



BAYSWATER

Bayswater Exploration & Production, LLC

DJ Basin

COT EAST Pad

COT E O-30-29HN

Wellbore #1

Plan: Design #1

Standard Planning Report

18 September, 2019



Pad Name: COT EAST Pad
Well Name: COT E O-30-29HN
Ground Level: 4946.0
SHL Latitude: 40° 32' 38.979 N
SHL Longitude: 104° 49' 29.302 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1754.2	5.08	96.06	1753.9	-1.2	11.2	2.00	96.06	11.2	
4	6795.6	5.08	96.06	6775.5	-48.4	455.5	0.00	0.00	455.0	
5	7645.6	90.04	88.99	7298.0	-44.0	1026.6	10.00	-7.10	1026.1	COT E O-30-29HN LP
6	15308.1	90.04	88.99	7293.0	90.8	8688.0	0.00	0.00	8688.4	COT E O-30-29HN PBHL

DESIGN TARGET DETAILS

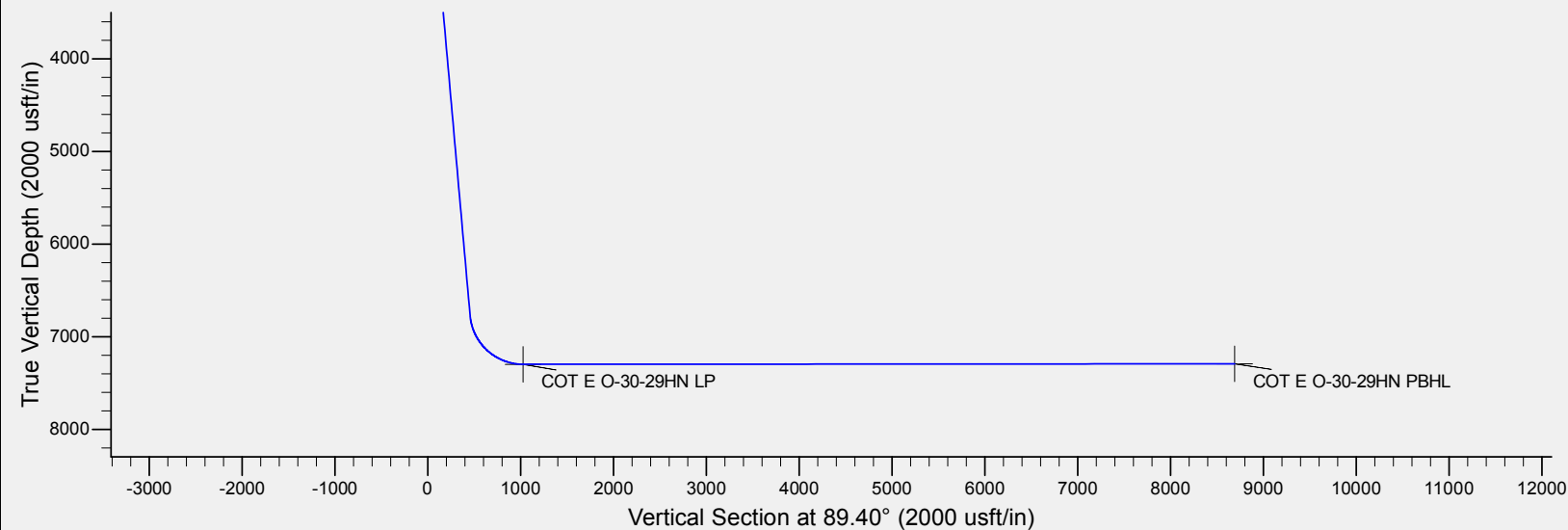
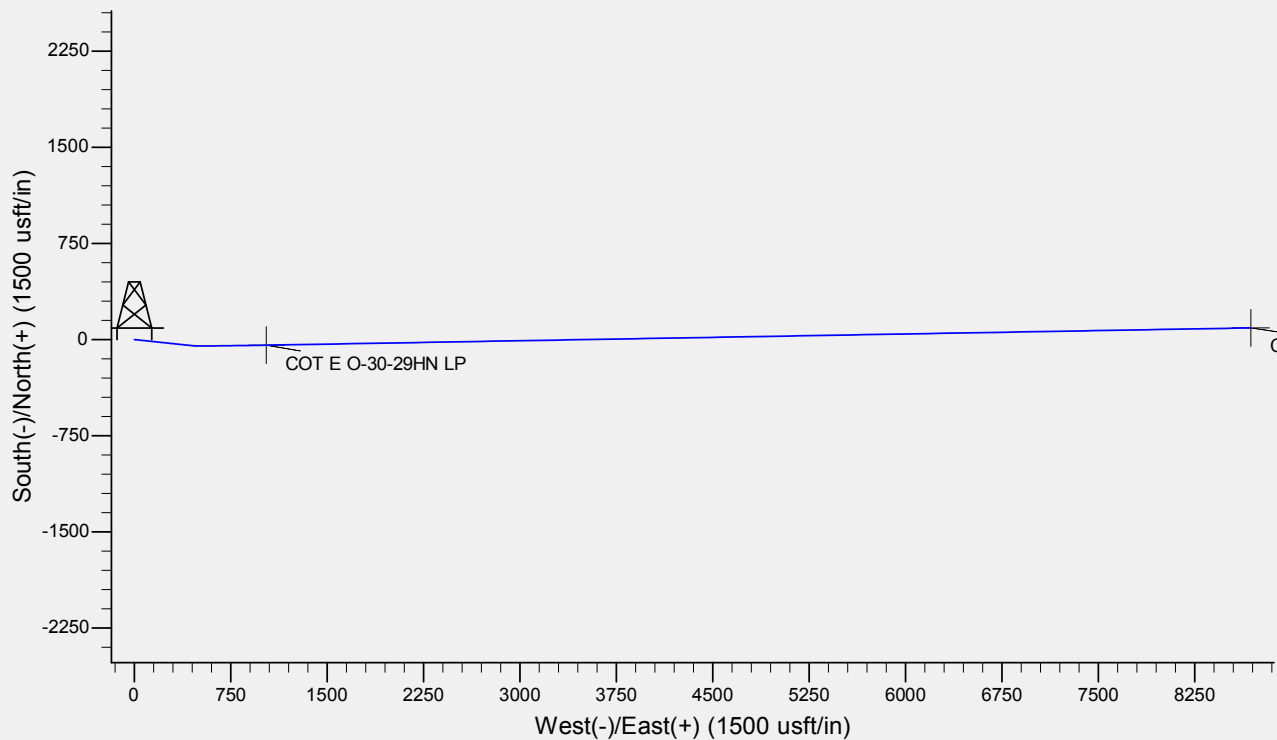
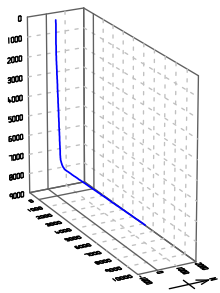
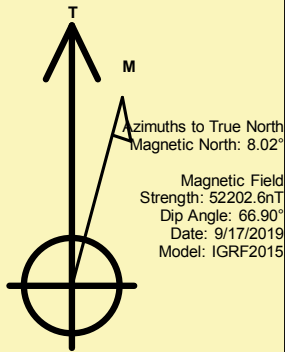
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
COT E O-30-29HN LP	7298.0	-44.0	1026.6	1441756.84	3188673.76	40° 32' 38.544 N	104° 49' 16.003 W	Point
COT E O-30-29HN PBHL	7293.0 - plan hits target center	90.8	8688.0	1441950.02	3196333.84	40° 32' 39.862 N	104° 47' 36.762 W	Point

