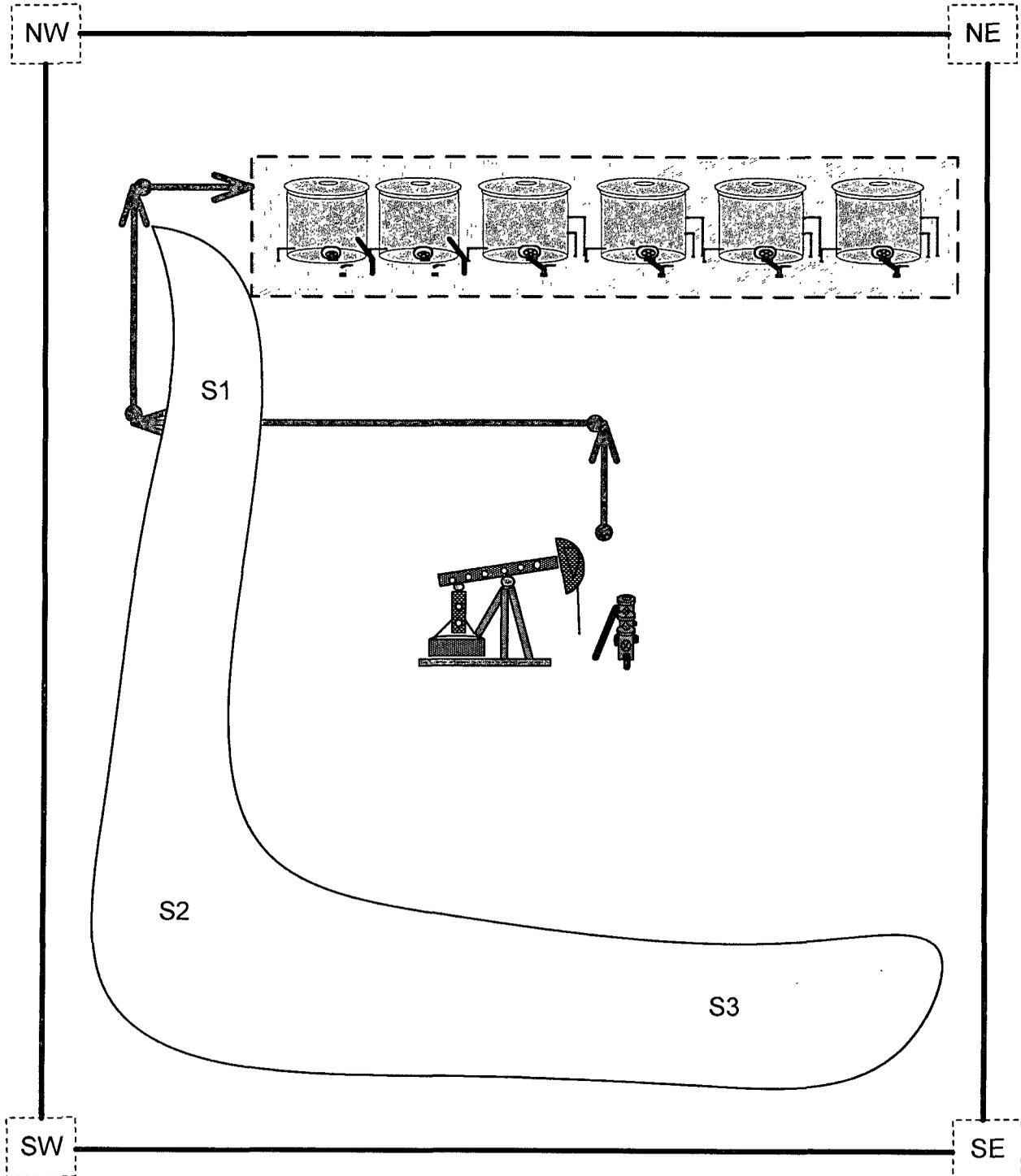


YATES PETROLEUM CORPORATION

Wednesday, August 01, 2012



| Analytical Report: H201766 | 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 | ND | 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 excavated - MLB

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

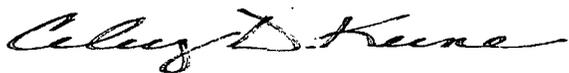
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| 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.

