August 3, 2011

Mr. Mike Bonkiewicz
Noble Energy Inc.
800 Airport Road, No. 3
Rifle, Colorado 81650-8517

Subject: Transmittal of Tritium Analysis Results for Flowback Fluids
Noble Rulison Federal 19-41C Gas Well on 17M Pad

Dear Mr. Bonkiewicz:

Per Noble's request, URS Corporation (URS) collected on July 5, 2011, one (1) composite sample of flowback fluids returned from the Tier II Rulison Federal (RF) 19-41C gas well on the 17M well pad in Rulison monitoring sector 2. The flowback fluids sampled were stored in frac tanks on the 17M pad as they were returned from the well. The sample was designated RF-17M-19-41C-FB-CPTF-01 and was collected, composited, and analyzed in accordance with the Rulison Sampling and Analysis Plan (RSAP) Revision 3 dated July 31, 2010. The sample was sent by overnight carrier to Isotech Laboratories Inc. in Champaign, Illinois for tritium analysis under job number 15675.

The results of the analysis indicates that the tritium concentration in the flowback fluid from Tier II gas well RF-19-41C is less than its reporting limit of 14.6 tritium units (TU) or less than 47 picoCuries per liter (pCi/L). The laboratory data were independently validated by URS and found to be usable without qualification. The data validation report and laboratory certificate of analysis are attached for your reference.

Therefore, per the RSAP, the flowback fluid can be transported, re-used, or disposed without approval from the Colorado Oil & Gas Conservation Commission (COGCC). This letter, along with a Sundry Notice Form 4, should be submitted by Noble to the COGCC to document the flowback fluid results and demonstrate compliance with the RSAP.

URS Corporation
8181 E. Tufts Avenue
Denver, CO 80237
Tel: 303.694.2770
Fax: 303.694.3946

URS appreciates the opportunity to perform these services for Noble. Please call me if you have any questions concerning this transmittal.

Sincerely,

Richard L. Henry, PG
Senior Project Manager

cc: R. Bruner, Noble Energy Inc.
D. Redmond, Noble Energy Inc.
Project File

ISOTECH
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Water Analysis

Lab Number: 214795 Job Number: 15675

Submitter Sample Name: RF17M-19-41C-FB-CPTF-01

Submitter Sample ID:

Submitter Job #: 22239457.75000

Company: URS Corporation

Field or Site: Noble - Rulison Monitoring

Location:

Depth/Formation:

Container Type: 125ml bottle

Sample Collected: 7/05/2011 Results Reported: 7/12/2011

δD of water	----------	na
$\delta^{18}O$ of water	----------	na
Tritium content of water	----------	< 14.6 TU
$\delta^{13}C$ of DIC	----------	na
^{14}C content of DIC	----------	na
$\delta^{15}N$ of nitrate	----------	na
$\delta^{18}O$ of nitrate	----------	na
$\delta^{34}S$ of sulfate	----------	na
$\delta^{18}O$ of sulfate	----------	na

7/19/11

Remarks:

NOBLE ENERGY, INC. – RULISON AREA
DATA REVIEW SUMMARY

Data Package Numbers: Isotech 15675
Sample-specific Parameter Review? **Yes**
Data Reviewer: Joseph Capotrio
Peer Reviewer: Sheri Fling

Sampling Event: July 05, 2011
Laboratory Performance Parameters? **No**
Date Completed: July 19, 2011
Date Completed: July 20, 2011

The table below summarizes the results presented in this data package.

Field ID	Sample Type	Lab Job Number	Lab ID	Sample Date	Matrix	Analyses				
						Tritium	C-14	Delta D	Delta C-13	Chemical mol. %
RF17M-19-14C-FB-CPTF-01	SA	15675	214795	07/05/11	W	X	---	---	---	---

Matrix: W = Water
QC Type: SA = Sample FB = Field Blank
--- = Not analyzed for this parameter.
C-14 = Carbon 14 C-13 = Carbon 13 D = Deuterium mol % = Molecular percentage

The data review was conducted in accordance with the Rulison Sampling and Analysis Plan for Operational and Environmental Radiological Monitoring within a Three-Mile Radius of Project Rulison, Revision 3, July 31, 2010.

General Overall Assessment:

__X__ Data are usable without qualification.
_____ Data are usable with qualification.

Case Narrative Summary: Except as noted below, any of the issues noted in the laboratory case narrative potentially affecting data quality are addressed in the appropriate sections in the following table.

Review Parameter	Criteria Met?	Comments
Sample-specific Parameters	Complete with "Yes", "No", or "Not Applicable (N/A)".	For each "No" response, list what was out, associated acceptance limits, all qualified data, and bias direction or reference associated table with pertinent details.
Chain of Custody (COC) & Sample Receipt	Yes	The laboratory did not note any sample receipt discrepancies or samples being received outside the required temperature range. Qualification of data was not required.
Holding Times	Yes	All holding times were met.
Method Blanks	Yes	Target analytes were not reported outside the acceptable background range for the associated method blanks.
Matrix Quality Control • **MS/MSD** None • **LD** None	N/A	
Method Quality Control • NIST Sample Count	Yes	The measured count for the NIST known concentration sample were within the acceptable value and met the laboratory QC criterion.

Review Parameter	Criteria Met?	Comments
Field Quality Control • Field Duplicate None • Rinsate Blank N/A	N/A	Field duplicates were not collected for these events. Field duplicates were collect during separate events and report under different covers to meet project frequency requirements. An assessment could not be made for these samples.
MDCs Met?	NA	QC data was not provided to evaluate these review parameters. An assessment could not be made.
All Data Usable?	Yes	All data met criteria for the field samples and were usable as reported.
Package Completeness	Yes	Analytical data packages were complete.
Other Parameters	N/A	

COC = Chain of Custody
N/A = Not applicable
MDCs = Minimal Detectable Concentration
NIST = National Institute of Science and Technology
MS/MSD = Matrix Spike/ Matrix Spike Duplicate
QC = Quality Control