



BAYSWATER

Bayswater Exploration & Production, LLC

DJ Basin

COT 30-J Pad

COT EAST P-30-29HN

Wellbore #1

Plan: Design #1

Standard Planning Report

12 January, 2019

Pad Name: COT 30-J Pad
 Well Name: COT EAST P-30-29HN
 Ground Level: 4947.0
 SHL Latitude: 40° 32' 38.533 N
 SHL Longitude: 104° 49' 29.309 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	1799.8	6.00	124.61	1799.2	-8.9	12.9	2.00	124.61	13.1	
4	6877.0	6.00	124.61	6848.7	-310.1	449.3	0.00	0.00	456.3	
5	7729.8	90.15	89.00	7372.0	-332.2	1022.2	10.00	-35.74	1029.6	COT EAST P-30-29HN LP
6	15385.5	90.15	89.00	7352.0	-199.2	8676.7	0.00	0.00	8679.0	COT EAST P-30-29HN PBHL

DESIGN TARGET DETAILS

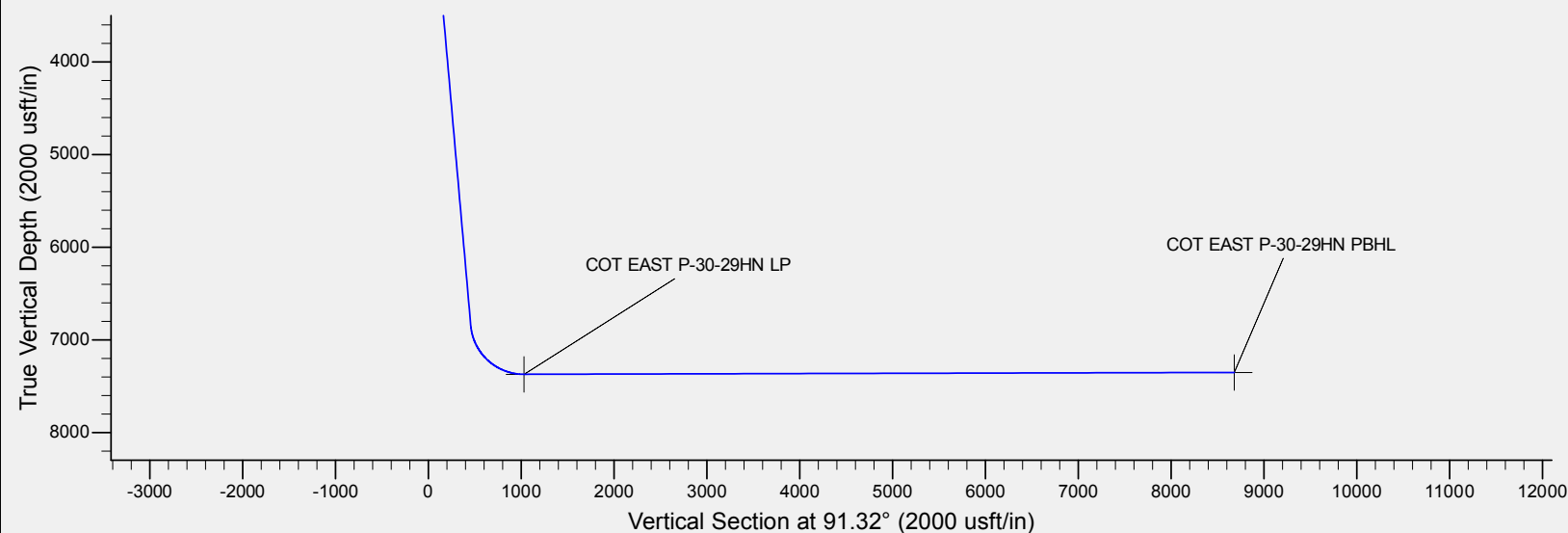
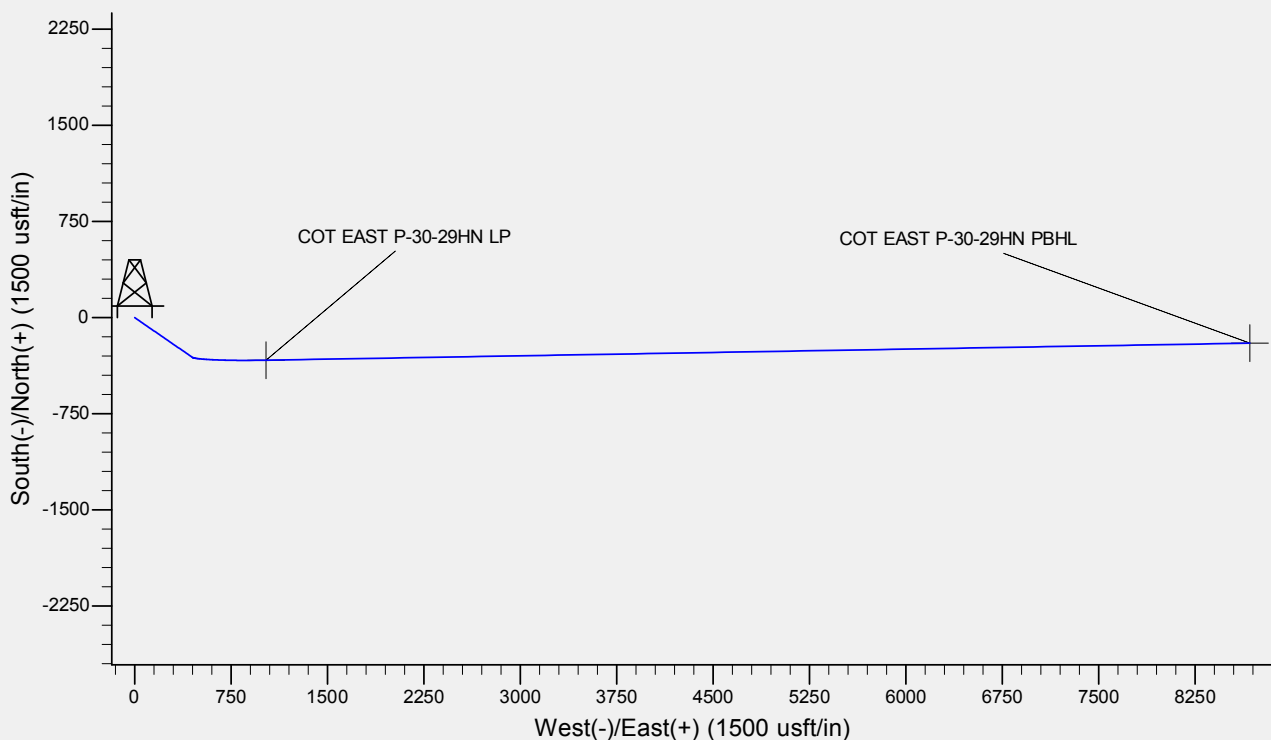
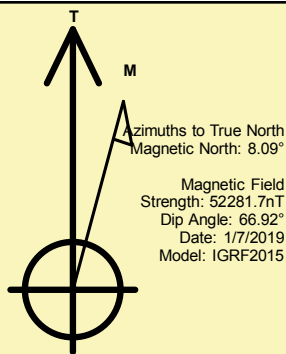
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
COT EAST P-30-29HN LP	7372.0	-332.2	1022.2	1441423.47	3188671.31	40° 32' 35.250 N	104° 49' 16.068 W	Point
COT EAST P-30-29HN PBHL	- plan hits target center 7352.0	-199.2	8676.7	1441614.77	3196324.56	40° 32' 36.550 N	104° 47' 36.917 W	Point
	- plan hits target center							

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well COT EAST P-30-29HN, True North
 Vertical (TVD) Reference: WELL @ 4947.0usft (Original Well Elev)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: WELL @ 4947.0usft (Original Well Elev)
 Calculation Method: Minimum Curvature

CASING DETAILS

No casing data is available





Database:	EDM	Local Co-ordinate Reference:	Well COT EAST P-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4947.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4947.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST P-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 P-30-29HN					
Well Position	+N/-S	-60.5 usft	Northing:	1,441,747.90 usft	Latitude:	40° 32' 38.533 N
	+E/-W	49.5 usft	Easting:	3,187,646.61 usft	Longitude:	104° 49' 29.309 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	4,947.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/7/2019	8.09	66.92	52,281.71670564

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	91.32

Plan Survey Tool Program	Date	1/7/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,385.4	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	
1,799.8	6.00	124.61	1,799.2	-8.9	12.9	2.00	2.00	0.00	124.61	
6,877.0	6.00	124.61	6,848.7	-310.1	449.3	0.00	0.00	0.00	0.00	
7,729.8	90.15	89.00	7,372.0	-332.2	1,022.2	10.00	9.87	-4.18	-35.74	COT EAST P-30-29H
15,385.4	90.15	89.00	7,352.0	-199.2	8,676.7	0.00	0.00	0.00	0.00	COT EAST P-30-29H