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well COT E O-30-29HN, True North
Vertical (TVD) Reference: WELL @ 4946.0usft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 4946.0usft (Original Well Elev)
Calculation Method: Minimum Curvature

CASING DETAILS

No casing data is available





Database:	EDM	Local Co-ordinate Reference:	Well COT E O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4946.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4946.0usft (Original Well Elev)
Site:	COT EAST Pad	North Reference:	True
Well:	COT E O-30-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	DJ Basin, DJ Basin		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		COT EAST Pad			
Site Position:		Northing:	1,441,808.02 usft	Latitude:	40° 32' 39.127 N
From:	Lat/Long	Easting:	3,187,646.71 usft	Longitude:	104° 49' 29.302 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 °

Well	COT E O-30-29HN					
Well Position	+N/-S	-15.0 usft	Northing:	1,441,793.06 usft	Latitude:	40° 32' 38.979 N
	+E/-W	0.0 usft	Easting:	3,187,646.82 usft	Longitude:	104° 49' 29.302 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	4,946.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/17/2019	8.02	66.90	52,202.64620353

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	89.40

Plan Survey Tool Program	Date	9/17/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	15,308.1	Design #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,754.2	5.08	96.06	1,753.9	-1.2	11.2	2.00	2.00	0.00	96.06	
6,795.6	5.08	96.06	6,775.5	-48.4	455.5	0.00	0.00	0.00	0.00	
7,645.6	90.04	88.99	7,298.0	-44.0	1,026.6	10.00	10.00	-0.83	-7.10	COT E O-30-29HN LF
15,308.1	90.04	88.99	7,293.0	90.8	8,688.0	0.00	0.00	0.00	0.00	COT E O-30-29HN PI



Database:	EDM	Local Co-ordinate Reference:	Well COT E O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4946.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4946.0usft (Original Well Elev)
Site:	COT EAST Pad	North Reference:	True
Well:	COT E O-30-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
1,600.0	2.00	96.06	1,600.0	-0.2	1.7	1.7	2.00	2.00	0.00
1,700.0	4.00	96.06	1,699.8	-0.7	6.9	6.9	2.00	2.00	0.00
1,754.2	5.08	96.06	1,753.9	-1.2	11.2	11.2	2.00	2.00	0.00
1,800.0	5.08	96.06	1,799.5	-1.6	15.2	15.2	0.00	0.00	0.00
1,900.0	5.08	96.06	1,899.1	-2.6	24.1	24.0	0.00	0.00	0.00
2,000.0	5.08	96.06	1,998.7	-3.5	32.9	32.8	0.00	0.00	0.00
2,100.0	5.08	96.06	2,098.3	-4.4	41.7	41.6	0.00	0.00	0.00
2,200.0	5.08	96.06	2,197.9	-5.4	50.5	50.4	0.00	0.00	0.00
2,300.0	5.08	96.06	2,297.5	-6.3	59.3	59.2	0.00	0.00	0.00
2,400.0	5.08	96.06	2,397.1	-7.2	68.1	68.0	0.00	0.00	0.00
2,500.0	5.08	96.06	2,496.7	-8.2	76.9	76.8	0.00	0.00	0.00
2,600.0	5.08	96.06	2,596.3	-9.1	85.7	85.6	0.00	0.00	0.00
2,700.0	5.08	96.06	2,695.9	-10.0	94.6	94.5	0.00	0.00	0.00
2,800.0	5.08	96.06	2,795.6	-11.0	103.4	103.3	0.00	0.00	0.00
2,900.0	5.08	96.06	2,895.2	-11.9	112.2	112.1	0.00	0.00	0.00
3,000.0	5.08	96.06	2,994.8	-12.8	121.0	120.9	0.00	0.00	0.00
3,100.0	5.08	96.06	3,094.4	-13.8	129.8	129.7	0.00	0.00	0.00
3,200.0	5.08	96.06	3,194.0	-14.7	138.6	138.5	0.00	0.00	0.00
3,300.0	5.08	96.06	3,293.6	-15.7	147.4	147.3	0.00	0.00	0.00
3,400.0	5.08	96.06	3,393.2	-16.6	156.3	156.1	0.00	0.00	0.00
3,500.0	5.08	96.06	3,492.8	-17.5	165.1	164.9	0.00	0.00	0.00
3,600.0	5.08	96.06	3,592.4	-18.5	173.9	173.7	0.00	0.00	0.00
3,700.0	5.08	96.06	3,692.0	-19.4	182.7	182.5	0.00	0.00	0.00
3,800.0	5.08	96.06	3,791.6	-20.3	191.5	191.3	0.00	0.00	0.00
3,900.0	5.08	96.06	3,891.2	-21.3	200.3	200.1	0.00	0.00	0.00
4,000.0	5.08	96.06	3,990.8	-22.2	209.1	208.9	0.00	0.00	0.00
4,100.0	5.08	96.06	4,090.4	-23.1	217.9	217.7	0.00	0.00	0.00
4,200.0	5.08	96.06	4,190.0	-24.1	226.8	226.5	0.00	0.00	0.00
4,300.0	5.08	96.06	4,289.6	-25.0	235.6	235.3	0.00	0.00	0.00
4,400.0	5.08	96.06	4,389.3	-25.9	244.4	244.1	0.00	0.00	0.00
4,500.0	5.08	96.06	4,488.9	-26.9	253.2	252.9	0.00	0.00	0.00
4,600.0	5.08	96.06	4,588.5	-27.8	262.0	261.7	0.00	0.00	0.00
4,700.0	5.08	96.06	4,688.1	-28.8	270.8	270.5	0.00	0.00	0.00
4,800.0	5.08	96.06	4,787.7	-29.7	279.6	279.3	0.00	0.00	0.00
4,900.0	5.08	96.06	4,887.3	-30.6	288.4	288.1	0.00	0.00	0.00
5,000.0	5.08	96.06	4,986.9	-31.6	297.3	296.9	0.00	0.00	0.00
5,100.0	5.08	96.06	5,086.5	-32.5	306.1	305.7	0.00	0.00	0.00
5,200.0	5.08	96.06	5,186.1	-33.4	314.9	314.5	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT E O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4946.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4946.0usft (Original Well Elev)
Site:	COT EAST Pad	North Reference:	True
Well:	COT E O-30-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	5.08	96.06	5,285.7	-34.4	323.7	323.3	0.00	0.00	0.00
5,400.0	5.08	96.06	5,385.3	-35.3	332.5	332.1	0.00	0.00	0.00
5,500.0	5.08	96.06	5,484.9	-36.2	341.3	340.9	0.00	0.00	0.00
5,600.0	5.08	96.06	5,584.5	-37.2	350.1	349.7	0.00	0.00	0.00
5,700.0	5.08	96.06	5,684.1	-38.1	358.9	358.5	0.00	0.00	0.00
5,800.0	5.08	96.06	5,783.7	-39.0	367.8	367.3	0.00	0.00	0.00
5,900.0	5.08	96.06	5,883.4	-40.0	376.6	376.1	0.00	0.00	0.00
6,000.0	5.08	96.06	5,983.0	-40.9	385.4	384.9	0.00	0.00	0.00
6,100.0	5.08	96.06	6,082.6	-41.9	394.2	393.7	0.00	0.00	0.00
6,200.0	5.08	96.06	6,182.2	-42.8	403.0	402.5	0.00	0.00	0.00
6,300.0	5.08	96.06	6,281.8	-43.7	411.8	411.3	0.00	0.00	0.00
6,400.0	5.08	96.06	6,381.4	-44.7	420.6	420.2	0.00	0.00	0.00
6,500.0	5.08	96.06	6,481.0	-45.6	429.5	429.0	0.00	0.00	0.00
6,600.0	5.08	96.06	6,580.6	-46.5	438.3	437.8	0.00	0.00	0.00
6,700.0	5.08	96.06	6,680.2	-47.5	447.1	446.6	0.00	0.00	0.00
6,795.6	5.08	96.06	6,775.5	-48.4	455.5	455.0	0.00	0.00	0.00
6,800.0	5.52	95.50	6,779.8	-48.4	455.9	455.4	10.00	9.93	-12.85
6,900.0	15.49	91.26	6,878.0	-49.2	474.1	473.6	10.00	9.98	-4.24
7,000.0	25.49	90.31	6,971.6	-49.6	509.1	508.5	10.00	9.99	-0.95
7,100.0	35.49	89.87	7,057.6	-49.6	559.7	559.2	10.00	10.00	-0.44
7,200.0	45.49	89.61	7,133.6	-49.3	624.6	624.0	10.00	10.00	-0.26
7,300.0	55.48	89.42	7,197.1	-48.7	701.6	701.1	10.00	10.00	-0.19
7,400.0	65.48	89.28	7,246.3	-47.7	788.5	788.0	10.00	10.00	-0.15
7,500.0	75.48	89.15	7,279.7	-46.4	882.6	882.1	10.00	10.00	-0.12
7,600.0	85.48	89.04	7,296.2	-44.8	981.1	980.6	10.00	10.00	-0.11
7,645.6	90.04	88.99	7,298.0	-44.0	1,026.6	1,026.1	10.00	10.00	-0.11
COT E O-30-29HN LP									
7,700.0	90.04	88.99	7,298.0	-43.1	1,081.1	1,080.6	0.00	0.00	0.00
7,800.0	90.04	88.99	7,297.9	-41.3	1,181.1	1,180.6	0.00	0.00	0.00
7,900.0	90.04	88.99	7,297.8	-39.6	1,281.0	1,280.6	0.00	0.00	0.00
8,000.0	90.04	88.99	7,297.8	-37.8	1,381.0	1,380.6	0.00	0.00	0.00
8,100.0	90.04	88.99	7,297.7	-36.0	1,481.0	1,480.5	0.00	0.00	0.00
8,200.0	90.04	88.99	7,297.6	-34.3	1,581.0	1,580.5	0.00	0.00	0.00
8,300.0	90.04	88.99	7,297.6	-32.5	1,681.0	1,680.5	0.00	0.00	0.00
8,400.0	90.04	88.99	7,297.5	-30.8	1,781.0	1,780.5	0.00	0.00	0.00
8,500.0	90.04	88.99	7,297.4	-29.0	1,880.9	1,880.5	0.00	0.00	0.00
8,600.0	90.04	88.99	7,297.4	-27.2	1,980.9	1,980.5	0.00	0.00	0.00
8,700.0	90.04	88.99	7,297.3	-25.5	2,080.9	2,080.5	0.00	0.00	0.00
8,800.0	90.04	88.99	7,297.2	-23.7	2,180.9	2,180.5	0.00	0.00	0.00
8,900.0	90.04	88.99	7,297.2	-22.0	2,280.9	2,280.5	0.00	0.00	0.00
9,000.0	90.04	88.99	7,297.1	-20.2	2,380.9	2,380.5	0.00	0.00	0.00
9,100.0	90.04	88.99	7,297.1	-18.4	2,480.9	2,480.5	0.00	0.00	0.00
9,200.0	90.04	88.99	7,297.0	-16.7	2,580.8	2,580.5	0.00	0.00	0.00
9,300.0	90.04	88.99	7,296.9	-14.9	2,680.8	2,680.5	0.00	0.00	0.00
9,400.0	90.04	88.99	7,296.9	-13.2	2,780.8	2,780.5	0.00	0.00	0.00
9,500.0	90.04	88.99	7,296.8	-11.4	2,880.8	2,880.5	0.00	0.00	0.00
9,600.0	90.04	88.99	7,296.7	-9.6	2,980.8	2,980.5	0.00	0.00	0.00
9,700.0	90.04	88.99	7,296.7	-7.9	3,080.8	3,080.5	0.00	0.00	0.00
9,800.0	90.04	88.99	7,296.6	-6.1	3,180.7	3,180.5	0.00	0.00	0.00
9,900.0	90.04	88.99	7,296.5	-4.4	3,280.7	3,280.5	0.00	0.00	0.00
10,000.0	90.04	88.99	7,296.5	-2.6	3,380.7	3,380.5	0.00	0.00	0.00
10,100.0	90.04	88.99	7,296.4	-0.8	3,480.7	3,480.5	0.00	0.00	0.00
10,200.0	90.04	88.99	7,296.3	0.9	3,580.7	3,580.5	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT E O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4946.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4946.0usft (Original Well Elev)
Site:	COT EAST Pad	North Reference:	True
Well:	COT E O-30-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,300.0	90.04	88.99	7,296.3	2.7	3,680.7	3,680.5	0.00	0.00	0.00
10,400.0	90.04	88.99	7,296.2	4.4	3,780.7	3,780.5	0.00	0.00	0.00
10,500.0	90.04	88.99	7,296.1	6.2	3,880.6	3,880.5	0.00	0.00	0.00
10,600.0	90.04	88.99	7,296.1	8.0	3,980.6	3,980.5	0.00	0.00	0.00
10,700.0	90.04	88.99	7,296.0	9.7	4,080.6	4,080.5	0.00	0.00	0.00
10,800.0	90.04	88.99	7,295.9	11.5	4,180.6	4,180.5	0.00	0.00	0.00
10,900.0	90.04	88.99	7,295.9	13.2	4,280.6	4,280.5	0.00	0.00	0.00
11,000.0	90.04	88.99	7,295.8	15.0	4,380.6	4,380.5	0.00	0.00	0.00
11,100.0	90.04	88.99	7,295.7	16.8	4,480.5	4,480.5	0.00	0.00	0.00
11,200.0	90.04	88.99	7,295.7	18.5	4,580.5	4,580.5	0.00	0.00	0.00
11,300.0	90.04	88.99	7,295.6	20.3	4,680.5	4,680.5	0.00	0.00	0.00
11,400.0	90.04	88.99	7,295.6	22.0	4,780.5	4,780.5	0.00	0.00	0.00
11,500.0	90.04	88.99	7,295.5	23.8	4,880.5	4,880.5	0.00	0.00	0.00
11,600.0	90.04	88.99	7,295.4	25.6	4,980.5	4,980.5	0.00	0.00	0.00
11,700.0	90.04	88.99	7,295.4	27.3	5,080.4	5,080.5	0.00	0.00	0.00
11,800.0	90.04	88.99	7,295.3	29.1	5,180.4	5,180.5	0.00	0.00	0.00
11,900.0	90.04	88.99	7,295.2	30.8	5,280.4	5,280.5	0.00	0.00	0.00
12,000.0	90.04	88.99	7,295.2	32.6	5,380.4	5,380.4	0.00	0.00	0.00
12,100.0	90.04	88.99	7,295.1	34.4	5,480.4	5,480.4	0.00	0.00	0.00
12,200.0	90.04	88.99	7,295.0	36.1	5,580.4	5,580.4	0.00	0.00	0.00
12,300.0	90.04	88.99	7,295.0	37.9	5,680.4	5,680.4	0.00	0.00	0.00
12,400.0	90.04	88.99	7,294.9	39.6	5,780.3	5,780.4	0.00	0.00	0.00
12,500.0	90.04	88.99	7,294.8	41.4	5,880.3	5,880.4	0.00	0.00	0.00
12,600.0	90.04	88.99	7,294.8	43.1	5,980.3	5,980.4	0.00	0.00	0.00
12,700.0	90.04	88.99	7,294.7	44.9	6,080.3	6,080.4	0.00	0.00	0.00
12,800.0	90.04	88.99	7,294.6	46.7	6,180.3	6,180.4	0.00	0.00	0.00
12,900.0	90.04	88.99	7,294.6	48.4	6,280.3	6,280.4	0.00	0.00	0.00
13,000.0	90.04	88.99	7,294.5	50.2	6,380.2	6,380.4	0.00	0.00	0.00
13,100.0	90.04	88.99	7,294.4	51.9	6,480.2	6,480.4	0.00	0.00	0.00
13,200.0	90.04	88.99	7,294.4	53.7	6,580.2	6,580.4	0.00	0.00	0.00
13,300.0	90.04	88.99	7,294.3	55.5	6,680.2	6,680.4	0.00	0.00	0.00
13,400.0	90.04	88.99	7,294.2	57.2	6,780.2	6,780.4	0.00	0.00	0.00
13,500.0	90.04	88.99	7,294.2	59.0	6,880.2	6,880.4	0.00	0.00	0.00
13,600.0	90.04	88.99	7,294.1	60.7	6,980.2	6,980.4	0.00	0.00	0.00
13,700.0	90.04	88.99	7,294.0	62.5	7,080.1	7,080.4	0.00	0.00	0.00
13,800.0	90.04	88.99	7,294.0	64.3	7,180.1	7,180.4	0.00	0.00	0.00
13,900.0	90.04	88.99	7,293.9	66.0	7,280.1	7,280.4	0.00	0.00	0.00
14,000.0	90.04	88.99	7,293.9	67.8	7,380.1	7,380.4	0.00	0.00	0.00
14,100.0	90.04	88.99	7,293.8	69.5	7,480.1	7,480.4	0.00	0.00	0.00
14,200.0	90.04	88.99	7,293.7	71.3	7,580.1	7,580.4	0.00	0.00	0.00
14,300.0	90.04	88.99	7,293.7	73.1	7,680.0	7,680.4	0.00	0.00	0.00
14,400.0	90.04	88.99	7,293.6	74.8	7,780.0	7,780.4	0.00	0.00	0.00
14,500.0	90.04	88.99	7,293.5	76.6	7,880.0	7,880.4	0.00	0.00	0.00
14,600.0	90.04	88.99	7,293.5	78.3	7,980.0	7,980.4	0.00	0.00	0.00
14,700.0	90.04	88.99	7,293.4	80.1	8,080.0	8,080.4	0.00	0.00	0.00
14,800.0	90.04	88.99	7,293.3	81.9	8,180.0	8,180.4	0.00	0.00	0.00
14,900.0	90.04	88.99	7,293.3	83.6	8,280.0	8,280.4	0.00	0.00	0.00
15,000.0	90.04	88.99	7,293.2	85.4	8,379.9	8,380.4	0.00	0.00	0.00
15,100.0	90.04	88.99	7,293.1	87.1	8,479.9	8,480.4	0.00	0.00	0.00
15,200.0	90.04	88.99	7,293.1	88.9	8,579.9	8,580.4	0.00	0.00	0.00
15,300.0	90.04	88.99	7,293.0	90.7	8,679.9	8,680.4	0.00	0.00	0.00
15,308.1	90.04	88.99	7,293.0	90.8	8,688.0	8,688.4	0.00	0.00	0.00
COT E O-30-29HN PBHL									



Database:	EDM	Local Co-ordinate Reference:	Well COT E O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4946.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4946.0usft (Original Well Elev)
Site:	COT EAST Pad	North Reference:	True
Well:	COT E O-30-29HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
COT E O-30-29HN PBH	0.00	0.00	7,293.0	90.8	8,688.0	1,441,950.02	3,196,333.84	40° 32' 39.862 N	104° 47' 36.762 W
- plan hits target center									
- Point									
COT E O-30-29HN LP	0.00	0.00	7,298.0	-44.0	1,026.6	1,441,756.84	3,188,673.76	40° 32' 38.544 N	104° 49' 16.003 W
- plan hits target center									
- Point									