

Denver Division- Colorado

DJ - Hereford Ranch

Critter Creek 11-07H

Critter Creek 11-07H

Original Wellbore

Plan: APD Directional Plan

Standard Planning Report

30 June, 2010

EOG RESOURCES INC.

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Critter Creek 11-07H
Company:	Denver Division- Colorado	TVD Reference:	Rig @ 5370.00ft (TBD)
Project:	DJ - Hereford Ranch	MD Reference:	Rig @ 5370.00ft (TBD)
Site:	Critter Creek 11-07H	North Reference:	True
Well:	Critter Creek 11-07H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

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	Critter Creek 11-07H		
Site Position:		Northing:	583,656.19ft
From:	Lat/Long	Easting:	2,285,264.05ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	40° 55' 51.499 N
		Longitude:	104° 28' 3.608 W
		Grid Convergence:	0.67 deg

Well	Critter Creek 11-07H		
Well Position	+N/-S	0.00 ft	Northing: 583,656.19 ft
	+E/-W	0.00 ft	Easting: 2,285,264.05 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 55' 51.499 N
		Longitude:	104° 28' 3.608 W
		Ground Level:	5,345.00ft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (deg)	Dip Angle (deg)	Field Strength (nT)
	IGRF200510	6/30/2010	8.84	67.57	53,555

Design	APD Directional Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (deg)
	0.00	0.00	0.00	329.20

Plan Sections										
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (deg)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,237.53	0.00	0.00	7,237.53	0.00	0.00	0.00	0.00	0.00	0.00	
7,987.54	90.00	329.20	7,715.00	410.11	-244.51	12.00	12.00	0.00	329.20	
12,382.50	90.00	329.20	7,715.00	4,185.06	-2,495.17	0.00	0.00	0.00	0.00	Critter Creek 11-07

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Well:	Critter Creek 11-07H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Planned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,450.00	0.00	0.00	1,450.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00

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Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Planned Survey

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,237.53	0.00	0.00	7,237.53	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	7.50	329.20	7,299.82	3.50	-2.09	4.08	12.00	12.00	0.00
7,400.00	19.50	329.20	7,396.88	23.51	-14.02	27.38	12.00	12.00	0.00
7,500.00	31.50	329.20	7,486.98	60.42	-36.02	70.34	12.00	12.00	0.00
7,600.00	43.50	329.20	7,566.17	112.61	-67.14	131.10	12.00	12.00	0.00
7,700.00	55.50	329.20	7,631.01	177.80	-106.00	207.00	12.00	12.00	0.00
7,800.00	67.50	329.20	7,678.64	253.14	-150.92	294.71	12.00	12.00	0.00
7,900.00	79.50	329.20	7,707.00	335.34	-199.93	390.42	12.00	12.00	0.00
7,987.54	90.00	329.20	7,715.00	410.11	-244.51	477.47	12.00	12.00	0.00
7"									
8,000.00	90.00	329.20	7,715.00	420.81	-250.89	489.93	0.00	0.00	0.00
8,100.00	90.00	329.20	7,715.00	506.71	-302.10	589.93	0.00	0.00	0.00
8,200.00	90.00	329.20	7,715.00	592.60	-353.31	689.93	0.00	0.00	0.00
8,300.00	90.00	329.20	7,715.00	678.49	-404.52	789.93	0.00	0.00	0.00
8,400.00	90.00	329.20	7,715.00	764.38	-455.73	889.93	0.00	0.00	0.00
8,500.00	90.00	329.20	7,715.00	850.28	-506.94	989.93	0.00	0.00	0.00
8,600.00	90.00	329.20	7,715.00	936.17	-558.15	1,089.93	0.00	0.00	0.00
8,700.00	90.00	329.20	7,715.00	1,022.06	-609.36	1,189.93	0.00	0.00	0.00
8,800.00	90.00	329.20	7,715.00	1,107.95	-660.57	1,289.93	0.00	0.00	0.00
8,900.00	90.00	329.20	7,715.00	1,193.85	-711.78	1,389.93	0.00	0.00	0.00
9,000.00	90.00	329.20	7,715.00	1,279.74	-762.99	1,489.93	0.00	0.00	0.00
9,100.00	90.00	329.20	7,715.00	1,365.63	-814.20	1,589.93	0.00	0.00	0.00
9,200.00	90.00	329.20	7,715.00	1,451.52	-865.41	1,689.93	0.00	0.00	0.00
9,300.00	90.00	329.20	7,715.00	1,537.42	-916.62	1,789.93	0.00	0.00	0.00
9,400.00	90.00	329.20	7,715.00	1,623.31	-967.83	1,889.93	0.00	0.00	0.00
9,500.00	90.00	329.20	7,715.00	1,709.20	-1,019.04	1,989.93	0.00	0.00	0.00
9,600.00	90.00	329.20	7,715.00	1,795.10	-1,070.25	2,089.93	0.00	0.00	0.00
9,700.00	90.00	329.20	7,715.00	1,880.99	-1,121.46	2,189.93	0.00	0.00	0.00
9,800.00	90.00	329.20	7,715.00	1,966.88	-1,172.67	2,289.93	0.00	0.00	0.00
9,900.00	90.00	329.20	7,715.00	2,052.77	-1,223.88	2,389.93	0.00	0.00	0.00
10,000.00	90.00	329.20	7,715.00	2,138.67	-1,275.09	2,489.93	0.00	0.00	0.00

