



SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	6911.0	0.00	0.00	6911.0	0.0	0.0	0.00	0.00	0.0		
3	7811.0	90.00	354.00	7484.0	569.8	-59.9	10.00	354.00	569.9		
4	7821.0	90.00	354.00	7484.0	579.8	-60.9	0.00	0.00	579.8		
5	8036.1	90.00	0.45	7484.0	794.5	-71.3	3.00	90.00	794.5	503-2920H PBH 5-26-15	
6	16444.9	90.00	0.45	7484.0	9203.0	-4.9	0.00	0.00	9203.0	503-2920H PBH 5-26-15	
TARGET DETAILS											
Name		TVD	+N-S	+E-W	Northing	Easting	Latitude		Longitude	Shape	
503-2920H PBH 5-26-15		7484.0	9203.0	-4.9	609265.45	2321241.92	41° 0' 0.110 N		104° 20' 10.565 W	Point	

# **Denver Division- Colorado**

**DJ - Hereford Ranch  
Randall Creek R29 SESE Pad  
Randall Creek 503-2920H**

**OH**

**Plan: APD Plan (Plat 5-26-15)**

## **Standard Planning Report**

**01 July, 2015**

# EOG Resources, Inc.

## Planning Report

<b>Database:</b>	EDM_DENVER	<b>Local Co-ordinate Reference:</b>	Well Randall Creek 503-2920H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Site:</b>	Randall Creek R29 SESE Pad	<b>North Reference:</b>	True
<b>Well:</b>	Randall Creek 503-2920H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	APD Plan (Plat 5-26-15)		

<b>Project</b>	DJ - Hereford Ranch, Weld County		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Colorado North 501		

<b>Site</b>	Randall Creek R29 SESE Pad		
<b>Site Position:</b>		<b>Northing:</b>	600,050.00 usft
<b>From:</b>	Map	<b>Easting:</b>	2,321,450.00 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 58' 29.039 N
		<b>Longitude:</b>	104° 20' 9.429 W
		<b>Grid Convergence:</b>	0.75 °

<b>Well</b>	Randall Creek 503-2920H		
<b>Well Position</b>	<b>+N/-S</b>	14.4 usft	<b>Northing:</b>
	<b>+E/-W</b>	-82.2 usft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>
			<b>Latitude:</b>
			<b>Longitude:</b>
			<b>Ground Level:</b>

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2015	2/18/2015	8.27	67.44	52,995

<b>Design</b>	APD Plan (Plat 5-26-15)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	359.97

<b>Plan Sections</b>										
<b>Measured</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Dogleg</b>	<b>Build</b>	<b>Turn</b>	<b>TFO</b>	<b>Target</b>
<b>Depth</b>	(°)	(°)	<b>Depth</b>	(usft)	(usft)	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,911.0	0.00	0.00	6,911.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,811.0	90.00	354.00	7,484.0	569.8	-59.9	10.00	10.00	0.00	354.00	
7,821.0	90.00	354.00	7,484.0	579.8	-60.9	0.00	0.00	0.00	0.00	
8,036.1	90.00	0.45	7,484.0	794.5	-71.3	3.00	0.00	3.00	90.00	503-2920H PBH 5-26
16,444.9	90.00	0.45	7,484.0	9,203.0	-4.9	0.00	0.00	0.00	0.00	503-2920H PBH 5-26

# EOG Resources, Inc.

## Planning Report

<b>Database:</b>	EDM_DENVER	<b>Local Co-ordinate Reference:</b>	Well Randall Creek 503-2920H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Site:</b>	Randall Creek R29 SESE Pad	<b>North Reference:</b>	True
<b>Well:</b>	Randall Creek 503-2920H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	APD Plan (Plat 5-26-15)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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
1,353.0	0.00	0.00	1,353.0	0.0	0.0	0.0	0.00	0.00	0.00
9-5/8" Surface									
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
2,100.0	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
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
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

