



## **Denver Division- Colorado**

**DJ - Hereford Ranch**

**Garden Creek 2-6H**

**Garden Creek 2-6H**

**Original Wellbore**

**Plan: APD**

## **Standard Planning Report**

**12 January, 2010**

<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Site Garden Creek 2-6H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RIG @ 5319.0ft (TBD)
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	RIG @ 5319.0ft (TBD)
<b>Site:</b>	Garden Creek 2-6H	<b>North Reference:</b>	True
<b>Well:</b>	Garden Creek 2-6H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	APD		

<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		

Site		Garden Creek 2-6H			
Site Position:		Northing:	589,814.87 ft	Latitude:	40° 56' 48.592 N
From:	Lat/Long	Easting:	2,316,221.07 ft	Longitude:	104° 21' 19.310 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.74 °

Well	Garden Creek 2-6H					
Well Position	+N/-S	0.0 ft	Northing:	589,814.87 ft	Latitude:	40° 56' 48.592 N
	+E/-W	0.0 ft	Easting:	2,316,221.07 ft	Longitude:	104° 21' 19.310 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,302.0 ft

<b>Wellbore</b>	Original Wellbore				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	1/8/2010	8.84	67.62	53,625

<b>Design</b>	APD			
<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>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	311.10

<b>Plan Sections</b>										
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	
6,798.5	0.00	0.00	6,798.5	0.0	0.0	0.00	0.00	0.00	0.00	
7,548.5	90.00	311.10	7,276.0	313.9	-359.8	12.00	12.00	0.00	311.10	
12,127.1	90.00	311.10	7,276.0	3,323.9	-3,809.8	0.00	0.00	0.00	0.00	Garden Creek 2-6H (f



# EOG Resources

## Planning Report

<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Site Garden Creek 2-6H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	RIG @ 5319.0ft (TBD)
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	RIG @ 5319.0ft (TBD)
<b>Site:</b>	Garden Creek 2-6H	<b>North Reference:</b>	True
<b>Well:</b>	Garden Creek 2-6H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	APD		

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
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
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
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

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<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	APD		

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)
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
6,798.5	0.00	0.00	6,798.5	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.18	311.10	6,800.0	0.0	0.0	0.0	12.00	12.00	0.00
6,900.0	12.18	311.10	6,899.2	7.1	-8.1	10.7	12.00	12.00	0.00
7,000.0	24.18	311.10	6,994.1	27.5	-31.6	41.9	12.00	12.00	0.00
7,100.0	36.18	311.10	7,080.4	60.5	-69.4	92.1	12.00	12.00	0.00
7,200.0	48.18	311.10	7,154.3	104.6	-119.9	159.1	12.00	12.00	0.00
7,300.0	60.18	311.10	7,212.8	157.8	-180.8	240.0	12.00	12.00	0.00
7,400.0	72.18	311.10	7,253.1	217.8	-249.7	331.3	12.00	12.00	0.00
7,500.0	84.18	311.10	7,273.5	282.0	-323.3	429.0	12.00	12.00	0.00
7,548.5	90.00	311.10	7,276.0	313.9	-359.8	477.4	12.00	12.00	0.00
7"									
7,600.0	90.00	311.10	7,276.0	347.7	-398.6	528.9	0.01	0.01	0.00
7,700.0	90.00	311.10	7,276.0	413.5	-473.9	628.9	0.00	0.00	0.00
7,800.0	90.00	311.10	7,276.0	479.2	-549.3	728.9	0.00	0.00	0.00
7,900.0	90.00	311.10	7,276.0	545.0	-624.6	828.9	0.00	0.00	0.00
8,000.0	90.00	311.10	7,276.0	610.7	-700.0	928.9	0.00	0.00	0.00
8,100.0	90.00	311.10	7,276.0	676.4	-775.3	1,028.9	0.00	0.00	0.00
8,200.0	90.00	311.10	7,276.0	742.2	-850.7	1,128.9	0.00	0.00	0.00
8,300.0	90.00	311.10	7,276.0	807.9	-926.0	1,228.9	0.00	0.00	0.00
8,400.0	90.00	311.10	7,276.0	873.7	-1,001.4	1,328.9	0.00	0.00	0.00
8,500.0	90.00	311.10	7,276.0	939.4	-1,076.7	1,428.9	0.00	0.00	0.00
8,600.0	90.00	311.10	7,276.0	1,005.1	-1,152.1	1,528.9	0.00	0.00	0.00
8,700.0	90.00	311.10	7,276.0	1,070.9	-1,227.4	1,628.9	0.00	0.00	0.00
8,800.0	90.00	311.10	7,276.0	1,136.6	-1,302.8	1,728.9	0.00	0.00	0.00
8,900.0	90.00	311.10	7,276.0	1,202.4	-1,378.1	1,828.9	0.00	0.00	0.00
9,000.0	90.00	311.10	7,276.0	1,268.1	-1,453.5	1,928.9	0.00	0.00	0.00
9,100.0	90.00	311.10	7,276.0	1,333.9	-1,528.8	2,028.9	0.00	0.00	0.00
9,200.0	90.00	311.10	7,276.0	1,399.6	-1,604.2	2,128.9	0.00	0.00	0.00
9,300.0	90.00	311.10	7,276.0	1,465.3	-1,679.6	2,228.9	0.00	0.00	0.00
9,400.0	90.00	311.10	7,276.0	1,531.1	-1,754.9	2,328.9	0.00	0.00	0.00
9,500.0	90.00	311.10	7,276.0	1,596.8	-1,830.3	2,428.9	0.00	0.00	0.00
9,600.0	90.00	311.10	7,276.0	1,662.6	-1,905.6	2,528.9	0.00	0.00	0.00
9,700.0	90.00	311.10	7,276.0	1,728.3	-1,981.0	2,628.9	0.00	0.00	0.00
9,800.0	90.00	311.10	7,276.0	1,794.1	-2,056.3	2,728.9	0.00	0.00	0.00
9,900.0	90.00	311.10	7,276.0	1,859.8	-2,131.7	2,828.9	0.00	0.00	0.00
10,000.0	90.00	311.10	7,276.0	1,925.5	-2,207.0	2,928.9	0.00	0.00	0.00
10,100.0	90.00	311.10	7,276.0	1,991.3	-2,282.4	3,028.9	0.00	0.00	0.00