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Company:	Denver Division- Colorado	TVD Reference:	Rig @ 5370.00ft (TBD)
Project:	DJ - Hereford Ranch	MD Reference:	Rig @ 5370.00ft (TBD)
Site:	Critter Creek 11-07H	North Reference:	True
Well:	Critter Creek 11-07H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Planned Survey

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,100.00	90.00	329.20	7,715.00	2,224.56	-1,326.30	2,589.93	0.00	0.00	0.00
10,200.00	90.00	329.20	7,715.00	2,310.45	-1,377.51	2,689.93	0.00	0.00	0.00
10,300.00	90.00	329.20	7,715.00	2,396.34	-1,428.72	2,789.93	0.00	0.00	0.00
10,400.00	90.00	329.20	7,715.00	2,482.24	-1,479.93	2,889.93	0.00	0.00	0.00
10,500.00	90.00	329.20	7,715.00	2,568.13	-1,531.14	2,989.93	0.00	0.00	0.00
10,600.00	90.00	329.20	7,715.00	2,654.02	-1,582.35	3,089.93	0.00	0.00	0.00
10,700.00	90.00	329.20	7,715.00	2,739.91	-1,633.56	3,189.93	0.00	0.00	0.00
10,800.00	90.00	329.20	7,715.00	2,825.81	-1,684.77	3,289.93	0.00	0.00	0.00
10,900.00	90.00	329.20	7,715.00	2,911.70	-1,735.98	3,389.93	0.00	0.00	0.00
11,000.00	90.00	329.20	7,715.00	2,997.59	-1,787.19	3,489.93	0.00	0.00	0.00
11,100.00	90.00	329.20	7,715.00	3,083.48	-1,838.40	3,589.93	0.00	0.00	0.00
11,200.00	90.00	329.20	7,715.00	3,169.38	-1,889.61	3,689.93	0.00	0.00	0.00
11,300.00	90.00	329.20	7,715.00	3,255.27	-1,940.82	3,789.93	0.00	0.00	0.00
11,400.00	90.00	329.20	7,715.00	3,341.16	-1,992.03	3,889.93	0.00	0.00	0.00
11,500.00	90.00	329.20	7,715.00	3,427.05	-2,043.24	3,989.93	0.00	0.00	0.00
11,600.00	90.00	329.20	7,715.00	3,512.95	-2,094.45	4,089.93	0.00	0.00	0.00
11,700.00	90.00	329.20	7,715.00	3,598.84	-2,145.66	4,189.93	0.00	0.00	0.00
11,800.00	90.00	329.20	7,715.00	3,684.73	-2,196.87	4,289.93	0.00	0.00	0.00
11,900.00	90.00	329.20	7,715.00	3,770.62	-2,248.08	4,389.93	0.00	0.00	0.00
12,000.00	90.00	329.20	7,715.00	3,856.52	-2,299.29	4,489.93	0.00	0.00	0.00
12,100.00	90.00	329.20	7,715.00	3,942.41	-2,350.50	4,589.93	0.00	0.00	0.00
12,200.00	90.00	329.20	7,715.00	4,028.30	-2,401.71	4,689.93	0.00	0.00	0.00
12,300.00	90.00	329.20	7,715.00	4,114.20	-2,452.92	4,789.93	0.00	0.00	0.00
12,382.50	90.00	329.20	7,715.00	4,185.06	-2,495.17	4,872.43	0.00	0.00	0.00

4 1/2 - Critter Creek 11-07H (BHL)

Targets

Target Name

- hit/miss target	Dip Angle (deg)	Dip Dir. (deg)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Critter Creek 11-07H (0.00	0.00	7,715.00	4,185.06	-2,495.17	587,811.91	2,282,720.33	40° 56' 32.849 N	104° 28' 36.120 W
- plan hits target center									
- Point									

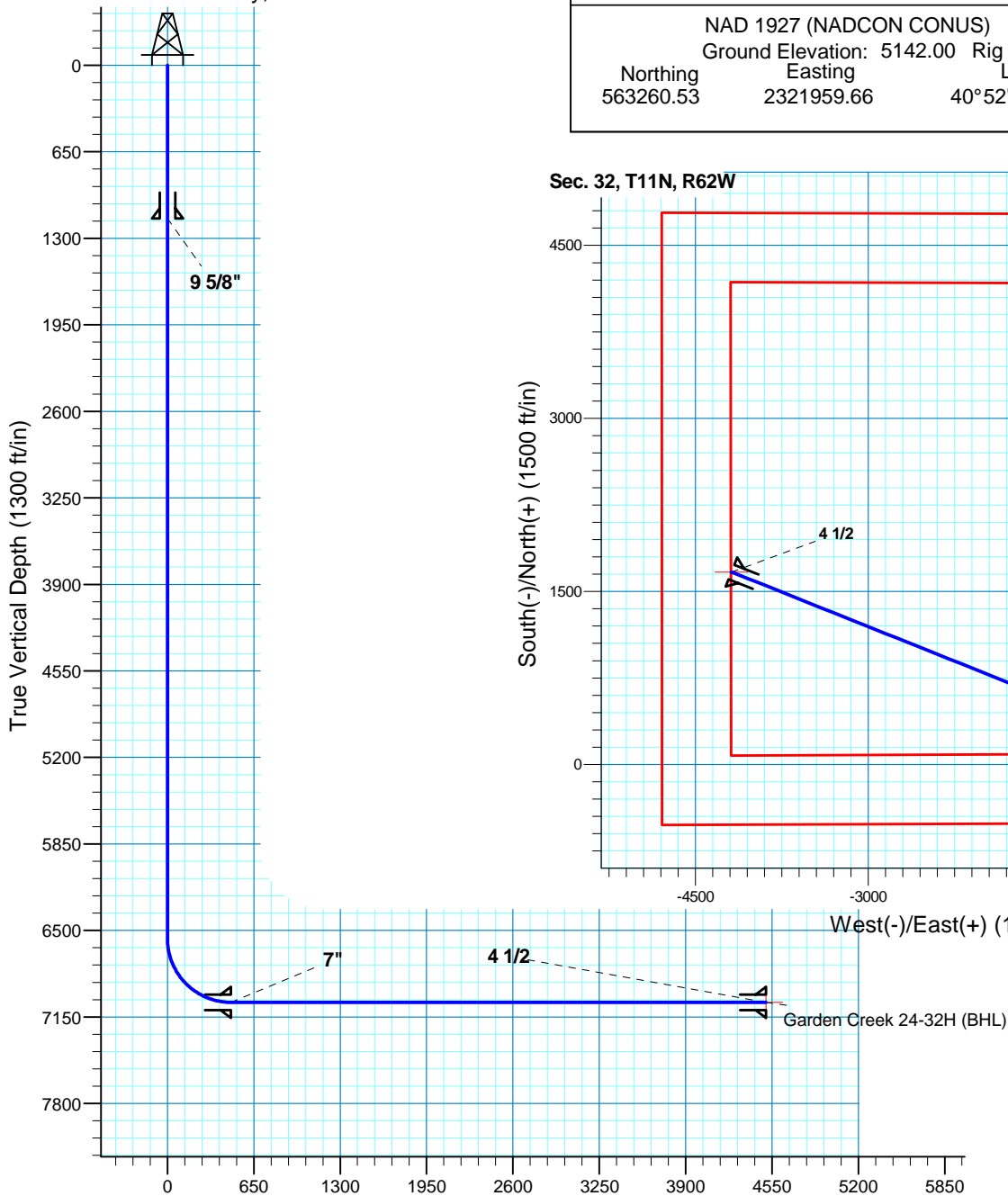
Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,450.00	1,450.00	9 5/8"	9-5/8	13-1/2
7,987.54	7,715.00	7"	7	8-3/4
12,382.50	7,715.00	4 1/2	4-1/2	6