# EOG Resources, Inc.

## Planning Report

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<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
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<b>Site:</b>	Randall Creek R29 SESE Pad	<b>North Reference:</b>	True
<b>Well:</b>	Randall Creek 503-2920H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	APD Plan (Plat 5-26-15)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
5,600.0	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
5,900.0	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
6,911.0	0.00	0.00	6,911.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	8.90	354.00	6,999.6	6.9	-0.7	6.9	10.00	10.00	0.00
7,100.0	18.90	354.00	7,096.6	30.7	-3.2	30.7	10.00	10.00	0.00
7,200.0	28.90	354.00	7,187.9	71.0	-7.5	71.0	10.00	10.00	0.00
7,300.0	38.90	354.00	7,270.8	126.4	-13.3	126.4	10.00	10.00	0.00
7,400.0	48.90	354.00	7,342.8	195.2	-20.5	195.2	10.00	10.00	0.00
7,500.0	58.90	354.00	7,401.6	275.5	-29.0	275.5	10.00	10.00	0.00
7,600.0	68.90	354.00	7,445.5	364.7	-38.3	364.7	10.00	10.00	0.00
7,700.0	78.90	354.00	7,473.2	460.1	-48.4	460.1	10.00	10.00	0.00
7,800.0	88.90	354.00	7,483.9	558.9	-58.7	558.9	10.00	10.00	0.00
7,811.0	90.00	354.00	7,484.0	569.8	-59.9	569.9	10.00	10.00	0.00
7" Inter (OPT 2)									
7,821.0	90.00	354.00	7,484.0	579.8	-60.9	579.8	0.00	0.00	0.00
7,900.0	90.00	356.37	7,484.0	658.5	-67.6	658.5	3.00	0.00	3.00
8,000.0	90.00	359.37	7,484.0	758.4	-71.3	758.4	3.00	0.00	3.00
8,036.1	90.00	0.45	7,484.0	794.5	-71.3	794.5	3.00	0.00	3.00
8,100.0	90.00	0.45	7,484.0	858.4	-70.8	858.4	0.00	0.00	0.00
8,200.0	90.00	0.45	7,484.0	958.4	-70.0	958.4	0.00	0.00	0.00
8,300.0	90.00	0.45	7,484.0	1,058.4	-69.3	1,058.4	0.00	0.00	0.00
8,400.0	90.00	0.45	7,484.0	1,158.4	-68.5	1,158.4	0.00	0.00	0.00
8,500.0	90.00	0.45	7,484.0	1,258.4	-67.7	1,258.4	0.00	0.00	0.00
8,600.0	90.00	0.45	7,484.0	1,358.4	-66.9	1,358.4	0.00	0.00	0.00
8,700.0	90.00	0.45	7,484.0	1,458.4	-66.1	1,458.4	0.00	0.00	0.00
8,800.0	90.00	0.45	7,484.0	1,558.4	-65.3	1,558.4	0.00	0.00	0.00
8,900.0	90.00	0.45	7,484.0	1,658.4	-64.5	1,658.4	0.00	0.00	0.00
9,000.0	90.00	0.45	7,484.0	1,758.4	-63.7	1,758.4	0.00	0.00	0.00
9,100.0	90.00	0.45	7,484.0	1,858.4	-62.9	1,858.4	0.00	0.00	0.00
9,200.0	90.00	0.45	7,484.0	1,958.4	-62.1	1,958.4	0.00	0.00	0.00
9,300.0	90.00	0.45	7,484.0	2,058.4	-61.4	2,058.4	0.00	0.00	0.00
9,400.0	90.00	0.45	7,484.0	2,158.4	-60.6	2,158.4	0.00	0.00	0.00
9,500.0	90.00	0.45	7,484.0	2,258.4	-59.8	2,258.4	0.00	0.00	0.00
9,600.0	90.00	0.45	7,484.0	2,358.4	-59.0	2,358.4	0.00	0.00	0.00
9,700.0	90.00	0.45	7,484.0	2,458.3	-58.2	2,458.4	0.00	0.00	0.00
9,800.0	90.00	0.45	7,484.0	2,558.3	-57.4	2,558.4	0.00	0.00	0.00
9,900.0	90.00	0.45	7,484.0	2,658.3	-56.6	2,658.4	0.00	0.00	0.00