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<b>Site:</b>	Garden Creek 2-6H	<b>North Reference:</b>	True
<b>Well:</b>	Garden Creek 2-6H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	APD		

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)	
10,200.0	90.00	311.10	7,276.0	2,057.0	-2,357.7	3,128.9	0.00	0.00	0.00	
10,300.0	90.00	311.10	7,276.0	2,122.8	-2,433.1	3,228.9	0.00	0.00	0.00	
10,400.0	90.00	311.10	7,276.0	2,188.5	-2,508.4	3,328.9	0.00	0.00	0.00	
10,500.0	90.00	311.10	7,276.0	2,254.2	-2,583.8	3,428.9	0.00	0.00	0.00	
10,600.0	90.00	311.10	7,276.0	2,320.0	-2,659.1	3,528.9	0.00	0.00	0.00	
10,700.0	90.00	311.10	7,276.0	2,385.7	-2,734.5	3,628.9	0.00	0.00	0.00	
10,800.0	90.00	311.10	7,276.0	2,451.5	-2,809.8	3,728.9	0.00	0.00	0.00	
10,900.0	90.00	311.10	7,276.0	2,517.2	-2,885.2	3,828.9	0.00	0.00	0.00	
11,000.0	90.00	311.10	7,276.0	2,583.0	-2,960.5	3,928.9	0.00	0.00	0.00	
11,100.0	90.00	311.10	7,276.0	2,648.7	-3,035.9	4,028.9	0.00	0.00	0.00	
11,200.0	90.00	311.10	7,276.0	2,714.4	-3,111.2	4,128.9	0.00	0.00	0.00	
11,300.0	90.00	311.10	7,276.0	2,780.2	-3,186.6	4,228.9	0.00	0.00	0.00	
11,400.0	90.00	311.10	7,276.0	2,845.9	-3,262.0	4,328.9	0.00	0.00	0.00	
11,500.0	90.00	311.10	7,276.0	2,911.7	-3,337.3	4,428.9	0.00	0.00	0.00	
11,600.0	90.00	311.10	7,276.0	2,977.4	-3,412.7	4,528.9	0.00	0.00	0.00	
11,700.0	90.00	311.10	7,276.0	3,043.2	-3,488.0	4,628.9	0.00	0.00	0.00	
11,800.0	90.00	311.10	7,276.0	3,108.9	-3,563.4	4,728.9	0.00	0.00	0.00	
11,900.0	90.00	311.10	7,276.0	3,174.6	-3,638.7	4,828.9	0.00	0.00	0.00	
12,000.0	90.00	311.10	7,276.0	3,240.4	-3,714.1	4,928.9	0.00	0.00	0.00	
12,100.0	90.00	311.10	7,276.0	3,306.1	-3,789.4	5,028.9	0.00	0.00	0.00	
12,127.1	90.00	311.10	7,276.0	3,323.9	-3,809.8	5,056.0	0.00	0.00	0.00	
Garden Creek 2-6H (BHL)										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
1,350.0	1,350.0	9 5/8"	9-5/8	12-1/4	
7,548.5	7,276.0	7"	7	8-3/4	
12,127.1	7,276.0	4 1/2"	4-1/2	6-1/4	