

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

*operator*  
REC 4/8/13

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
COC - 18342

6. If Indian, Allottee or Tribe Name  
NA

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

Oil Well     Gas Well     Other

7. If Unit of CA/Agreement, Name and/or No.  
NA

8. Well Name and No.  
Federal #2-10-84

2. Name of Operator  
National Fuel Corporation

9. API Well No.  
05-045-06392

3a. Address  
8400 E. Prentice Ave, Suite 735  
Greenwood Village, CO 80111

3b. Phone No. (include area code)  
970-858-7490

10. Field and Pool or Exploratory Area  
Bridle

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NWNE, Sec. 10, T8S, R104W, 6th PM.

11. County or Parish, State  
Mesa County, Colorado

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Progress Report</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This Sundry Notice is being submitted as an update for remediation progress on the Federal #2-10-84 pit. The production pit at the Federal #2-10-84 is being closed at the request of the Colorado Oil and Gas Conservation Commission(COGCC). National Fuel Corporation(NFC) submitted soil samples to Confluence Energy for testing with their product named "Ecosponge". After a 28 day test was conducted with the Ecosponge product, the soil samples are within the range of acceptable levels for contaminants listed in the COGCC 910 series rules. Contingent upon COGCC and BLM approval, NFC will proceed with remediation plans outlined in the attached proposal provided by Confluence Energy.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Andrew Busch

Title VP of Operations

Signature



Date 10/16/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by



Title **Field Manager**

Date **MAR 21 2013**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **Grand Junction Field Office**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## Proposal to Supply Bioremediation of Federal #2-10-82 Pit

**Project Description:** National Fuel Corporation's(NFC) Federal #2-10-84 has a legacy pit where the impacted material has been removed from the pit. The material has above COGCC acceptable levels of Hydrocarbons and SAR.

### **Proposed Solution:**

Confluence Energy (CE) will supply a complete bioremediation project to the NFC location. CE will deliver Eco-Sponge, equipment and personnel. The impacted soils and material have already been removed from the unlined pit area. CE will add 24 tons of Eco-Sponge to the impacted material. The Eco-Sponge will be homogenized with the impacted material. CE will add water to the material to provide enough moisture to ensure the micro-organisms will colonize and consume the Hydrocarbon contamination. CE will also provide additives to reduce the SAR levels of the impacted material.

CE will utilize an in-situ bioremediation process to reduce the toxicity and SAR of the impacted material. CE will place aeration hoses into the pit area. The hoses will be spread approx. 6 ft. a part (top to bottom and side to side) as the impacted material is being backfilled into the excavated pit area.

After the pit is backfilled with the treated material, with the aeration hose layered through the impacted material, a 75 watt solar powered air pump will be attached to the embedded hose extending from the ground surface level. The solar powered pump system will have a battery system that will provide a small amount of continuous oxygen to the impacted soil which will facilitate bio remediation process.

### **Testing Monitoring:**

Testing and monitoring will be done approximately every 30 days, and will continue until the contaminated soil meets the acceptable levels according to the COGCC 910 series rules.

#### **Testing for:**

- Hydrocarbons
- SAR
- PH

#### **Materials:**

- 24 tons of Eco-Sponge in bulk super sacks
- Site specific amount of additive to enhance bioremediation and SAR reduction.

#### **Equipment:**

- Wheel Loader
- Aeration Hose /Solar Power / Pump / Battery

#### **Staff:**

- CE will provide staff to install Solar unit and Aeration hose
- Operator for loader

#### **Testing and Analysis:**

- Initial lab test has been run on a sample of the cuttings 30 days after treatment, and it has been determined the required pre-mixture of Eco-Sponge and Baseline have successfully remediated the soil.

- After entire spoil pile is treated and placed in pit, 1<sup>st</sup> Lab test will be done on material 30 days after treatment.
- Field testing on the material will be completed every 30 days, for 4 consecutive tests or until impacted material meets COGCC specifications agreed upon. (Not winter months).
- Field test will ensure project is tracking as planned
- A matrix with starting contaminates and ending goals will be structured and tracked. Parties will agree on elements to be tracked.
- Parties will openly share all results from the projects. Monthly results will be shared with COGCC.

Thank you for your consideration Mark Mathis

### Report of Analysis

Client Sample ID:	FRUITA <i>FEDERAL #2-12-87</i>	Date Sampled:	09/10/12
Lab Sample ID:	D38792-5	Date Received:	09/14/12
Matrix:	SO - Soil	Percent Solids:	64.9
Method:	SW846 8015B		
Project:	Confluence		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB17581.D	1	09/15/12	SK	n/a	n/a	GGB964
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	10.6	21	10	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	93%		60-140%		

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ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound