



BAYSWATER

Bayswater Exploration & Production, LLC

DJ Basin

COT 30-J Pad

COT EAST O-30-29HN

Wellbore #1

Plan: Design #1

Standard Planning Report

12 January, 2019



Pad Name: COT 30-J Pad
Well Name: COT EAST O-30-29HN
Ground Level: 4948.0
SHL Latitude: 40° 32' 38.684 N
SHL Longitude: 104° 49' 29.305 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	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	1753.2	5.06	92.67	1752.9	-0.5	11.2	2.00	92.67	11.2	
4	6795.5	5.06	92.67	6775.5	-21.3	455.8	0.00	0.00	455.5	
5	7645.4	90.04	88.99	7298.0	-14.2	1026.9	10.00	-3.69	1026.6	COT EAST O-30-29HN LP
6	15307.9	90.04	88.99	7293.0	120.7	8688.2	0.00	0.00	8689.1	COT EAST O-30-29HN PBHL

DESIGN TARGET DETAILS

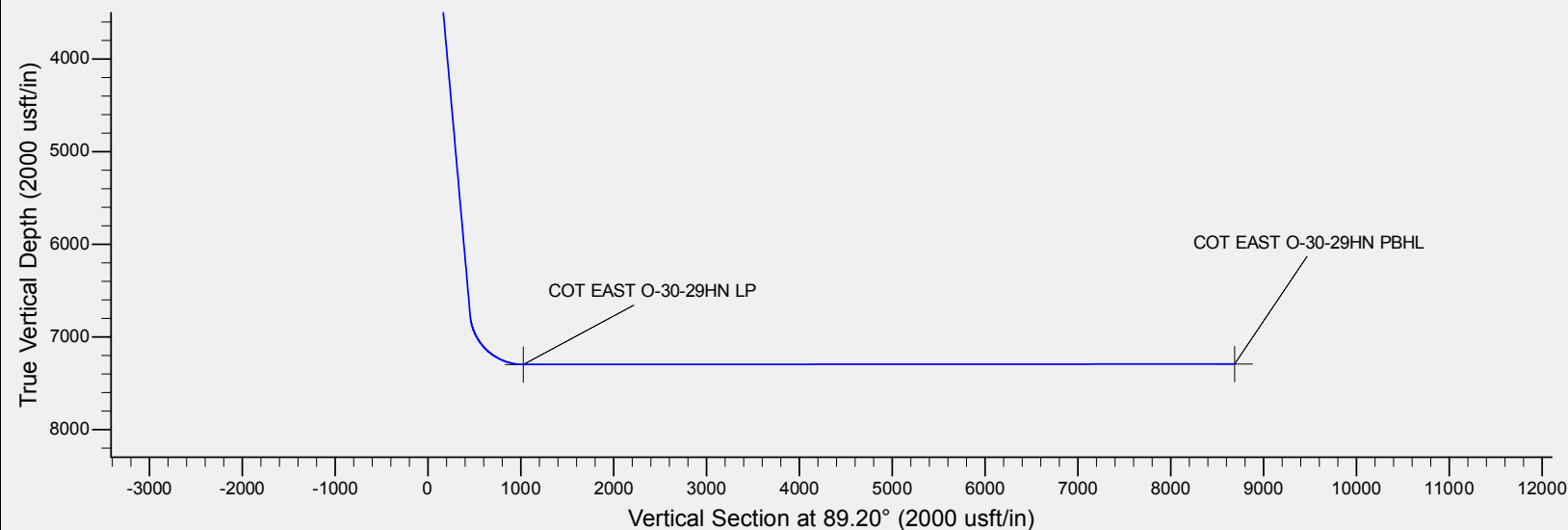
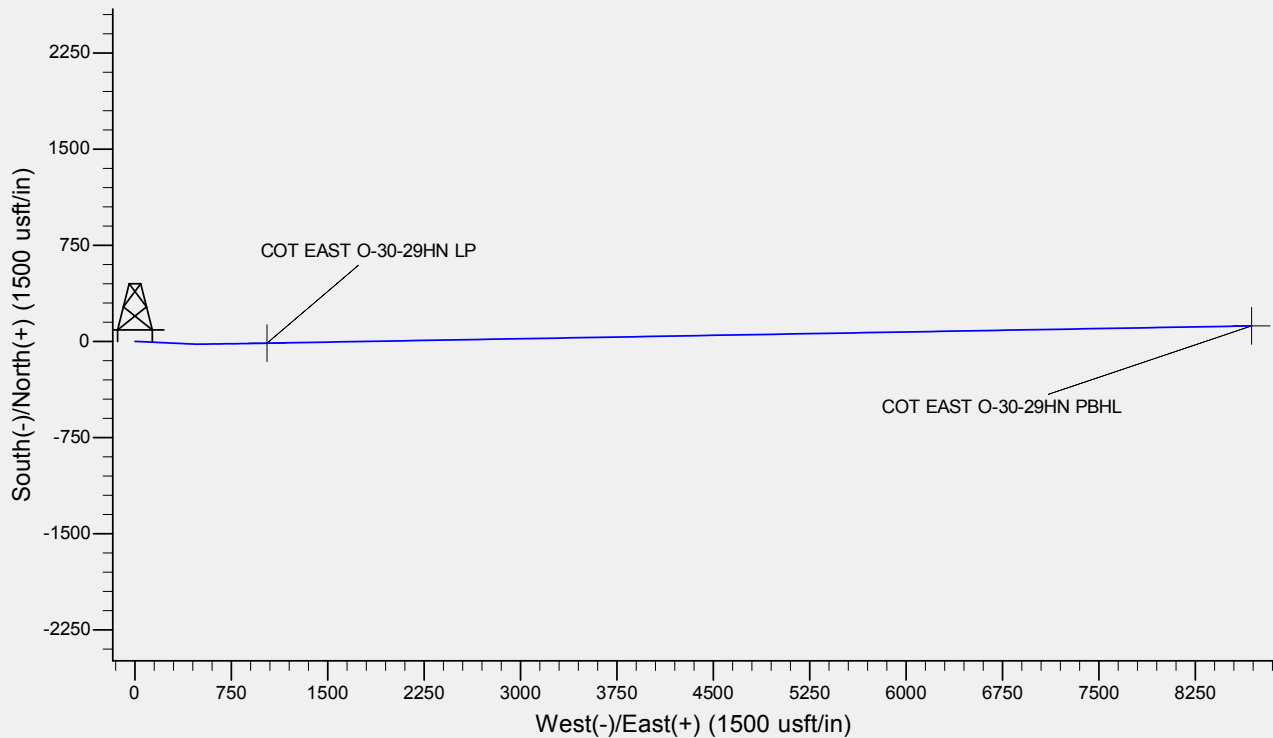
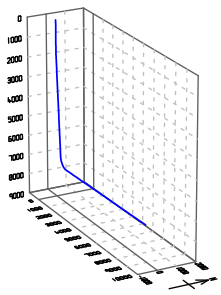
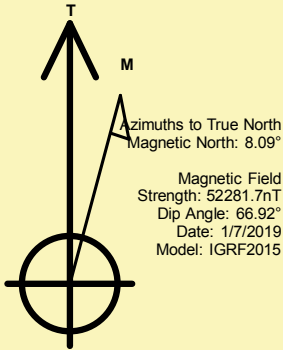
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
COT EAST O-30-29HN LP	7298.0	-14.2	1026.9	1441756.84	3188673.76	40° 32' 38.544 N	104° 49' 16.003 W	Point
COT EAST O-30-29HN PBHL	- plan hits target center 7293.0	120.7	8688.2	1441950.02	3196333.84	40° 32' 39.862 N	104° 47' 36.762 W	Point
	- plan hits target center							

