



BAYSWATER

Bayswater Exploration & Production, LLC

DJ Basin

COT 30-J Pad

COT WEST TA-30-25HN

Wellbore #1

Plan: Design #1

Standard Planning Report

17 January, 2019



Pad Name: COT 30-J Pad
Well Name: COT WEST TA-30-25HN
Ground Level: 4946.0
SHL Latitude: 40° 32' 37.799 N
SHL Longitude: 104° 49' 29.964 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	2539.0	20.78	119.41	2516.3	-91.5	162.3	2.00	119.41	-147.0	
4	6757.8	20.78	119.41	6460.8	-826.4	1466.2	0.00	0.00	-1327.8	
5	7847.3	91.08	269.41	7196.0	-974.5	911.9	10.00	148.09	-757.6	COT WEST TA-30-25HN LP
6	15827.4	91.08	269.41	7046.0	-1057.3	-7066.4	0.00	0.00	7145.1	COT WEST TA-30-25HN PBHL

DESIGN TARGET DETAILS

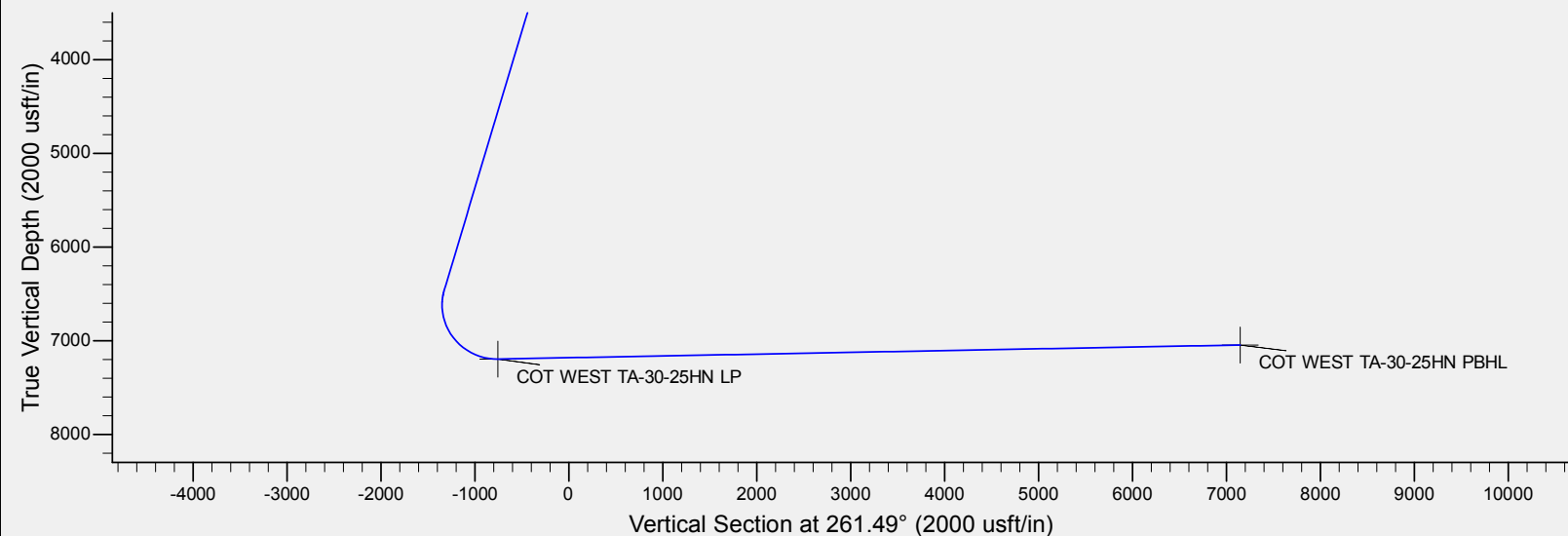
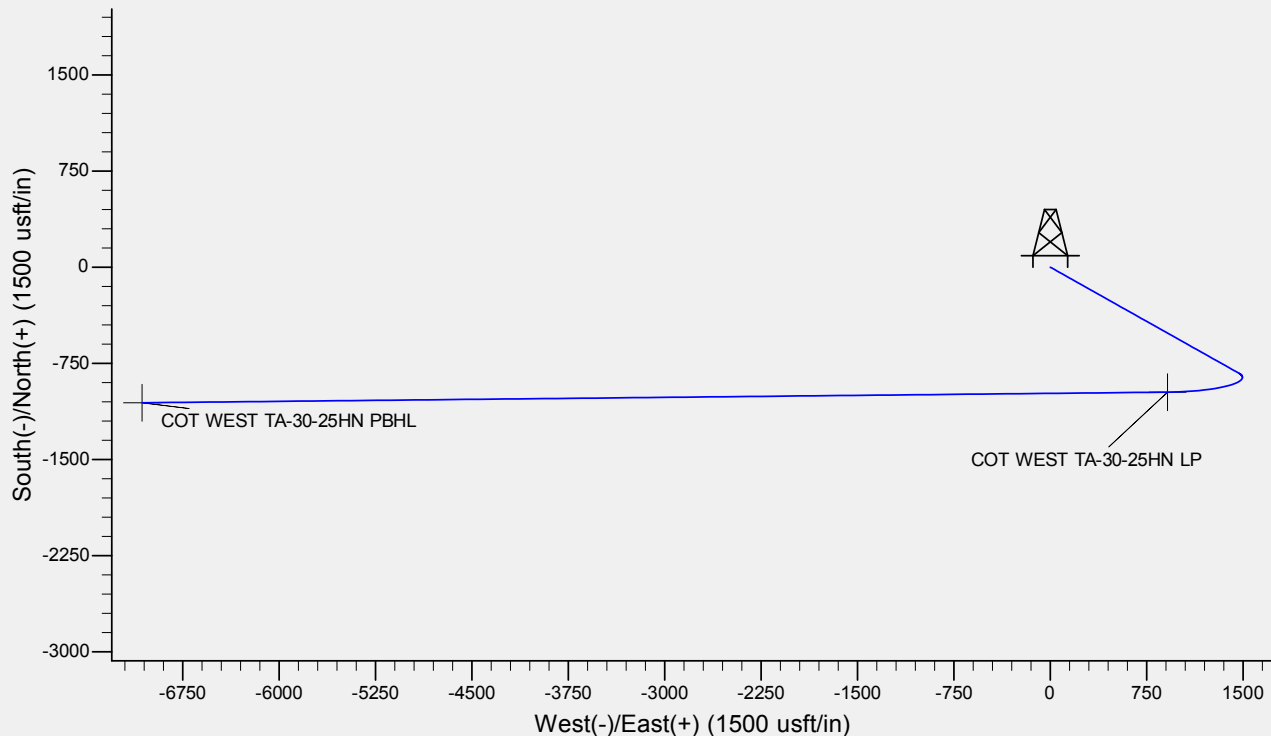
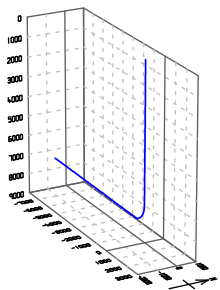
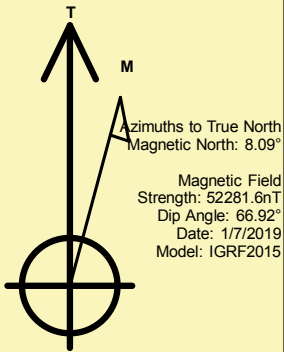
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
COT WEST TA-30-25HN LP	7196.0	-974.5	911.9	1440705.66	3188515.88	40° 32' 28.169 N	104° 49' 18.152 W	Point
COT WEST TA-30-25HN PBHL	- plan hits target center 7046.0	-1057.3	-7066.4	1440562.13	3180538.44	40° 32' 27.341 N	104° 51' 1.494 W	Point
	- plan hits target center							

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well COT WEST TA-30-25HN, 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 WEST TA-30-25HN
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 30-J Pad	North Reference:	True
Well:	COT WEST TA-30-25HN	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 WEST TA-30-25HN					
Well Position	+N/-S	-134.8 usft	Northing:	1,441,673.19 usft	Latitude:	40° 32' 37.799 N
	+E/-W	-1.1 usft	Easting:	3,187,596.60 usft	Longitude:	104° 49' 29.964 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	1/7/2019	8.09	66.92	52,281.60059334

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	261.49

Plan Survey Tool Program	Date	1/7/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,827.4	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	
2,539.0	20.78	119.41	2,516.3	-91.5	162.3	2.00	2.00	0.00	119.41	
6,757.8	20.78	119.41	6,460.8	-826.4	1,466.2	0.00	0.00	0.00	0.00	
7,847.3	91.08	269.41	7,196.0	-974.5	911.9	10.00	6.45	13.77	148.09	COT WEST TA-30-25
15,827.4	91.08	269.41	7,046.0	-1,057.3	-7,066.4	0.00	0.00	0.00	0.00	COT WEST TA-30-25



Database:	EDM	Local Co-ordinate Reference:	Well COT WEST TA-30-25HN
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 30-J Pad	North Reference:	True
Well:	COT WEST TA-30-25HN	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	119.41	1,600.0	-0.9	1.5	-1.4	2.00	2.00	0.00
1,700.0	4.00	119.41	1,699.8	-3.4	6.1	-5.5	2.00	2.00	0.00
1,800.0	6.00	119.41	1,799.5	-7.7	13.7	-12.4	2.00	2.00	0.00
1,900.0	8.00	119.41	1,898.7	-13.7	24.3	-22.0	2.00	2.00	0.00
2,000.0	10.00	119.41	1,997.5	-21.4	37.9	-34.3	2.00	2.00	0.00
2,100.0	12.00	119.41	2,095.6	-30.7	54.5	-49.4	2.00	2.00	0.00
2,200.0	14.00	119.41	2,193.1	-41.8	74.1	-67.1	2.00	2.00	0.00
2,300.0	16.00	119.41	2,289.6	-54.5	96.7	-87.6	2.00	2.00	0.00
2,400.0	18.00	119.41	2,385.3	-68.8	122.1	-110.6	2.00	2.00	0.00
2,500.0	20.00	119.41	2,479.8	-84.8	150.5	-136.3	2.00	2.00	0.00
2,539.0	20.78	119.41	2,516.3	-91.5	162.3	-147.0	2.00	2.00	0.00
2,600.0	20.78	119.41	2,573.4	-102.1	181.2	-164.1	0.00	0.00	0.00
2,700.0	20.78	119.41	2,666.9	-119.5	212.1	-192.1	0.00	0.00	0.00
2,800.0	20.78	119.41	2,760.4	-137.0	243.0	-220.1	0.00	0.00	0.00
2,900.0	20.78	119.41	2,853.9	-154.4	273.9	-248.1	0.00	0.00	0.00
3,000.0	20.78	119.41	2,947.4	-171.8	304.8	-276.0	0.00	0.00	0.00
3,100.0	20.78	119.41	3,040.9	-189.2	335.7	-304.0	0.00	0.00	0.00
3,200.0	20.78	119.41	3,134.4	-206.6	366.6	-332.0	0.00	0.00	0.00
3,300.0	20.78	119.41	3,227.9	-224.1	397.5	-360.0	0.00	0.00	0.00
3,400.0	20.78	119.41	3,321.4	-241.5	428.4	-388.0	0.00	0.00	0.00
3,500.0	20.78	119.41	3,414.9	-258.9	459.4	-416.0	0.00	0.00	0.00
3,600.0	20.78	119.41	3,508.4	-276.3	490.3	-444.0	0.00	0.00	0.00
3,700.0	20.78	119.41	3,601.9	-293.7	521.2	-472.0	0.00	0.00	0.00
3,800.0	20.78	119.41	3,695.3	-311.2	552.1	-499.9	0.00	0.00	0.00
3,900.0	20.78	119.41	3,788.8	-328.6	583.0	-527.9	0.00	0.00	0.00
4,000.0	20.78	119.41	3,882.3	-346.0	613.9	-555.9	0.00	0.00	0.00
4,100.0	20.78	119.41	3,975.8	-363.4	644.8	-583.9	0.00	0.00	0.00
4,200.0	20.78	119.41	4,069.3	-380.8	675.7	-611.9	0.00	0.00	0.00
4,300.0	20.78	119.41	4,162.8	-398.3	706.6	-639.9	0.00	0.00	0.00
4,400.0	20.78	119.41	4,256.3	-415.7	737.5	-667.9	0.00	0.00	0.00
4,500.0	20.78	119.41	4,349.8	-433.1	768.4	-695.9	0.00	0.00	0.00
4,600.0	20.78	119.41	4,443.3	-450.5	799.3	-723.9	0.00	0.00	0.00
4,700.0	20.78	119.41	4,536.8	-467.9	830.2	-751.8	0.00	0.00	0.00
4,800.0	20.78	119.41	4,630.3	-485.3	861.1	-779.8	0.00	0.00	0.00
4,900.0	20.78	119.41	4,723.8	-502.8	892.0	-807.8	0.00	0.00	0.00
5,000.0	20.78	119.41	4,817.3	-520.2	922.9	-835.8	0.00	0.00	0.00
5,100.0	20.78	119.41	4,910.8	-537.6	953.8	-863.8	0.00	0.00	0.00
5,200.0	20.78	119.41	5,004.3	-555.0	984.8	-891.8	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT WEST TA-30-25HN
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 30-J Pad	North Reference:	True
Well:	COT WEST TA-30-25HN	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	20.78	119.41	5,097.8	-572.4	1,015.7	-919.8	0.00	0.00	0.00
5,400.0	20.78	119.41	5,191.3	-589.9	1,046.6	-947.8	0.00	0.00	0.00
5,500.0	20.78	119.41	5,284.8	-607.3	1,077.5	-975.7	0.00	0.00	0.00
5,600.0	20.78	119.41	5,378.3	-624.7	1,108.4	-1,003.7	0.00	0.00	0.00
5,700.0	20.78	119.41	5,471.8	-642.1	1,139.3	-1,031.7	0.00	0.00	0.00
5,800.0	20.78	119.41	5,565.3	-659.5	1,170.2	-1,059.7	0.00	0.00	0.00
5,900.0	20.78	119.41	5,658.8	-677.0	1,201.1	-1,087.7	0.00	0.00	0.00
6,000.0	20.78	119.41	5,752.2	-694.4	1,232.0	-1,115.7	0.00	0.00	0.00
6,100.0	20.78	119.41	5,845.7	-711.8	1,262.9	-1,143.7	0.00	0.00	0.00
6,200.0	20.78	119.41	5,939.2	-729.2	1,293.8	-1,171.7	0.00	0.00	0.00
6,300.0	20.78	119.41	6,032.7	-746.6	1,324.7	-1,199.6	0.00	0.00	0.00
6,400.0	20.78	119.41	6,126.2	-764.1	1,355.6	-1,227.6	0.00	0.00	0.00
6,500.0	20.78	119.41	6,219.7	-781.5	1,386.5	-1,255.6	0.00	0.00	0.00
6,600.0	20.78	119.41	6,313.2	-798.9	1,417.4	-1,283.6	0.00	0.00	0.00
6,700.0	20.78	119.41	6,406.7	-816.3	1,448.3	-1,311.6	0.00	0.00	0.00
6,757.8	20.78	119.41	6,460.8	-826.4	1,466.2	-1,327.8	0.00	0.00	0.00
6,800.0	17.33	126.91	6,500.6	-833.8	1,477.8	-1,338.1	10.00	-8.16	17.77
6,900.0	11.40	160.49	6,597.6	-852.1	1,493.0	-1,350.5	10.00	-5.94	33.58
7,000.0	12.52	209.95	6,695.7	-870.9	1,490.9	-1,345.6	10.00	1.13	49.46
7,100.0	19.53	236.64	6,791.9	-889.5	1,471.5	-1,323.6	10.00	7.01	26.69
7,200.0	28.35	248.48	6,883.2	-907.5	1,435.3	-1,285.2	10.00	8.82	11.84
7,300.0	37.72	254.91	6,967.0	-924.2	1,383.6	-1,231.6	10.00	9.38	6.44
7,400.0	47.33	259.06	7,040.6	-939.2	1,317.8	-1,164.3	10.00	9.60	4.15
7,500.0	57.04	262.09	7,101.9	-952.0	1,239.9	-1,085.4	10.00	9.71	3.03
7,600.0	66.81	264.51	7,148.9	-962.2	1,152.4	-997.3	10.00	9.77	2.42
7,700.0	76.61	266.60	7,180.2	-969.5	1,057.9	-902.8	10.00	9.80	2.09
7,800.0	86.43	268.52	7,195.0	-973.6	959.2	-804.5	10.00	9.82	1.92
7,847.3	91.08	269.41	7,196.0	-974.5	911.9	-757.6	10.00	9.82	1.88
COT WEST TA-30-25HN LP									
7,900.0	91.08	269.41	7,195.0	-975.0	859.2	-705.5	0.00	0.00	0.00
8,000.0	91.08	269.41	7,193.1	-976.1	759.2	-606.4	0.00	0.00	0.00
8,100.0	91.08	269.41	7,191.3	-977.1	659.3	-507.4	0.00	0.00	0.00
8,200.0	91.08	269.41	7,189.4	-978.2	559.3	-408.4	0.00	0.00	0.00
8,300.0	91.08	269.41	7,187.5	-979.2	459.3	-309.3	0.00	0.00	0.00
8,400.0	91.08	269.41	7,185.6	-980.2	359.3	-210.3	0.00	0.00	0.00
8,500.0	91.08	269.41	7,183.7	-981.3	259.3	-111.3	0.00	0.00	0.00
8,600.0	91.08	269.41	7,181.9	-982.3	159.4	-12.3	0.00	0.00	0.00
8,700.0	91.08	269.41	7,180.0	-983.3	59.4	86.8	0.00	0.00	0.00
8,800.0	91.08	269.41	7,178.1	-984.4	-40.6	185.8	0.00	0.00	0.00
8,900.0	91.08	269.41	7,176.2	-985.4	-140.6	284.8	0.00	0.00	0.00
9,000.0	91.08	269.41	7,174.3	-986.5	-240.5	383.9	0.00	0.00	0.00
9,100.0	91.08	269.41	7,172.5	-987.5	-340.5	482.9	0.00	0.00	0.00
9,200.0	91.08	269.41	7,170.6	-988.5	-440.5	581.9	0.00	0.00	0.00
9,300.0	91.08	269.41	7,168.7	-989.6	-540.5	680.9	0.00	0.00	0.00
9,400.0	91.08	269.41	7,166.8	-990.6	-640.4	780.0	0.00	0.00	0.00
9,500.0	91.08	269.41	7,164.9	-991.6	-740.4	879.0	0.00	0.00	0.00
9,600.0	91.08	269.41	7,163.1	-992.7	-840.4	978.0	0.00	0.00	0.00
9,700.0	91.08	269.41	7,161.2	-993.7	-940.4	1,077.1	0.00	0.00	0.00
9,800.0	91.08	269.41	7,159.3	-994.8	-1,040.4	1,176.1	0.00	0.00	0.00
9,900.0	91.08	269.41	7,157.4	-995.8	-1,140.3	1,275.1	0.00	0.00	0.00
10,000.0	91.08	269.41	7,155.5	-996.8	-1,240.3	1,374.2	0.00	0.00	0.00
10,100.0	91.08	269.41	7,153.7	-997.9	-1,340.3	1,473.2	0.00	0.00	0.00
10,200.0	91.08	269.41	7,151.8	-998.9	-1,440.3	1,572.2	0.00	0.00	0.00



Database:	EDM	Local Co-ordinate Reference:	Well COT WEST TA-30-25HN
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 30-J Pad	North Reference:	True
Well:	COT WEST TA-30-25HN	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	91.08	269.41	7,149.9	-999.9	-1,540.2	1,671.2	0.00	0.00	0.00	
10,400.0	91.08	269.41	7,148.0	-1,001.0	-1,640.2	1,770.3	0.00	0.00	0.00	
10,500.0	91.08	269.41	7,146.1	-1,002.0	-1,740.2	1,869.3	0.00	0.00	0.00	
10,600.0	91.08	269.41	7,144.3	-1,003.1	-1,840.2	1,968.3	0.00	0.00	0.00	
10,700.0	91.08	269.41	7,142.4	-1,004.1	-1,940.1	2,067.4	0.00	0.00	0.00	
10,800.0	91.08	269.41	7,140.5	-1,005.1	-2,040.1	2,166.4	0.00	0.00	0.00	
10,900.0	91.08	269.41	7,138.6	-1,006.2	-2,140.1	2,265.4	0.00	0.00	0.00	
11,000.0	91.08	269.41	7,136.7	-1,007.2	-2,240.1	2,364.5	0.00	0.00	0.00	
11,100.0	91.08	269.41	7,134.9	-1,008.2	-2,340.1	2,463.5	0.00	0.00	0.00	
11,200.0	91.08	269.41	7,133.0	-1,009.3	-2,440.0	2,562.5	0.00	0.00	0.00	
11,300.0	91.08	269.41	7,131.1	-1,010.3	-2,540.0	2,661.5	0.00	0.00	0.00	
11,400.0	91.08	269.41	7,129.2	-1,011.4	-2,640.0	2,760.6	0.00	0.00	0.00	
11,500.0	91.08	269.41	7,127.3	-1,012.4	-2,740.0	2,859.6	0.00	0.00	0.00	
11,600.0	91.08	269.41	7,125.5	-1,013.4	-2,839.9	2,958.6	0.00	0.00	0.00	
11,700.0	91.08	269.41	7,123.6	-1,014.5	-2,939.9	3,057.7	0.00	0.00	0.00	
11,800.0	91.08	269.41	7,121.7	-1,015.5	-3,039.9	3,156.7	0.00	0.00	0.00	
11,900.0	91.08	269.41	7,119.8	-1,016.5	-3,139.9	3,255.7	0.00	0.00	0.00	
12,000.0	91.08	269.41	7,117.9	-1,017.6	-3,239.8	3,354.8	0.00	0.00	0.00	
12,100.0	91.08	269.41	7,116.1	-1,018.6	-3,339.8	3,453.8	0.00	0.00	0.00	
12,200.0	91.08	269.41	7,114.2	-1,019.7	-3,439.8	3,552.8	0.00	0.00	0.00	
12,300.0	91.08	269.41	7,112.3	-1,020.7	-3,539.8	3,651.8	0.00	0.00	0.00	
12,400.0	91.08	269.41	7,110.4	-1,021.7	-3,639.8	3,750.9	0.00	0.00	0.00	
12,500.0	91.08	269.41	7,108.5	-1,022.8	-3,739.7	3,849.9	0.00	0.00	0.00	
12,600.0	91.08	269.41	7,106.7	-1,023.8	-3,839.7	3,948.9	0.00	0.00	0.00	
12,700.0	91.08	269.41	7,104.8	-1,024.8	-3,939.7	4,048.0	0.00	0.00	0.00	
12,800.0	91.08	269.41	7,102.9	-1,025.9	-4,039.7	4,147.0	0.00	0.00	0.00	
12,900.0	91.08	269.41	7,101.0	-1,026.9	-4,139.6	4,246.0	0.00	0.00	0.00	
13,000.0	91.08	269.41	7,099.1	-1,028.0	-4,239.6	4,345.1	0.00	0.00	0.00	
13,100.0	91.08	269.41	7,097.3	-1,029.0	-4,339.6	4,444.1	0.00	0.00	0.00	
13,200.0	91.08	269.41	7,095.4	-1,030.0	-4,439.6	4,543.1	0.00	0.00	0.00	
13,300.0	91.08	269.41	7,093.5	-1,031.1	-4,539.5	4,642.1	0.00	0.00	0.00	
13,400.0	91.08	269.41	7,091.6	-1,032.1	-4,639.5	4,741.2	0.00	0.00	0.00	
13,500.0	91.08	269.41	7,089.7	-1,033.2	-4,739.5	4,840.2	0.00	0.00	0.00	
13,600.0	91.08	269.41	7,087.9	-1,034.2	-4,839.5	4,939.2	0.00	0.00	0.00	
13,700.0	91.08	269.41	7,086.0	-1,035.2	-4,939.5	5,038.3	0.00	0.00	0.00	
13,800.0	91.08	269.41	7,084.1	-1,036.3	-5,039.4	5,137.3	0.00	0.00	0.00	
13,900.0	91.08	269.41	7,082.2	-1,037.3	-5,139.4	5,236.3	0.00	0.00	0.00	
14,000.0	91.08	269.41	7,080.3	-1,038.3	-5,239.4	5,335.4	0.00	0.00	0.00	
14,100.0	91.08	269.41	7,078.5	-1,039.4	-5,339.4	5,434.4	0.00	0.00	0.00	
14,200.0	91.08	269.41	7,076.6	-1,040.4	-5,439.3	5,533.4	0.00	0.00	0.00	
14,300.0	91.08	269.41	7,074.7	-1,041.5	-5,539.3	5,632.4	0.00	0.00	0.00	
14,400.0	91.08	269.41	7,072.8	-1,042.5	-5,639.3	5,731.5	0.00	0.00	0.00	
14,500.0	91.08	269.41	7,071.0	-1,043.5	-5,739.3	5,830.5	0.00	0.00	0.00	
14,600.0	91.08	269.41	7,069.1	-1,044.6	-5,839.2	5,929.5	0.00	0.00	0.00	
14,700.0	91.08	269.41	7,067.2	-1,045.6	-5,939.2	6,028.6	0.00	0.00	0.00	
14,800.0	91.08	269.41	7,065.3	-1,046.6	-6,039.2	6,127.6	0.00	0.00	0.00	
14,900.0	91.08	269.41	7,063.4	-1,047.7	-6,139.2	6,226.6	0.00	0.00	0.00	
15,000.0	91.08	269.41	7,061.6	-1,048.7	-6,239.2	6,325.6	0.00	0.00	0.00	
15,100.0	91.08	269.41	7,059.7	-1,049.8	-6,339.1	6,424.7	0.00	0.00	0.00	
15,200.0	91.08	269.41	7,057.8	-1,050.8	-6,439.1	6,523.7	0.00	0.00	0.00	
15,300.0	91.08	269.41	7,055.9	-1,051.8	-6,539.1	6,622.7	0.00	0.00	0.00	
15,400.0	91.08	269.41	7,054.0	-1,052.9	-6,639.1	6,721.8	0.00	0.00	0.00	
15,500.0	91.08	269.41	7,052.2	-1,053.9	-6,739.0	6,820.8	0.00	0.00	0.00	
15,600.0	91.08	269.41	7,050.3	-1,054.9	-6,839.0	6,919.8	0.00	0.00	0.00	



Database:	EDM	Local Co-ordinate Reference:	Well COT WEST TA-30-25HN
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 30-J Pad	North Reference:	True
Well:	COT WEST TA-30-25HN	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)
15,700.0	91.08	269.41	7,048.4	-1,056.0	-6,939.0	7,018.9	0.00	0.00	0.00
15,800.0	91.08	269.41	7,046.5	-1,057.0	-7,039.0	7,117.9	0.00	0.00	0.00
15,827.4	91.08	269.41	7,046.0	-1,057.3	-7,066.4	7,145.1	0.00	0.00	0.00
COT WEST TA-30-25HN PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
COT WEST TA-30-25HN	0.00	0.00	7,046.0	-1,057.3	-7,066.4	1,440,562.14	3,180,538.44	40° 32' 27.341 N	104° 51' 1.494 W
- plan hits target center									
- Point									
COT WEST TA-30-25HN	0.00	0.00	7,196.0	-974.5	911.9	1,440,705.66	3,188,515.88	40° 32' 28.169 N	104° 49' 18.152 W
- plan hits target center									
- Point									