



# ConocoPhillips

## Adams County, Colorado

### Florida 3-65 27-26 3CH

### Design C

Ground Level: 5564.00  
Surface Location Latitude: 39° 45' 31.770 N  
Surface Location Longitude: 104° 39' 26.580 W  
North Reference: True  
25' RKB @ 5589.00ft (25' RKB)

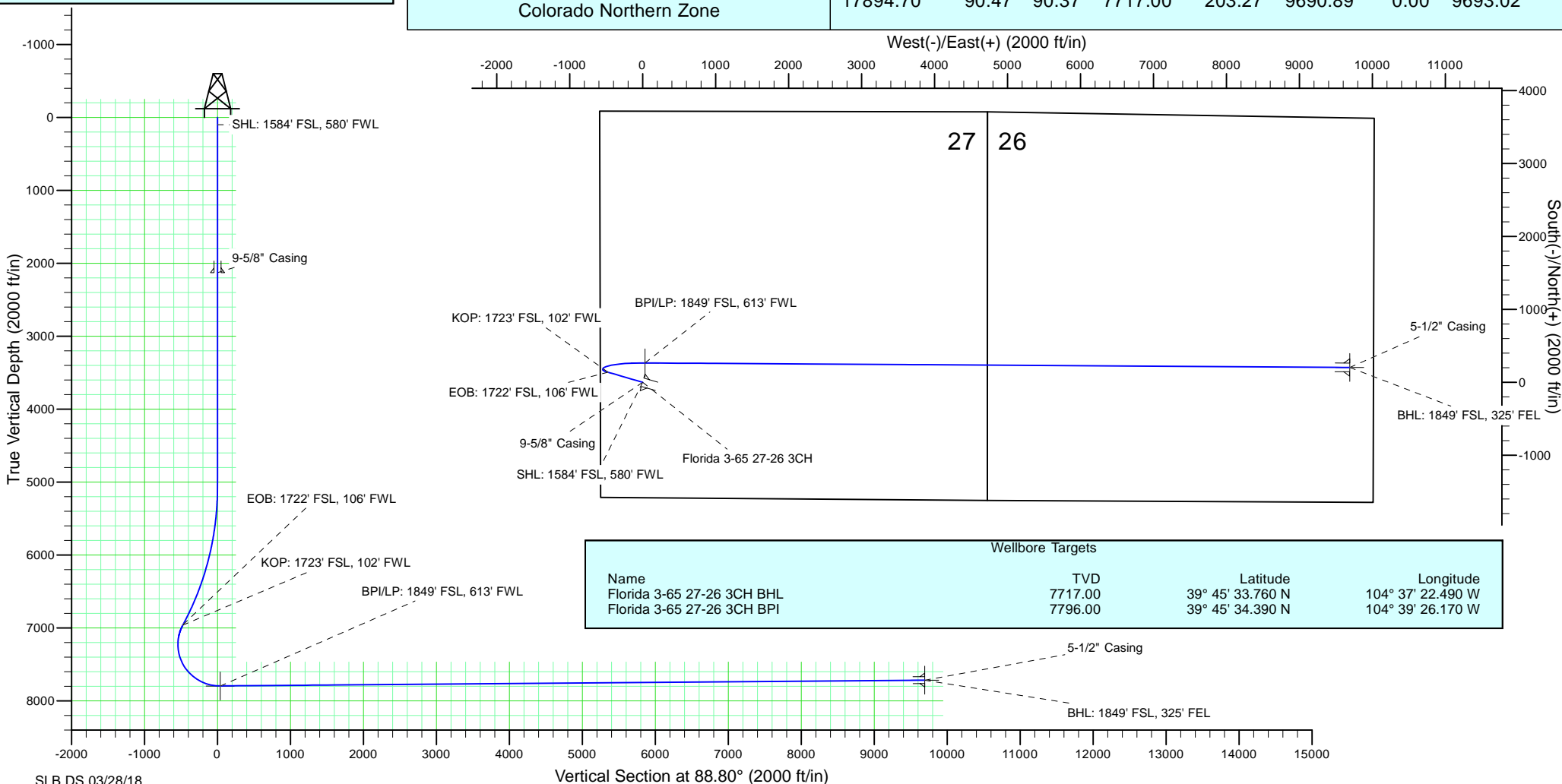
#### Well Profile Data

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5076.80	0.00	0.00	5076.80	0.00	0.00	0.00	0.00
7040.37	29.45	286.19	6955.03	137.66	-474.10	1.50	-471.11
7048.72	29.45	286.19	6962.30	138.80	-478.05	0.00	-475.03
8235.30	90.47	90.37	7796.00	265.13	32.02	10.00	37.57
17894.70	90.47	90.37	7717.00	203.27	9690.89	0.00	9693.02

