



Denver Division- Colorado

DJ - Hereford Ranch

Fox Creek 03-26H

Fox Creek 3-26H

Original Wellbore

Plan: APD

Standard Planning Report

29 January, 2010

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Site Fox Creek 03-26H
Company:	Denver Division- Colorado	TVD Reference:	RIG @ 5443.0ft (TBD)
Project:	DJ - Hereford Ranch	MD Reference:	RIG @ 5443.0ft (TBD)
Site:	Fox Creek 03-26H	North Reference:	True
Well:	Fox Creek 3-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD		

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

Site		Fox Creek 03-26H			
Site Position:		Northing:	599,967.90 ft	Latitude:	40° 58' 30.191 N
From:	Lat/Long	Easting:	2,305,940.46 ft	Longitude:	104° 23' 31.610 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.72 °

Well	Fox Creek 3-26H					
Well Position	+N/-S	0.0 ft	Northing:	599,967.90 ft	Latitude:	40° 58' 30.191 N
	+E/-W	0.0 ft	Easting:	2,305,940.46 ft	Longitude:	104° 23' 31.610 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,418.0 ft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/29/2010	8.86	67.63	53,629

Design	APD				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	324.38	

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,955.5	0.00	0.00	6,955.5	0.0	0.0	0.00	0.00	0.00	0.00	
7,705.5	90.00	324.38	7,433.0	388.1	-278.1	12.00	12.00	0.00	324.38	
12,102.8	90.00	324.38	7,433.0	3,962.5	-2,839.2	0.00	0.00	0.00	0.00	Fox Creek 3-26H (BH)

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Site:	Fox Creek 03-26H	North Reference:	True
Well:	Fox Creek 3-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	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
1,400.0	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
1,550.0	0.00	0.00	1,550.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
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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Well:	Fox Creek 3-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	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
6,800.0	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
6,955.5	0.00	0.00	6,955.5	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	5.34	324.38	6,999.9	1.7	-1.2	2.1	12.00	12.00	0.00
7,100.0	17.34	324.38	7,097.8	17.6	-12.6	21.7	12.00	12.00	0.00
7,200.0	29.34	324.38	7,189.5	49.8	-35.7	61.2	12.00	12.00	0.00
7,300.0	41.34	324.38	7,270.9	96.7	-69.3	119.0	12.00	12.00	0.00
7,400.0	53.34	324.38	7,338.5	156.4	-112.0	192.4	12.00	12.00	0.00
7,500.0	65.34	324.38	7,389.4	226.2	-162.0	278.2	12.00	12.00	0.00
7,600.0	77.34	324.38	7,421.4	303.0	-217.1	372.8	12.00	12.00	0.00
7,700.0	89.34	324.38	7,433.0	383.6	-274.9	471.9	12.00	12.00	0.00
7,705.5	90.00	324.38	7,433.0	388.1	-278.1	477.4	12.00	12.00	0.00
7"									
7,800.0	90.00	324.38	7,433.0	464.9	-333.1	571.9	0.00	0.00	0.00
7,900.0	90.00	324.38	7,433.0	546.2	-391.4	671.9	0.00	0.00	0.00
8,000.0	90.00	324.38	7,433.0	627.5	-449.6	771.9	0.00	0.00	0.00
8,100.0	90.00	324.38	7,433.0	708.8	-507.8	871.9	0.00	0.00	0.00
8,200.0	90.00	324.38	7,433.0	790.1	-566.1	971.9	0.00	0.00	0.00
8,300.0	90.00	324.38	7,433.0	871.3	-624.3	1,071.9	0.00	0.00	0.00
8,400.0	90.00	324.38	7,433.0	952.6	-682.6	1,171.9	0.00	0.00	0.00
8,500.0	90.00	324.38	7,433.0	1,033.9	-740.8	1,271.9	0.00	0.00	0.00
8,600.0	90.00	324.38	7,433.0	1,115.2	-799.1	1,371.9	0.00	0.00	0.00
8,700.0	90.00	324.38	7,433.0	1,196.5	-857.3	1,471.9	0.00	0.00	0.00
8,800.0	90.00	324.38	7,433.0	1,277.8	-915.6	1,571.9	0.00	0.00	0.00
8,900.0	90.00	324.38	7,433.0	1,359.1	-973.8	1,671.9	0.00	0.00	0.00
9,000.0	90.00	324.38	7,433.0	1,440.4	-1,032.0	1,771.9	0.00	0.00	0.00
9,100.0	90.00	324.38	7,433.0	1,521.6	-1,090.3	1,871.9	0.00	0.00	0.00
9,200.0	90.00	324.38	7,433.0	1,602.9	-1,148.5	1,971.9	0.00	0.00	0.00
9,300.0	90.00	324.38	7,433.0	1,684.2	-1,206.8	2,071.9	0.00	0.00	0.00
9,400.0	90.00	324.38	7,433.0	1,765.5	-1,265.0	2,171.9	0.00	0.00	0.00
9,500.0	90.00	324.38	7,433.0	1,846.8	-1,323.3	2,271.9	0.00	0.00	0.00
9,600.0	90.00	324.38	7,433.0	1,928.1	-1,381.5	2,371.9	0.00	0.00	0.00
9,700.0	90.00	324.38	7,433.0	2,009.4	-1,439.8	2,471.9	0.00	0.00	0.00
9,800.0	90.00	324.38	7,433.0	2,090.7	-1,498.0	2,571.9	0.00	0.00	0.00
9,900.0	90.00	324.38	7,433.0	2,171.9	-1,556.2	2,671.9	0.00	0.00	0.00
10,000.0	90.00	324.38	7,433.0	2,253.2	-1,614.5	2,771.9	0.00	0.00	0.00
10,100.0	90.00	324.38	7,433.0	2,334.5	-1,672.7	2,871.9	0.00	0.00	0.00

