



August 18, 2010

Ms. Linda Spry O'Rourke
Colorado Oil & Gas Conservation Commission
707 Wapiti Court
Rifle CO 81650

Re: ALS Workorder: 10-07-167
Project Name: DCU6-Orphan
Project Number: None Submitted

Dear Ms. O'Rourke:

Two water samples were received from Colorado Oil & Gas Conservation Commission on July 15, 2010. The samples were scheduled for the following analyses:

Metals	pages 1-13
Inorganics	pages 1-24
GC/MS Volatiles	pages 1-34
Dissolved Gasses	pages 1-10
GC/MS Semivolatiles	pages 1-27
Total Organic Carbon	pages 1-9
Total Volatile Petroleum Hydrocarbons (Gasoline)	pages 1-17
Total Extractable Petroleum Hydrocarbons (Diesel)	pages 1-18

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in ALS Laboratory Group. Should you have any questions, please call.

Sincerely,

ALS Laboratory Group
Amy Wolf
Project Manager

ARW/mh
Enclosure (s): Report and Anion/Cation Summary Report

ADDRESS 225 Commerce Drive, Fort Collins, Colorado, USA 80524 : PHONE +1 970 490 1511 : FAX +1 970 490 1522

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Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

ALS is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

Accreditation Body	License or Certification Number
Washington	C1280
Utah	CO00078
Arizona	AZ0742
Alaska	UST-086
Alaska	CO00078
Florida	E87914
Missouri	175
North Dakota	R-057
New Jersey	CO003
Nevada	CO000782008A
California	06251CA
Kansas	E-10381
Maryland	285
Pennsylvania	68-03116
Texas	T104704241-09-1
Colorado	CO00078
Connecticut	PH-0232
Idaho	CO00078
Tennessee	2976
Kentucky	90137
L-A-B (DoD ELAP/ISO 17025)	L2257

Anion / Cation Summary Report

Lab ID: 1007167-1

QC Type: SMP

Field ID DCU #6

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	2453.115	MG/L	49.02
CHLORIDE	67.59789	MG/L	1.91
FLUORIDE	3.539808	MG/L	0.19
NITRATE AS N	1	MG/L	0.00
NITRITE AS N	0.5	MG/L	0.00
SULFATE	5	MG/L	0.00

Anion Result Sum 2530.75

Analyte	Final Result	Report Units	mEq
CALCIUM	13.70339	MG/L	0.68
IRON	0.1	MG/L	0.00
MAGNESIUM	2.685625	MG/L	0.22
MANGANESE	0.01	MG/L	0.00
POTASSIUM	19.81096	MG/L	0.51
SODIUM	932.3262	MG/L	40.55

Cation Result Sum 968.64

Total Result: 3499.39 MG/L

TDS Result: 2816.0002 MG/L

RPD: 21.64%

Anion mEq Sum: 51.12

Cation mEq Sum: 41.97

RPD: 19.66%

Below is a list of Lab IDs for this Order Number that were logged in for metals analyses. Note: if this area is empty then either no metals analyses were requested or the cations of interest were not requested.

1007167-1

ALS Laboratory Group -- FC

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 1007167

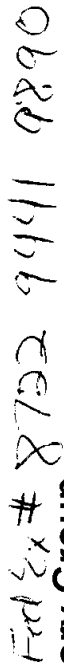
Client Name: COGCC

Client Project Name: DCU6-Orphan

Client Project Number:

Client PO Number: OE PHA 11000000014

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
DCU #6	1007167-1		WATER	15-Jul-10	12:00
Trip Blank	1007167-2		WATER	15-Jul-10	



Chain-of-Custody

TF: 800-443-1511 PH: 970-490-1511 FX: 970-490-1522

[illegible]



CONDITION OF SAMPLE UPON RECEIPT FORM

Client:

COGCC

Workorder No:

1007167

Project Manager:

ARW

Initials:

LAS

Date:

7/16/10

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	NO	
2. Are custody seals on shipping containers intact?	NONE	YES	NO	
3. Are Custody seals on sample containers intact?	NONE	YES	NO	
4. Is there a COC (Chain-of-Custody) present or other representative documents?		YES	NO	
5. Are the COC and bottle labels complete and legible?		YES	NO	
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		YES	NO	
7. Were airbills / shipping documents present and/or removable?	DROP OFF	YES	NO	
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES	NO	
9. Are all aqueous non-preserved samples pH 4-9?	N/A	YES	NO	
10. Is there sufficient sample for the requested analyses?		YES	NO	
11. Were all samples placed in the proper containers for the requested analyses?		YES	NO	
12. Are all samples within holding times for the requested analyses?		YES	NO	
13. Were all sample containers received intact ? (not broken or leaking, etc.)		YES	NO	
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <input checked="" type="checkbox"/> < green pea <input type="checkbox"/> > green pea	N/A	YES	NO	
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	N/A	YES	NO	
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	N/A	YES	NO	
17. Were the samples shipped on ice ?		YES	NO	
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: #2 #4	RAD ONLY	YES	NO
Cooler #: 1				
Temperature (°C): 2.6				
No. of custody seals on cooler: 2				
External µR/hr reading: 12				
Background µR/hr reading: 10				
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / NA (if no, see Form 008.)				

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16

*8 1007167-1-10 (DCU#6) 125ml amber initial pH = 7
0.4mL H₂SO₄ (Lot #49245) added by LAS @ 1040 7/16/10
Final pH < 2

*14 1007167-1-5, 1-6 40mL vials for GRO have headspace < pea size

If applicable, was the client contacted? YES / NO / NA

Contact:

Linda Sping Drouke

Date/Time:

7/19/10
C. Smith

Project Manager Signature / Date:

C. Smith 7/19/10

FedEx® US Airbill
Express

 FedEx
Tracking
Number

8722 9441 9890

0200

 Form
ID No.

 1007167
FedEx Retrieval Copy

 1 From
Date 7/15/2010 Sender's FedEx
Account Number 109146960

 Sender's Name
Linda Spry O'Rourke Phone 970 625 2197

 Company
Colo Oil & Gas Cons, Comm

 Address
707 Wapiti Ct Ste. 204

 City
Rifle State CO ZIP 81650

2 Your Internal Billing Reference

 3 To
Recipient's Name
Amy Wolfe/Sample Recovery 970 495 1511

 Company
ALS Laboratory Group

 Address
225 Commander

 City
Ft Collins State CO ZIP 80524

 Address
Use this line for the HOLD location address or for continuation of your shipping address

 City
Ft Collins State CO ZIP 80524

 Address
Maintains winter samples and water

 City
Ft Collins State CO ZIP 80524

 Address
Use this line for the HOLD location address or for continuation of your shipping address

 City
Ft Collins State CO ZIP 80524

 Address
Use this line for the HOLD location address or for continuation of your shipping address

 City
Ft Collins State CO ZIP 80524

 Address
Use this line for the HOLD location address or for continuation of your shipping address

 City
Ft Collins State CO ZIP 80524

 Address
Use this line for the HOLD location address or for continuation of your shipping address

Packages up to 150 lbs.

FedEx First Overnight

Earliest next business day delivery to select locations.

06

FedEx Standard Overnight

Next business afternoon.

05

FedEx Express Saver

Third business day.

20

FedEx 2Day

Second business day.

03

FedEx Priority Overnight

Next business morning.

01

FedEx 3Day Freight

Third business day.

83

FedEx 2Day Freight

Second business day.

02

FedEx Pak

Includes FedEx Small Pak and FedEx Large Pak.

04

FedEx Box

03

FedEx Tube

01

Other

00

Packages over 150 lbs.

FedEx Freight Service

To meet locations.

00

FedEx 1Day Freight

Next business day.

70

FedEx 2Day Freight

Second business day.

80

FedEx 3Day Freight

Third business day.

83

FedEx 4Day Freight

Fourth business day.

86

FedEx 5Day Freight

Fifth business day.

89

FedEx 6Day Freight

Sixth business day.

92

FedEx 7Day Freight

Seventh business day.

95

FedEx 8Day Freight

Eighth business day.

98

FedEx 9Day Freight

Ninth business day.

01

FedEx 10Day Freight

Tenth business day.

04

FedEx 11Day Freight

Eleventh business day.

07

FedEx 12Day Freight

Twelfth business day.

10

FedEx 13Day Freight

Thirteenth business day.

13

FedEx 14Day Freight

Fourteenth business day.

16

FedEx 15Day Freight

Fifteenth business day.

19

FedEx 16Day Freight

Sixteenth business day.

22

FedEx 17Day Freight

Seventeenth business day.