North American Datum 1983  
GRS 1980  
US State Plane 1983  
Colorado Northern Zone

#### Casing Depths

TVD	MD	Name	Size
2128.00	2128.00	9-5/8" Casing	9-5/8
7717.00	17894.70	5-1/2" Casing	5-1/2



# **ConocoPhillips RBU Gold Data**

**Niobrara North Zone**

**Florida**

**Florida 3-65 27-26 3CH**

**Florida 3-65 27-26 3CH**

**Plan: Design C**

## **Standard Planning Report**

**28 March, 2018**

# ConocoPhillips

## Planning Report

<b>Database:</b>	EDT 14 Central Planning	<b>Local Co-ordinate Reference:</b>	Well Florida 3-65 27-26 3CH
<b>Company:</b>	ConocoPhillips RBU Gold Data	<b>TVD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

<b>Project</b>	Niobrara North Zone, Colorado North Zone, FIPS Zone: 0501		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site	Florida				
Site Position:		Northing:	1,159,831.332 usft	Latitude:	39° 46' 8.512 N
From:	Lat/Long	Easting:	3,236,267.808 usft	Longitude:	104° 39' 34.139 W
Position Uncertainty:	0.00 ft	Slot Radius:	26 "	Grid Convergence:	0.54 °

Well	Florida 3-65 27-26 3CH					
Well Position	+N-S	-3,717.78 ft	Northing:	1,156,119.355 usft	Latitude:	39° 45' 31.770 N
	+E-W	590.32 ft	Easting:	3,236,893.329 usft	Longitude:	104° 39' 26.580 W
Position Uncertainty		2.00 ft	Wellhead Elevation:	5,564.00 ft	Ground Level:	5,564.00 ft

<b>Wellbore</b>	Florida 3-65 27-26 3CH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2017	12/1/2018	8.16	66.34	51,879.04404810

Design	Design C				
Audit Notes:					
Version:	0	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	88.80	

<b>Plan Survey Tool Program</b>	<b>Date</b>	3/28/2018			
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	2,128.00	Design C (Florida 3-65 27-26 3CIGyro-BM-MS		
			Gyro - bat/mem drop m/s		
2	2,128.00	5,076.80	Design C (Florida 3-65 27-26 3CIMWD+IFR_No SAG		
			MWD + IFR (No SAG) corre		
3	5,076.80	7,040.37	Design C (Florida 3-65 27-26 3CIMWD+IFR_No SAG		
			MWD + IFR (No SAG) corre		
4	7,040.37	7,048.72	Design C (Florida 3-65 27-26 3CIMWD+IFR_No SAG		
			MWD + IFR (No SAG) corre		
5	7,048.72	8,235.30	Design C (Florida 3-65 27-26 3CIMWD+IFR_No SAG		
			MWD + IFR (No SAG) corre		
6	8,235.30	17,894.70	Design C (Florida 3-65 27-26 3CIMWD+IFR_No SAG		
			MWD + IFR (No SAG) corre		

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<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,076.80	0.00	0.00	5,076.80	0.00	0.00	0.00	0.00	0.00	0.00	
7,040.37	29.45	286.19	6,955.03	137.66	-474.10	1.50	1.50	0.00	286.19	
7,048.72	29.45	286.19	6,962.30	138.80	-478.05	0.00	0.00	0.00	0.00	
8,235.30	90.47	90.37	7,796.00	265.13	32.02	10.00	5.14	13.84	161.89	Florida 3-65 27-26 ;
17,894.70	90.47	90.37	7,717.00	203.27	9,690.89	0.00	0.00	0.00	0.00	Florida 3-65 27-26 ;

