

Denver Division- Colorado

DJ - Hereford Ranch

Anschutz East Platte 04-04H

Anschutz East Platte 04-04H

Original Wellbore

Plan: APD Directional Plan

Standard Planning Report

20 September, 2011

EOG Resources Inc

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Anschutz East Platte 04-04H
Company:	Denver Division- Colorado	TVD Reference:	RIG @ 4510.00ft (TBD)
Project:	DJ - Hereford Ranch	MD Reference:	RIG @ 4510.00ft (TBD)
Site:	Anschutz East Platte 04-04H	North Reference:	True
Well:	Anschutz East Platte 04-04H	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	Anschutz East Platte 04-04H				
Site Position:		Northing:	367,883.87 ft	Latitude:	40° 20' 9.820 N
From:	Lat/Long	Easting:	2,360,087.93ft	Longitude:	104° 12' 29.880 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.83 deg

Well	Anschutz East Platte 04-04H					
Well Position	+N-S	0.00 ft	Northing:	367,883.87 ft	Latitude:	40° 20' 9.820 N
	+E-W	0.00 ft	Easting:	2,360,087.93 ft	Longitude:	104° 12' 29.880 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,488.00 ft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (deg)	Dip Angle (deg)	Field Strength (nT)
	IGRF200510	9/19/2011	8.48	67.09	53,153

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	334.80	

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	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,062.61	0.63	334.80	1,062.61	0.31	-0.15	1.00	1.00	0.00	334.80	
5,384.01	0.63	334.80	5,383.75	43.04	-20.25	0.00	0.00	0.00	0.00	
6,128.79	90.00	334.80	5,856.00	475.03	-223.53	12.00	12.00	0.00	0.00	Anschutz East Platt
10,567.32	90.00	334.80	5,856.00	4,491.14	-2,113.37	0.00	0.00	0.00	0.00	Anschutz East Platt

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Project:	DJ - Hereford Ranch	MD Reference:	RIG @ 4510.00ft (TBD)
Site:	Anschutz East Platte 04-04H	North Reference:	True
Well:	Anschutz East Platte 04-04H	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
9-5/8"									
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
1,062.61	0.63	334.80	1,062.61	0.31	-0.15	0.34	1.00	1.00	0.00
1,100.00	0.63	334.80	1,100.00	0.68	-0.32	0.75	0.00	0.00	0.00
1,200.00	0.63	334.80	1,199.99	1.67	-0.78	1.84	0.00	0.00	0.00
1,300.00	0.63	334.80	1,299.98	2.66	-1.25	2.94	0.00	0.00	0.00
1,400.00	0.63	334.80	1,399.98	3.65	-1.72	4.03	0.00	0.00	0.00
1,500.00	0.63	334.80	1,499.97	4.63	-2.18	5.12	0.00	0.00	0.00
1,600.00	0.63	334.80	1,599.97	5.62	-2.65	6.21	0.00	0.00	0.00
1,700.00	0.63	334.80	1,699.96	6.61	-3.11	7.31	0.00	0.00	0.00
1,800.00	0.63	334.80	1,799.95	7.60	-3.58	8.40	0.00	0.00	0.00
1,900.00	0.63	334.80	1,899.95	8.59	-4.04	9.49	0.00	0.00	0.00
2,000.00	0.63	334.80	1,999.94	9.58	-4.51	10.59	0.00	0.00	0.00
2,100.00	0.63	334.80	2,099.94	10.57	-4.97	11.68	0.00	0.00	0.00
2,200.00	0.63	334.80	2,199.93	11.56	-5.44	12.77	0.00	0.00	0.00
2,300.00	0.63	334.80	2,299.92	12.54	-5.90	13.86	0.00	0.00	0.00
2,400.00	0.63	334.80	2,399.92	13.53	-6.37	14.96	0.00	0.00	0.00
2,500.00	0.63	334.80	2,499.91	14.52	-6.83	16.05	0.00	0.00	0.00
2,600.00	0.63	334.80	2,599.91	15.51	-7.30	17.14	0.00	0.00	0.00
2,700.00	0.63	334.80	2,699.90	16.50	-7.76	18.23	0.00	0.00	0.00
2,800.00	0.63	334.80	2,799.90	17.49	-8.23	19.33	0.00	0.00	0.00
2,900.00	0.63	334.80	2,899.89	18.48	-8.69	20.42	0.00	0.00	0.00
3,000.00	0.63	334.80	2,999.88	19.46	-9.16	21.51	0.00	0.00	0.00
3,100.00	0.63	334.80	3,099.88	20.45	-9.62	22.60	0.00	0.00	0.00
3,200.00	0.63	334.80	3,199.87	21.44	-10.09	23.70	0.00	0.00	0.00
3,300.00	0.63	334.80	3,299.87	22.43	-10.56	24.79	0.00	0.00	0.00
3,400.00	0.63	334.80	3,399.86	23.42	-11.02	25.88	0.00	0.00	0.00
3,500.00	0.63	334.80	3,499.85	24.41	-11.49	26.98	0.00	0.00	0.00
3,600.00	0.63	334.80	3,599.85	25.40	-11.95	28.07	0.00	0.00	0.00
3,700.00	0.63	334.80	3,699.84	26.39	-12.42	29.16	0.00	0.00	0.00
3,800.00	0.63	334.80	3,799.84	27.37	-12.88	30.25	0.00	0.00	0.00
3,900.00	0.63	334.80	3,899.83	28.36	-13.35	31.35	0.00	0.00	0.00
4,000.00	0.63	334.80	3,999.82	29.35	-13.81	32.44	0.00	0.00	0.00
4,100.00	0.63	334.80	4,099.82	30.34	-14.28	33.53	0.00	0.00	0.00
4,200.00	0.63	334.80	4,199.81	31.33	-14.74	34.62	0.00	0.00	0.00
4,300.00	0.63	334.80	4,299.81	32.32	-15.21	35.72	0.00	0.00	0.00
4,400.00	0.63	334.80	4,399.80	33.31	-15.67	36.81	0.00	0.00	0.00
4,500.00	0.63	334.80	4,499.79	34.30	-16.14	37.90	0.00	0.00	0.00
4,600.00	0.63	334.80	4,599.79	35.28	-16.60	39.00	0.00	0.00	0.00
4,700.00	0.63	334.80	4,699.78	36.27	-17.07	40.09	0.00	0.00	0.00
4,800.00	0.63	334.80	4,799.78	37.26	-17.53	41.18	0.00	0.00	0.00
4,900.00	0.63	334.80	4,899.77	38.25	-18.00	42.27	0.00	0.00	0.00
5,000.00	0.63	334.80	4,999.76	39.24	-18.46	43.37	0.00	0.00	0.00
5,100.00	0.63	334.80	5,099.76	40.23	-18.93	44.46	0.00	0.00	0.00

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Project:	DJ - Hereford Ranch	MD Reference:	RIG @ 4510.00ft (TBD)
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Well:	Anschutz East Platte 04-04H	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)
5,200.00	0.63	334.80	5,199.75	41.22	-19.40	45.55	0.00	0.00	0.00
5,300.00	0.63	334.80	5,299.75	42.21	-19.86	46.64	0.00	0.00	0.00
5,384.01	0.63	334.80	5,383.75	43.04	-20.25	47.56	0.00	0.00	0.00
5,400.00	2.54	334.80	5,399.73	43.44	-20.44	48.01	12.00	12.00	0.00
5,500.00	14.54	334.80	5,498.44	56.86	-26.75	62.84	12.00	12.00	0.00
5,600.00	26.54	334.80	5,591.91	88.55	-41.67	97.87	12.00	12.00	0.00
5,700.00	38.54	334.80	5,676.06	137.14	-64.53	151.56	12.00	12.00	0.00
5,800.00	50.54	334.80	5,747.20	200.49	-94.34	221.58	12.00	12.00	0.00
5,900.00	62.54	334.80	5,802.22	275.85	-129.80	304.86	12.00	12.00	0.00
6,000.00	74.54	334.80	5,838.73	359.91	-169.36	397.76	12.00	12.00	0.00
6,100.00	86.54	334.80	5,855.13	449.00	-211.28	496.22	12.00	12.00	0.00
6,128.54	89.97	334.80	5,856.00	474.80	-223.43	524.75	12.00	12.00	0.00
7"									
6,128.79	90.00	334.80	5,856.00	475.03	-223.53	525.00	12.00	12.00	0.00
Anschutz East Platte 04-04H (ICP)									
6,200.00	90.00	334.80	5,856.00	539.46	-253.85	596.21	0.00	0.00	0.00
6,300.00	90.00	334.80	5,856.00	629.95	-296.43	696.21	0.00	0.00	0.00
6,400.00	90.00	334.80	5,856.00	720.43	-339.01	796.21	0.00	0.00	0.00
6,500.00	90.00	334.80	5,856.00	810.91	-381.59	896.21	0.00	0.00	0.00
6,600.00	90.00	334.80	5,856.00	901.39	-424.16	996.21	0.00	0.00	0.00
6,700.00	90.00	334.80	5,856.00	991.88	-466.74	1,096.21	0.00	0.00	0.00
6,800.00	90.00	334.80	5,856.00	1,082.36	-509.32	1,196.21	0.00	0.00	0.00
6,900.00	90.00	334.80	5,856.00	1,172.84	-551.90	1,296.21	0.00	0.00	0.00
7,000.00	90.00	334.80	5,856.00	1,263.32	-594.48	1,396.21	0.00	0.00	0.00
7,100.00	90.00	334.80	5,856.00	1,353.81	-637.05	1,496.21	0.00	0.00	0.00
7,200.00	90.00	334.80	5,856.00	1,444.29	-679.63	1,596.21	0.00	0.00	0.00
7,300.00	90.00	334.80	5,856.00	1,534.77	-722.21	1,696.21	0.00	0.00	0.00
7,400.00	90.00	334.80	5,856.00	1,625.26	-764.79	1,796.21	0.00	0.00	0.00
7,500.00	90.00	334.80	5,856.00	1,715.74	-807.36	1,896.21	0.00	0.00	0.00
7,600.00	90.00	334.80	5,856.00	1,806.22	-849.94	1,996.21	0.00	0.00	0.00
7,700.00	90.00	334.80	5,856.00	1,896.70	-892.52	2,096.21	0.00	0.00	0.00
7,800.00	90.00	334.80	5,856.00	1,987.19	-935.10	2,196.21	0.00	0.00	0.00
7,900.00	90.00	334.80	5,856.00	2,077.67	-977.68	2,296.21	0.00	0.00	0.00
8,000.00	90.00	334.80	5,856.00	2,168.15	-1,020.25	2,396.21	0.00	0.00	0.00
8,100.00	90.00	334.80	5,856.00	2,258.63	-1,062.83	2,496.21	0.00	0.00	0.00
8,200.00	90.00	334.80	5,856.00	2,349.12	-1,105.41	2,596.21	0.00	0.00	0.00
8,300.00	90.00	334.80	5,856.00	2,439.60	-1,147.99	2,696.21	0.00	0.00	0.00
8,400.00	90.00	334.80	5,856.00	2,530.08	-1,190.57	2,796.21	0.00	0.00	0.00
8,500.00	90.00	334.80	5,856.00	2,620.56	-1,233.14	2,896.21	0.00	0.00	0.00
8,600.00	90.00	334.80	5,856.00	2,711.05	-1,275.72	2,996.21	0.00	0.00	0.00
8,700.00	90.00	334.80	5,856.00	2,801.53	-1,318.30	3,096.21	0.00	0.00	0.00
8,800.00	90.00	334.80	5,856.00	2,892.01	-1,360.88	3,196.21	0.00	0.00	0.00
8,900.00	90.00	334.80	5,856.00	2,982.50	-1,403.46	3,296.21	0.00	0.00	0.00
9,000.00	90.00	334.80	5,856.00	3,072.98	-1,446.03	3,396.21	0.00	0.00	0.00
9,100.00	90.00	334.80	5,856.00	3,163.46	-1,488.61	3,496.21	0.00	0.00	0.00
9,200.00	90.00	334.80	5,856.00	3,253.94	-1,531.19	3,596.21	0.00	0.00	0.00
9,300.00	90.00	334.80	5,856.00	3,344.43	-1,573.77	3,696.21	0.00	0.00	0.00
9,400.00	90.00	334.80	5,856.00	3,434.91	-1,616.35	3,796.21	0.00	0.00	0.00
9,500.00	90.00	334.80	5,856.00	3,525.39	-1,658.92	3,896.21	0.00	0.00	0.00
9,600.00	90.00	334.80	5,856.00	3,615.87	-1,701.50	3,996.21	0.00	0.00	0.00
9,700.00	90.00	334.80	5,856.00	3,706.36	-1,744.08	4,096.21	0.00	0.00	0.00
9,800.00	90.00	334.80	5,856.00	3,796.84	-1,786.66	4,196.21	0.00	0.00	0.00
9,900.00	90.00	334.80	5,856.00	3,887.32	-1,829.24	4,296.21	0.00	0.00	0.00
10,000.00	90.00	334.80	5,856.00	3,977.81	-1,871.81	4,396.21	0.00	0.00	0.00

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Well:	Anschutz East Platte 04-04H	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	334.80	5,856.00	4,068.29	-1,914.39	4,496.21	0.00	0.00	0.00
10,200.00	90.00	334.80	5,856.00	4,158.77	-1,956.97	4,596.21	0.00	0.00	0.00
10,300.00	90.00	334.80	5,856.00	4,249.25	-1,999.55	4,696.21	0.00	0.00	0.00
10,400.00	90.00	334.80	5,856.00	4,339.74	-2,042.12	4,796.21	0.00	0.00	0.00
10,500.00	90.00	334.80	5,856.00	4,430.22	-2,084.70	4,896.21	0.00	0.00	0.00
10,567.32	90.00	334.80	5,856.00	4,491.14	-2,113.37	4,963.53	0.00	0.00	0.00
Anschutz East Platte 04-04H (BHL)									

Design Targets									
Target Name	Dip Angle (deg)	Dip Dir. (deg)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Anschutz East Platte (0.00	0.00	5,856.00	4,491.02	-2,113.61	372,343.62	2,357,909.13	40° 20' 54.200 N	104° 12' 57.179 W
- plan misses target center by 0.27ft at 10567.32ft MD (5856.00 TVD, 4491.14 N, -2113.37 E)									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
800.00	800.00	9-5/8"	9-5/8	13-1/2	
6,128.54	5,856.00	7"	7	8-3/4	
10,614.60		4 1/2"	4-1/2	6	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (deg)	Dip Direction (deg)
5,848.39	5,776.00	Top of Niobrara		0.00	

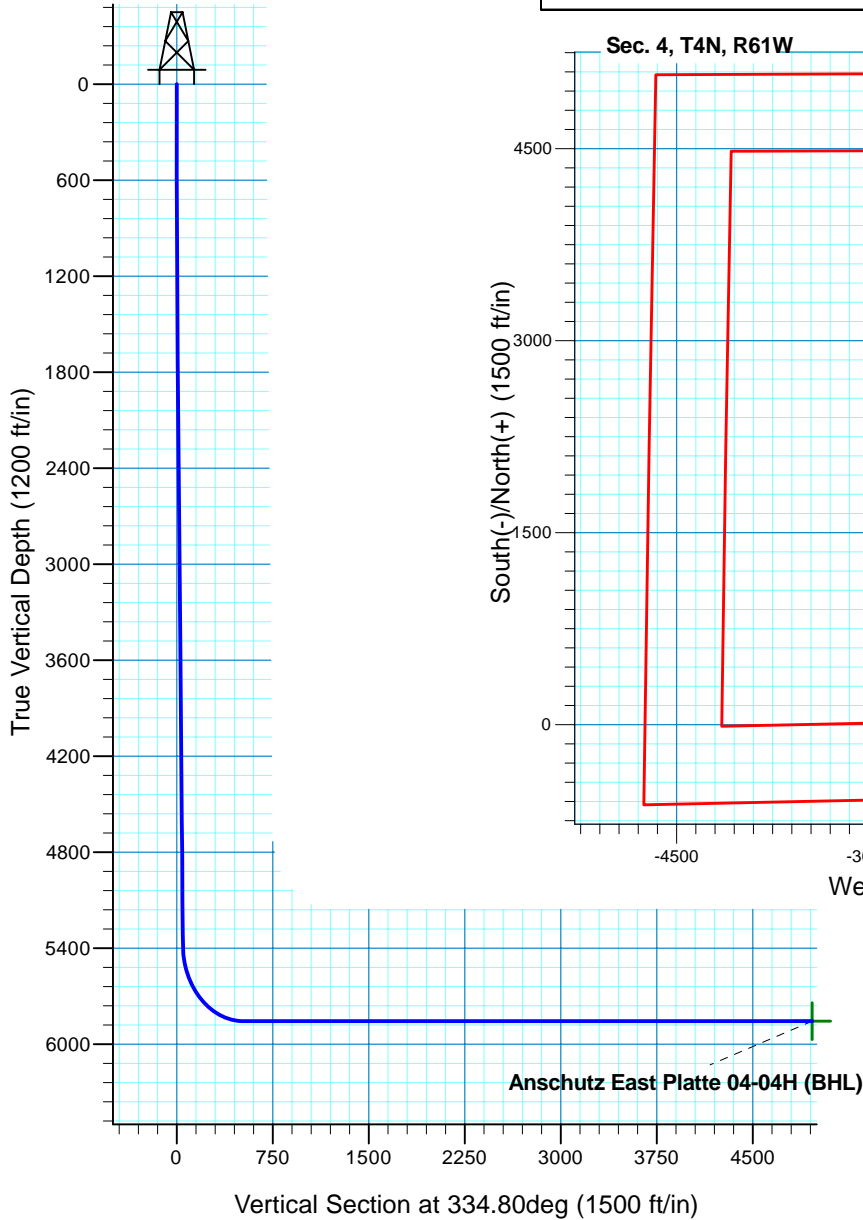
Anschutz East Platte 04-04H

Section 4 T4N R61W

Weld County, CO

Surface Location

NAD 1927 (NADCON CONUS) Colorado North 501
Ground Elevation: 4488.00 RIG @ 4510.00ft (TBD)
Northing Easting Latitude Longitude
367883.87 2360087.93 40° 20' 9.820 N 104° 12' 29.880 W



T M
Azimuths to True North
Magnetic North: 8.48°
Magnetic Field
Strength: 53152.9nT
Dip Angle: 67.09°
Date: 9/19/2011
Model: IGRF200510

Project: DJ - Hereford Ranch
Site: Anschutz East Platte 04-04H
Well: Anschutz East Platte 04-04H
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	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1062.61	0.63	334.80	1062.61	0.31	-0.15	1.00	334.80	0.34	
4	5384.01	0.63	334.80	5383.75	43.04	-20.25	0.00	0.00	47.56	
5	6128.79	90.00	334.80	5856.00	475.03	-223.53	12.00	0.00	525.00	Anschutz East Platte 04-04H (ICP)
6	10567.32	90.00	334.80	5856.00	4491.14	-2113.37	0.00	0.00	4963.53	Anschutz East Platte 04-04H (BHL)

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape Point
Anschutz East Platte 04-04H (BHL)	5856.00	4491.02	-2113.61	372343.62	2357909.13	40° 20' 54.200 N	104° 12' 57.179 W	