Garden Creek 24-32H

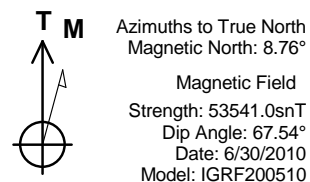
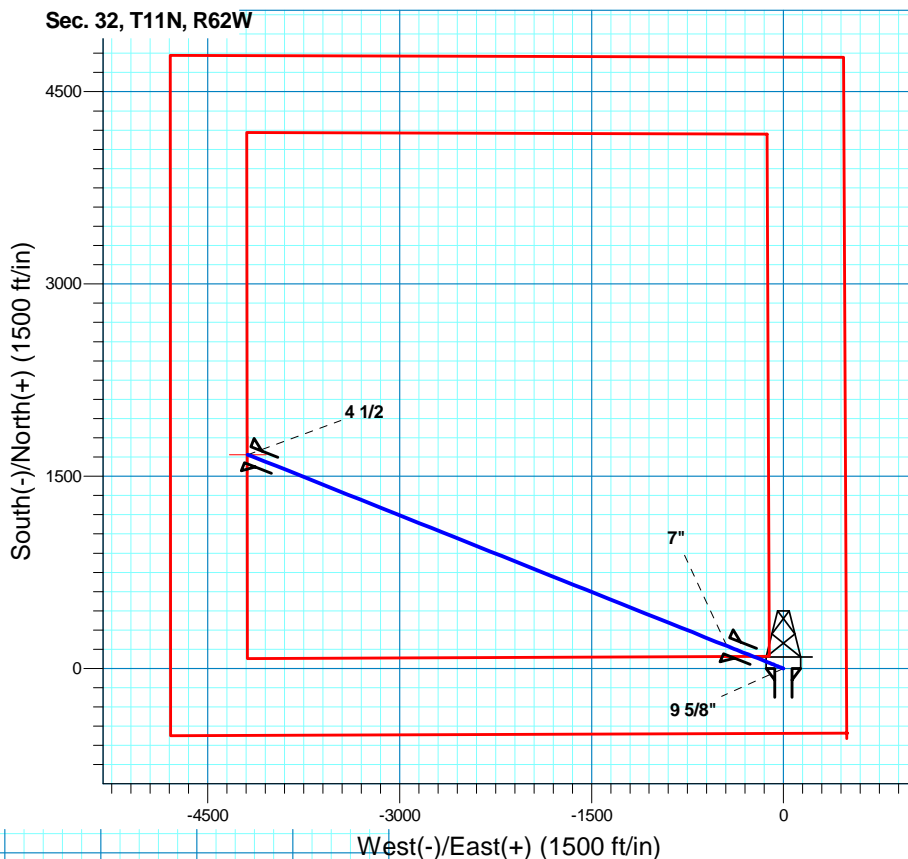
Section 7 T11N R63W

Weld County, CO



Vertical Section at 291.73deg (1300 ft/in)

Surface Location			
NAD 1927 (NADCON CONUS) Colorado North 501			
Ground Elevation: 5142.00 Rig @ 5167.00ft (TBD)			
Northing	Easting	Latitude	Longitude
563260.53	2321959.66	40°52' 25.500 N	104°20' 9.082 W



Project: DJ - Hereford Ranch
 Site: Garden Creek 24-32H
 Well: Garden Creek 24-32H
 Plan: APD Directional Plan

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	6562.53	0.00	0.00	6562.53	0.00	0.00	0.00	0.00	0.00	
3	7312.54	90.00	291.73	7040.00	176.77	-443.54	12.00	291.73	477.47	
4	11341.19	90.00	291.73	7040.00	1668.32	-4185.91	0.00	0.00	4506.12	Garden Creek 24-32H (BHL)
TARGET DETAILS										
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape		
Garden Creek 24-32H (BHL)	7040.00	1668.32	-4185.91	564873.75	2317752.22	40°52' 41.981 N	104°21' 3.571 W	Point		