# EOG Resources, Inc.

## Planning Report

<b>Database:</b>	EDM_DENVER	<b>Local Co-ordinate Reference:</b>	Well Randall Creek 503-2920H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Site:</b>	Randall Creek R29 SESE Pad	<b>North Reference:</b>	True
<b>Well:</b>	Randall Creek 503-2920H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	APD Plan (Plat 5-26-15)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,000.0	90.00	0.45	7,484.0	2,758.3	-55.8	2,758.4	0.00	0.00	0.00
10,100.0	90.00	0.45	7,484.0	2,858.3	-55.0	2,858.4	0.00	0.00	0.00
10,200.0	90.00	0.45	7,484.0	2,958.3	-54.3	2,958.4	0.00	0.00	0.00
10,300.0	90.00	0.45	7,484.0	3,058.3	-53.5	3,058.4	0.00	0.00	0.00
10,400.0	90.00	0.45	7,484.0	3,158.3	-52.7	3,158.4	0.00	0.00	0.00
10,500.0	90.00	0.45	7,484.0	3,258.3	-51.9	3,258.3	0.00	0.00	0.00
10,600.0	90.00	0.45	7,484.0	3,358.3	-51.1	3,358.3	0.00	0.00	0.00
10,700.0	90.00	0.45	7,484.0	3,458.3	-50.3	3,458.3	0.00	0.00	0.00
10,800.0	90.00	0.45	7,484.0	3,558.3	-49.5	3,558.3	0.00	0.00	0.00
10,900.0	90.00	0.45	7,484.0	3,658.3	-48.7	3,658.3	0.00	0.00	0.00
11,000.0	90.00	0.45	7,484.0	3,758.3	-47.9	3,758.3	0.00	0.00	0.00
11,100.0	90.00	0.45	7,484.0	3,858.3	-47.1	3,858.3	0.00	0.00	0.00
11,200.0	90.00	0.45	7,484.0	3,958.3	-46.4	3,958.3	0.00	0.00	0.00
11,300.0	90.00	0.45	7,484.0	4,058.3	-45.6	4,058.3	0.00	0.00	0.00
11,400.0	90.00	0.45	7,484.0	4,158.3	-44.8	4,158.3	0.00	0.00	0.00
11,500.0	90.00	0.45	7,484.0	4,258.3	-44.0	4,258.3	0.00	0.00	0.00
11,600.0	90.00	0.45	7,484.0	4,358.3	-43.2	4,358.3	0.00	0.00	0.00
11,700.0	90.00	0.45	7,484.0	4,458.3	-42.4	4,458.3	0.00	0.00	0.00
11,800.0	90.00	0.45	7,484.0	4,558.3	-41.6	4,558.3	0.00	0.00	0.00
11,900.0	90.00	0.45	7,484.0	4,658.3	-40.8	4,658.3	0.00	0.00	0.00
12,000.0	90.00	0.45	7,484.0	4,758.3	-40.0	4,758.3	0.00	0.00	0.00
12,100.0	90.00	0.45	7,484.0	4,858.3	-39.3	4,858.3	0.00	0.00	0.00
12,200.0	90.00	0.45	7,484.0	4,958.3	-38.5	4,958.3	0.00	0.00	0.00
12,300.0	90.00	0.45	7,484.0	5,058.3	-37.7	5,058.3	0.00	0.00	0.00
12,400.0	90.00	0.45	7,484.0	5,158.3	-36.9	5,158.3	0.00	0.00	0.00
12,500.0	90.00	0.45	7,484.0	5,258.3	-36.1	5,258.3	0.00	0.00	0.00
12,600.0	90.00	0.45	7,484.0	5,358.3	-35.3	5,358.3	0.00	0.00	0.00
12,700.0	90.00	0.45	7,484.0	5,458.3	-34.5	5,458.3	0.00	0.00	0.00
12,800.0	90.00	0.45	7,484.0	5,558.3	-33.7	5,558.3	0.00	0.00	0.00
12,900.0	90.00	0.45	7,484.0	5,658.2	-32.9	5,658.3	0.00	0.00	0.00
13,000.0	90.00	0.45	7,484.0	5,758.2	-32.1	5,758.3	0.00	0.00	0.00
13,100.0	90.00	0.45	7,484.0	5,858.2	-31.4	5,858.3	0.00	0.00	0.00
13,200.0	90.00	0.45	7,484.0	5,958.2	-30.6	5,958.3	0.00	0.00	0.00
13,300.0	90.00	0.45	7,484.0	6,058.2	-29.8	6,058.2	0.00	0.00	0.00
13,400.0	90.00	0.45	7,484.0	6,158.2	-29.0	6,158.2	0.00	0.00	0.00
13,500.0	90.00	0.45	7,484.0	6,258.2	-28.2	6,258.2	0.00	0.00	0.00
13,600.0	90.00	0.45	7,484.0	6,358.2	-27.4	6,358.2	0.00	0.00	0.00
13,700.0	90.00	0.45	7,484.0	6,458.2	-26.6	6,458.2	0.00	0.00	0.00
13,800.0	90.00	0.45	7,484.0	6,558.2	-25.8	6,558.2	0.00	0.00	0.00
13,900.0	90.00	0.45	7,484.0	6,658.2	-25.0	6,658.2	0.00	0.00	0.00
14,000.0	90.00	0.45	7,484.0	6,758.2	-24.2	6,758.2	0.00	0.00	0.00
14,100.0	90.00	0.45	7,484.0	6,858.2	-23.5	6,858.2	0.00	0.00	0.00
14,200.0	90.00	0.45	7,484.0	6,958.2	-22.7	6,958.2	0.00	0.00	0.00
14,300.0	90.00	0.45	7,484.0	7,058.2	-21.9	7,058.2	0.00	0.00	0.00
14,400.0	90.00	0.45	7,484.0	7,158.2	-21.1	7,158.2	0.00	0.00	0.00
14,500.0	90.00	0.45	7,484.0	7,258.2	-20.3	7,258.2	0.00	0.00	0.00
14,600.0	90.00	0.45	7,484.0	7,358.2	-19.5	7,358.2	0.00	0.00	0.00
14,700.0	90.00	0.45	7,484.0	7,458.2	-18.7	7,458.2	0.00	0.00	0.00
14,800.0	90.00	0.45	7,484.0	7,558.2	-17.9	7,558.2	0.00	0.00	0.00
14,900.0	90.00	0.45	7,484.0	7,658.2	-17.1	7,658.2	0.00	0.00	0.00
15,000.0	90.00	0.45	7,484.0	7,758.2	-16.4	7,758.2	0.00	0.00	0.00
15,100.0	90.00	0.45	7,484.0	7,858.2	-15.6	7,858.2	0.00	0.00	0.00
15,200.0	90.00	0.45	7,484.0	7,958.2	-14.8	7,958.2	0.00	0.00	0.00
15,300.0	90.00	0.45	7,484.0	8,058.2	-14.0	8,058.2	0.00	0.00	0.00