25

FedEx 18Day Freight

Eighteenth business day.

28

FedEx 19Day Freight

Nineteenth business day.

31

FedEx 20Day Freight

Twentieth business day.

34

FedEx 21Day Freight

Twenty-first business day.

37

FedEx 22Day Freight

Twenty-second business day.

40

FedEx 23Day Freight

Twenty-third business day.

43

FedEx 24Day Freight

Twenty-fourth business day.

46

FedEx 25Day Freight

Twenty-fifth business day.

49

FedEx 26Day Freight

Twenty-sixth business day.

52

FedEx 27Day Freight

Twenty-seventh business day.

55

FedEx 28Day Freight

Twenty-eighth business day.

58

FedEx 29Day Freight

Twenty-ninth business day.

61

FedEx 30Day Freight

Thirtieth business day.

64

FedEx 31Day Freight

Thirty-first business day.

67

FedEx 32Day Freight

Thirty-second business day.

70

FedEx 33Day Freight

Thirty-third business day.

73

FedEx 34Day Freight

Thirty-fourth business day.

76

FedEx 35Day Freight

Thirty-fifth business day.

79

FedEx 36Day Freight

Thirty-sixth business day.

82

FedEx 37Day Freight

Thirty-seventh business day.

85

FedEx 38Day Freight

Thirty-eighth business day.

88

FedEx 39Day Freight

Thirty-ninth business day.

91

FedEx 40Day Freight

Fortieth business day.

94

FedEx 41Day Freight

Forty-first business day.

97

FedEx 42Day Freight

Forty-second business day.

00

FedEx 43Day Freight

Forty-third business day.

03

FedEx 44Day Freight

Forty-fourth business day.

06

FedEx 45Day Freight

Forty-fifth business day.

09

FedEx 46Day Freight

Forty-sixth business day.

12

FedEx 47Day Freight

Forty-seventh business day.

15

FedEx 48Day Freight

Forty-eighth business day.

18

FedEx 49Day Freight

Forty-ninth business day.

21

FedEx 50Day Freight

Fiftieth business day.

24

FedEx 51Day Freight

Fifty-first business day.

27

FedEx 52Day Freight

Fifty-second business day.

30

FedEx 53Day Freight

Fifty-third business day.

33

FedEx 54Day Freight

Fifty-fourth business day.

36

FedEx 55Day Freight

Fifty-fifth business day.

39

FedEx 56Day Freight

Fifty-sixth business day.

42

FedEx 57Day Freight

Fifty-seventh business day.

45

FedEx 58Day Freight

Fifty-eighth business day.

48

FedEx 59Day Freight

Fifty-ninth business day.

51

FedEx 60Day Freight

Sixtieth business day.

54

FedEx 61Day Freight

Sixty-first business day.

57

FedEx 62Day Freight

Sixty-second business day.

60

FedEx 63Day Freight

Sixty-third business day.

63

FedEx 64Day Freight

Sixty-fourth business day.

66

FedEx 65Day Freight

Sixty-fifth business day.

69

FedEx 66Day Freight

Sixty-sixth business day.

72

FedEx 67Day Freight

Sixty-seventh business day.

75

FedEx 68Day Freight

Sixty-eighth business day.

78

FedEx 69Day Freight

Sixty-ninth business day.

81

FedEx 70Day Freight

Seventieth business day.

84

FedEx 71Day Freight

Seventy-first business day.

87

FedEx 72Day Freight

Seventy-second business day.

90

FedEx 73Day Freight

Seventy-third business day.

93

FedEx 74Day Freight

Seventy-fourth business day.

96

FedEx 75Day Freight

Seventy-fifth business day.

99

FedEx 76Day Freight

Seventy-sixth business day.

02

FedEx 77Day Freight

Seventy-seventh business day.

05

FedEx 78Day Freight

Seventy-eighth business day.

08

FedEx 79Day Freight

Seventy-ninth business day.

11

FedEx 80Day Freight

Eightieth business day.

14

FedEx 81Day Freight

Eighty-first business day.

17

FedEx 82Day Freight

Eighty-second business day.

20

FedEx 83Day Freight

Eighty-third business day.

23

FedEx 84Day Freight

Eighty-fourth business day.

26

FedEx 85Day Freight

Eighty-fifth business day.

29

FedEx 86Day Freight

Eighty-sixth business day.