



**KERR-McGEE OIL & GAS ONSHORE LP**  
1999 BROADWAY, SUITE 3700 • DENVER, COLORADO 80202

RECEIVED

MAR 29 05

COGCC



01727372

March 29, 2006

PHONE: 303-296-3600  
FAX: 303-296-3601

Mr. Randall Ferguson  
Colorado Oil & Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, CO 80203

RE: Snits Federal 6-20A Flowline Leak  
SENW 20-2N-66W  
Weld County, Colorado

Dear Randall:

At the request of the COGCC, Kerr-McGee Rocky Mountain LLC (Kerr-McGee) conducted pressure testing of the lines and storage vessels associated with the Snits Federal 6-20A well. The request was based on apparent petroleum hydrocarbon impacts which were encountered in a testhole (11-12) completed by others near the subject well. The locations of the Kerr-McGee facilities and the testhole are presented on Figure 1 (attached). The pressure tests indicated that none of the Kerr-McGee facilities are leaking with the exception of the flowline. A pinhole leak was detected in the flowline when it was pressured up to 2000 pounds per square inch (psi); however, it stopped leaking when the pressure dropped to approximately 400 psi. This is well above the normal operating line pressure of approximately 100-120 psi, indicating that the line was not leaking during normal operating conditions. This was confirmed by the soil sampling (discussed below).

The leaking portion of the line was located at a depth of 4.5-feet below ground surface (bgs). The location of the leak is presented on Figure 1. The line was excavated and repaired on March 3, 2006. At the request of the landowner, the excavation was immediately backfilled (before KMI environmental personnel were able to collect soil samples from the excavation). No visual or olfactory impacts were noted in the excavation; therefore, the excavation was backfilled with the same material that had been removed.

KMI personnel were onsite on March 7, 2006 to advance an excavation at the location of the line leak and repair for the purpose of collecting confirmation soil samples. Soil sample SS-1 was collected from the native backfill material above the line at a depth of 3.5-feet bgs. Soil sample SS-2 was collected from undisturbed soils directly below the line at a depth of 5.5-feet bgs. The soils samples were screened in the field with a photoionization detector (PID) and were submitted to Summit Scientific laboratory for analysis of Total Extractable Petroleum Hydrocarbons (TEPH - C6-C35) by EPA Method 8015. The PID readings were 5 parts per million (ppm) or less. Laboratory analytical results indicate that no TEPH compounds were detected in either soil sample. The PID readings and laboratory results are summarized on Figure 1. A copy of the laboratory analytical report is attached.

Dear Randall:

At the request of the COGCC, Kerr-McGee Rocky Mountain LLC (Kerr-McGee) conducted pressure testing of the lines and storage vessels associated with the Smits Federal 6-20A well. The request was based on apparent petroleum hydrocarbon impacts which were encountered in a testhole (TH-12 completed by others) near the subject well. The locations of the Kerr-McGee facilities and the borehole are presented on Figure 1 (attached). The pressure tests indicated that none of the Kerr-McGee facilities were leaking with the exception of the flowline. A pinhole leak was detected in the flowline when it was pressured-up to 2000 pounds per square inch (PSI); however, it stopped leaking when the pressure dropped to approximately 400 psi. This is well above the normal operating pressure of approximately 100-120 psi, indicating that the line was not leaking during normal operating conditions. This was confirmed by soil sampling (discussed below).

The leaking portion of the line was located at a depth of 4.5-feet below ground surface (bgs). The location of the leak is presented on Figure 1. The line was excavated and repaired on March 1, 2006. At the request of the landowner, the excavation was immediately backfilled (before KM environmental personnel were able to collect soil samples from the excavation). No visual or olfactory impacts were noted in the excavation; therefore, the excavation was backfilled with the same material that had been removed.

KM personnel were onsite on March 7, 2006 to advance an excavation at the location of the line leak and repair for the purpose of collecting confirmation soil samples. Soil sample SS-1 was collected from the native backfill material above the line, at a depth of 3.5-feet bgs. Soil Sample SS-2 was collected from undisturbed soils directly below the line at a depth of 5.5-feet bgs. The soils samples were screened in the field with a photoionization detector (PID) and were submitted to Summit Scientific laboratory for analysis of Total Extractable Petroleum Hydrocarbons (TEPH-C6-C35) by EPA Method 8015. The PID reading were 5 parts per million (ppm) or less. Laboratory analytical results indicate that no TEPH compounds were detected in either soil sample. The PID readings and laboratory results are summarized on Figure 1. A copy of the laboratory analytical report is attached.

**[Continued on page 2 of original letter]**

March 29, 2006

This information indicates that the flowline leak was not a reportable release, and furthermore, it was not related to the apparent petroleum hydrocarbon impacts noted in testhole TH-12. Please feel free to contact me at 720-264-2715 if you have any questions regarding this information.