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<b>Company:</b>	ConocoPhillips RBU Gold Data	<b>TVD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	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
<b>SHL: 1584' FSL, 580' FWL</b>									
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
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
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,687.00	0.00	0.00	1,687.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fox Hills Top</b>									
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,928.00	0.00	0.00	1,928.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Pierre Top - Fox Hills Base</b>									
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,128.00	0.00	0.00	2,128.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Surface Casing - 9-5/8" Casing</b>									
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00

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## Planning Report

<b>Database:</b>	EDT 14 Central Planning	<b>Local Co-ordinate Reference:</b>	Well Florida 3-65 27-26 3CH
<b>Company:</b>	ConocoPhillips RBU Gold Data	<b>TVD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,076.80	0.00	0.00	5,076.80	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.35	286.19	5,100.00	0.02	-0.07	-0.07	1.50	1.50	0.00
5,200.00	1.85	286.19	5,199.98	0.55	-1.91	-1.90	1.50	1.50	0.00
5,300.00	3.35	286.19	5,299.87	1.82	-6.26	-6.22	1.50	1.50	0.00
5,400.00	4.85	286.19	5,399.61	3.81	-13.12	-13.04	1.50	1.50	0.00
5,500.00	6.35	286.19	5,499.13	6.53	-22.49	-22.35	1.50	1.50	0.00
5,600.00	7.85	286.19	5,598.37	9.98	-34.36	-34.14	1.50	1.50	0.00
5,700.00	9.35	286.19	5,697.24	14.14	-48.71	-48.41	1.50	1.50	0.00
5,800.00	10.85	286.19	5,795.69	19.03	-65.55	-65.14	1.50	1.50	0.00
5,900.00	12.35	286.19	5,893.64	24.64	-84.86	-84.32	1.50	1.50	0.00
6,000.00	13.85	286.19	5,991.04	30.96	-106.62	-105.95	1.50	1.50	0.00
6,100.00	15.35	286.19	6,087.81	37.98	-130.82	-130.00	1.50	1.50	0.00
6,200.00	16.85	286.19	6,183.88	45.72	-157.45	-156.46	1.50	1.50	0.00
6,300.00	18.35	286.19	6,279.20	54.15	-186.48	-185.31	1.50	1.50	0.00
6,400.00	19.85	286.19	6,373.69	63.27	-217.90	-216.53	1.50	1.50	0.00
6,500.00	21.35	286.19	6,467.30	73.08	-251.69	-250.10	1.50	1.50	0.00
6,600.00	22.85	286.19	6,559.95	83.57	-287.82	-286.00	1.50	1.50	0.00
6,700.00	24.35	286.19	6,651.59	94.73	-326.26	-324.20	1.50	1.50	0.00
6,800.00	25.85	286.19	6,742.14	106.56	-366.99	-364.68	1.50	1.50	0.00
6,900.00	27.35	286.19	6,831.56	119.04	-409.99	-407.40	1.50	1.50	0.00
7,000.00	28.85	286.19	6,919.77	132.17	-455.22	-452.34	1.50	1.50	0.00
7,040.37	29.45	286.19	6,955.02	137.66	-474.10	-471.11	1.50	1.50	0.00
<b>EOB: 1722' FSL, 106' FWL</b>									
7,048.72	29.45	286.19	6,962.29	138.80	-478.04	-475.03	0.00	0.00	0.00
<b>KOP: 1723' FSL, 102' FWL</b>									
7,050.00	29.33	286.27	6,963.41	138.98	-478.65	-475.63	9.98	-9.48	6.33
7,100.00	24.63	290.02	7,007.96	145.98	-500.21	-497.03	10.00	-9.41	7.49
7,150.00	20.05	295.37	7,054.20	153.22	-517.75	-514.42	10.00	-9.15	10.70
7,200.00	15.73	303.61	7,101.78	160.65	-531.15	-527.66	10.00	-8.65	16.49
7,250.00	11.93	317.38	7,150.33	168.21	-540.29	-536.65	10.00	-7.60	27.53
7,300.00	9.31	340.86	7,199.50	175.83	-545.12	-541.31	10.00	-5.22	46.96
7,350.00	9.00	12.63	7,248.89	183.48	-545.59	-541.63	10.00	-0.64	63.54
7,400.00	11.17	38.73	7,298.14	191.07	-541.71	-537.58	10.00	4.35	52.20
7,450.00	14.77	54.38	7,346.87	198.57	-533.49	-529.21	10.00	7.21	31.31
7,500.00	19.01	63.62	7,394.71	205.90	-521.01	-516.58	10.00	8.47	18.47
7,550.00	23.54	69.50	7,441.30	213.02	-504.35	-499.77	10.00	9.06	11.76
7,600.00	28.22	73.54	7,486.28	219.87	-483.65	-478.93	10.00	9.36	8.09
7,650.00	32.99	76.51	7,529.30	226.40	-459.06	-454.21	10.00	9.54	5.93
7,700.00	37.81	78.80	7,570.05	232.56	-430.77	-425.80	10.00	9.65	4.58
7,750.00	42.67	80.64	7,608.20	238.30	-399.00	-393.91	10.00	9.72	3.68
7,800.00	47.56	82.16	7,643.48	243.57	-363.98	-358.79	10.00	9.77	3.05
7,842.51	51.72	83.28	7,671.00	247.67	-331.86	-326.59	10.00	9.80	2.64
<b>Niobrara Top</b>									
7,850.00	52.46	83.47	7,675.60	248.35	-325.99	-320.71	10.00	9.81	2.46
7,900.00	57.37	84.61	7,704.34	252.58	-285.31	-279.95	10.00	9.83	2.29
7,950.00	62.29	85.64	7,729.46	256.25	-242.25	-236.82	10.00	9.85	2.05
8,000.00	67.22	86.57	7,750.77	259.31	-197.14	-191.66	10.00	9.86	1.87
8,050.00	72.16	87.44	7,768.12	261.76	-150.33	-144.81	10.00	9.87	1.74
8,100.00	77.10	88.26	7,781.38	263.56	-102.17	-96.62	10.00	9.88	1.65

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## Planning Report

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<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,150.00	82.04	89.05	7,790.43	264.71	-53.02	-47.46	10.00	9.88	1.58
8,200.00	86.98	89.83	7,795.21	265.19	-3.27	2.29	10.00	9.88	1.54
8,235.30	90.47	90.37	7,796.00	265.13	32.02	37.57	10.00	9.89	1.53
<b>BPI/LP: 1849' FSL, 613' FWL - C Chalk Top</b>									
8,300.00	90.47	90.37	7,795.47	264.72	96.71	102.24	0.00	0.00	0.00
8,400.00	90.47	90.37	7,794.65	264.08	196.71	202.20	0.00	0.00	0.00
8,500.00	90.47	90.37	7,793.84	263.44	296.70	302.16	0.00	0.00	0.00
8,600.00	90.47	90.37	7,793.02	262.79	396.69	402.12	0.00	0.00	0.00
8,700.00	90.47	90.37	7,792.20	262.15	496.69	502.08	0.00	0.00	0.00
8,800.00	90.47	90.37	7,791.38	261.51	596.68	602.04	0.00	0.00	0.00
8,900.00	90.47	90.37	7,790.56	260.87	696.68	702.00	0.00	0.00	0.00
9,000.00	90.47	90.37	7,789.75	260.23	796.67	801.96	0.00	0.00	0.00
9,100.00	90.47	90.37	7,788.93	259.59	896.67	901.91	0.00	0.00	0.00
9,200.00	90.47	90.37	7,788.11	258.95	996.66	1,001.87	0.00	0.00	0.00
9,300.00	90.47	90.37	7,787.29	258.31	1,096.66	1,101.83	0.00	0.00	0.00
9,400.00	90.47	90.37	7,786.47	257.67	1,196.65	1,201.79	0.00	0.00	0.00
9,500.00	90.47	90.37	7,785.66	257.03	1,296.65	1,301.75	0.00	0.00	0.00
9,600.00	90.47	90.37	7,784.84	256.39	1,396.64	1,401.71	0.00	0.00	0.00
9,700.00	90.47	90.37	7,784.02	255.75	1,496.64	1,501.67	0.00	0.00	0.00
9,800.00	90.47	90.37	7,783.20	255.11	1,596.63	1,601.63	0.00	0.00	0.00
9,900.00	90.47	90.37	7,782.39	254.47	1,696.62	1,701.59	0.00	0.00	0.00
10,000.00	90.47	90.37	7,781.57	253.83	1,796.62	1,801.55	0.00	0.00	0.00
10,100.00	90.47	90.37	7,780.75	253.19	1,896.61	1,901.51	0.00	0.00	0.00
10,200.00	90.47	90.37	7,779.93	252.55	1,996.61	2,001.47	0.00	0.00	0.00
10,300.00	90.47	90.37	7,779.11	251.91	2,096.60	2,101.42	0.00	0.00	0.00
10,400.00	90.47	90.37	7,778.30	251.27	2,196.60	2,201.38	0.00	0.00	0.00
10,500.00	90.47	90.37	7,777.48	250.63	2,296.59	2,301.34	0.00	0.00	0.00
10,600.00	90.47	90.37	7,776.66	249.99	2,396.59	2,401.30	0.00	0.00	0.00
10,700.00	90.47	90.37	7,775.84	249.35	2,496.58	2,501.26	0.00	0.00	0.00
10,800.00	90.47	90.37	7,775.02	248.70	2,596.58	2,601.22	0.00	0.00	0.00
10,900.00	90.47	90.37	7,774.21	248.06	2,696.57	2,701.18	0.00	0.00	0.00
11,000.00	90.47	90.37	7,773.39	247.42	2,796.57	2,801.14	0.00	0.00	0.00
11,100.00	90.47	90.37	7,772.57	246.78	2,896.56	2,901.10	0.00	0.00	0.00
11,200.00	90.47	90.37	7,771.75	246.14	2,996.55	3,001.06	0.00	0.00	0.00
11,300.00	90.47	90.37	7,770.94	245.50	3,096.55	3,101.02	0.00	0.00	0.00
11,400.00	90.47	90.37	7,770.12	244.86	3,196.54	3,200.98	0.00	0.00	0.00
11,500.00	90.47	90.37	7,769.30	244.22	3,296.54	3,300.93	0.00	0.00	0.00
11,600.00	90.47	90.37	7,768.48	243.58	3,396.53	3,400.89	0.00	0.00	0.00
11,700.00	90.47	90.37	7,767.66	242.94	3,496.53	3,500.85	0.00	0.00	0.00
11,800.00	90.47	90.37	7,766.85	242.30	3,596.52	3,600.81	0.00	0.00	0.00
11,900.00	90.47	90.37	7,766.03	241.66	3,696.52	3,700.77	0.00	0.00	0.00
12,000.00	90.47	90.37	7,765.21	241.02	3,796.51	3,800.73	0.00	0.00	0.00
12,100.00	90.47	90.37	7,764.39	240.38	3,896.51	3,900.69	0.00	0.00	0.00
12,200.00	90.47	90.37	7,763.57	239.74	3,996.50	4,000.65	0.00	0.00	0.00
12,300.00	90.47	90.37	7,762.76	239.10	4,096.50	4,100.61	0.00	0.00	0.00
12,400.00	90.47	90.37	7,761.94	238.46	4,196.49	4,200.57	0.00	0.00	0.00
12,500.00	90.47	90.37	7,761.12	237.82	4,296.48	4,300.53	0.00	0.00	0.00
12,600.00	90.47	90.37	7,760.30	237.18	4,396.48	4,400.49	0.00	0.00	0.00
12,700.00	90.47	90.37	7,759.49	236.54	4,496.47	4,500.45	0.00	0.00	0.00
12,800.00	90.47	90.37	7,758.67	235.90	4,596.47	4,600.40	0.00	0.00	0.00
12,900.00	90.47	90.37	7,757.85	235.26	4,696.46	4,700.36	0.00	0.00	0.00
13,000.00	90.47	90.37	7,757.03	234.61	4,796.46	4,800.32	0.00	0.00	0.00
13,100.00	90.47	90.37	7,756.21	233.97	4,896.45	4,900.28	0.00	0.00	0.00
13,200.00	90.47	90.37	7,755.40	233.33	4,996.45	5,000.24	0.00	0.00	0.00

# ConocoPhillips

## Planning Report

<b>Database:</b>	EDT 14 Central Planning	<b>Local Co-ordinate Reference:</b>	Well Florida 3-65 27-26 3CH
<b>Company:</b>	ConocoPhillips RBU Gold Data	<b>TVD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,300.00	90.47	90.37	7,754.58	232.69	5,096.44	5,100.20	0.00	0.00	0.00
13,400.00	90.47	90.37	7,753.76	232.05	5,196.44	5,200.16	0.00	0.00	0.00
13,500.00	90.47	90.37	7,752.94	231.41	5,296.43	5,300.12	0.00	0.00	0.00
13,600.00	90.47	90.37	7,752.12	230.77	5,396.43	5,400.08	0.00	0.00	0.00
13,700.00	90.47	90.37	7,751.31	230.13	5,496.42	5,500.04	0.00	0.00	0.00
13,800.00	90.47	90.37	7,750.49	229.49	5,596.41	5,600.00	0.00	0.00	0.00
13,900.00	90.47	90.37	7,749.67	228.85	5,696.41	5,699.96	0.00	0.00	0.00
14,000.00	90.47	90.37	7,748.85	228.21	5,796.40	5,799.91	0.00	0.00	0.00
14,100.00	90.47	90.37	7,748.04	227.57	5,896.40	5,899.87	0.00	0.00	0.00
14,200.00	90.47	90.37	7,747.22	226.93	5,996.39	5,999.83	0.00	0.00	0.00
14,300.00	90.47	90.37	7,746.40	226.29	6,096.39	6,099.79	0.00	0.00	0.00
14,400.00	90.47	90.37	7,745.58	225.65	6,196.38	6,199.75	0.00	0.00	0.00
14,500.00	90.47	90.37	7,744.76	225.01	6,296.38	6,299.71	0.00	0.00	0.00
14,600.00	90.47	90.37	7,743.95	224.37	6,396.37	6,399.67	0.00	0.00	0.00
14,700.00	90.47	90.37	7,743.13	223.73	6,496.37	6,499.63	0.00	0.00	0.00
14,800.00	90.47	90.37	7,742.31	223.09	6,596.36	6,599.59	0.00	0.00	0.00
14,900.00	90.47	90.37	7,741.49	222.45	6,696.35	6,699.55	0.00	0.00	0.00
15,000.00	90.47	90.37	7,740.67	221.81	6,796.35	6,799.51	0.00	0.00	0.00
15,100.00	90.47	90.37	7,739.86	221.17	6,896.34	6,899.47	0.00	0.00	0.00
15,200.00	90.47	90.37	7,739.04	220.52	6,996.34	6,999.42	0.00	0.00	0.00
15,300.00	90.47	90.37	7,738.22	219.88	7,096.33	7,099.38	0.00	0.00	0.00
15,400.00	90.47	90.37	7,737.40	219.24	7,196.33	7,199.34	0.00	0.00	0.00
15,500.00	90.47	90.37	7,736.59	218.60	7,296.32	7,299.30	0.00	0.00	0.00
15,600.00	90.47	90.37	7,735.77	217.96	7,396.32	7,399.26	0.00	0.00	0.00
15,700.00	90.47	90.37	7,734.95	217.32	7,496.31	7,499.22	0.00	0.00	0.00
15,800.00	90.47	90.37	7,734.13	216.68	7,596.31	7,599.18	0.00	0.00	0.00
15,900.00	90.47	90.37	7,733.31	216.04	7,696.30	7,699.14	0.00	0.00	0.00
16,000.00	90.47	90.37	7,732.50	215.40	7,796.30	7,799.10	0.00	0.00	0.00
16,100.00	90.47	90.37	7,731.68	214.76	7,896.29	7,899.06	0.00	0.00	0.00
16,200.00	90.47	90.37	7,730.86	214.12	7,996.28	7,999.02	0.00	0.00	0.00
16,300.00	90.47	90.37	7,730.04	213.48	8,096.28	8,098.98	0.00	0.00	0.00
16,400.00	90.47	90.37	7,729.22	212.84	8,196.27	8,198.93	0.00	0.00	0.00
16,500.00	90.47	90.37	7,728.41	212.20	8,296.27	8,298.89	0.00	0.00	0.00
16,600.00	90.47	90.37	7,727.59	211.56	8,396.26	8,398.85	0.00	0.00	0.00
16,700.00	90.47	90.37	7,726.77	210.92	8,496.26	8,498.81	0.00	0.00	0.00
16,800.00	90.47	90.37	7,725.95	210.28	8,596.25	8,598.77	0.00	0.00	0.00
16,900.00	90.47	90.37	7,725.14	209.64	8,696.25	8,698.73	0.00	0.00	0.00
17,000.00	90.47	90.37	7,724.32	209.00	8,796.24	8,798.69	0.00	0.00	0.00
17,100.00	90.47	90.37	7,723.50	208.36	8,896.24	8,898.65	0.00	0.00	0.00
17,200.00	90.47	90.37	7,722.68	207.72	8,996.23	8,998.61	0.00	0.00	0.00
17,300.00	90.47	90.37	7,721.86	207.08	9,096.23	9,098.57	0.00	0.00	0.00
17,400.00	90.47	90.37	7,721.05	206.43	9,196.22	9,198.53	0.00	0.00	0.00
17,500.00	90.47	90.37	7,720.23	205.79	9,296.21	9,298.49	0.00	0.00	0.00
17,600.00	90.47	90.37	7,719.41	205.15	9,396.21	9,398.45	0.00	0.00	0.00
17,700.00	90.47	90.37	7,718.59	204.51	9,496.20	9,498.40	0.00	0.00	0.00
17,800.00	90.47	90.37	7,717.77	203.87	9,596.20	9,598.36	0.00	0.00	0.00
17,894.70	90.47	90.37	7,717.00	203.27	9,690.89	9,693.02	0.00	0.00	0.00
BHL: 1849' FSL, 325' FEL									

# ConocoPhillips

## Planning Report

<b>Database:</b>	EDT 14 Central Planning	<b>Local Co-ordinate Reference:</b>	Well Florida 3-65 27-26 3CH
<b>Company:</b>	ConocoPhillips RBU Gold Data	<b>TVD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Project:</b>	Niobrara North Zone	<b>MD Reference:</b>	25' RKB @ 5589.00ft (25' RKB)
<b>Site:</b>	Florida	<b>North Reference:</b>	True
<b>Well:</b>	Florida 3-65 27-26 3CH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Florida 3-65 27-26 3CH		
<b>Design:</b>	Design C		

### Design Targets

#### Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Florida 3-65 27-26 3C - plan hits target center - Point	0.00	0.00	7,717.00	203.27	9,690.89	1,156,414.694	3,246,581.770	39° 45' 33.760 N	104° 37' 22.490 W
Florida 3-65 27-26 3C - plan hits target center - Point	0.00	0.00	7,796.00	265.13	32.02	1,156,384.775	3,236,922.827	39° 45' 34.390 N	104° 39' 26.170 W

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,128.00	2,128.00	9-5/8" Casing	9-5/8	12-1/4
17,894.70	7,717.00	5-1/2" Casing	5-1/2	8-1/2

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,687.00	1,687.00	Fox Hills Top		0.00	
1,928.00	1,928.00	Pierre Top - Fox Hills Base		0.00	
2,128.00	2,128.00	Surface Casing		0.00	
7,842.51	7,671.00	Niobrara Top		0.00	
8,235.30	7,796.00	C Chalk Top		0.00	

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
100.00	100.00	0.00	0.00	SHL: 1584' FSL, 580' FWL
7,040.37	6,955.02	137.66	-474.10	EOB: 1722' FSL, 106' FWL
7,048.72	6,962.29	138.80	-478.04	KOP: 1723' FSL, 102' FWL
8,235.30	7,796.00	265.13	32.01	BPI/LP: 1849' FSL, 613' FWL
17,894.70	7,717.00	203.27	9,690.89	BHL: 1849' FSL, 325' FEL