

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109



FOR OGCC USE ONLY

SPILL/RELEASE REPORT

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

Spill report taken by:

FACILITY ID:

OPERATOR INFORMATION

| | | |
|---|--|--------------------------|
| Name of Operator: <u>Kerr-McGee Oil and Gas Onshore, LP</u> | OGCC Operator No: <u>47120</u> | Phone Numbers |
| Address: <u>1099 18th Street, Suite 1800</u> | | No: <u>970-515-1161</u> |
| City: <u>Denver</u> | State: <u>CO</u> Zip: <u>80202</u> | Fax: <u>720-929-7726</u> |
| Contact Person: <u>Phillip Hamlin</u> | Email: <u>phil.hamlin@anadarko.com</u> | |

DESCRIPTION OF SPILL OR RELEASE

| | | |
|--|---|--|
| Date of Incident: <u>4/10/2014</u> | Facility Name & No: <u>Hanks Pooling Unit 1</u> | County: <u>Weld</u> |
| Type of Facility (well, tank battery, flow line, pit): <u>Production facility</u> | QtrQtr: <u>SWSW</u> | Section: <u>34</u> |
| Well Name and Number: <u>Hanks Pooling Unit 1</u> | Township: <u>2N</u> | Range: <u>67W</u> |
| API Number: <u>05-123-07246</u> | Meridian: <u>6th</u> | |
| Specify volume spilled and recovered (in bbls) for the following materials: | | |
| Oil spilled: <u>Unknown</u> | Oil recov'd: <u>0</u> | Water spilled: <u>Unknown</u> Water recov'd: <u>0</u> Other spilled: <u>0</u> Other recov'd <u>0</u> |
| Ground Water impacted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | Surface Water impacted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Contained within berm? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Area and vertical extent of spill: <u>15' N-S x 35' E-W</u> x <u>5' bgs</u> | |
| Current land use: <u>Rural residential</u> | Weather conditions: <u>50 degrees</u> | |
| Soil/geology description: <u>Silt with sand</u> | | |
| IF LESS THAN A MILE, report distance IN FEET to nearest ... Surface water: <u>~130' NE</u> Wetlands: <u>NA</u> Buildings: <u>~400' W</u> | | |
| Livestock: <u>Unknown</u> Water wells: <u>~1,240' N</u> Depth to shallowest ground water: <u>4'</u> | | |
| Cause of spill (e.g. equipment failure, human error, etc.): <u>Historical</u> | Detailed description of the spill/release incident: | |
| On April 10, 2014, during tank battery plugging and abandonment activities, historical petroleum hydrocarbon impacts were encountered beneath the produced water sump. There were no indications that the dump lines, water tank, or fittings were leaking. The volume of the release is unknown. A topographic map of the site is included as Figure 1. | | |

CORRECTIVE ACTION

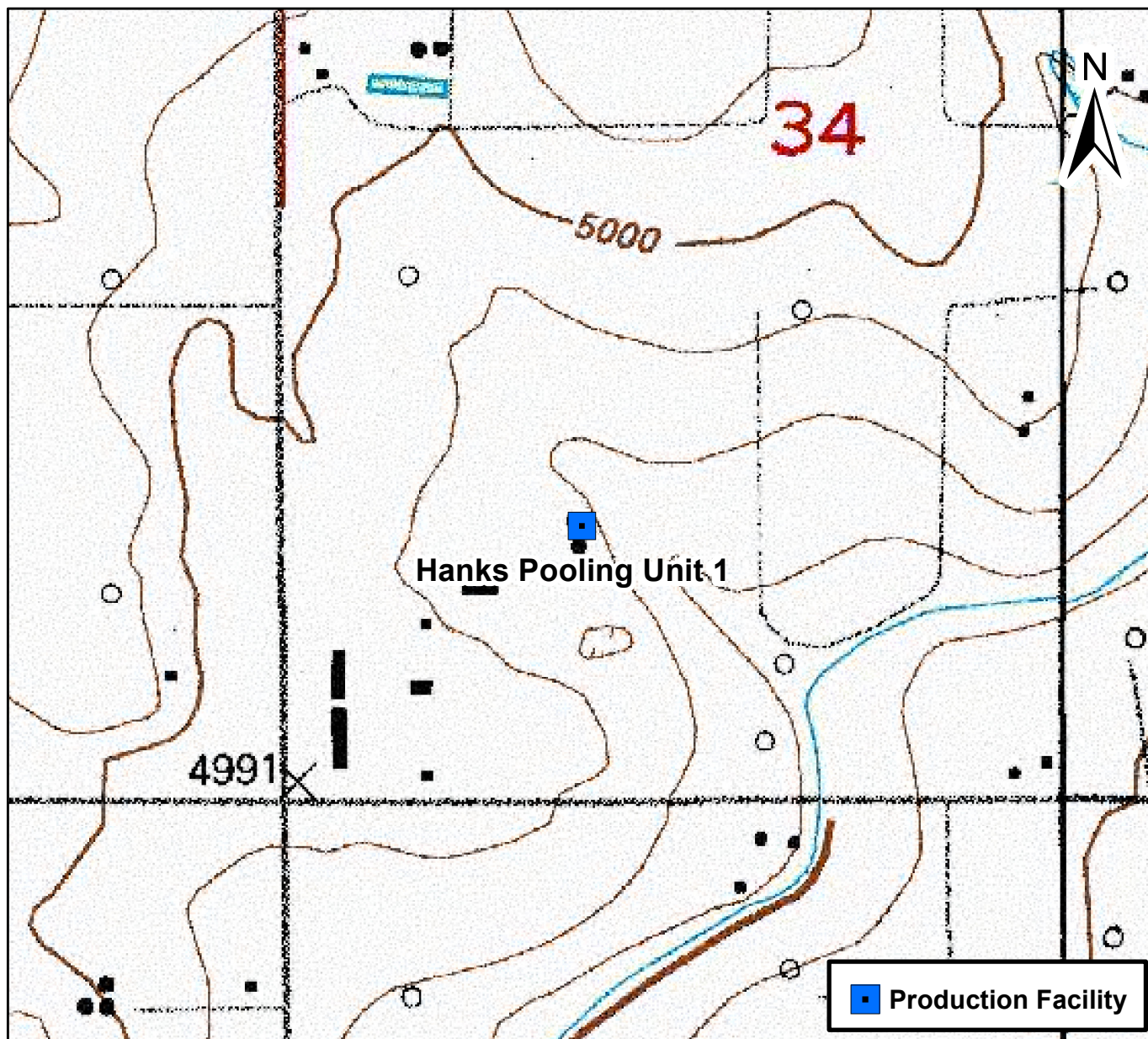
| |
|---|
| Describe immediate response (how stopped, contained and recovered): The tanks and all of the associated lines were cleaned in preparation for decommissioning. Approximately 140 cubic yards of impacted soils were excavated and transported to the Front Range Regional Landfill in Erie, Colorado. The location and final extent of the excavation is illustrated on Figure 2. |
| Describe any emergency pits constructed: NA |
| How was the extent of contamination determined? Soil samples were collected from the sidewalls of the excavation at approximately 3 feet below ground surface (bgs) and submitted to eAnalytics Laboratory in Loveland, Colorado for laboratory analysis of BTEX and TPH. Laboratory results from the confirmation sidewall samples indicate concentrations above the applicable COGCC Table 910-1 standards on the north, south and east sidewalls. Additional hydrovacating and excavation activities will help to further identify the extent and magnitude of soil contamination. Three soil samples (DL01@3' - DL03@3') were also collected from beneath an exposed dump line and submitted for analysis of BTEX and TPH. DL01@3' - DL03@3' exhibited concentrations of BTEX and TPH below the applicable COGCC Table 910 standards. Groundwater was encountered in the excavation at approximately 4 feet bgs. A groundwater sample (GW01) was collected on April 10, 2014 for laboratory analysis of BTEX. Analytical results for sample GW01, received on April 11, 2014, indicated concentrations of benzene at 1,745 ug/L and total xylenes at 1,851 ug/L, exceeding the Colorado Groundwater Quality Standards (CGWQS). Three surface water samples, upstream (SW01), midstream (SW02) and downstream (SW03) of the excavation, were collected from a drainage area approximately 130 feet to the east of the existing excavation. Samples SW01 - SW03 were submitted for analysis of BTEX and exhibited concentrations below the applicable Colorado Basic Standards for Surface Water (CBSSW). A summary of soil sample analytical data is presented in Table 1, groundwater sample analytical data is presented in Table 2 and surface water analytical data is presented in Table 3. Soil, groundwater, and surface water sample locations and the final excavation extent are depicted on Figure 2. |
| Further remediation activities proposed (attach separate sheet if needed): A subsurface assessment will be completed to define the extent and magnitude of the soil and groundwater impacts. Data from the assessment will be provided in a Form 27. |
| Describe measures taken to prevent problem from reoccurring: The well is being plugged and abandoned and tank battery will be removed. |

OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

| Date | Agency | Contact | Phone | Response |
|-----------|---------------------|----------------------------|-------|----------|
| 4/11/2014 | County/Municipality | Roy Rudisill (Weld County) | Email | |
| 4/11/2014 | County/Municipality | Tom Parko (Weld County) | Email | |
| | | | | |
| | | | | |
| | | | | |

Spill/Release Tracking No: _____



0 750 1,500 Feet



Figure 1

Site Location Map
Hanks Pooling Unit 1
SWSW S34 T2NR67W
Weld County, Colorado

Drawn By: DBA
Date: 04/17/2014











| | | | | | |
|------------------|--|---|--|---|--|
| PROJECT NO: | Kerr McGee Oil and Gas Onshore, LP HANKS POOLING UNIT 1 SWSW S34 T2N R67W Weld County, CO |  6899 Pecos St., Unit C Denver, CO 80221 | LEGEND  Earthen Berm  Excavation Extent  Soil Sample Location |  Surface water Sample Location  Groundwater Sample Location  Approximate area of release  Approximate dump line location | FIGURE 2 SITE AND SAMPLE LOCATION Approximate Scale: 1"=20' |
| DRAWN BY: JRRB | | | | | |
| DATE: 04/16/2014 | | | | | |

TABLE 1
HANKS POOLING UNIT 1
SOIL SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

| Sample ID | Date Sampled | Depth (Feet bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | TVPH - GRO (mg/kg) | TEPH - DRO + ORO (mg/kg) |
|----------------------------------|--------------|------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------------|
| N01@3' | 4/10/2014 | 3 | <0.01 | <0.01 | 0.295 | 2.15 | 217 | 55.1 |
| S01@3' | 4/10/2014 | 3 | 0.482 | <0.01 | 1.86 | 16.1 | 479 | 122 |
| E01@3' | 4/10/2014 | 3 | 0.397 | <0.01 | 1.63 | 0.535 | 248 | 128 |
| W01@3' | 4/10/2014 | 3 | <0.01 | <0.01 | <0.01 | 0.145 | 97.7 | <50 |
| DL01@3' | 4/10/2014 | 3 | 0.072 | <0.01 | 0.022 | 0.386 | <50 | <50 |
| DL02@3' | 4/10/2014 | 3 | <0.01 | <0.01 | <0.01 | <0.01 | <50 | <50 |
| DL03@3' | 4/10/2014 | 3 | <0.01 | <0.01 | <0.01 | <0.01 | <50 | <50 |
| S02@3' | 4/18/2014 | 3 | 0.879 | <0.01 | 4.44 | 34.9 | 579 | 58.8 |
| S03@3' | 4/18/2014 | 3 | 0.208 | <0.01 | 2.49 | 25.5 | 627 | 142 |
| N02@3' | 4/18/2014 | 3 | 6.64 | <0.01 | 20 | 206 | 3,583 | 240 |
| N03@3' | 4/18/2014 | 3 | 0.250 | <0.01 | 4.51 | 63.2 | 955 | 234 |
| E02@3' | 4/18/2014 | 3 | 0.109 | <0.01 | 2.88 | 44.9 | 468 | 278 |
| COGCC standards for Soil (mg/kg) | | | 0.17 | 85 | 100 | 175 | 500 | |