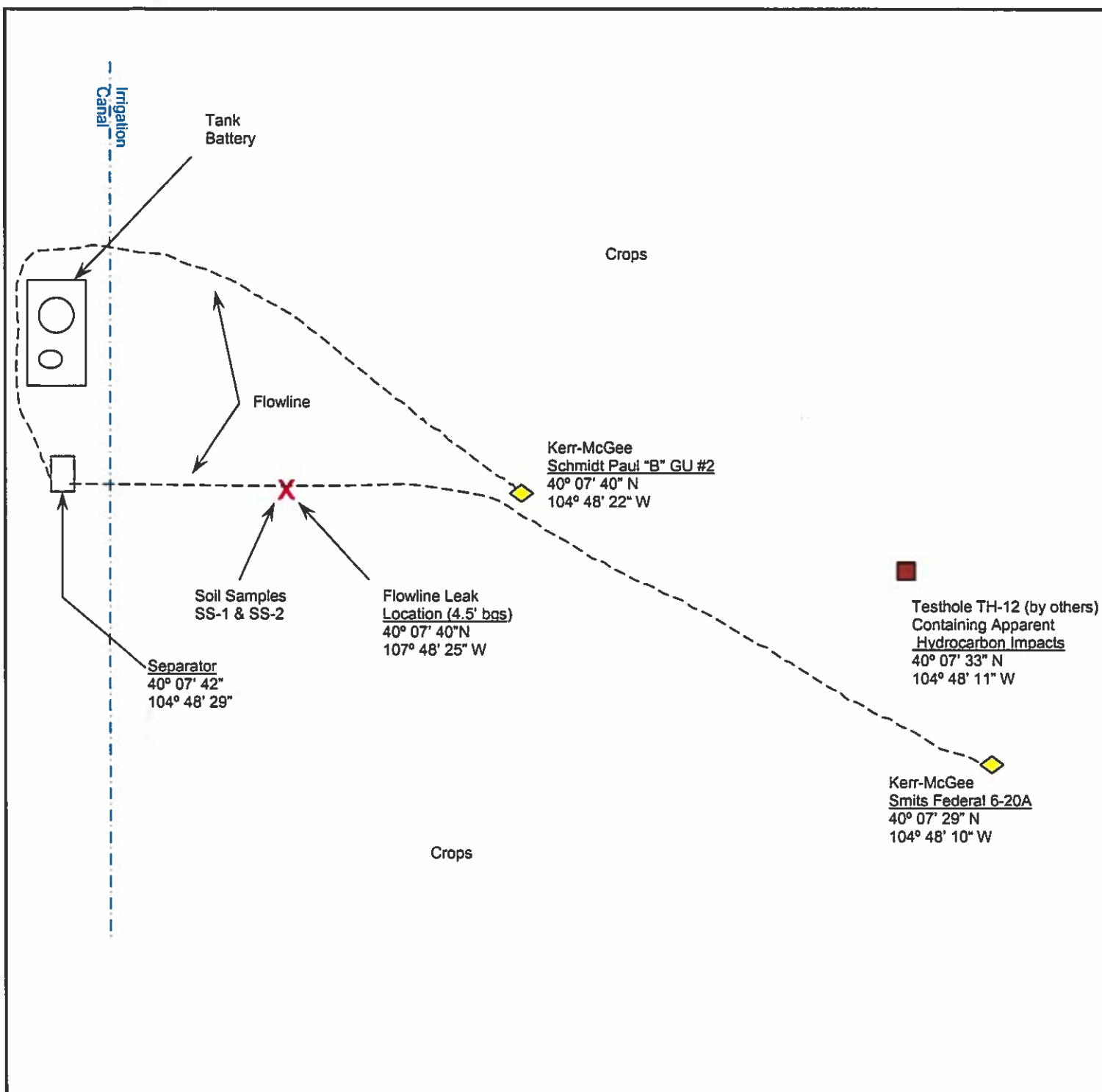
Very truly yours,

KERR-McGEE OIL & GAS ONSHORE LP



Paul D. Schneider, P.G.  
Sr. Environmental Specialist

attachments



#### Soil Sample Field & Laboratory Results

Sample No.	Date	Depth	PID (ppm)	TPH (mg/Kg)
SS-1	3/7/06	3.5'	5	ND
SS-2	3/7/06	5.5'	0	ND

Note: ND = not detected

**Figure 1**

#### Site Diagram

**Kerr-McGee Rocky Mountain Corp. – Smits Federal 6-20A**

SENE Sec. 20-T2N-R66W, Weld County, Colorado

Drawing Date: 3/15/06 Drawn by: PDS

Not to Scale

**NORTH**



# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 20, 2006

Paul Schneider

Kerr McGee - Oil & Gas Onshore, LP

1999 Broadway #3600

Denver, CO 80202

RE: Smits Federal 6-20A

Enclosed are the results of analyses for samples received by Summit Scientific on 03/07/06 13:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Noelle E Doyle', with a stylized flourish at the end.

