

**FORM 19**  
Rev 6/99

**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

Spill report taken by:

FACILITY ID:

**OPERATOR INFORMATION**

Name of Operator: <u>Kerr-McGee Oil &amp; Gas Onshore LP</u>	OGCC Operator No: <u>47120</u>	Phone Numbers
Address: <u>1099 18th Street, Suite 1800</u>		No: <u>720-929-6000</u>
City: <u>Denver</u>	State: <u>CO</u> Zip: <u>80202</u>	Fax: <u>720-929-7726</u>
Contact Person: <u>Paul Schneider</u>		Email: <u>Paul.Schneider@anadarko.com</u>

**DESCRIPTION OF SPILL OR RELEASE**

Date of Incident: <u>12/21/2009</u>	Facility Name & No: <u>Camenisch David E GU #1</u>	County: <u>Weld</u>
Type of Facility (well, tank battery, flow line, pit): <u>Tank Battery</u>		QtrQtr: <u>NWNE</u> Section: <u>10</u>
Well Name and Number: <u>Camenisch David E GU #1</u>		Township: <u>2N</u> Range: <u>68W</u>
API Number: <u>05-123-08567</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	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>34' east-west by 48' north-south</u>	
Current land use: <u>Residential</u>	Weather conditions: <u>30° F, clear</u>	
Soil/geology description: <u>Coarse sand</u>		
<b>IF LESS THAN A MILE</b> , report distance <b>IN FEET</b> to nearest ... Surface water: <u>50 E (canal)</u> wetlands: <u>50 E</u> buildings: <u>200 E</u>		
Livestock: <u>Unknown</u> Water wells: <u>900 E</u> Depth to shallowest ground water: <u>6' bgs</u>		
Cause of spill (e.g. equipment failure, human error, etc.): <u>Historical impacts</u> Detailed description of the spill/release incident:		
Field crews discovered historical petroleum hydrocarbon impacted soil while rebuilding the tank battery.		

**CORRECTIVE ACTION**

Describe immediate response (how stopped, contained and recovered): The well was shut in and the petroleum hydrocarbon impacted soil has been excavated. Groundwater was encountered in the excavation at approximately 6' bgs. Impact to groundwater was confirmed by the laboratory report on December 23, 2009 at which time the release became State reportable.

Describe any emergency pits constructed: NA

How was the extent of contamination determined? Soil and groundwater samples were collected for field screening and laboratory analysis. Laboratory results for the confirmation soil samples indicate that TEPH and BTEX concentrations are below COGCC allowable levels at the extent of the excavation. Laboratory results for the excavation groundwater sample (GW01) indicate that benzene concentrations exceed the CGWQS. Approximately 430 cubic yards of impacted soil were removed from the excavation and transported to the Waste Connections landfill in Erie, Colorado. Approximately 80 bbls of impacted water were removed from the excavation and transported to the KMG injection facility.

Further remediation activities proposed (attach separate sheet if needed): Ten gallons of MicroBlaze were applied to the groundwater and exposed smear zone soils in the open excavation prior to backfilling. Groundwater monitoring wells will be installed to determine the extent and magnitude of groundwater impacts.