# EOG Resources, Inc.

## Planning Report

<b>Database:</b>	EDM_DENVER	<b>Local Co-ordinate Reference:</b>	Well Randall Creek 503-2920H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	RKB @ 5374.0usft (KB GL+25')
<b>Site:</b>	Randall Creek R29 SESE Pad	<b>North Reference:</b>	True
<b>Well:</b>	Randall Creek 503-2920H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	APD Plan (Plat 5-26-15)		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,400.0	90.00	0.45	7,484.0	8,158.2	-13.2	8,158.2	0.00	0.00	0.00	
15,500.0	90.00	0.45	7,484.0	8,258.2	-12.4	8,258.2	0.00	0.00	0.00	
15,600.0	90.00	0.45	7,484.0	8,358.2	-11.6	8,358.2	0.00	0.00	0.00	
15,700.0	90.00	0.45	7,484.0	8,458.2	-10.8	8,458.2	0.00	0.00	0.00	
15,800.0	90.00	0.45	7,484.0	8,558.2	-10.0	8,558.2	0.00	0.00	0.00	
15,900.0	90.00	0.45	7,484.0	8,658.2	-9.2	8,658.2	0.00	0.00	0.00	
16,000.0	90.00	0.45	7,484.0	8,758.2	-8.5	8,758.2	0.00	0.00	0.00	
16,100.0	90.00	0.45	7,484.0	8,858.1	-7.7	8,858.2	0.00	0.00	0.00	
16,200.0	90.00	0.45	7,484.0	8,958.1	-6.9	8,958.1	0.00	0.00	0.00	
16,300.0	90.00	0.45	7,484.0	9,058.1	-6.1	9,058.1	0.00	0.00	0.00	
16,400.0	90.00	0.45	7,484.0	9,158.1	-5.3	9,158.1	0.00	0.00	0.00	
16,444.9	90.00	0.45	7,484.0	9,203.0	-4.9	9,203.0	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
503-2920H PBH 5-26-15	0.00	0.00	7,484.0	9,203.0	-4.9	609,265.45	2,321,241.92	41° 0' 0.110 N	104° 20' 10.565 W	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,353.0	1,353.0	9-5/8" Surface	9-5/8	13-1/2	
7,811.0	7,484.0	7" Inter (OPT 2)	7	8-3/4	
16,444.9	7,484.0	5-1/2" Prod (OPT 1)	5-1/2	8-3/4	
16,444.9	7,484.0	4-1/2" Liner (OPT 2)	4-1/2	6	