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Site:	Fox Creek 03-26H	North Reference:	True
Well:	Fox Creek 3-26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	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	324.38	7,433.0	2,415.8	-1,731.0	2,971.9	0.00	0.00	0.00	
10,300.0	90.00	324.38	7,433.0	2,497.1	-1,789.2	3,071.9	0.00	0.00	0.00	
10,400.0	90.00	324.38	7,433.0	2,578.4	-1,847.5	3,171.9	0.00	0.00	0.00	
10,500.0	90.00	324.38	7,433.0	2,659.7	-1,905.7	3,271.9	0.00	0.00	0.00	
10,600.0	90.00	324.38	7,433.0	2,741.0	-1,964.0	3,371.9	0.00	0.00	0.00	
10,700.0	90.00	324.38	7,433.0	2,822.2	-2,022.2	3,471.9	0.00	0.00	0.00	
10,800.0	90.00	324.38	7,433.0	2,903.5	-2,080.4	3,571.9	0.00	0.00	0.00	
10,900.0	90.00	324.38	7,433.0	2,984.8	-2,138.7	3,671.9	0.00	0.00	0.00	
11,000.0	90.00	324.38	7,433.0	3,066.1	-2,196.9	3,771.9	0.00	0.00	0.00	
11,100.0	90.00	324.38	7,433.0	3,147.4	-2,255.2	3,871.9	0.00	0.00	0.00	
11,200.0	90.00	324.38	7,433.0	3,228.7	-2,313.4	3,971.9	0.00	0.00	0.00	
11,300.0	90.00	324.38	7,433.0	3,310.0	-2,371.7	4,071.9	0.00	0.00	0.00	
11,400.0	90.00	324.38	7,433.0	3,391.2	-2,429.9	4,171.9	0.00	0.00	0.00	
11,500.0	90.00	324.38	7,433.0	3,472.5	-2,488.1	4,271.9	0.00	0.00	0.00	
11,600.0	90.00	324.38	7,433.0	3,553.8	-2,546.4	4,371.9	0.00	0.00	0.00	
11,700.0	90.00	324.38	7,433.0	3,635.1	-2,604.6	4,471.9	0.00	0.00	0.00	
11,800.0	90.00	324.38	7,433.0	3,716.4	-2,662.9	4,571.9	0.00	0.00	0.00	
11,900.0	90.00	324.38	7,433.0	3,797.7	-2,721.1	4,671.9	0.00	0.00	0.00	
12,000.0	90.00	324.38	7,433.0	3,879.0	-2,779.4	4,771.9	0.00	0.00	0.00	
12,100.0	90.00	324.38	7,433.0	3,960.3	-2,837.6	4,871.9	0.00	0.00	0.00	
12,102.8	90.00	324.38	7,433.0	3,962.5	-2,839.2	4,874.7	0.00	0.00	0.00	
4 1/2" - Fox Creek 3-26H (BHL)										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
1,550.0	1,550.0	9 5/8"	9-5/8	12-1/4	
7,705.5	7,433.0	7"	7	8-3/4	
12,102.8	7,433.0	4 1/2"	4-1/2	6-1/4	