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well COT EAST O-30-29HN, True North
Vertical (TVD) Reference: WELL @ 4948.0usft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 4948.0usft (Original Well Elev)
Calculation Method: Minimum Curvature

CASING DETAILS

No casing data is available





Database:	EDM	Local Co-ordinate Reference:	Well COT EAST O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4948.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4948.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST 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 30-J Pad				
Site Position:		Northing:	1,441,808.00 usft	Latitude:	40° 32' 39.131 N
From:	Lat/Long	Easting:	3,187,596.68 usft	Longitude:	104° 49' 29.950 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 °

Well	COT EAST O-30-29HN					
Well Position	+N/-S	-45.2 usft	Northing:	1,441,763.20 usft	Latitude:	40° 32' 38.684 N
	+E/-W	49.7 usft	Easting:	3,187,646.77 usft	Longitude:	104° 49' 29.305 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	4,948.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/7/2019	8.09	66.92	52,281.73041370

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	89.20

Plan Survey Tool Program	Date	1/7/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,307.9	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	
1,753.2	5.06	92.67	1,752.9	-0.5	11.2	2.00	2.00	0.00	92.67	
6,795.5	5.06	92.67	6,775.5	-21.3	455.8	0.00	0.00	0.00	0.00	
7,645.4	90.04	88.99	7,298.0	-14.2	1,026.9	10.00	10.00	-0.43	-3.69	COT EAST O-30-29H
15,307.9	90.04	88.99	7,293.0	120.7	8,688.2	0.00	0.00	0.00	0.00	COT EAST O-30-29H



