



Field Report

Summary of Field Operations

Cirque Resources Incorporated
Lightner Creek #18-3H
Heath Formation
Big Snowy Trough Basin
Petroleum County, Montana

Submitted to:
Rich Bottjer

Prepared By: Peter Abrahamson
Lead Engineer
Weatherford Laboratories
Project No. CO-51560

April 25th, 2011

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INTRODUCTION

Weatherford Laboratories (WFT Labs) has determined the field activity of collecting core as one of the most important elements when fully characterizing a target reservoir. WFT Labs has developed best practices to ensure core samples are handled, stabilized and preserved correctly in order to complete uncompromised field and laboratory testing. The following report will summarize wellsite activities in the following tables:

- Well and Formation Summary
- Coring Operations Summary
- Desorption Sample Summary (if applicable)
- Preserved Sample Summary (if applicable)
- Daily Field Reports
- Core Photos (if applicable)

Well and Formation Summary			
WELL INFORMATION			
Exact Operator Name	Buddie Livingston	API #	2506921170
Exact Well Name	Lightner Creek #18-3H	AFE #	TBD
Basin	Big Snowy Trough	Field Designation	Wildcat
County, State	Petroleum Co., Montana	Elevation in Feet (GL & KB)	GL 2748 kb 2763
Section, Township, Range	Sec 18 T14N R29E	Coordinates (x,y)	Lat=46.980675; Long=108.096330; NAD 83
CORING PARAMETERS			
Coring Date	4/17/2011	Coring Contractor	NOV
Core Point (feet)	3625	Total Number of Cores	2 x 60', total 120'
Diameter of Core (inches)	4 in	Length of Core Barrel (feet)	60 ft
Liner Type	Aluminum	Retrevel Method	Conventional
RESERVOIR PARAMETERS			
Target Formation(s)	Heath		

Summary of Coring Operations											
Core Run	Formation	Cored Interval Top	Cored Interval Bottom	Cored Length Cored	Core Length Recovered	Recovery Percentage	Date & Time Start Coring	Date & Time End Coring	Date & Time Start TOH	Date & Time Core at Surface	Core Recovery Time
#	name	feet	feet	feet	feet	%	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	hh:mm:ss
1	Heath Shale	3625.0	3685.0	60.0	59.6	99.0	04/17/11 13:52:00	04/17/11 17:18:00	04/17/11 17:55:00	04/17/11 19:50:00	1:55:00
2	Heath Shale	3685.0	3740.0	61.0	35.6	58.0	04/18/11 04:22:00	04/18/11 05:27:00	04/18/11 5:42:00	04/18/11 08:05:00	2:47:00

Appendix I

Daily Field Reports

Travel Daily Field Report			
Start Date:	4/15/2011	End Date:	4/16/2011
Start Time:	8:30:00	Finish Time:	18:00:00
Submitted To:	Rich Bottjer	Submitted By:	Peter Abrahamson
Project Information			
Operator Name:	Cirque Resources Incorporated	API Number:	2506921170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum Co., Montana
WFT Labs Project Number:	CO-51560	Elevation (feet) GL & KB:	GL 2748 kb 2763
Daily Wellsite Operations:	Mobilized from Golden, CO office and traveled to Billings, Montana and lodged for the night.		

Travel Daily Field Report			
Start Date:	4/16/2011	End Date:	4/17/2011
Start Time:	8:30:00	Finish Time:	18:00:00
Submitted To:	Rich Bottjer	Submitted By:	Peter Abrahamson
Project Information			
Operator Name:	Cirque Resources Incorporated	API Number:	2506921170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum Co., Montana
WFT Labs Project Number:	CO-51560	Elevation (feet) GL & KB:	GL 2748 kb 2763
Daily Wellsite Operations:	Departed Billings, Montana after contacting the company man 0900 hrs. Traveled to the rig to check in. Departed rig at 12:00 PM and drove to Lewistown to check into hotel.		

Wellsite Daily Field Report											
Start Date:	4/17/2011				End Date:	4/18/2011					
Start Time:	9:00:00				Finish Time:	23:00:00					
Submitted To:	Rich Bottjer				Submitted By:	Peter Abrahamson					
Project Information											
Operator Name:	Cirque Resources Incorporated				API Number:	25-069-21170					
Well Name:	Lightner Creek #18-3H				County, State:	Petroleum County, Montana					
WFT Labs Project Number:	CO-51560				Elevation (feet) GL & KB:	GL 2748 kb 2763					
Well Information											
Basin:	Big Snowny Trough				Circulation Fluid Temp. (°F)	N/A					
Sec, Township and Range:	Sec 18 T14N R29E				Coordinates (x,y):	Lat=49.980675; Long=108.09330 NAD 83					
Formation(s):	Heath Shale				ummulative Core Recovered:	59.6 Feet					
Cored Interval (feet):	3625.0 - 3685.0				Core Recovered:	59.6 Feet					
Daily Wellsite Operations:	Mobilized to wellsite at 14:00, and arrived at 15:00. Started processing core at 21:00, and finished processing at 23:30.										
Summary of Coring Operations											
Core Run	Formation	Cored Interval Top	Cored Interval Bottom	Length Cored	Core Length Recovered	Recovery Percentage	Date & Time Start Coring	Date & Time End Coring	Date & Time Start TOH	Date & Time Core at Surface	Core Recovery Time
#	name	feet	feet	feet	feet	%	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	hh:mm:ss
1	Heath Shale	3625.0	3685.0	60.0	59.6	99.0	4/17/11 13:52:00	4/17/11 17:18:00	4/17/11 17:55:00	4/17/11 19:50:00	01:55:00

Wellsite Daily Field Report											
Start Date:	4/18/2011				End Date:	4/19/2011					
Start Time:	9:00:00				Finish Time:	23:00:00					
Submitted To:	Rich Bottjer				Submitted By:	Peter Abrahamson					
Project Information											
Operator Name:	Cirque Resources Incorporated				API Number:	2506921170					
Well Name:	Lightner Creek #18-3H				County, State:	Petroleum County, Montana					
WFT Labs Project Number:	CO-51560				Elevation (feet) GL & KB:	GL 2748 kb 2763					
Well Information											
Basin:	Big Snowny Trough				Circulation Fluid Temp. (°F)	N/A					
Sec, Township and Range:	Sec 18 T14N R29E				Coordinates (x,y):	Lat=49.980675; Long=108.09330 NAD 83					
Formation(s):	Heath Shale				mmulative Core Recovered:	95.2 Feet					
Cored Interval (feet):	3625.0 - 3685.0				Core Recovered:	35.6 Feet					
Daily Wellsite Operations:	Stayed the night on wellsite. Started processing core at 9:00, and finished processing at 10:30. Left wellsite and went to hotel in Lewistown. Left Lewistown at 15:00 and drove to Sheridan, WY for the night.										
Summary of Coring Operations											
Core Run	Formation	Cored Interval Top	Cored Interval Bottom	Length Cored	Core Length Recovered	Recovery Percentage	Date & Time Start Coring	Date & Time End Coring	Date & Time Start TOH	Date & Time Core at Surface	Core Recovery Time
#	name	feet	feet	feet	feet	%	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	mm/dd/yy hh:mm:ss	hh:mm:ss
2	Heath Shale	3685.0	3740.0	61.0	35.6	58.0	4/18/11 4:22:00	4/18/11 5:27:00	4/18/11 5:42:00	4/18/11 8:05:00	02:47:00

Travel Daily Field Report			
Start Date:	4/19/2011	End Date:	4/20/2011
Start Time:	7:30:00	Finish Time:	22:00:00
Submitted To:	Rich Bottjer	Submitted By:	Peter Abrahamson
Project Information			
Operator Name:	Cirque Resources Incorporated	API Number:	2506921170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum Co., Montana
WFT Labs Project Number:	CO-51560	Elevation (feet) GL & KB:	GL 2748 kb 2763
Daily Wellsite Operations:	Departed from wellsite and travelled to Weatherford Labs Golden facilities to drop off equipment. Departed to WFT Labs located in Houston, TX for Spectral Gamma and CT Scans.		

