |       |           |

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\*=Accredited Analyte

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Celey D. Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: S3 2' (H201766-09)

| BTEX 8021B                          | mg/    | kg              | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 98.7   | % 89.4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                | mg/    | kg              | Analyzed By: AP |              |      | •          |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | <16.0  | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 85 4 5 | % 65.2-14       | 0               |              |      |            |               |       |           |
| Surrogate 1-Chlorooctadecane        | 87 0 5 | % 63 6-15       | 4               |              |      |            |               |       |           |

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Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

00/01/2012

Sampling Type.

Cool & Intact

Project Name.

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: S3 4' (H201766-10)

| BTEX 8021B                          | mg,    | /kg             | Analyze         | d By: AP     |      |            |               |       |           |
|-------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.83 | 91.6       | 2.00          | 3.14  |           |
| Toluene*                            | <0.050 | 0.050           | 07/31/2012      | ND           | 1.90 | 95.2       | 2.00          | 1.99  |           |
| Ethylbenzene*                       | <0.050 | 0.050           | 07/31/2012      | ND           | 1.92 | 95.9       | 2.00          | 1.60  |           |
| Total Xylenes*                      | <0.150 | 0.150           | 07/31/2012      | ND           | 5.78 | 96.4       | 6.00          | 0.852 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 97.3   | % 89.4-12       | б               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                | mg,    | /kg             | Analyzed By: AP |              |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                            | <16.0  | 16.0            | 07/31/2012      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                           | mg,    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                             | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                          | <10.0  | 10.0            | 08/01/2012      | ND           | 189  | 94.6       | 200           | 2.42  |           |
| DRO >C10-C28                        | <10.0  | 10.0            | 08/01/2012      | ND           | 192  | 95.9       | 200           | 5.37  |           |
| Surrogate 1-Chlorooctane            | 96 0   | % 65 2-14       | 0               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane       | 988    | % 63 6-15       | 4               |              |      |            |               |       |           |

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Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition:

Cool & Intact

Project Number:

30-015-38316

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: S3 6' (H201766-11)

| BTEX 8021B                          | mg/     | kg              | Analyze    | d By: AP     |      | ·          |               |      |           |
|-------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                             | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                            | <0.050  | 0.050           | 08/01/2012 | ND           | 1.78 | 89.2       | 2.00          | 6.39 |           |
| Toluene*                            | < 0.050 | 0.050           | 08/01/2012 | ND           | 1.85 | 92.7       | 2.00          | 5.31 |           |
| Ethylbenzene*                       | <0.050  | 0.050           | 08/01/2012 | ND           | 1.87 | 93.6       | 2.00          | 5.09 |           |
| Total Xylenes*                      | <0.150  | 0.150           | 08/01/2012 | ND           | 5.64 | 94.0       | 6.00          | 4.41 |           |
| Surrogate 4-Bromofluorobenzene (PIL | 99.5    | % 89 4-12       | 6          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                | mg/     | kg              | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                             | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                            | 32.0    | 16.0            | 07/31/2012 | ND           | 416  | 104        | 400           | 3.92 |           |
| TPH 8015M                           | mg/     | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                             | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                          | <10.0   | 10.0            | 08/01/2012 | ND           | 189  | 94.6       | 200           | 2.42 |           |
| DRO >C10-C28                        | <10.0   | 10.0            | 08/01/2012 | ND           | 192  | 95.9       | 200           | 5.37 |           |
| Surrogate 1-Chlorooctane            | 9299    | % 65 2-14       | 0          |              |      |            |               |      |           |
| Surrogate 1-Chlorooctadecane        | 9709    | 63.6-15         | 4          |              |      |            |               |      |           |

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Celey D. Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

07/31/2012

Sampling Date:

07/31/2012

Reported:

08/01/2012

Sampling Type:

Soil

Project Name:

PINOCHLE 'BNP' STATE COM #2H

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location: 30-015-38316

EDDY COUNTY, NM

Sample ID: S3 8' (H201766-12)

| BTEX 8021B                           | mg/                          | kg              | Analyze    | d By: AP     |      |            |               |      |           |
|--------------------------------------|------------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result                       | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050                       | 0.050           | 08/01/2012 | ND           | 1.78 | 89.2       | 2.00          | 6.39 |           |
| Toluene*                             | <0.050                       | 0.050           | 08/01/2012 | ND           | 1.85 | 92.7       | 2.00          | 5.31 |           |
| Ethylbenzene*                        | <0.050                       | 0.050           | 08/01/2012 | ND           | 1.87 | 93.6       | 2.00          | 5.09 |           |
| Total Xylenes*                       | <0.150                       | 0.150           | 08/01/2012 | ND           | 5.64 | 94.0       | 6.00          | 4.41 |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 101 % 89.4-12                |                 | 6          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/                          | kg              | Analyze    | d By: AP     |      |            |               |      |           |
| Analyte                              | Result                       | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 16.0                         | 16.0            | 07/31/2012 | ND           | 416  | 104        | 400           | 3.92 |           |
| TPH 8015M                            | mg/                          | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | alyte Result Reporting Limit |                 | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0                        | 10.0            | 08/01/2012 | ND           | 189  | 94.6       | 200           | 2.42 |           |
| DRO >C10-C28                         | <10.0                        | 10.0            | 08/01/2012 | ND           | 192  | 95.9       | 200           | 5.37 |           |
| Surrogate: 1-Chlorooctane            | 95 8 % 65 2                  |                 | 0          |              |      | . ,        |               |      |           |
| Surrogate. 1-Chlorooctadecane 99 0 % |                              | % 63 6-15       | 4          |              |      |            |               |      |           |

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Celey & Keine



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey & Keene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: YPC  | BILL TO   | ANALYSIS REQUEST                                 |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|--|
| Project Manager: Jecorn Hans S   | P.O. #: 103-2636  |  |  |  |  |  |  |  |  |  |  |
| Address  | Company: YPC  |  |  |  |  |  |  |  |  |  |  |
| City: Actesia State: NM Zip: 88210   | Attn: Jecon 1 - 055   |  |  |  |  |  |  |  |  |  |  |
| Phone #: Fax #:  | Address:  |  |  |  |  |  |  |  |  |  |  |
| Project #: 30-05-38316 Project Owner: John Hans  | City: Actesia   |  |  |  |  |  |  |  |  |  |  |
| Project #: 30-05-38316 Project Owner: John Hanss<br>Project Name: Project Name: BNP' State Com #2H   | State: (1 M Zip: \$8210   |  |  |  |  |  |  |  |  |  |  |
| Project Location: EJJY   | Phone #:  |  |  |  |  |  |  |  |  |  |  |
| Sampler Name: Jecony Hones 5   | Fax #:  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY MATRIX  | PRESERV. SAMPLING   |  |  |  |  |  |  |  |  |  |  |
| COOMPERS STER  | 1 3   |  |  |  |  |  |  |  |  |  |  |
|  | MER.  BTEX  BTEX  |  |  |  |  |  |  |  |  |  |  |
| Lab I.D. Sample I.D. Sould # CONTAIN SOUL   1010    | OTHER. OTHER. OTHER. CALSC  |  |  |  |  |  |  |  |  |  |  |
| H201764 (3) # VN V V V V V V V V V V V V V V V V V   | ACIDIA STATE SIME STATE |  |  |  |  |  |  |  |  |  |  |
| $S_1$ $S_2$ $S_3$ $S_4$  | 1 X 73 IZ:50 X X X  | +  |  |  |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |  |  |  |
| 3 <u>S1 (</u> '<br>4 <u>S1 8</u> '   |   |  |  |  |  |  |  |  |  |  |  |
| 5 52 2'  | X   |  |  |  |  |  |  |  |  |  |  |
| 6 52 4'<br>7 57 6'   | <u> </u>  |  |  |  |  |  |  |  |  |  |  |
| 1 S2 6'  | X;  |  |  |  |  |  |  |  |  |  |  |
| 46 52 8' ×   |   | <del>                                     </del> |  |  |  |  |  |  |  |  |  |
| $\frac{4}{10}$ $\frac{53}{53}$ $\frac{2}{4}$   |   |  |  |  |  |  |  |  |  |  |  |
| PLEASE NOTE. Lieb kly and Dameyes. Cold rish sability and client's exclusive remany for any craim arising whether based in cond  |   |  |  |  |  |  |  |  |  |  |  |
| analyses. All claims including those for negligence and any other cause whatsoever shall be deemed wared unless in ade in writing service. In no event shall Cardinal be bable for incidental or consequential damages, including content hindapan, business internation.  | loss of use, or loss of profits incurred by cheru, its substitianes   |  |  |  |  |  |  |  |  |  |  |
| Attilises or surrecesare arising out of or related to the performance of services hereunder by Cardinal, regardless of officines such clair Relinquished By:  Date: Received By:   | . Phone Result: D.Yes D. No   | Add'l Phone #:                                   |  |  |  |  |  |  |  |  |  |
| 73   | Fax Result: Yes No REMARKS:   | Add'l Fax #:                                     |  |  |  |  |  |  |  |  |  |
| Relinquished By: Time: \2 SO Received By:  | 10 M(D) 57 / C  |  |  |  |  |  |  |  |  |  |  |
|  | PUSH!!  |  |  |  |  |  |  |  |  |  |  |
| Time:  | ,   |  |  |  |  |  |  |  |  |  |  |
| Delivered By: (Circle One) Sample Cond.  | Indiale)  | Á  |  |  |  |  |  |  |  |  |  |
| Sampler - UPS - Bus - Other:  30   Cool Intact   PYes   Cool   Intact   No   Cool   Intact   Pyes   Cool   Intact   No   Cool   Intact   Pyes   Pyes   Cool   Intact   Pyes   Pye | es dintials) Verters evin   | all.   |  |  |  |  |  |  |  |  |  |
|  | / / /   |  |  |  |  |  |  |  |  |  |  |

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CARDINAL Laboratories

| Company Name:  |  |   |   |                       |           |                    |                        | BII                   | LLTO                                      |   | 3  |                |             | <del></del> | ANA | LYSIS          | S RE | QUE | ST                         | <del></del>                           |  |
|--|--|---|---|-----------------------|-----------|--------------------|------------------------|-----------------------|---|---|--|----------------|-------------|-------------|-----|----------------|------|-----|----------------------------|---------------------------------------|--|
| Project Manager:   | :  |   |   |                       | (         | P.C                | . #:                   |                       |   | <del></del>   |  |                | Ī           | T           | T   |                |      |     |                            |                                       |  |
| Address:   |  |   |   |                       |           | Çoı                | npan                   | y:                    |   |   | 1  |                |             |             |     |                | '    | 1   |                            |                                       |  |
| Citý:  | State:                                     | Zip:  |   |                       |           | Atti               | 1:                     |                       |   |   |  | ŀ              |             |             |     |                |      |     |                            |                                       |  |
| Phone #: Fax #:  |  |   |   |                       | Address:  |                    |                        |                       |   |   | .] :   |                |             |             |     |                |      |     |                            |                                       |  |
| The state of the s |  |   |   |                       | City:     |                    |                        |                       |   |   |  |                | 1           |             |     |                |      |     |                            |                                       |  |
| Project Name:  |  |   |   | State: Zip:           |           |                    |                        |                       |   | 1   |  |                |             |             |     |                |      |     |                            |                                       |  |
| Project Location   | :  |   |   |                       | ,         | Pho                | one #                  | :                     |   |   | ٠,   |                |             |             |     |                | ľ    |     | İ                          |                                       |  |
| Sampler Name:  |  |   | <del> </del>                                      | **********            | _         | Fax #:             |                        |                       |   | 1   | 1.   | <b> </b> .     | ].          | 1.          |     |                | l    |     |                            | i l                                   |  |
|  | Sample I.D.                                | (G)RAB OR (C)OMP.                                     | GROUNDWATER                                       | MATT                  | GE        |                    | KES COD/BASE.          |                       | DATE                                      | TIME  | THE NAME OF THE PARTY OF THE PA |                | XX Chlarles |             |     |                |      |     |                            |                                       |  |
| analyses All claims including<br>service. In no event shall Car  | Time: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | be deemed wanding without limit<br>by Cardinal regard | ed unless<br>ation, obsin<br>rates of w<br>ved By | made in v             | titng and | irecely<br>loss of | red by Ca<br>Lse or ic | erdinal w<br>essol pr | ithin 30 days afte<br>ofits incurred by c | completion of fi<br>dient, its subsidial<br>asons of otherwi-<br>Phone Re<br>Fax Resul<br>REMARKS | he applic<br>anes.<br>se<br>sult:<br>lt:   | ablo ☐ Ye ☐ Ye | s C         | No<br>No    |     | Phone<br>Fax#: | #:   |     | - deposition of the second | , , , , , , , , , , , , , , , , , , , |  |
| Delivered By:<br>Sampler - UPS   | •  | 3   | o Co  | mple Cool / Ir<br>Yes | tact/     | i                  | CI                     | HECK<br>(Hait         | ED BY:                                    |   | ,  |                |             |             |     |                |      |     |                            |                                       |  |