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4948.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4948.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST 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	92.67	1,600.0	-0.1	1.7	1.7	2.00	2.00	0.00
1,700.0	4.00	92.67	1,699.8	-0.3	7.0	7.0	2.00	2.00	0.00
1,753.2	5.06	92.67	1,752.9	-0.5	11.2	11.2	2.00	2.00	0.00
1,800.0	5.06	92.67	1,799.5	-0.7	15.3	15.3	0.00	0.00	0.00
1,900.0	5.06	92.67	1,899.1	-1.1	24.1	24.1	0.00	0.00	0.00
2,000.0	5.06	92.67	1,998.7	-1.5	32.9	32.9	0.00	0.00	0.00
2,100.0	5.06	92.67	2,098.3	-1.9	41.8	41.7	0.00	0.00	0.00
2,200.0	5.06	92.67	2,197.9	-2.4	50.6	50.5	0.00	0.00	0.00
2,300.0	5.06	92.67	2,297.5	-2.8	59.4	59.3	0.00	0.00	0.00
2,400.0	5.06	92.67	2,397.1	-3.2	68.2	68.2	0.00	0.00	0.00
2,500.0	5.06	92.67	2,496.8	-3.6	77.0	77.0	0.00	0.00	0.00
2,600.0	5.06	92.67	2,596.4	-4.0	85.8	85.8	0.00	0.00	0.00
2,700.0	5.06	92.67	2,696.0	-4.4	94.7	94.6	0.00	0.00	0.00
2,800.0	5.06	92.67	2,795.6	-4.8	103.5	103.4	0.00	0.00	0.00
2,900.0	5.06	92.67	2,895.2	-5.2	112.3	112.2	0.00	0.00	0.00
3,000.0	5.06	92.67	2,994.8	-5.6	121.1	121.0	0.00	0.00	0.00
3,100.0	5.06	92.67	3,094.4	-6.1	129.9	129.8	0.00	0.00	0.00
3,200.0	5.06	92.67	3,194.0	-6.5	138.8	138.7	0.00	0.00	0.00
3,300.0	5.06	92.67	3,293.6	-6.9	147.6	147.5	0.00	0.00	0.00
3,400.0	5.06	92.67	3,393.2	-7.3	156.4	156.3	0.00	0.00	0.00
3,500.0	5.06	92.67	3,492.8	-7.7	165.2	165.1	0.00	0.00	0.00
3,600.0	5.06	92.67	3,592.5	-8.1	174.0	173.9	0.00	0.00	0.00
3,700.0	5.06	92.67	3,692.1	-8.5	182.9	182.7	0.00	0.00	0.00
3,800.0	5.06	92.67	3,791.7	-8.9	191.7	191.5	0.00	0.00	0.00
3,900.0	5.06	92.67	3,891.3	-9.4	200.5	200.3	0.00	0.00	0.00
4,000.0	5.06	92.67	3,990.9	-9.8	209.3	209.2	0.00	0.00	0.00
4,100.0	5.06	92.67	4,090.5	-10.2	218.1	218.0	0.00	0.00	0.00
4,200.0	5.06	92.67	4,190.1	-10.6	226.9	226.8	0.00	0.00	0.00
4,300.0	5.06	92.67	4,289.7	-11.0	235.8	235.6	0.00	0.00	0.00
4,400.0	5.06	92.67	4,389.3	-11.4	244.6	244.4	0.00	0.00	0.00
4,500.0	5.06	92.67	4,488.9	-11.8	253.4	253.2	0.00	0.00	0.00
4,600.0	5.06	92.67	4,588.6	-12.2	262.2	262.0	0.00	0.00	0.00
4,700.0	5.06	92.67	4,688.2	-12.6	271.0	270.8	0.00	0.00	0.00
4,800.0	5.06	92.67	4,787.8	-13.1	279.9	279.7	0.00	0.00	0.00
4,900.0	5.06	92.67	4,887.4	-13.5	288.7	288.5	0.00	0.00	0.00
5,000.0	5.06	92.67	4,987.0	-13.9	297.5	297.3	0.00	0.00	0.00
5,100.0	5.06	92.67	5,086.6	-14.3	306.3	306.1	0.00	0.00	0.00
5,200.0	5.06	92.67	5,186.2	-14.7	315.1	314.9	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4948.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4948.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST 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	5.06	92.67	5,285.8	-15.1	324.0	323.7	0.00	0.00	0.00
5,400.0	5.06	92.67	5,385.4	-15.5	332.8	332.5	0.00	0.00	0.00
5,500.0	5.06	92.67	5,485.0	-15.9	341.6	341.3	0.00	0.00	0.00
5,600.0	5.06	92.67	5,584.7	-16.3	350.4	350.1	0.00	0.00	0.00
5,700.0	5.06	92.67	5,684.3	-16.8	359.2	359.0	0.00	0.00	0.00
5,800.0	5.06	92.67	5,783.9	-17.2	368.0	367.8	0.00	0.00	0.00
5,900.0	5.06	92.67	5,883.5	-17.6	376.9	376.6	0.00	0.00	0.00
6,000.0	5.06	92.67	5,983.1	-18.0	385.7	385.4	0.00	0.00	0.00
6,100.0	5.06	92.67	6,082.7	-18.4	394.5	394.2	0.00	0.00	0.00
6,200.0	5.06	92.67	6,182.3	-18.8	403.3	403.0	0.00	0.00	0.00
6,300.0	5.06	92.67	6,281.9	-19.2	412.1	411.8	0.00	0.00	0.00
6,400.0	5.06	92.67	6,381.5	-19.6	421.0	420.6	0.00	0.00	0.00
6,500.0	5.06	92.67	6,481.1	-20.0	429.8	429.5	0.00	0.00	0.00
6,600.0	5.06	92.67	6,580.7	-20.5	438.6	438.3	0.00	0.00	0.00
6,700.0	5.06	92.67	6,680.4	-20.9	447.4	447.1	0.00	0.00	0.00
6,795.5	5.06	92.67	6,775.5	-21.3	455.8	455.5	0.00	0.00	0.00
6,800.0	5.51	92.37	6,780.0	-21.3	456.3	455.9	10.00	9.98	-6.71
6,900.0	15.50	90.17	6,878.2	-21.5	474.5	474.1	10.00	9.99	-2.21
7,000.0	25.50	89.67	6,971.7	-21.4	509.4	509.1	10.00	10.00	-0.49
7,100.0	35.50	89.45	7,057.8	-21.0	560.1	559.8	10.00	10.00	-0.23
7,200.0	45.50	89.31	7,133.7	-20.3	625.0	624.6	10.00	10.00	-0.14
7,300.0	55.50	89.22	7,197.2	-19.3	702.0	701.7	10.00	10.00	-0.10
7,400.0	65.50	89.14	7,246.4	-18.1	789.0	788.6	10.00	10.00	-0.08
7,500.0	75.50	89.08	7,279.7	-16.6	883.1	882.8	10.00	10.00	-0.06
7,600.0	85.50	89.02	7,296.2	-15.0	981.6	981.3	10.00	10.00	-0.06
7,645.4	90.04	88.99	7,298.0	-14.2	1,026.9	1,026.6	10.00	10.00	-0.06
COT EAST O-30-29HN LP									
7,700.0	90.04	88.99	7,298.0	-13.2	1,081.5	1,081.2	0.00	0.00	0.00
7,800.0	90.04	88.99	7,297.9	-11.5	1,181.5	1,181.2	0.00	0.00	0.00
7,900.0	90.04	88.99	7,297.8	-9.7	1,281.5	1,281.2	0.00	0.00	0.00
8,000.0	90.04	88.99	7,297.8	-7.9	1,381.5	1,381.2	0.00	0.00	0.00
8,100.0	90.04	88.99	7,297.7	-6.2	1,481.5	1,481.2	0.00	0.00	0.00
8,200.0	90.04	88.99	7,297.6	-4.4	1,581.4	1,581.2	0.00	0.00	0.00
8,300.0	90.04	88.99	7,297.6	-2.7	1,681.4	1,681.2	0.00	0.00	0.00
8,400.0	90.04	88.99	7,297.5	-0.9	1,781.4	1,781.2	0.00	0.00	0.00
8,500.0	90.04	88.99	7,297.4	0.9	1,881.4	1,881.2	0.00	0.00	0.00
8,600.0	90.04	88.99	7,297.4	2.6	1,981.4	1,981.2	0.00	0.00	0.00
8,700.0	90.04	88.99	7,297.3	4.4	2,081.4	2,081.2	0.00	0.00	0.00
8,800.0	90.04	88.99	7,297.2	6.1	2,181.4	2,181.2	0.00	0.00	0.00
8,900.0	90.04	88.99	7,297.2	7.9	2,281.3	2,281.2	0.00	0.00	0.00
9,000.0	90.04	88.99	7,297.1	9.7	2,381.3	2,381.2	0.00	0.00	0.00
9,100.0	90.04	88.99	7,297.1	11.4	2,481.3	2,481.2	0.00	0.00	0.00
9,200.0	90.04	88.99	7,297.0	13.2	2,581.3	2,581.2	0.00	0.00	0.00
9,300.0	90.04	88.99	7,296.9	14.9	2,681.3	2,681.2	0.00	0.00	0.00
9,400.0	90.04	88.99	7,296.9	16.7	2,781.3	2,781.2	0.00	0.00	0.00
9,500.0	90.04	88.99	7,296.8	18.5	2,881.2	2,881.2	0.00	0.00	0.00
9,600.0	90.04	88.99	7,296.7	20.2	2,981.2	2,981.2	0.00	0.00	0.00
9,700.0	90.04	88.99	7,296.7	22.0	3,081.2	3,081.2	0.00	0.00	0.00
9,800.0	90.04	88.99	7,296.6	23.7	3,181.2	3,181.2	0.00	0.00	0.00
9,900.0	90.04	88.99	7,296.5	25.5	3,281.2	3,281.2	0.00	0.00	0.00
10,000.0	90.04	88.99	7,296.5	27.3	3,381.2	3,381.2	0.00	0.00	0.00
10,100.0	90.04	88.99	7,296.4	29.0	3,481.2	3,481.2	0.00	0.00	0.00
10,200.0	90.04	88.99	7,296.3	30.8	3,581.1	3,581.2	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4948.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4948.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST 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	32.5	3,681.1	3,681.2	0.00	0.00	0.00
10,400.0	90.04	88.99	7,296.2	34.3	3,781.1	3,781.2	0.00	0.00	0.00
10,500.0	90.04	88.99	7,296.1	36.1	3,881.1	3,881.2	0.00	0.00	0.00
10,600.0	90.04	88.99	7,296.1	37.8	3,981.1	3,981.2	0.00	0.00	0.00
10,700.0	90.04	88.99	7,296.0	39.6	4,081.1	4,081.2	0.00	0.00	0.00
10,800.0	90.04	88.99	7,295.9	41.3	4,181.0	4,181.2	0.00	0.00	0.00
10,900.0	90.04	88.99	7,295.9	43.1	4,281.0	4,281.2	0.00	0.00	0.00
11,000.0	90.04	88.99	7,295.8	44.9	4,381.0	4,381.2	0.00	0.00	0.00
11,100.0	90.04	88.99	7,295.7	46.6	4,481.0	4,481.2	0.00	0.00	0.00
11,200.0	90.04	88.99	7,295.7	48.4	4,581.0	4,581.2	0.00	0.00	0.00
11,300.0	90.04	88.99	7,295.6	50.1	4,681.0	4,681.2	0.00	0.00	0.00
11,400.0	90.04	88.99	7,295.5	51.9	4,780.9	4,781.2	0.00	0.00	0.00
11,500.0	90.04	88.99	7,295.5	53.7	4,880.9	4,881.2	0.00	0.00	0.00
11,600.0	90.04	88.99	7,295.4	55.4	4,980.9	4,981.2	0.00	0.00	0.00
11,700.0	90.04	88.99	7,295.4	57.2	5,080.9	5,081.2	0.00	0.00	0.00
11,800.0	90.04	88.99	7,295.3	58.9	5,180.9	5,181.2	0.00	0.00	0.00
11,900.0	90.04	88.99	7,295.2	60.7	5,280.9	5,281.2	0.00	0.00	0.00
12,000.0	90.04	88.99	7,295.2	62.5	5,380.9	5,381.2	0.00	0.00	0.00
12,100.0	90.04	88.99	7,295.1	64.2	5,480.8	5,481.2	0.00	0.00	0.00
12,200.0	90.04	88.99	7,295.0	66.0	5,580.8	5,581.2	0.00	0.00	0.00
12,300.0	90.04	88.99	7,295.0	67.7	5,680.8	5,681.2	0.00	0.00	0.00
12,400.0	90.04	88.99	7,294.9	69.5	5,780.8	5,781.2	0.00	0.00	0.00
12,500.0	90.04	88.99	7,294.8	71.3	5,880.8	5,881.2	0.00	0.00	0.00
12,600.0	90.04	88.99	7,294.8	73.0	5,980.8	5,981.2	0.00	0.00	0.00
12,700.0	90.04	88.99	7,294.7	74.8	6,080.7	6,081.2	0.00	0.00	0.00
12,800.0	90.04	88.99	7,294.6	76.5	6,180.7	6,181.2	0.00	0.00	0.00
12,900.0	90.04	88.99	7,294.6	78.3	6,280.7	6,281.2	0.00	0.00	0.00
13,000.0	90.04	88.99	7,294.5	80.0	6,380.7	6,381.2	0.00	0.00	0.00
13,100.0	90.04	88.99	7,294.4	81.8	6,480.7	6,481.2	0.00	0.00	0.00
13,200.0	90.04	88.99	7,294.4	83.6	6,580.7	6,581.2	0.00	0.00	0.00
13,300.0	90.04	88.99	7,294.3	85.3	6,680.7	6,681.2	0.00	0.00	0.00
13,400.0	90.04	88.99	7,294.2	87.1	6,780.6	6,781.2	0.00	0.00	0.00
13,500.0	90.04	88.99	7,294.2	88.8	6,880.6	6,881.2	0.00	0.00	0.00
13,600.0	90.04	88.99	7,294.1	90.6	6,980.6	6,981.2	0.00	0.00	0.00
13,700.0	90.04	88.99	7,294.0	92.4	7,080.6	7,081.2	0.00	0.00	0.00
13,800.0	90.04	88.99	7,294.0	94.1	7,180.6	7,181.2	0.00	0.00	0.00
13,900.0	90.04	88.99	7,293.9	95.9	7,280.6	7,281.2	0.00	0.00	0.00
14,000.0	90.04	88.99	7,293.9	97.6	7,380.5	7,381.2	0.00	0.00	0.00
14,100.0	90.04	88.99	7,293.8	99.4	7,480.5	7,481.2	0.00	0.00	0.00
14,200.0	90.04	88.99	7,293.7	101.2	7,580.5	7,581.2	0.00	0.00	0.00
14,300.0	90.04	88.99	7,293.7	102.9	7,680.5	7,681.2	0.00	0.00	0.00
14,400.0	90.04	88.99	7,293.6	104.7	7,780.5	7,781.2	0.00	0.00	0.00
14,500.0	90.04	88.99	7,293.5	106.4	7,880.5	7,881.2	0.00	0.00	0.00
14,600.0	90.04	88.99	7,293.5	108.2	7,980.5	7,981.2	0.00	0.00	0.00
14,700.0	90.04	88.99	7,293.4	110.0	8,080.4	8,081.2	0.00	0.00	0.00
14,800.0	90.04	88.99	7,293.3	111.7	8,180.4	8,181.2	0.00	0.00	0.00
14,900.0	90.04	88.99	7,293.3	113.5	8,280.4	8,281.2	0.00	0.00	0.00
15,000.0	90.04	88.99	7,293.2	115.2	8,380.4	8,381.2	0.00	0.00	0.00
15,100.0	90.04	88.99	7,293.1	117.0	8,480.4	8,481.2	0.00	0.00	0.00
15,200.0	90.04	88.99	7,293.1	118.8	8,580.4	8,581.2	0.00	0.00	0.00
15,300.0	90.04	88.99	7,293.0	120.5	8,680.3	8,681.2	0.00	0.00	0.00
15,307.9	90.04	88.99	7,293.0	120.7	8,688.2	8,689.1	0.00	0.00	0.00
COT EAST O-30-29HN PBHL									



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST O-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4948.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4948.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST 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 EAST O-30-29HN I	0.00	0.00	7,293.0	120.7	8,688.2	1,441,950.02	3,196,333.84	40° 32' 39.862 N	104° 47' 36.762 W
- plan hits target center									
- Point									
COT EAST O-30-29HN I	0.00	0.00	7,298.0	-14.2	1,026.9	1,441,756.84	3,188,673.76	40° 32' 38.544 N	104° 49' 16.003 W
- plan hits target center									
- Point									