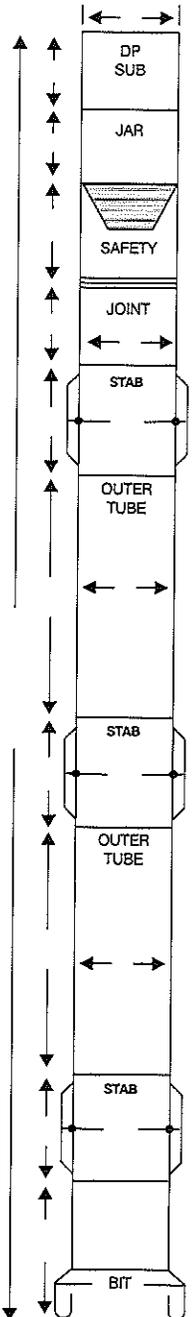
Wellsite Daily Field Report			
Start Date:	4/21/2011	End Date:	4/22/2011
Start Time:	8:00:00	Finish Time:	17:00:00
Submitted To:	Rich Bottjer	Submitted By:	Peter Abrahamson
Project Information			
Operator Name:	Cirque Resources Incorporated	API Number:	2506921170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum County, Montana
WFT Labs Project Number:	CO-51560	Elevation (feet) GL & KB:	GL 2748 kb 2763
Well Information			
Basin:	Big Snowny Trough	Circulation Fluid Temp. (°F)	N/A
Sec, Township and Range:	Sec 18 T14N R29E	Coordinates (x,y):	Lat=49.980675; Long=108.09330 NAD 83
Formation(s):	Heath Shale	Immulative Core Recovered:	95.2 Feet
Cored Interval (feet):	3625.0 - 3685.0	Core Recovered:	35.6 Feet
Daily Wellsite Operations:	Performed CT-Scan and Spectral Gamma on core at Weatherford Labs Houston, Texas.		

Travel Daily Field Report			
Start Date:	4/22/2011	End Date:	4/23/2011
Start Time:	7:30:00	Finish Time:	22:00:00
Submitted To:	Rich Bottjer	Submitted By:	Peter Abrahamson
Project Information			
Operator Name:	Cirque Resources Incorporated	API Number:	2506921170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum Co., Montana
WFT Labs Project Number:	CO-51560	Elevation (feet) GL & KB:	GL 2748 kb 2763
Daily Wellsite Operations:	Departed from WFT Labs Houston, TX and travelled to Golden, CO where core was placed in cooling room until client to view on Tuesday, April 26th.		

Appendix II

Core Logs

FEET	M	DEPTH	TIME	MIN. / METER or FOOT		MUD REPORT & REMARKS	WEIGHT	PUMP: LINER SIZE		
				ACTUAL	LOST			STROKE LENGTH	RPM	PRESSURE
1	0.2	3625	2:52			Vis 57 mW 100S	24K	50	900	96
2	0.4						2	60	940	96
3	0.6					WL 3 Ph 9.3	9.5	60		
4	0.8						5.5	60	915	96
5	1.0						7	60	905	
6	1.2						7	60	900	96
7	1.4						7	60	885	
8	1.6						8	60	890	96
9	1.8						8	60	910	96
10	2.0						8	60	920	
11	2.2						8	60	925	
12	2.4						8	60	970	96
13	2.6						8	60	910	96
14	2.8						8	60	920	
15	3.0						8	60	925	
16	3.2						8	60	970	96
17	3.4						8	60	920	
18	3.6						8	60	860	
19	3.8						8	60	880	96
20	4.0						8	60	900	
21	4.2						8	60	875	96
22	4.4						8	60	875	95
23	4.6						8	60	915	95
24	4.8						8	60	875	
25	5.0						8	60	905	95
26	5.2						8	60	885	
27	5.4						8	60	900	94
28	5.6						8	60	915	94
29	5.8						8	60	845	
30	6.0						8	60	850	
31	6.2						8	60	865	94
32	6.4						8	60	880	94
33	6.6						8	60	865	
34	6.8						8	60	880	94
35	7.0						8	60	865	
36	7.2						8	60	880	94
37	7.4						8	60	865	
38	7.6						8	60	880	94
39	7.8						8	60	865	
40	8.0						8	60	880	94
41	8.2						8	60	865	
42	8.4						8	60	880	94
43	8.6						8	60	865	
44	8.8						8	60	880	94
45	9.0						8	60	865	
46	9.2						8	60	880	94
47	9.4						8	60	865	
48	9.6						8	60	880	94
49	9.8						8	60	865	
50	10.0						8	60	880	94
51	10.2					Rocke Condit #	8	60	865	94
52	10.4					at Bottom	8	60	865	94
53	10.6						8	60	865	94
54	10.8						8	60	865	94
55	11.0						8	60	865	94
56	11.2						8	60	865	94
57	11.4						8	60	865	94
58	11.6						8	60	865	94
59	11.8						8	60	865	94
60	12.0	3685					8	60	865	94