Noelle E Doyle

Laboratory Manager

S<sub>2</sub>

Kerr McGee - Oil & Gas Onshore, LP  
1999 Broadway #3600  
Denver CO, 80202

Project: Smits Federal 6-20A

Project Number: [none]  
Project Manager: Paul Schneider

Reported:  
03/14/06 16:08

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1/3.5	R603016-01	Soil	03/06/06 09:00	03/07/06 13:30
SS-2/5.5	R603016-02	Soil	03/06/06 09:00	03/07/06 13:30

S<sub>2</sub>

Kerr McGee - Oil & Gas Onshore, LP  
1999 Broadway #3600  
Denver CO, 80202

Project: Smits Federal 6-20A  
Project Number: [none]  
Project Manager: Paul Schneider

Reported:  
03/14/06 16:08

R603016

Summit Scientific, Inc. 10000 E. Harvard Ave. Suite 100 Denver, CO 80231

Member of the Summit Laboratories Group

741 Corporate Circle Suite 1 Golden, Colorado 80401

303.777.9310 303.777.9311 Fax

Client: Kerr McGee Pay: 1 of 1

Address: 1999 Broadway #3600

City/State/Zip: Denver CO 80202

Phone: 303.777.9310 Fax: 303.777.9311

Sample Name: Soil Project Number: 6-20A

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:	
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Soil	Other (Specify)	Other (Specify)	Other (Specify)		
5/1/05	4/1/05	1:00	1										
5/1/05	4/1/05	2:00	1										

Sample ID	Date Recd	Time Recd	Recovery		Sample Integrity	Remarks
			Lab	Field		
5/1/05	4/1/05	1:00			9	
5/1/05	4/1/05	2:00				

S<sub>2</sub>

Kerr McGee - Oil & Gas Onshore, LP  
 1999 Broadway #3600  
 Denver CO, 80202

Project: Smits Federal 6-20A

Project Number: [none]  
 Project Manager: Paul Schneider

Reported:  
 03/14/06 16:08

SS-1/3.5  
 R603016-01 (Soil)

### Summit Scientific

#### Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 03/06/06 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	6031001	03/10/06	03/13/06	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: 03/06/06 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C36 Total TEPH	0.0		"	"	[CALC]	"	"	EPA 8015	

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



S<sub>2</sub>

Kerr McGee - Oil & Gas Onshore, LP  
1999 Broadway #3600  
Denver CO, 80202

Project: Smits Federal 6-20A  
Project Number: [none]  
Project Manager: Paul Schneider

Reported:  
03/14/06 16:08

SS-2/5.5  
R603016-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 03/06/06 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	6031001	03/10/06	03/13/06	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: 03/06/06 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C36 Total TEPH	0.0		"	"	[CALC]	"	"	EPA 8015	

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

S<sub>2</sub>

Kerr McGee - Oil & Gas Onshore, LP  
1999 Broadway #3600  
Denver CO, 80202

Project: Smits Federal 6-20A  
Project Number: [none]  
Project Manager: Paul Schneider

Reported:  
03/14/06 16:08

### Extractable Petroleum Hydrocarbons by 8015 - Quality Control

#### Summit Scientific

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

#### Batch 6031001 - EPA 5030 Soil GC

##### Blank (6031001-BLK1)

Prepared: 03/10/06 Analyzed: 03/13/06

C6-C10 (TEPH-GRO)	ND	50	mg/kg
C10-C28 (TEPH-DRO)	ND	50	"
C28-C36 (TEPH-ORO)	ND	50	"

##### LCS (6031001-BS1)

Prepared: 03/10/06 Analyzed: 03/13/06

C10-C28 (TEPH-DRO)	451	50	mg/kg	512	88.1	50-150
--------------------	-----	----	-------	-----	------	--------

##### Matrix Spike (6031001-MS1)

Source: R603016-01

Prepared: 03/10/06 Analyzed: 03/13/06

C10-C28 (TEPH-DRO)	456	50	mg/kg	512	25	84.2	50-150
--------------------	-----	----	-------	-----	----	------	--------

##### Matrix Spike Dup (6031001-MSD1)

Source: R603016-01

Prepared: 03/10/06 Analyzed: 03/13/06

C10-C28 (TEPH-DRO)	451	50	mg/kg	512	25	83.2	50-150	1.10	25
--------------------	-----	----	-------	-----	----	------	--------	------	----

S<sub>2</sub>

Kerr McGee - Oil & Gas Onshore, LP  
1999 Broadway #3600  
Denver CO, 80202

Project: Smits Federal 6-20A  
Project Number: [none]  
Project Manager: Paul Schneider

Reported:  
03/14/06 16:08

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference