

# **Denver Division- Colorado**

**DJ - Hereford Ranch**

**Peach 03-12H**

**Peach 03-12H**

**Original Wellbore**

**Plan: APD Directional Plan**

## **Standard Planning Report**

**11 March, 2010**

# EOG Resources Inc

## Planning Report

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Peach 03-12H
<b>Company:</b>	Denver Division- Colorado	<b>TVD Reference:</b>	Rig @ 5323.00ft
<b>Project:</b>	DJ - Hereford Ranch	<b>MD Reference:</b>	Rig @ 5323.00ft
<b>Site:</b>	Peach 03-12H	<b>North Reference:</b>	True
<b>Well:</b>	Peach 03-12H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	APD Directional Plan		

<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>	Peach 03-12H		
<b>Site Position:</b>		<b>Northing:</b>	584,603.17 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,372,149.58 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 55' 49.339 N
		<b>Longitude:</b>	104° 9' 11.639 W
		<b>Grid Convergence:</b>	0.87 deg

<b>Well</b>	Peach 03-12H		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 584,603.17 ft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 2,372,149.58 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 55' 49.339 N
		<b>Longitude:</b>	104° 9' 11.639 W
		<b>Ground Level:</b>	5,298.00 ft

<b>Wellbore</b>	Original Wellbore				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (deg)</b>	<b>Dip Angle (deg)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/31/2009	8.73	67.64	53,638

<b>Design</b>	APD Directional Plan			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (deg)</b>
	0.00	0.00	0.00	336.37

<b>Plan Sections</b>										
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	
7,164.53	0.00	0.00	7,164.53	0.00	0.00	0.00	0.00	0.00	0.00	
7,914.54	90.00	336.37	7,642.00	437.42	-191.40	12.00	12.00	0.00	336.37	
12,054.89	90.00	336.37	7,642.00	4,230.54	-1,851.15	0.00	0.00	0.00	0.00	Peach 03-12H (BHI)

# EOG Resources Inc

## Planning Report

**Database:**

EDM

**Company:**

Denver Division- Colorado

**Project:**

DJ - Hereford Ranch

**Site:**

Peach 03-12H

**Well:**

Peach 03-12H

**Wellbore:**

Original Wellbore

**Design:**

APD Directional Plan

**Local Co-ordinate Reference:**

Well Peach 03-12H

**TVD Reference:**

Rig @ 5323.00ft

**MD Reference:**

Rig @ 5323.00ft

**North Reference:**

True

**Survey Calculation Method:**

Minimum Curvature

**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
1,250.00	0.00	0.00	1,250.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>9 5/8"</b>									
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
1,500.00	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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<b>Site:</b>	Peach 03-12H	<b>North Reference:</b>	True
<b>Well:</b>	Peach 03-12H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	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
7,164.53	0.00	0.00	7,164.53	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	4.26	336.37	7,199.97	1.21	-0.53	1.32	12.00	12.00	0.00
7,300.00	16.26	336.37	7,298.19	17.49	-7.65	19.09	12.00	12.00	0.00
7,400.00	28.26	336.37	7,390.57	52.12	-22.81	56.89	12.00	12.00	0.00
7,500.00	40.26	336.37	7,473.07	103.60	-45.33	113.08	12.00	12.00	0.00
7,600.00	52.26	336.37	7,542.09	169.66	-74.24	185.19	12.00	12.00	0.00
7,700.00	64.26	336.37	7,594.61	247.43	-108.27	270.08	12.00	12.00	0.00
7,800.00	76.26	336.37	7,628.33	333.50	-145.93	364.03	12.00	12.00	0.00
7,900.00	88.26	336.37	7,641.78	424.11	-185.58	462.93	12.00	12.00	0.00
7,914.54	90.00	336.37	7,642.00	437.43	-191.40	477.47	12.00	12.00	0.00
7"									
8,000.00	90.00	336.37	7,642.00	515.72	-225.66	562.93	0.00	0.00	0.00
8,100.00	90.00	336.37	7,642.00	607.33	-265.75	662.93	0.00	0.00	0.00
8,200.00	90.00	336.37	7,642.00	698.95	-305.84	762.93	0.00	0.00	0.00
8,300.00	90.00	336.37	7,642.00	790.56	-345.92	862.93	0.00	0.00	0.00
8,400.00	90.00	336.37	7,642.00	882.17	-386.01	962.93	0.00	0.00	0.00
8,500.00	90.00	336.37	7,642.00	973.79	-426.10	1,062.93	0.00	0.00	0.00
8,600.00	90.00	336.37	7,642.00	1,065.40	-466.19	1,162.93	0.00	0.00	0.00
8,700.00	90.00	336.37	7,642.00	1,157.01	-506.27	1,262.93	0.00	0.00	0.00
8,800.00	90.00	336.37	7,642.00	1,248.63	-546.36	1,362.93	0.00	0.00	0.00
8,900.00	90.00	336.37	7,642.00	1,340.24	-586.45	1,462.93	0.00	0.00	0.00
9,000.00	90.00	336.37	7,642.00	1,431.85	-626.53	1,562.93	0.00	0.00	0.00
9,100.00	90.00	336.37	7,642.00	1,523.47	-666.62	1,662.93	0.00	0.00	0.00
9,200.00	90.00	336.37	7,642.00	1,615.08	-706.71	1,762.93	0.00	0.00	0.00
9,300.00	90.00	336.37	7,642.00	1,706.69	-746.80	1,862.93	0.00	0.00	0.00
9,400.00	90.00	336.37	7,642.00	1,798.31	-786.88	1,962.93	0.00	0.00	0.00
9,500.00	90.00	336.37	7,642.00	1,889.92	-826.97	2,062.93	0.00	0.00	0.00
9,600.00	90.00	336.37	7,642.00	1,981.53	-867.06	2,162.93	0.00	0.00	0.00
9,700.00	90.00	336.37	7,642.00	2,073.15	-907.14	2,262.93	0.00	0.00	0.00
9,800.00	90.00	336.37	7,642.00	2,164.76	-947.23	2,362.93	0.00	0.00	0.00
9,900.00	90.00	336.37	7,642.00	2,256.37	-987.32	2,462.93	0.00	0.00	0.00
10,000.00	90.00	336.37	7,642.00	2,347.99	-1,027.41	2,562.93	0.00	0.00	0.00

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<b>Well:</b>	Peach 03-12H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Wellbore		
<b>Design:</b>	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	336.37	7,642.00	2,439.60	-1,067.49	2,662.93	0.00	0.00	0.00
10,200.00	90.00	336.37	7,642.00	2,531.21	-1,107.58	2,762.93	0.00	0.00	0.00
10,300.00	90.00	336.37	7,642.00	2,622.83	-1,147.67	2,862.93	0.00	0.00	0.00
10,400.00	90.00	336.37	7,642.00	2,714.44	-1,187.75	2,962.93	0.00	0.00	0.00
10,500.00	90.00	336.37	7,642.00	2,806.06	-1,227.84	3,062.93	0.00	0.00	0.00
10,600.00	90.00	336.37	7,642.00	2,897.67	-1,267.93	3,162.93	0.00	0.00	0.00
10,700.00	90.00	336.37	7,642.00	2,989.28	-1,308.02	3,262.93	0.00	0.00	0.00
10,800.00	90.00	336.37	7,642.00	3,080.90	-1,348.10	3,362.93	0.00	0.00	0.00
10,900.00	90.00	336.37	7,642.00	3,172.51	-1,388.19	3,462.93	0.00	0.00	0.00
11,000.00	90.00	336.37	7,642.00	3,264.12	-1,428.28	3,562.93	0.00	0.00	0.00
11,100.00	90.00	336.37	7,642.00	3,355.74	-1,468.36	3,662.93	0.00	0.00	0.00
11,200.00	90.00	336.37	7,642.00	3,447.35	-1,508.45	3,762.93	0.00	0.00	0.00
11,300.00	90.00	336.37	7,642.00	3,538.96	-1,548.54	3,862.93	0.00	0.00	0.00
11,400.00	90.00	336.37	7,642.00	3,630.58	-1,588.63	3,962.93	0.00	0.00	0.00
11,500.00	90.00	336.37	7,642.00	3,722.19	-1,628.71	4,062.93	0.00	0.00	0.00
11,600.00	90.00	336.37	7,642.00	3,813.80	-1,668.80	4,162.93	0.00	0.00	0.00
11,700.00	90.00	336.37	7,642.00	3,905.42	-1,708.89	4,262.93	0.00	0.00	0.00
11,800.00	90.00	336.37	7,642.00	3,997.03	-1,748.97	4,362.93	0.00	0.00	0.00
11,900.00	90.00	336.37	7,642.00	4,088.64	-1,789.06	4,462.93	0.00	0.00	0.00
12,000.00	90.00	336.37	7,642.00	4,180.26	-1,829.15	4,562.93	0.00	0.00	0.00
12,054.89	90.00	336.37	7,642.00	4,230.54	-1,851.15	4,617.82	0.00	0.00	0.00
4 1/2" - Peach 03-12H (BHL)									

### Targets

#### Target Name

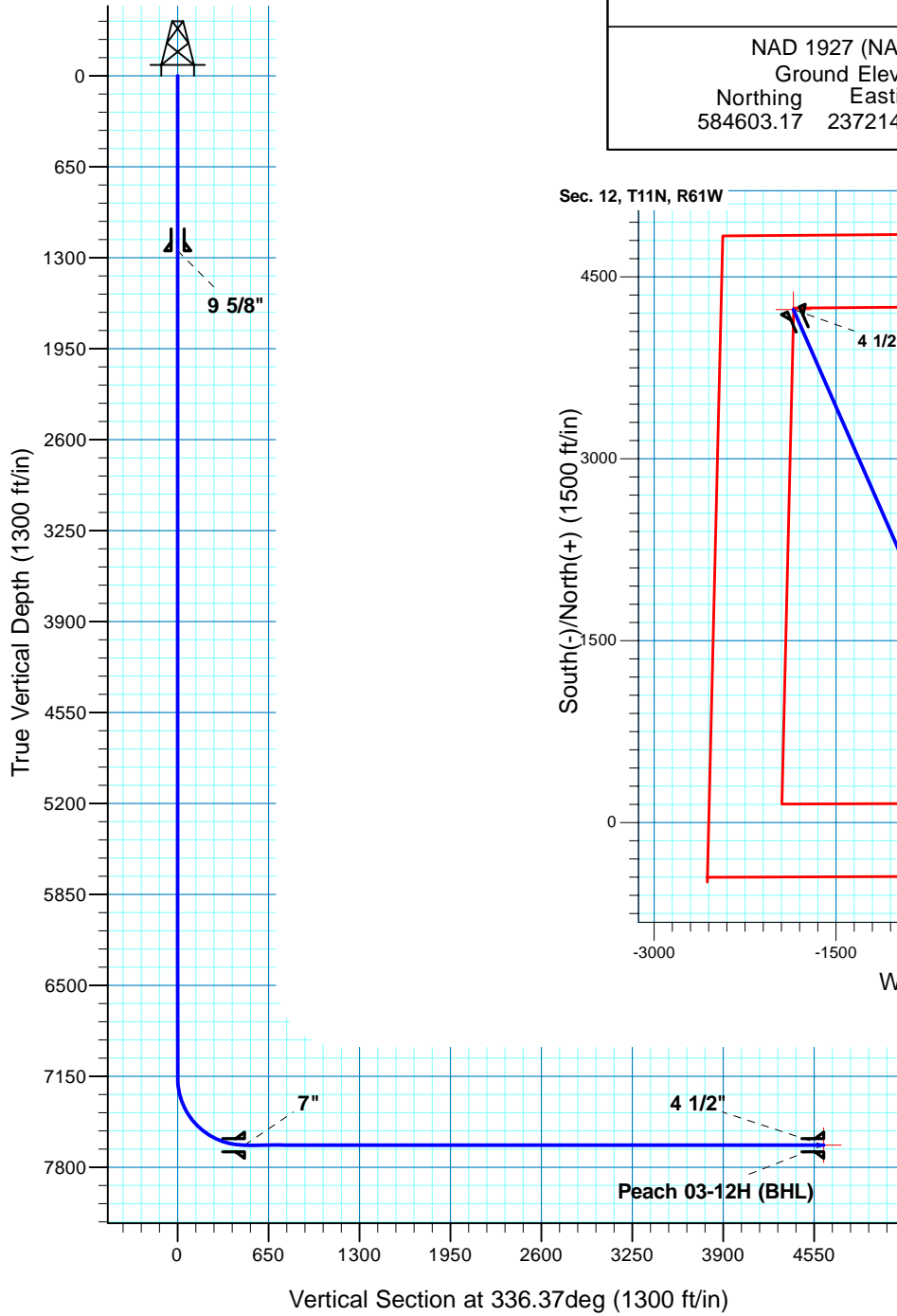
- hit/miss target	Dip Angle (deg)	Dip Dir. (deg)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Peach 03-12H (BHL)	0.00	0.00	7,642.00	4,230.54	-1,851.15	588,805.11	2,370,234.39	40° 56' 31.139 N	104° 9' 35.759 W
- plan hits target center									
- Point									

### Casing Points

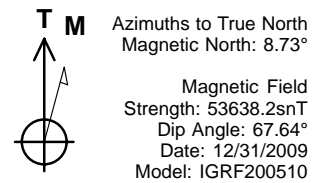
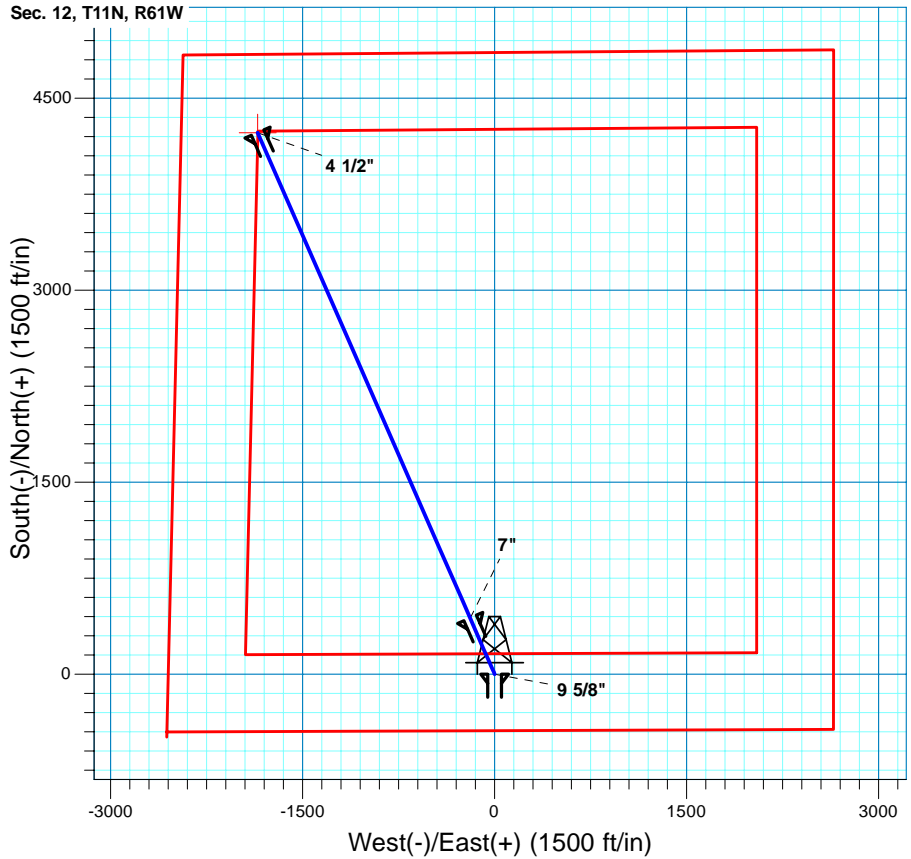
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,250.00	1,250.00	9 5/8"	9-5/8	12-1/4
7,914.54	7,642.00	7"	7	8-3/4
12,054.89	7,642.00	4 1/2"	4-1/2	6-1/4

# Peach 03-12H

Section 12 T11N R61W  
Weld County, CO



Surface Location				
NAD 1927 (NADCON CONUS) Colorado North 501				
Ground Elevation: 5298.00 Rig @ 5323.00ft				
Northing	Easting	Latitude	Longitude	
584603.17	2372149.58	40° 55' 49.339 N	104° 9' 11.639 W	



Project: DJ - Hereford Ranch  
 Site: Peach 03-12H  
 Well: Peach 03-12H  
 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	7164.53	0.00	0.00	7164.53	0.00	0.00	0.00	0.00	0.00	
3	7914.54	90.00	336.37	7642.00	437.42	-191.40	12.00	336.37	477.47	
4	12054.89	90.00	336.37	7642.00	4230.54	-1851.15	0.00	0.00	4617.82	Peach 03-12H (BHL)

## TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Peach 03-12H (BHL)	7642.00	4230.54	-1851.15	588805.11	2370234.39	40° 56' 31.139 N	104° 9' 35.759 W	Point