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

Analytical Results For:

 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 2' (H201766-01)

| BTEX 8021B | | mg/kg | | Analyzed 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 (PIC) 102 % 89 4-126

| 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 | | Analyzed 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 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 4' (H201766-02)

| BTEX 8021B | | mg/kg | | Analyzed 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 (PIC) 100 % .89 4-126

| 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 | | Analyzed 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 | | |

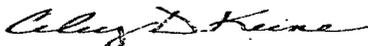
Surrogate 1-Chlorooctane 95.4 % 65.2-140

Surrogate 1-Chlorooctadecane 98.6 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 6' (H201766-03)

| BTEX 8021B | | mg/kg | | Analyzed 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 4-126

| 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 | | Analyzed 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 | | |

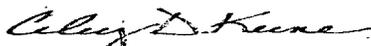
Surrogate 1-Chlorooctane 100 % 65 2-140

Surrogate 1-Chlorooctadecane 104 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 | | Analyzed 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 (PIC) 99.8% 89 4-126

| Chloride, SM4500Cl-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 | | Analyzed 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 | | |

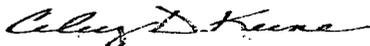
Surrogate 1-Chlorooctane 91.0% 65 2-140

Surrogate 1-Chlorooctadecane 92.8% 63 6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 2' (H201766-05)

| BTEX 8021B | | mg/kg | | Analyzed 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 (PIE) 100 % 89.4-126

| 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 | | Analyzed 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 % 65.2-140

Surrogate 1-Chlorooctadecane 99.7 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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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: S2 4' (H201766-06)

| BTEX 8021B | | mg/kg | | Analyzed 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 (PIC) 98.7% 89.4-126

| 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 | | Analyzed 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 | |

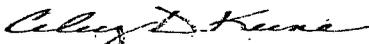
Surrogate 1-Chlorooctane 90.5% 65.2-140

Surrogate 1-Chlorooctadecane 96.6% 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 6' (H201766-07)

| BTEX 8021B | | mg/kg | | Analyzed 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 % 89.4-126

| 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 | | Analyzed 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 | | |

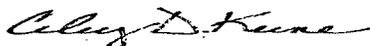
Surrogate 1-Chlorooctane 84.2 % 65.2-140

Surrogate 1-Chlorooctadecane 94.2 % 63.6-154

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*=Accredited Analyte

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Analytical Results For:

 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 8' (H201766-08)

| BTEX 8021B | | mg/kg | | Analyzed 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 (PIE) 97.8 % 89.4-126

| Chloride, SM4500Cl-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 | | Analyzed 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 | |

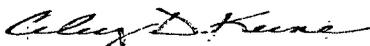
Surrogate 1-Chlorooctane 93.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.1 % 63.6-154

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 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 2' (H201766-09)

| BTEX 8021B | | mg/kg | | Analyzed 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 (PIC) 98.7 % 89.4-126

| 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 | | |

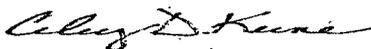
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| 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 % 65.2-140
Surrogate 1-Chlorooctadecane 87.0 % 63.6-154

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 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 4' (H201766-10)

| BTEX 8021B | | mg/kg | | Analyzed 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 % 89.4-126

| 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 | | Analyzed 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 % 65.2-140

Surrogate 1-Chlorooctadecane 98.8 % 63.6-154

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 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 | | Analyzed 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 (PIC) 99.5 % 89 4-126

| 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 | | Analyzed 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 | | |

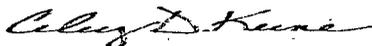
Surrogate 1-Chlorooctane 92.9 % 65 2-140

Surrogate 1-Chlorooctadecane 97.0 % 63.6-154

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 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 8' (H201766-12)

| BTEX 8021B | | mg/kg | | Analyzed 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 % 89.4-126

| 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 | | Analyzed 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 | |

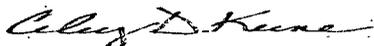
Surrogate: 1-Chlorooctane 95.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.0 % 63.6-154

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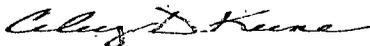
Notes and Definitions

- 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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