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST P-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4947.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4947.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST P-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	124.61	1,600.0	-1.0	1.4	1.5	2.00	2.00	0.00
1,700.0	4.00	124.61	1,699.8	-4.0	5.7	5.8	2.00	2.00	0.00
1,799.8	6.00	124.61	1,799.2	-8.9	12.9	13.1	2.00	2.00	0.00
1,800.0	6.00	124.61	1,799.5	-8.9	12.9	13.1	0.00	0.00	0.00
1,900.0	6.00	124.61	1,898.9	-14.8	21.5	21.8	0.00	0.00	0.00
2,000.0	6.00	124.61	1,998.4	-20.8	30.1	30.6	0.00	0.00	0.00
2,100.0	6.00	124.61	2,097.8	-26.7	38.7	39.3	0.00	0.00	0.00
2,200.0	6.00	124.61	2,197.3	-32.6	47.3	48.0	0.00	0.00	0.00
2,300.0	6.00	124.61	2,296.7	-38.6	55.9	56.8	0.00	0.00	0.00
2,400.0	6.00	124.61	2,396.2	-44.5	64.5	65.5	0.00	0.00	0.00
2,500.0	6.00	124.61	2,495.6	-50.4	73.1	74.2	0.00	0.00	0.00
2,600.0	6.00	124.61	2,595.1	-56.4	81.7	83.0	0.00	0.00	0.00
2,700.0	6.00	124.61	2,694.5	-62.3	90.3	91.7	0.00	0.00	0.00
2,800.0	6.00	124.61	2,794.0	-68.2	98.9	100.4	0.00	0.00	0.00
2,900.0	6.00	124.61	2,893.4	-74.2	107.5	109.1	0.00	0.00	0.00
3,000.0	6.00	124.61	2,992.9	-80.1	116.1	117.9	0.00	0.00	0.00
3,100.0	6.00	124.61	3,092.3	-86.0	124.7	126.6	0.00	0.00	0.00
3,200.0	6.00	124.61	3,191.8	-92.0	133.3	135.3	0.00	0.00	0.00
3,300.0	6.00	124.61	3,291.2	-97.9	141.9	144.1	0.00	0.00	0.00
3,400.0	6.00	124.61	3,390.7	-103.8	150.5	152.8	0.00	0.00	0.00
3,500.0	6.00	124.61	3,490.2	-109.8	159.1	161.5	0.00	0.00	0.00
3,600.0	6.00	124.61	3,589.6	-115.7	167.6	170.3	0.00	0.00	0.00
3,700.0	6.00	124.61	3,689.1	-121.6	176.2	179.0	0.00	0.00	0.00
3,800.0	6.00	124.61	3,788.5	-127.6	184.8	187.7	0.00	0.00	0.00
3,900.0	6.00	124.61	3,888.0	-133.5	193.4	196.4	0.00	0.00	0.00
4,000.0	6.00	124.61	3,987.4	-139.4	202.0	205.2	0.00	0.00	0.00
4,100.0	6.00	124.61	4,086.9	-145.4	210.6	213.9	0.00	0.00	0.00
4,200.0	6.00	124.61	4,186.3	-151.3	219.2	222.6	0.00	0.00	0.00
4,300.0	6.00	124.61	4,285.8	-157.2	227.8	231.4	0.00	0.00	0.00
4,400.0	6.00	124.61	4,385.2	-163.2	236.4	240.1	0.00	0.00	0.00
4,500.0	6.00	124.61	4,484.7	-169.1	245.0	248.8	0.00	0.00	0.00
4,600.0	6.00	124.61	4,584.1	-175.0	253.6	257.6	0.00	0.00	0.00
4,700.0	6.00	124.61	4,683.6	-180.9	262.2	266.3	0.00	0.00	0.00
4,800.0	6.00	124.61	4,783.0	-186.9	270.8	275.0	0.00	0.00	0.00
4,900.0	6.00	124.61	4,882.5	-192.8	279.4	283.8	0.00	0.00	0.00
5,000.0	6.00	124.61	4,982.0	-198.7	288.0	292.5	0.00	0.00	0.00
5,100.0	6.00	124.61	5,081.4	-204.7	296.6	301.2	0.00	0.00	0.00
5,200.0	6.00	124.61	5,180.9	-210.6	305.2	309.9	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST P-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4947.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4947.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST P-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	6.00	124.61	5,280.3	-216.5	313.8	318.7	0.00	0.00	0.00
5,400.0	6.00	124.61	5,379.8	-222.5	322.4	327.4	0.00	0.00	0.00
5,500.0	6.00	124.61	5,479.2	-228.4	331.0	336.1	0.00	0.00	0.00
5,600.0	6.00	124.61	5,578.7	-234.3	339.6	344.9	0.00	0.00	0.00
5,700.0	6.00	124.61	5,678.1	-240.3	348.2	353.6	0.00	0.00	0.00
5,800.0	6.00	124.61	5,777.6	-246.2	356.8	362.3	0.00	0.00	0.00
5,900.0	6.00	124.61	5,877.0	-252.1	365.4	371.1	0.00	0.00	0.00
6,000.0	6.00	124.61	5,976.5	-258.1	374.0	379.8	0.00	0.00	0.00
6,100.0	6.00	124.61	6,075.9	-264.0	382.6	388.5	0.00	0.00	0.00
6,200.0	6.00	124.61	6,175.4	-269.9	391.1	397.2	0.00	0.00	0.00
6,300.0	6.00	124.61	6,274.8	-275.9	399.7	406.0	0.00	0.00	0.00
6,400.0	6.00	124.61	6,374.3	-281.8	408.3	414.7	0.00	0.00	0.00
6,500.0	6.00	124.61	6,473.7	-287.7	416.9	423.4	0.00	0.00	0.00
6,600.0	6.00	124.61	6,573.2	-293.7	425.5	432.2	0.00	0.00	0.00
6,700.0	6.00	124.61	6,672.7	-299.6	434.1	440.9	0.00	0.00	0.00
6,800.0	6.00	124.61	6,772.1	-305.5	442.7	449.6	0.00	0.00	0.00
6,877.0	6.00	124.61	6,848.7	-310.1	449.3	456.3	0.00	0.00	0.00
6,900.0	7.98	114.88	6,871.5	-311.4	451.8	458.8	10.00	8.61	-42.29
7,000.0	17.51	100.18	6,969.0	-317.0	472.9	480.1	10.00	9.54	-14.70
7,100.0	27.38	95.79	7,061.3	-322.0	510.7	518.0	10.00	9.87	-4.39
7,200.0	37.31	93.61	7,145.7	-326.3	564.0	571.3	10.00	9.93	-2.18
7,300.0	47.27	92.25	7,219.5	-329.6	631.1	638.5	10.00	9.96	-1.36
7,400.0	57.24	91.27	7,280.7	-332.0	710.0	717.5	10.00	9.97	-0.98
7,500.0	67.22	90.48	7,327.2	-333.3	798.4	805.8	10.00	9.98	-0.78
7,600.0	77.20	89.81	7,357.7	-333.6	893.5	900.9	10.00	9.98	-0.68
7,700.0	87.18	89.19	7,371.3	-332.7	992.4	999.8	10.00	9.98	-0.62
7,729.8	90.15	89.00	7,372.0	-332.2	1,022.2	1,029.6	10.00	9.98	-0.61
COT EAST P-30-29HN LP									
7,800.0	90.15	89.00	7,371.8	-331.0	1,092.4	1,099.7	0.00	0.00	0.00
7,900.0	90.15	89.00	7,371.6	-329.3	1,192.4	1,199.6	0.00	0.00	0.00
8,000.0	90.15	89.00	7,371.3	-327.5	1,292.4	1,299.6	0.00	0.00	0.00
8,100.0	90.15	89.00	7,371.0	-325.8	1,392.4	1,399.5	0.00	0.00	0.00
8,200.0	90.15	89.00	7,370.8	-324.1	1,492.3	1,499.4	0.00	0.00	0.00
8,300.0	90.15	89.00	7,370.5	-322.3	1,592.3	1,599.3	0.00	0.00	0.00
8,400.0	90.15	89.00	7,370.2	-320.6	1,692.3	1,699.2	0.00	0.00	0.00
8,500.0	90.15	89.00	7,370.0	-318.8	1,792.3	1,799.1	0.00	0.00	0.00
8,600.0	90.15	89.00	7,369.7	-317.1	1,892.3	1,899.1	0.00	0.00	0.00
8,700.0	90.15	89.00	7,369.5	-315.4	1,992.3	1,999.0	0.00	0.00	0.00
8,800.0	90.15	89.00	7,369.2	-313.6	2,092.3	2,098.9	0.00	0.00	0.00
8,900.0	90.15	89.00	7,368.9	-311.9	2,192.2	2,198.8	0.00	0.00	0.00
9,000.0	90.15	89.00	7,368.7	-310.2	2,292.2	2,298.7	0.00	0.00	0.00
9,100.0	90.15	89.00	7,368.4	-308.4	2,392.2	2,398.7	0.00	0.00	0.00
9,200.0	90.15	89.00	7,368.2	-306.7	2,492.2	2,498.6	0.00	0.00	0.00
9,300.0	90.15	89.00	7,367.9	-304.9	2,592.2	2,598.5	0.00	0.00	0.00
9,400.0	90.15	89.00	7,367.6	-303.2	2,692.2	2,698.4	0.00	0.00	0.00
9,500.0	90.15	89.00	7,367.4	-301.5	2,792.1	2,798.3	0.00	0.00	0.00
9,600.0	90.15	89.00	7,367.1	-299.7	2,892.1	2,898.2	0.00	0.00	0.00
9,700.0	90.15	89.00	7,366.9	-298.0	2,992.1	2,998.2	0.00	0.00	0.00
9,800.0	90.15	89.00	7,366.6	-296.2	3,092.1	3,098.1	0.00	0.00	0.00
9,900.0	90.15	89.00	7,366.3	-294.5	3,192.1	3,198.0	0.00	0.00	0.00
10,000.0	90.15	89.00	7,366.1	-292.8	3,292.1	3,297.9	0.00	0.00	0.00
10,100.0	90.15	89.00	7,365.8	-291.0	3,392.1	3,397.8	0.00	0.00	0.00
10,200.0	90.15	89.00	7,365.5	-289.3	3,492.0	3,497.8	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST P-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4947.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4947.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST P-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	90.15	89.00	7,365.3	-287.6	3,592.0	3,597.7	0.00	0.00	0.00
10,400.0	90.15	89.00	7,365.0	-285.8	3,692.0	3,697.6	0.00	0.00	0.00
10,500.0	90.15	89.00	7,364.8	-284.1	3,792.0	3,797.5	0.00	0.00	0.00
10,600.0	90.15	89.00	7,364.5	-282.3	3,892.0	3,897.4	0.00	0.00	0.00
10,700.0	90.15	89.00	7,364.2	-280.6	3,992.0	3,997.4	0.00	0.00	0.00
10,800.0	90.15	89.00	7,364.0	-278.9	4,091.9	4,097.3	0.00	0.00	0.00
10,900.0	90.15	89.00	7,363.7	-277.1	4,191.9	4,197.2	0.00	0.00	0.00
11,000.0	90.15	89.00	7,363.5	-275.4	4,291.9	4,297.1	0.00	0.00	0.00
11,100.0	90.15	89.00	7,363.2	-273.7	4,391.9	4,397.0	0.00	0.00	0.00
11,200.0	90.15	89.00	7,362.9	-271.9	4,491.9	4,496.9	0.00	0.00	0.00
11,300.0	90.15	89.00	7,362.7	-270.2	4,591.9	4,596.9	0.00	0.00	0.00
11,400.0	90.15	89.00	7,362.4	-268.4	4,691.9	4,696.8	0.00	0.00	0.00
11,500.0	90.15	89.00	7,362.2	-266.7	4,791.8	4,796.7	0.00	0.00	0.00
11,600.0	90.15	89.00	7,361.9	-265.0	4,891.8	4,896.6	0.00	0.00	0.00
11,700.0	90.15	89.00	7,361.6	-263.2	4,991.8	4,996.5	0.00	0.00	0.00
11,800.0	90.15	89.00	7,361.4	-261.5	5,091.8	5,096.5	0.00	0.00	0.00
11,900.0	90.15	89.00	7,361.1	-259.8	5,191.8	5,196.4	0.00	0.00	0.00
12,000.0	90.15	89.00	7,360.8	-258.0	5,291.8	5,296.3	0.00	0.00	0.00
12,100.0	90.15	89.00	7,360.6	-256.3	5,391.7	5,396.2	0.00	0.00	0.00
12,200.0	90.15	89.00	7,360.3	-254.5	5,491.7	5,496.1	0.00	0.00	0.00
12,300.0	90.15	89.00	7,360.1	-252.8	5,591.7	5,596.0	0.00	0.00	0.00
12,400.0	90.15	89.00	7,359.8	-251.1	5,691.7	5,696.0	0.00	0.00	0.00
12,500.0	90.15	89.00	7,359.5	-249.3	5,791.7	5,795.9	0.00	0.00	0.00
12,600.0	90.15	89.00	7,359.3	-247.6	5,891.7	5,895.8	0.00	0.00	0.00
12,700.0	90.15	89.00	7,359.0	-245.9	5,991.7	5,995.7	0.00	0.00	0.00
12,800.0	90.15	89.00	7,358.8	-244.1	6,091.6	6,095.6	0.00	0.00	0.00
12,900.0	90.15	89.00	7,358.5	-242.4	6,191.6	6,195.6	0.00	0.00	0.00
13,000.0	90.15	89.00	7,358.2	-240.6	6,291.6	6,295.5	0.00	0.00	0.00
13,100.0	90.15	89.00	7,358.0	-238.9	6,391.6	6,395.4	0.00	0.00	0.00
13,200.0	90.15	89.00	7,357.7	-237.2	6,491.6	6,495.3	0.00	0.00	0.00
13,300.0	90.15	89.00	7,357.4	-235.4	6,591.6	6,595.2	0.00	0.00	0.00
13,400.0	90.15	89.00	7,357.2	-233.7	6,691.5	6,695.1	0.00	0.00	0.00
13,500.0	90.15	89.00	7,356.9	-232.0	6,791.5	6,795.1	0.00	0.00	0.00
13,600.0	90.15	89.00	7,356.7	-230.2	6,891.5	6,895.0	0.00	0.00	0.00
13,700.0	90.15	89.00	7,356.4	-228.5	6,991.5	6,994.9	0.00	0.00	0.00
13,800.0	90.15	89.00	7,356.1	-226.7	7,091.5	7,094.8	0.00	0.00	0.00
13,900.0	90.15	89.00	7,355.9	-225.0	7,191.5	7,194.7	0.00	0.00	0.00
14,000.0	90.15	89.00	7,355.6	-223.3	7,291.5	7,294.7	0.00	0.00	0.00
14,100.0	90.15	89.00	7,355.4	-221.5	7,391.4	7,394.6	0.00	0.00	0.00
14,200.0	90.15	89.00	7,355.1	-219.8	7,491.4	7,494.5	0.00	0.00	0.00
14,300.0	90.15	89.00	7,354.8	-218.1	7,591.4	7,594.4	0.00	0.00	0.00
14,400.0	90.15	89.00	7,354.6	-216.3	7,691.4	7,694.3	0.00	0.00	0.00
14,500.0	90.15	89.00	7,354.3	-214.6	7,791.4	7,794.2	0.00	0.00	0.00
14,600.0	90.15	89.00	7,354.1	-212.8	7,891.4	7,894.2	0.00	0.00	0.00
14,700.0	90.15	89.00	7,353.8	-211.1	7,991.3	7,994.1	0.00	0.00	0.00
14,800.0	90.15	89.00	7,353.5	-209.4	8,091.3	8,094.0	0.00	0.00	0.00
14,900.0	90.15	89.00	7,353.3	-207.6	8,191.3	8,193.9	0.00	0.00	0.00
15,000.0	90.15	89.00	7,353.0	-205.9	8,291.3	8,293.8	0.00	0.00	0.00
15,100.0	90.15	89.00	7,352.7	-204.2	8,391.3	8,393.8	0.00	0.00	0.00
15,200.0	90.15	89.00	7,352.5	-202.4	8,491.3	8,493.7	0.00	0.00	0.00
15,300.0	90.15	89.00	7,352.2	-200.7	8,591.3	8,593.6	0.00	0.00	0.00
15,385.4	90.15	89.00	7,352.0	-199.2	8,676.7	8,679.0	0.00	0.00	0.00
COT EAST P-30-29HN PBHL									



Database:	EDM	Local Co-ordinate Reference:	Well COT EAST P-30-29HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4947.0usft (Original Well Elev)
Project:	DJ Basin	MD Reference:	WELL @ 4947.0usft (Original Well Elev)
Site:	COT 30-J Pad	North Reference:	True
Well:	COT EAST P-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 P-30-29HN I	0.00	0.00	7,352.0	-199.2	8,676.7	1,441,614.77	3,196,324.56	40° 32' 36.550 N	104° 47' 36.917 W
- plan hits target center									
- Point									
COT EAST P-30-29HN I	0.00	0.00	7,372.0	-332.2	1,022.2	1,441,423.47	3,188,671.31	40° 32' 35.250 N	104° 49' 16.068 W
- plan hits target center									
- Point									