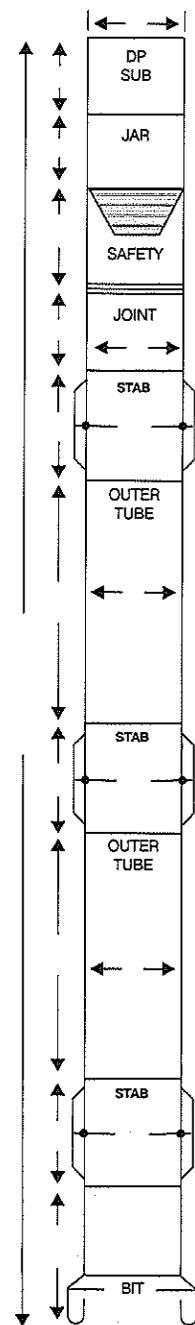
CORING LOG FROM



Date 04/17/11 Coring Technician Shalon Melenius/Scott Bird
 Company Cirque Contractor True 19
 Well Name and No. Lighter Creek 1B-3H
 Province / State MT Field / County Petroleum
 Hole Size 8 3/4 Bit Size 8 3/4 X 4
 Bit Type IX 913 Bit S/N 3318140
 Bbl Size 6 3/4 X 4 X 60 Bbl S/N 675-02 Jar S/N 9931
 Core No. 1 Depth: From 3625 To 3685
 Total Cored 60ft Recovered 659.61ft
 Hours 2hr 26min Formation Cored Health shale
 Description Shale
 Time Reaming To Bottom 37 mins
 Mud Flowrate 350 bpm

Dipped ball @ 2:43
 sealed @ 2:48 350 bpm

FEET	START M	DEPTH	TIME	MIN. / METER or FOOT		MUD REPORT & REMARKS	WEIGHT	PUMP: LINER SIZE 6 1/2		
				ACTUAL	LOST			STROKE LENGTH 9		
							50 RPM	PRESSURE	STROKE / MIN.	
1	0.2	3685	4:22				2-4K			
2	0.4	6	4:23	1		V.556 mW10.5	2	860	96	
3	0.6	7	4:25	2			2			
4	0.8	8	4:26	1		WL2.2 PH 9.3	2			
5	1.0	9	4:27	1			3			
6	1.2	3690	4:28	1						
7	1.4									
8	1.6						4			
9	1.8		4:29	1						
10	2.0	5	4:30	1			4	830		
11	2.2	6	4:31	1						
12	2.4	7	4:32	1						
13	2.6	8	4:33	1				840	96	
14	2.8	9	4:34	1						
15	3.0	3700	4:34	1			5	60		
16	3.2		4:35	1						
17	3.4		4:36	1						
18	3.6		4:40	4			5	830	96	
19	3.8		4:41	1						
20	4.0		4:41	1		Connection				
21	4.2		4:52	10			5	875	96	
22	4.4		4:53	1						
23	4.6		4:55	2						
24	4.8		4:56	1						
25	5.0	3710	4:57	1						
26	5.2									
27	5.4		4:58	1			5	860	96	
28	5.6									
29	5.8		4:59	1						
30	6.0		5:00	1						
31	6.2		5:01	1			5	60	890	96
32	6.4									
33	6.6		5:02	1				915	96	
34	6.8									
35	7.0	3720	5:03	1		300 GPM	5	60	715	82
36	7.2									
37	7.4		5:04	1						
38	7.6									
39	7.8		5:05	1						
40	8.0		5:06	1			5	60	655	82
41	8.2		5:07	1						
42	8.4		5:08	1						
43	8.6		5:10	2				700		
44	8.8		5:11	1						
45	9.0	3730								
46	9.2		5:12	1						
47	9.4		5:13	1						
48	9.6		5:14	1						
49	9.8									
50	10.0		5:15	1						
51	10.2		5:17	2		possible bit at bottom	5	60	700	82
52	10.4		5:18	1						
53	10.6		5:19	1						
54	10.8		5:20	1						
55	11.0	3740	5:22	2						
56	11.2									
57	11.4		5:23	1						
58	11.6									
59	11.8		5:25	1						
60	12.0		5:26	1						
	12.2		5:27	1						
	12.4									
	12.6									
	12.8									
	13.0									
	13.2									
	13.4									
	13.6									
	13.8									
	14.0									
	14.2									
	14.4									
	14.6									
	14.8									
	15.0									
	15.2									
	15.4									
	15.6									
	15.8									
	16.0									
	16.2									
	16.4									
	16.6									
	16.8									
	17.0									
	17.2									
	17.4									
	17.6									
	17.8									
	18.0									
	18.2									



CORING LOG FROM



Date April 18, 11 Coring Technician Shalom Volenakis/Scott Boyd
Company CIS9we Contractor True 19
Well Name and No. Light Creek 18-34
Province / State MT Field / County Petroleum
Hole Size 8 3/4 Bit Size 8 3/4 X 4
Bit Type DX-913 Bit S/N 3318140
Bbl Size 6 3/4 X 4 X 60 Bbl S/N 675-02 Jar S/N 9931
Core No. 2 Depth: From 3685 To 3746
Total Cored 61ft Recovered 33.10ft
Hours 56min Formation Cored Heath shale
Description Shale, coal
Time Reaming To Bottom 15min
Mud Flowrate 350 GPM

Appendix III

Core Inventory (Tube List)



Wellsite Core Inventory : CORE NUMBER 1

Project Information

Client Name:	Cirque Resources	API #:	25-069-21170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum Co., Montana
Project #:	CO-51560	Date:	4/17/2011

Note: Designate Each Desorption Sample as "Project Number_1,2,3 etc." / Preservation Sample as "Project Number_1A,2A,3A etc."

Tube Number	WFT Labs Number	Sample Type	Top Depth (feet)	Bottom Depth (feet)	Tube Length (feet)
1	CO-51560		3625.0	3628.0	3.0
2	CO-51560		3628.0	3631.0	3.0
3	CO-51560		3631.0	3634.0	3.0
4	CO-51560		3634.0	3637.0	3.0
5	CO-51560		3637.0	3640.0	3.0
6	CO-51560		3640.0	3643.0	3.0
7	CO-51560		3643.0	3646.0	3.0
8	CO-51560		3646.0	3649.0	3.0
9	CO-51560		3649.0	3651.3	2.3
10	CO-51560	Coupling #1	3651.3	3653.4	2.1
11	CO-51560		3653.4	3656.0	2.6
12	CO-51560		3656.0	3659.0	3.0
13	CO-51560		3659.0	3662.0	3.0
14	CO-51560		3662.0	3665.0	3.0
15	CO-51560		3665.0	3668.0	3.0
16	CO-51560		3668.0	3671.0	3.0
17	CO-51560		3671.0	3674.0	3.0
18	CO-51560		3674.0	3677.0	3.0
19	CO-51560		3677.0	3680.0	3.0
20	CO-51560		3680.0	3683.0	3.0
21	CO-51560	Shoe	3683.0	3684.6	1.6
				Total Footage:	59.6



Wellsite Core Inventory : CORE NUMBER 2

Project Information

Client Name:	Cirque Resources	API #:	25-069-21170
Well Name:	Lightner Creek #18-3H	County, State:	Petroleum Co., Montana
Project #:	CO-51560	Date:	4/18/2011

Note: Designate Each Desorption Sample as "Project Number_1,2,3 etc." / Preservation Sample as "Project Number_1A,2A,3A etc."

Tube Number	WFT Labs Number	Sample Type	Top Depth (feet)	Bottom Depth (feet)	Tube Length (feet)
1	CO-51560		3685.0	3687.5	2.5
2	CO-51560	Coupling #1	3687.5	3689.0	1.5
3	CO-51560		3689.0	3692.0	3.0
4	CO-51560		3692.0	3695.0	3.0
5	CO-51560		3695.0	3698.0	3.0
6	CO-51560		3698.0	3701.0	3.0
7	CO-51560		3701.0	3704.0	3.0
8	CO-51560		3704.0	3707.0	3.0
9	CO-51560		3707.0	3710.0	3.0
10	CO-51560		3710.0	3713.0	3.0
11	CO-51560		3713.0	3716.0	3.0
12	CO-51560		3716.0	3719.0	3.0
13	CO-51560	Shoe	3719.0	3720.6	1.6
				Total Footage:	35.6

Appendix IV

Core Gamma