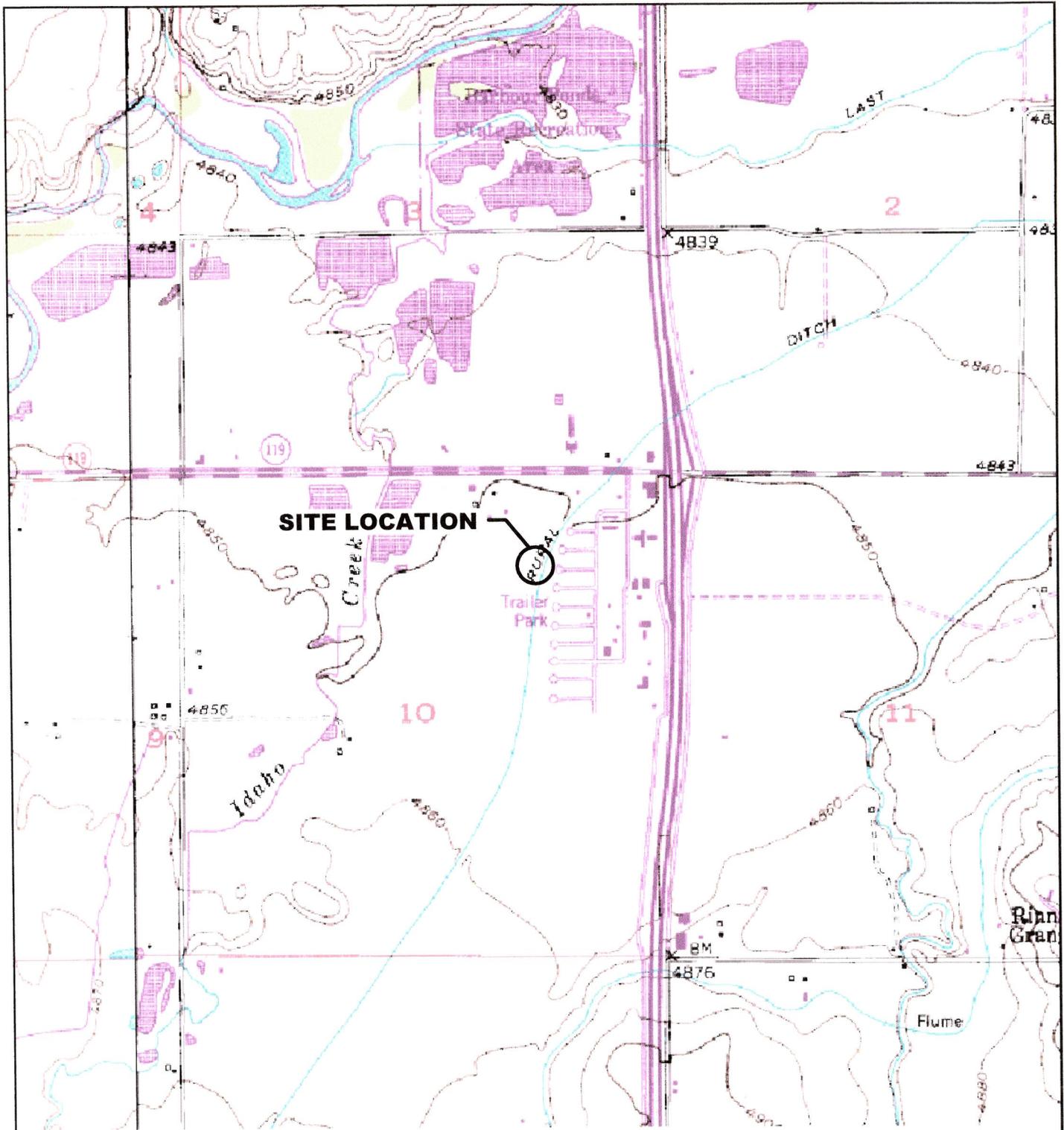
Describe measures taken to prevent problem from reoccurring: The dump lines will be replaced with new poly lines.

**OTHER NOTIFICATIONS**

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

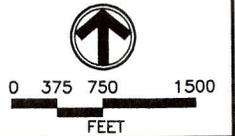
Date	Agency	Contact	Phone	Response

Spill/Release Tracking No: \_\_\_\_\_



**LEGEND**

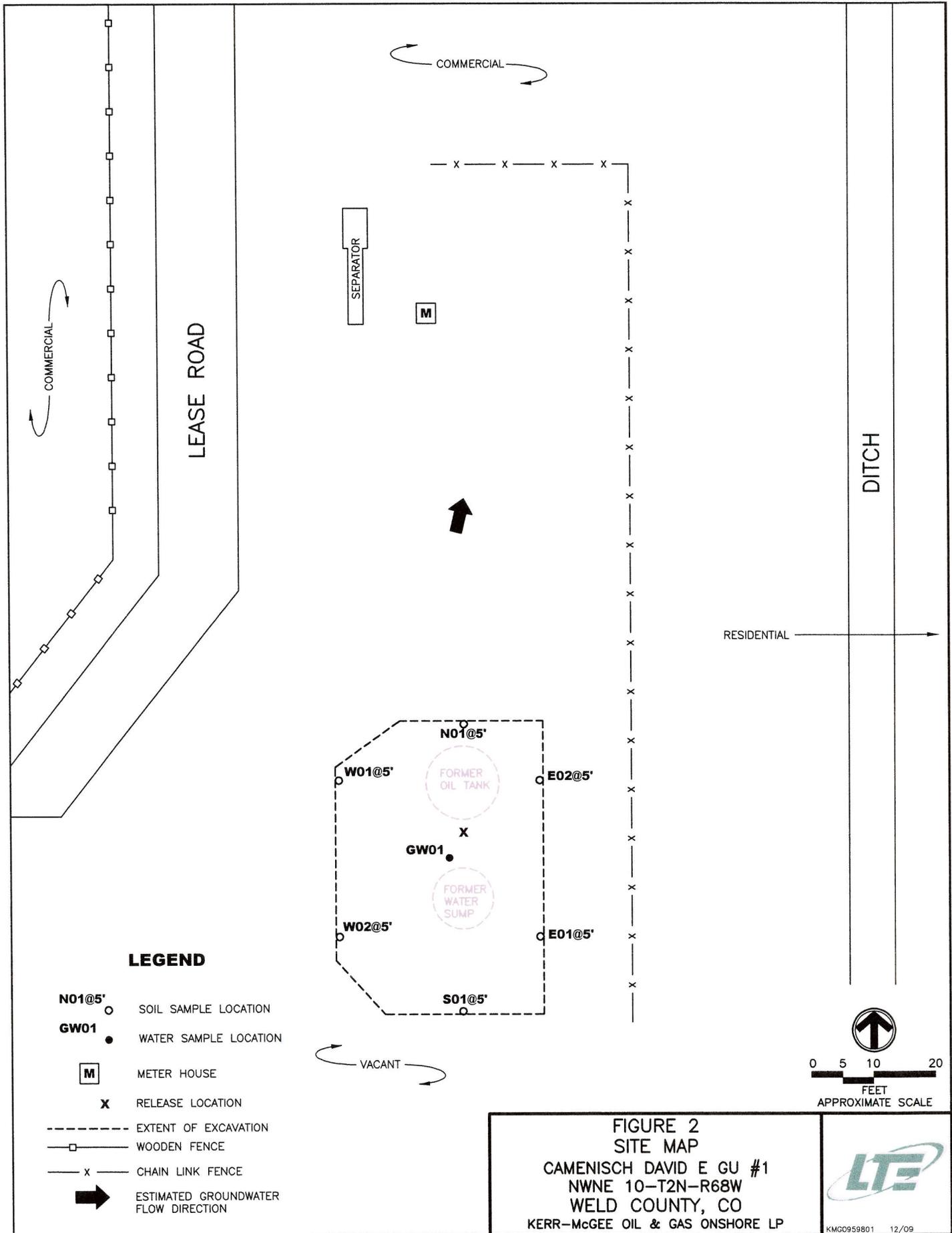
 **SITE LOCATION**



SOURCE: TOPOZONE.COM  
USGS 7.5' QUADRANGLE  
(NAD27)

**FIGURE 1**  
**SITE LOCATION MAP**  
**CAMENISCH DAVID E GU #1**  
**NWNE 10-T2N-R68W**  
**WELD COUNTY, CO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**



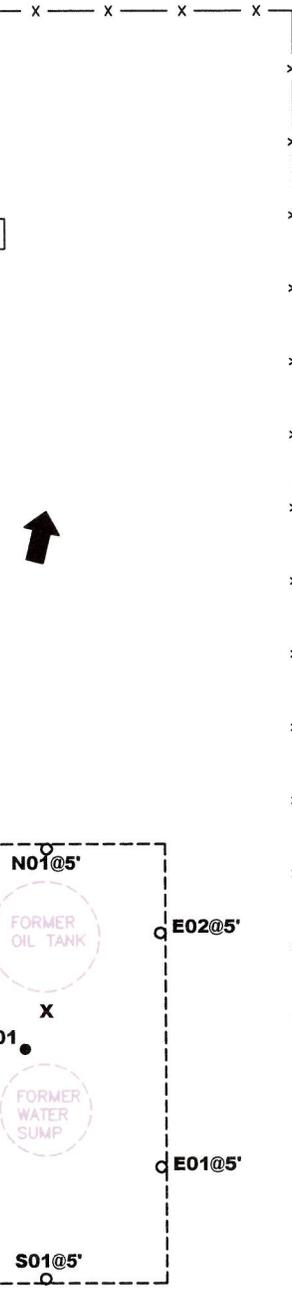


COMMERCIAL

LEASE ROAD

SEPARATOR

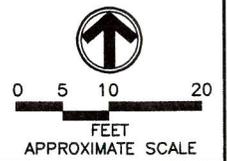
M



DITCH

RESIDENTIAL

VACANT



**TABLE 1  
SOIL SAMPLE ANALYTICAL DATA**

SAMPLE ID	DATE	DEPTH (feet bgs)	PID (ppm)	TEPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
N01@5'	12/22/2009	5	115.0	11	<0.005	<0.005	<0.005	<0.005
S01@5'	12/22/2009	5	1.3	1	<0.005	<0.005	<0.005	<0.005
E01@5'	12/22/2009	5	351.0	244	<0.005	<0.005	<0.005	<0.005
W01@5'	12/22/2009	5	5.0	1	<0.005	<0.005	<0.005	<0.005
W02@5'	12/22/2009	5	2.3	<50	<0.005	<0.005	<0.005	<0.005
E02@5'	12/28/2009	5	N/A	<50	<0.005	<0.005	<0.005	<0.005

<50 - Below Laboratory Reporting Limit of 50 mg/kg

<0.005 Below Laboratory Reporting Limit of 0.005 mg/kg

PID - Photoionization detector

TEPH - Total Extractable Petroleum Hydrocarbons (C6-C36)

bgs - Below ground surface

ppm - Parts per million

mg/kg - Milligrams per kilogram

mmhos/cm - Millimhos per centimeter

**TABLE 2  
GROUNDWATER SAMPLE ANALYTICAL DATA**

SAMPLE ID	SAMPLE DATE	DEPTH (feet bgs)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENES (ug/L)
GW01	12/22/2009	6	9.3	3.5	120	450

ug/L - Micrograms per liter

bgs - Below ground surface

