



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Dave Nicholson  
Berry Petroleum Company - Denver, CO  
1999 Broadway, Suite 3700  
Denver, CO 80202

## Report Summary

Thursday May 12, 2011

Report Number: L514659

Samples Received: 05/06/11

Client Project: 202-01

Description: Berry Pit Permitting

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Dave Nicholson  
Berry Petroleum Company - Denver, C  
1999 Broadway, Suite 3700  
Denver, CO 80202

May 12, 2011

Date Received : May 06, 2011  
Description : Berry Pit Permitting

Sample ID : C-19 PW

Collected By : D. Nicholson  
Collection Date : 05/05/11 12:50

ESC Sample # : L514659-01

Site ID :

Project # : 202-01

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	72.	1.0	mg/l	300.0	05/06/11	1
Chloride	10000	100	mg/l	300.0	05/07/11	100
Fluoride	0.63	0.50	mg/l	300.0	05/07/11	5
Nitrate	BDL	0.10	mg/l	300.0	05/07/11	1
Nitrite	BDL	0.10	mg/l	300.0	05/06/11	1
Sulfate	16.	5.0	mg/l	300.0	05/06/11	1
Alkalinity	930	20.	mg/l	2320B	05/06/11	1
pH	6.2		su	4500H-B	05/07/11	1
Phosphate,Ortho	BDL	1.2	mg/l	4500P-E	05/07/11	50
Specific Conductance	2700		umhos/cm	120.1	05/11/11	1
Dissolved Solids	17000	10.	mg/l	2540C	05/12/11	1
Selenium,Dissolved	0.14	0.010	mg/l	200.8	05/10/11	10
Calcium,Dissolved	160	0.50	mg/l	200.7	05/08/11	1
Iron,Dissolved	18.	0.10	mg/l	200.7	05/08/11	1
Magnesium,Dissolved	12.	0.10	mg/l	200.7	05/08/11	1
Manganese,Dissolved	0.32	0.010	mg/l	200.7	05/08/11	1
Potassium,Dissolved	48.	0.50	mg/l	200.7	05/08/11	1
Sodium,Dissolved	5100	5.0	mg/l	200.7	05/09/11	10
Benzene	14.	0.10	mg/l	602	05/09/11	200
Toluene	38.	1.0	mg/l	602	05/09/11	200
Ethylbenzene	3.7	0.10	mg/l	602	05/09/11	200
Total Xylene	45.	0.30	mg/l	602	05/09/11	200
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	109.		% Rec.	602	05/09/11	200

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/12/11 13:31 Printed: 05/12/11 13:31

L514659-01 (PH) - 6.2@19.3c

L514659-01 (PORTHO) - diluted due to turbidity interference