Notes:

TVPH - GRO: Total volatile petroleum hydrocarbons - Gasoline Range Organics

TEPH - DRO: Total extractable petroleum hydrocarbons - Diesel Range Organics

TEPH - ORO: Total extractable petroleum hydrocarbons - Oil Range Organics

mg/kg= Milligrams per kilogram. bgs - Below ground surface.

Bold values indicate an exceedance of the COGCC soil standards for the Site.

TABLE 2
HANKS POOLING UNIT 1
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

| Sample ID | Date Sampled | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Total Xylenes (ug/L) |
|---------------------|--------------|-------------------|-------------------|------------------------|----------------------------|
| GW01 | 4/10/2014 | 1,745 | 8.7 | 330 | 1,851 |
| CGWQS (ug/L) | | 5 | 560 | 700 | 1,400 |

Notes:

CGWQS = Colorado Groundwater Quality Standards

Bold values indicate an exceedance of the CGWQS for the Site.

ug/L= Micrograms per liter.

TABLE 3
HANKS POOLING UNIT 1
SURFACE WATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

| Sample ID | Date Sampled | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Total Xylenes (ug/L) |
|---------------------|--------------|-------------------|-------------------|------------------------|----------------------------|
| SW01 | 4/18/2014 | <1.0 | <1.0 | <1.0 | <1.0 |
| SW02 | 4/18/2014 | <1.0 | <1.0 | <1.0 | <1.0 |
| SW03 | 4/18/2014 | <1.0 | <1.0 | <1.0 | <1.0 |
| CBSSW (ug/L) | | 2 | 560 | 700 | 1,400 |

Notes:

CBSSW = Colorado Basic Standards for Surface Water (January 2013)

Bold values indicate an exceedance of the CBSSW for the Site.

ug/L= Micrograms per liter.

Test Report



April 10, 2014

Client: Tasman Geosciences / Anadarko

Project: Hanks Pooling Unit 1

Lab ID: 1125

Date Samples Received: 4/10/2014

Number of Samples: 8

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

The quality control procedures associated with the requested analyses were satisfactorily passed before the samples were run.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Dieken".

Christopher Dieken
Quality Assurance Manager

A handwritten signature in black ink, appearing to read "Todd Rhea".

Todd Rhea
Laboratory Manager

eAnalytics Laboratory

1767 Rocky Mountain Avenue Loveland CO 80538

Chain of Custody

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Chain of Custody Form

[illegible]

WO# 8852175 eANALYTICS: Environmental testing made Easy

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The results contained within this report relate only to the items analyzed

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LABORATORY

Client: Tasman Geosciences / Anadarko Lab ID: 1125

Project: Hanks Pooling Unit 1

Analysis: Volatile Organics Method: EPA8260
TPH EPA8260/8015

| Sample Name | Benzene mg/kg | Toluene mg/kg | Ethyl- benzene mg/kg | Total Xylenes mg/kg | TPH GRO C6-C10 mg/kg | TPH DRO C10-C28 mg/kg | TPH ORO C28-C36 mg/kg | Date Sampled | Date Analyzed | Lab ID |
|-------------|------------------|------------------|----------------------------|---------------------------|-------------------------------|--------------------------------|--------------------------------|-----------------|------------------|--------|
| N01 @ 3 | < 0.01 | < 0.01 | 0.295 | 2.15 | 217 | 55.1 | < 50 | 04/10/14 | 04/10/14 | 1125 1 |
| S01 @ 3 | 0.482 | < 0.01 | 1.86 | 16.1 | 479 | 122 | < 50 | 04/10/14 | 04/10/14 | 1125 2 |
| E01 @ 3 | 0.397 | < 0.01 | 1.63 | 0.535 | 248 | 128 | < 50 | 04/10/14 | 04/10/14 | 1125 3 |
| W01 @ 3 | < 0.01 | < 0.01 | < 0.01 | 0.145 | 97.7 | < 50 | < 50 | 04/10/14 | 04/10/14 | 1125 4 |
| DL01 @ 3 | 0.072 | < 0.01 | 0.022 | 0.386 | < 50 | < 50 | < 50 | 04/10/14 | 04/10/14 | 1125 5 |
| DL02 @ 3 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 50 | < 50 | < 50 | 04/10/14 | 04/10/14 | 1125 6 |
| DL03 @ 3 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 50 | < 50 | < 50 | 04/10/14 | 04/10/14 | 1125 7 |

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eANALYTICS
LABORATORY

Client: Tasman Geosciences / Anadarko Lab ID: 1125

Project: Hanks Pooling Unit 1

Analysis: Volatile Organics Method: EPA8260

| Sample Name | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Date Sampled | Date Analyzed | Lab ID | |
|-------------|---------|---------|-------------------|------------------|-----------------|------------------|--------|---|
| | ug/L | ug/L | ug/L | ug/L | | | | |
| GW01 | 1745 | 8.7 | 330 | 1851 | 04/10/14 | 04/10/14 | 1125 | 8 |

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L A B O R A T O R Y

Client: Tasman Geosciences / Anadarko

Lab ID: 1125

Project: Hanks Pooling Unit 1

Method: EPA8260

| Sample Name | Dibromo- fluoromethane % Recovery | 1,2 Dichloro- ethane-D4 % Recovery | Toluene-D8 % Recovery | Bromo- fluorobenzene % Recovery | Date Sampled | Date Analyzed | Lab ID |
|-------------|---|--|--------------------------|---------------------------------------|-----------------|------------------|--------|
| N01 @ 3 | 87 | 93 | 107 | 108 | 04/10/14 | 04/10/14 | 1125 1 |
| S01 @ 3 | 110 | 92 | 96 | 97 | 04/10/14 | 04/10/14 | 1125 2 |
| E01 @ 3 | 102 | 109 | 108 | 104 | 04/10/14 | 04/10/14 | 1125 3 |
| W01 @ 3 | 88 | 90 | 89 | 107 | 04/10/14 | 04/10/14 | 1125 4 |
| DL01 @ 3 | 94 | 89 | 88 | 102 | 04/10/14 | 04/10/14 | 1125 5 |
| DL02 @ 3 | 94 | 100 | 111 | 97 | 04/10/14 | 04/10/14 | 1125 6 |
| DL03 @ 3 | 102 | 102 | 101 | 106 | 04/10/14 | 04/10/14 | 1125 7 |

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eANALYTICS
LABORATORY

Client: Tasman Geosciences / Anadarko

Lab ID: 1125

Project: Hanks Pooling Unit 1

Method: EPA8260

| Sample Name | Dibromo- fluoromethane % Recovery | 1,2 Dichloro- ethane-D4 % Recovery | Toluene-D8 % Recovery | Bromo- fluorobenzene % Recovery | Date Sampled | Date Analyzed | Lab ID |
|-------------|---|--|--------------------------|---------------------------------------|-----------------|------------------|--------|
| GW01 | 106 | 94 | 104 | 100 | 04/10/14 | 04/10/14 | 1125 8 |

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LABORATORY

Client: Tasman Geosciences / Anadarko

Lab ID: 1125

Project: Hanks Pooling Unit 1

Analysis: Volatile Organics
TPHMethod: EPA8260
EPA8260/8015

| Sample Name | | | | | | | | Date Analyzed | Lab ID | |
|---------------------------|---------|---------|-------------------|------------------|----------------------|-----------------------|-----------------------|---------------|--------|--------|
| | Benzene | Toluene | Ethyl- benzene | Total Xylenes | TPH GRO C6-C10 | TPH DRO C10-C28 | TPH ORO C28-C36 | | | |
| | % Rec | % Rec | % Rec | % Rec | % Rec | % Rec | % Rec | | | |
| Laboratory Control Sample | 96 | 103 | 91 | 92 | 91 | 95 | 104 | 04/10/14 | LCS | 1125 1 |
| (70-130%) | | | | | | | | | | |
| Method Blank | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 50 | < 50 | < 50 | 04/10/14 | MB | 1125 1 |
| | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | |

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eANALYTICS
LABORATORY

Client: Tasman Geosciences / Anadarko

Lab ID: 1125

Project: Hanks Pooling Unit 1

Analysis: Volatile Organics

Method: EPA8260

| Sample Name | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Date Analyzed | Lab ID | | |
|---------------------------|---------|---------|-------------------|------------------|------------------|--------|------|---|
| | % Rec | % Rec | % Rec | % Rec | | | | |
| Laboratory Control Sample | 92 | 91 | 101 | 98 | 04/10/14 | LCS | 1125 | 1 |
| (70-130%) | | | | | | | | |
| Method Blank | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 04/10/14 | MB | 1125 | 1 |
| | ug/L | ug/L | ug/L | ug/L | | | | |

eAnalytics Laboratory

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Test Report



April 20, 2014

Client: Tasman Geosciences / Anadarko

Project: Hanks Pooling U1

Lab ID: 1203

Date Samples Received: 4/18/2014

Number of Samples: 8

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

The quality control procedures associated with the requested analyses were satisfactorily passed before the samples were run.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Dieken".

Christopher Dieken
Quality Assurance Manager

A handwritten signature in black ink, appearing to read "Todd Rhea".

Todd Rhea
Laboratory Manager

eAnalytics Laboratory

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Chain of Custody Form

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WO # 88527175

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The results contained within this report relate only to the items analyzed

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LABORATORY

Client: Tasman Geosciences / Anadarko Lab ID: 1203

Project: Hanks Pooling U1

Analysis: Volatile Organics Method: EPA8260
TPH EPA8260/8015

| Sample Name | Benzene mg/kg | Toluene mg/kg | Ethyl- benzene mg/kg | Total Xylenes mg/kg | TPH GRO C6-C10 mg/kg | TPH DRO C10-C28 mg/kg | TPH ORO C28-C36 mg/kg | Date Sampled | Date Analyzed | Lab ID |
|-------------|------------------|------------------|----------------------------|---------------------------|-------------------------------|--------------------------------|--------------------------------|-----------------|------------------|--------|
| S02 @ 3 | 0.879 | < 0.01 | 4.44 | 34.9 | 579 | 58.8 | < 50 | 04/18/14 | 04/18/14 | 1203 1 |
| S03 @ 3 | 0.208 | < 0.01 | 2.49 | 25.5 | 627 | 142 | < 50 | 04/18/14 | 04/18/14 | 1203 2 |
| N02 @ 3 | 6.64 | < 0.01 | 20.0 | 206 | 3583 | 240 | < 50 | 04/18/14 | 04/18/14 | 1203 3 |
| N03 @ 3 | 0.250 | < 0.01 | 4.51 | 63.2 | 955 | 234 | < 50 | 04/18/14 | 04/18/14 | 1203 4 |
| E02 @ 3 | 0.109 | < 0.01 | 2.88 | 44.9 | 468 | 278 | < 50 | 04/18/14 | 04/18/14 | 1203 5 |

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eANALYTICS
LABORATORY

Client: Tasman Geosciences / Anadarko Lab ID: 1203

Project: Hanks Pooling U1

Analysis: Volatile Organics Method: EPA8260

| Sample Name | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Date Sampled | Date Analyzed | Lab ID | |
|-------------|---------|---------|-------------------|------------------|-----------------|------------------|--------|---|
| | ug/L | ug/L | ug/L | ug/L | | | | |
| SW01 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 04/18/14 | 04/18/14 | 1203 | 6 |
| SW02 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 04/18/14 | 04/18/14 | 1203 | 7 |
| SW03 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 04/18/14 | 04/18/14 | 1203 | 8 |

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L A B O R A T O R Y

Client: Tasman Geosciences / Anadarko

Lab ID: 1203

Project: Hanks Pooling U1

Method: EPA8260

| Sample Name | Dibromo- fluoromethane % Recovery | 1,2 Dichloro- ethane-D4 % Recovery | Toluene-D8 % Recovery | Bromo- fluorobenzene % Recovery | Date Sampled | Date Analyzed | Lab ID |
|-------------|---|--|--------------------------|---------------------------------------|-----------------|------------------|--------|
| S02 @ 3 | 108 | 89 | 105 | 103 | 04/18/14 | 04/18/14 | 1203 1 |
| S03 @ 3 | 99 | 103 | 104 | 97 | 04/18/14 | 04/18/14 | 1203 2 |
| N02 @ 3 | 107 | 110 | 98 | 95 | 04/18/14 | 04/18/14 | 1203 3 |
| N03 @ 3 | 106 | 91 | 105 | 99 | 04/18/14 | 04/18/14 | 1203 4 |
| E02 @ 3 | 88 | 91 | 106 | 104 | 04/18/14 | 04/18/14 | 1203 5 |

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LABORATORY

Client: Tasman Geosciences / Anadarko

Lab ID: 1203

Project: Hanks Pooling U1

Method: EPA8260

| Sample Name | Dibromo- fluoromethane % Recovery | 1,2 Dichloro- ethane-D4 % Recovery | Toluene-D8 % Recovery | Bromo- fluorobenzene % Recovery | Date Sampled | Date Analyzed | Lab ID |
|-------------|---|--|--------------------------|---------------------------------------|-----------------|------------------|--------|
| SW01 | 101 | 89 | 98 | 90 | 04/18/14 | 04/18/14 | 1203 6 |
| SW02 | 98 | 109 | 91 | 90 | 04/18/14 | 04/18/14 | 1203 7 |
| SW03 | 96 | 106 | 102 | 96 | 04/18/14 | 04/18/14 | 1203 8 |

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LABORATORY

Client: Tasman Geosciences / Anadarko

Lab ID: 1203

Project: Hanks Pooling U1

Analysis: Volatile Organics
TPHMethod: EPA8260
EPA8260/8015

| Sample Name | Benzene | Toluene | Ethyl- benzene | Total Xylenes | TPH GRO C6-C10 | TPH DRO C10-C28 | TPH ORO C28-C36 | Date Analyzed | Lab ID | | |
|---------------------------|---------|---------|-------------------|------------------|----------------------|-----------------------|-----------------------|------------------|--------|------|---|
| | % Rec | % Rec | % Rec | % Rec | % Rec | % Rec | % Rec | | | | |
| Laboratory Control Sample | 96 | 97 | 104 | 101 | 101 | 102 | 93 | 04/18/14 | LCS | 1203 | 1 |
| (70-130%) | | | | | | | | | | | |
| Method Blank | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 50 | < 50 | < 50 | 04/18/14 | MB | 1203 | 1 |
| | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | | | | |

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LABORATORY

Client: Tasman Geosciences / Anadarko

Lab ID: 1203

Project: Hanks Pooling U1

Analysis: Volatile Organics

Method: EPA8260

| Sample Name | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Date Analyzed | Lab ID | | |
|---------------------------|---------|---------|-------------------|------------------|------------------|--------|------|---|
| | % Rec | % Rec | % Rec | % Rec | | | | |
| Laboratory Control Sample | 91 | 103 | 98 | 90 | 04/18/14 | LCS | 1203 | 1 |
| (70-130%) | | | | | | | | |
| Method Blank | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 04/18/14 | MB | 1203 | 1 |
| | ug/L | ug/L | ug/L | ug/L | | | | |

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