

Cirque Resources LP

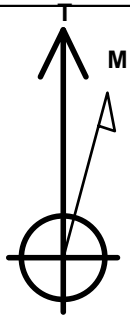
Well Name: **Railay 28-3-1CH**

Surface Location: Railay 28-3-1CH Sec.28-T12N-R66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 6133.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1602603.40	3197802.64	40.985310	-104.783590	
RKB - 25' WELL @ 6158.0ft (RKB - 25')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 280'FNL & 1980'FWL	1.0	0.0	0.0	Point
BHL 310'FSL & 2080'FWL	9193.0	-4645.4	0.0	Point



Azimuths to True North
Magnetic North: 8.52°

Magnetic Field
Strength: 53107.2nT
Dip Angle: 67.41°
Date: 6/11/2014
Model: IGRF2010

Railay 28-3-1CH Sec.28-T12N-R66W

Railay 28-3-1CH

Plan #1 (6-11-14)

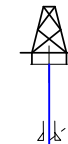
17:23, June 11 2014

ANNOTATIONS

TVD	MD	Annotation
8553.6	8553.6	KOP - Start Build 9.00
9190.2	9553.1	Start 4009.3 hold at 9553.1 MD
9193.0	13562.4	TD at 13562.4

South(-)/North(+) (1600 ft/in)

SHL 280'FNL & 1980'FWL

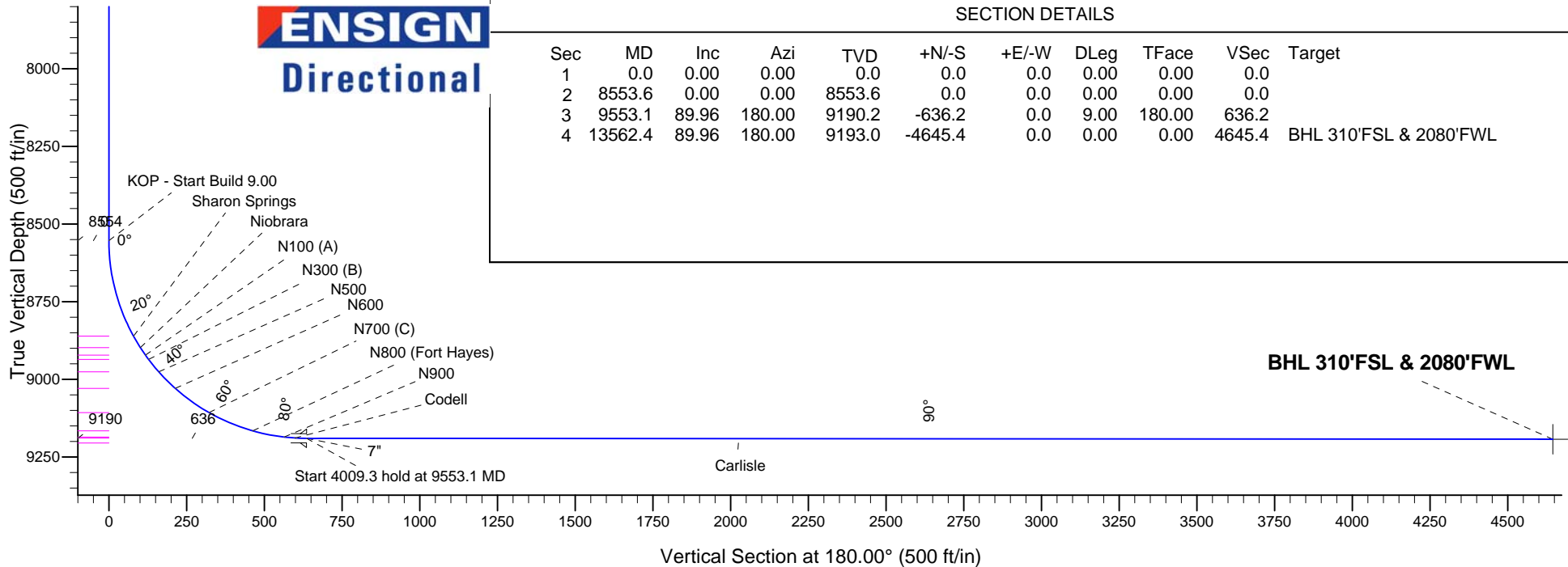


Casing Pt. 916'FNL
& 1980'FWL

BHL 310'FSL & 2080'FWL

Railay 28-3-1CH

West(-)/East(+) (1600 ft/in)





Cirque Resources LP

Sec.28-T12-R66W

Railay 28-3-1CH Sec.28-T12N-R66W

Railay 28-3-1CH

Wellbore #1

Plan: Plan #1 (6-11-14)

Standard Planning Report

11 June, 2014

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,553.6	0.00	0.00	8,553.6	0.0	0.0	0.00	0.00	0.00	0.00	
9,553.1	89.96	180.00	9,190.2	-636.2	0.0	9.00	9.00	0.00	180.00	
13,562.4	89.96	180.00	9,193.0	-4,645.4	0.0	0.00	0.00	0.00	0.00	BHL 310'FSL & 20E

Database:	Landmark	Local Co-ordinate Reference:	Well Railway 28-3-1CH
Company:	Cirque Resources LP	TVD Reference:	WELL @ 6158.0ft (RKB - 25')
Project:	Sec.28-T12-R66W	MD Reference:	WELL @ 6158.0ft (RKB - 25')
Site:	Railay 28-3-1CH Sec.28-T12N-R66W	North Reference:	True
Well:	Railay 28-3-1CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-11-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 280'FNL & 1980'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,048.0	0.00	0.00	2,048.0	0.0	0.0	0.0	0.00	0.00	0.00
Fox Hills									
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,565.0	0.00	0.00	4,565.0	0.0	0.0	0.0	0.00	0.00	0.00
Teapot									
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Railway 28-3-1CH
Company:	Cirque Resources LP	TVD Reference:	WELL @ 6158.0ft (RKB - 25')
Project:	Sec.28-T12-R66W	MD Reference:	WELL @ 6158.0ft (RKB - 25')
Site:	Railay 28-3-1CH Sec.28-T12N-R66W	North Reference:	True
Well:	Railay 28-3-1CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-11-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,536.0	0.00	0.00	5,536.0	0.0	0.0	0.0	0.00	0.00	0.00
Parkman									
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,880.0	0.00	0.00	5,880.0	0.0	0.0	0.0	0.00	0.00	0.00
Pierre Upper Mkr									
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,451.0	0.00	0.00	7,451.0	0.0	0.0	0.0	0.00	0.00	0.00
Shannon									
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,553.6	0.00	0.00	8,553.6	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 9.00									
8,600.0	4.18	180.00	8,600.0	-1.7	0.0	1.7	9.00	9.00	0.00
8,700.0	13.18	180.00	8,698.7	-16.8	0.0	16.8	9.00	9.00	0.00
8,800.0	22.18	180.00	8,793.9	-47.1	0.0	47.1	9.00	9.00	0.00
8,874.4	28.87	180.00	8,861.0	-79.1	0.0	79.1	9.00	9.00	0.00
Sharon Springs									
8,900.0	31.18	180.00	8,883.2	-91.9	0.0	91.9	9.00	9.00	0.00
8,917.5	32.75	180.00	8,898.0	-101.2	0.0	101.2	9.00	9.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Railway 28-3-1CH
Company:	Cirque Resources LP	TVD Reference:	WELL @ 6158.0ft (RKB - 25')
Project:	Sec.28-T12-R66W	MD Reference:	WELL @ 6158.0ft (RKB - 25')
Site:	Railay 28-3-1CH Sec.28-T12N-R66W	North Reference:	True
Well:	Railay 28-3-1CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-11-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
Niobrara										
8,946.5	35.36	180.00	8,922.0	-117.4	0.0	117.4	9.00	9.00	0.00	
N100 (A)										
8,963.8	36.92	180.00	8,936.0	-127.7	0.0	127.7	9.00	9.00	0.00	
N300 (B)										
9,000.0	40.18	180.00	8,964.3	-150.2	0.0	150.2	9.00	9.00	0.00	
9,015.5	41.57	180.00	8,976.0	-160.3	0.0	160.3	9.00	9.00	0.00	
N500										
9,090.4	48.31	180.00	9,029.0	-213.2	0.0	213.2	9.00	9.00	0.00	
N600										
9,100.0	49.18	180.00	9,035.3	-220.5	0.0	220.5	9.00	9.00	0.00	
9,200.0	58.18	180.00	9,094.5	-300.9	0.0	300.9	9.00	9.00	0.00	
9,224.5	60.38	180.00	9,107.0	-322.0	0.0	322.0	9.00	9.00	0.00	
N700 (C)										
9,300.0	67.18	180.00	9,140.4	-389.7	0.0	389.7	9.00	9.00	0.00	
9,377.5	74.15	180.00	9,166.0	-462.8	0.0	462.8	9.00	9.00	0.00	
N800 (Fort Hayes)										
9,400.0	76.18	180.00	9,171.8	-484.5	0.0	484.5	9.00	9.00	0.00	
9,480.4	83.41	180.00	9,186.0	-563.6	0.0	563.6	9.00	9.00	0.00	
N900										
9,500.0	85.18	180.00	9,187.9	-583.1	0.0	583.1	9.00	9.00	0.00	
9,514.5	86.48	180.00	9,189.0	-597.5	0.0	597.5	9.00	9.00	0.00	
Codell										
9,553.1	89.96	180.00	9,190.2	-636.1	0.0	636.1	9.00	9.00	0.00	
Start 4009.3 hold at 9553.1 MD - 7"										
9,600.0	89.96	180.00	9,190.2	-683.0	0.0	683.0	0.01	0.01	0.00	
9,700.0	89.96	180.00	9,190.3	-783.0	0.0	783.0	0.00	0.00	0.00	
9,800.0	89.96	180.00	9,190.4	-883.0	0.0	883.0	0.00	0.00	0.00	
9,900.0	89.96	180.00	9,190.4	-983.0	0.0	983.0	0.00	0.00	0.00	
10,000.0	89.96	180.00	9,190.5	-1,083.0	0.0	1,083.0	0.00	0.00	0.00	
10,100.0	89.96	180.00	9,190.6	-1,183.0	0.0	1,183.0	0.00	0.00	0.00	
10,200.0	89.96	180.00	9,190.7	-1,283.0	0.0	1,283.0	0.00	0.00	0.00	
10,300.0	89.96	180.00	9,190.7	-1,383.0	0.0	1,383.0	0.00	0.00	0.00	
10,400.0	89.96	180.00	9,190.8	-1,483.0	0.0	1,483.0	0.00	0.00	0.00	
10,500.0	89.96	180.00	9,190.9	-1,583.0	0.0	1,583.0	0.00	0.00	0.00	
10,600.0	89.96	180.00	9,190.9	-1,683.0	0.0	1,683.0	0.00	0.00	0.00	
10,700.0	89.96	180.00	9,191.0	-1,783.0	0.0	1,783.0	0.00	0.00	0.00	
10,800.0	89.96	180.00	9,191.1	-1,883.0	0.0	1,883.0	0.00	0.00	0.00	
10,900.0	89.96	180.00	9,191.1	-1,983.0	0.0	1,983.0	0.00	0.00	0.00	
11,000.0	89.96	180.00	9,191.2	-2,083.0	0.0	2,083.0	0.00	0.00	0.00	
11,100.0	89.96	180.00	9,191.3	-2,183.0	0.0	2,183.0	0.00	0.00	0.00	
11,200.0	89.96	180.00	9,191.4	-2,283.0	0.0	2,283.0	0.00	0.00	0.00	
11,300.0	89.96	180.00	9,191.4	-2,383.0	0.0	2,383.0	0.00	0.00	0.00	
11,400.0	89.96	180.00	9,191.5	-2,483.0	0.0	2,483.0	0.00	0.00	0.00	
11,500.0	89.96	180.00	9,191.6	-2,583.0	0.0	2,583.0	0.00	0.00	0.00	
11,600.0	89.96	180.00	9,191.6	-2,683.0	0.0	2,683.0	0.00	0.00	0.00	
11,700.0	89.96	180.00	9,191.7	-2,783.0	0.0	2,783.0	0.00	0.00	0.00	
11,800.0	89.96	180.00	9,191.8	-2,883.0	0.0	2,883.0	0.00	0.00	0.00	
11,900.0	89.96	180.00	9,191.8	-2,983.0	0.0	2,983.0	0.00	0.00	0.00	
12,000.0	89.96	180.00	9,191.9	-3,083.0	0.0	3,083.0	0.00	0.00	0.00	
12,100.0	89.96	180.00	9,192.0	-3,183.0	0.0	3,183.0	0.00	0.00	0.00	
12,200.0	89.96	180.00	9,192.0	-3,283.0	0.0	3,283.0	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Railway 28-3-1CH
Company:	Cirque Resources LP	TVD Reference:	WELL @ 6158.0ft (RKB - 25')
Project:	Sec.28-T12-R66W	MD Reference:	WELL @ 6158.0ft (RKB - 25')
Site:	Railay 28-3-1CH Sec.28-T12N-R66W	North Reference:	True
Well:	Railay 28-3-1CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-11-14)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
12,300.0	89.96	180.00	9,192.1	-3,383.0	0.0	3,383.0	0.00	0.00	0.00	
12,400.0	89.96	180.00	9,192.2	-3,483.0	0.0	3,483.0	0.00	0.00	0.00	
12,500.0	89.96	180.00	9,192.3	-3,583.0	0.0	3,583.0	0.00	0.00	0.00	
12,600.0	89.96	180.00	9,192.3	-3,683.0	0.0	3,683.0	0.00	0.00	0.00	
12,700.0	89.96	180.00	9,192.4	-3,783.0	0.0	3,783.0	0.00	0.00	0.00	
12,800.0	89.96	180.00	9,192.5	-3,883.0	0.0	3,883.0	0.00	0.00	0.00	
12,900.0	89.96	180.00	9,192.5	-3,983.0	0.0	3,983.0	0.00	0.00	0.00	
13,000.0	89.96	180.00	9,192.6	-4,083.0	0.0	4,083.0	0.00	0.00	0.00	
13,100.0	89.96	180.00	9,192.7	-4,183.0	0.0	4,183.0	0.00	0.00	0.00	
13,200.0	89.96	180.00	9,192.7	-4,283.0	0.0	4,283.0	0.00	0.00	0.00	
13,300.0	89.96	180.00	9,192.8	-4,383.0	0.0	4,383.0	0.00	0.00	0.00	
13,400.0	89.96	180.00	9,192.9	-4,483.0	0.0	4,483.0	0.00	0.00	0.00	
13,500.0	89.96	180.00	9,193.0	-4,583.0	0.0	4,583.0	0.00	0.00	0.00	
13,562.4	89.96	180.00	9,193.0	-4,645.4	0.0	4,645.4	0.00	0.00	0.00	
TD at 13562.4 - BHL 310'FSL & 2080'FWL										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
9,553.1	9,190.2	7"	7	7-1/2	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,048.0	2,048.0	Fox Hills				
4,565.0	4,565.0	Teapot				
5,536.0	5,536.0	Parkman				
5,880.0	5,880.0	Pierre Upper Mkr				
7,451.0	7,451.0	Shannon				
8,874.4	8,861.0	Sharon Springs				
8,917.5	8,898.0	Niobrara				
8,946.5	8,922.0	N100 (A)				
8,963.8	8,936.0	N300 (B)				
9,015.5	8,976.0	N500				
9,090.4	9,029.0	N600				
9,224.5	9,107.0	N700 (C)				
9,377.5	9,166.0	N800 (Fort Hayes)				
9,480.4	9,186.0	N900				
9,514.5	9,189.0	Codell				
	9,205.0	Carlisle				

Database:	Landmark	Local Co-ordinate Reference:	Well Railay 28-3-1CH
Company:	Cirque Resources LP	TVD Reference:	WELL @ 6158.0ft (RKB - 25')
Project:	Sec.28-T12-R66W	MD Reference:	WELL @ 6158.0ft (RKB - 25')
Site:	Railay 28-3-1CH Sec.28-T12N-R66W	North Reference:	True
Well:	Railay 28-3-1CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (6-11-14)		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,553.6	8,553.6	0.0	0.0	KOP - Start Build 9.00
9,553.1	9,190.2	-636.2	0.0	Start 4009.3 hold at 9553.1 MD
13,562.4	9,193.0	-4,645.4	0.0	TD at 13562.4