

ConocoPhillips RBU Gold Data_Niobrara

Niobrara - CO Northern Zone

Big Sandy

Big Sandy 3-65 36-31 2CH

Big Sandy 3-65 36-31 2CH

Plan: Big Sandy 3-65 36-31 2CH

Standard Planning Report

14 November, 2016

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Big Sandy 3-65 36-31 2CH
Company:	ConocoPhillips RBU Gold Data_Niobrara	TVD Reference:	24' RKB @ 5547.90ft
Project:	Niobrara - CO Northern Zone	MD Reference:	24' RKB @ 5547.90ft
Site:	Big Sandy	North Reference:	True
Well:	Big Sandy 3-65 36-31 2CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Big Sandy 3-65 36-31 2CH		
Design:	Big Sandy 3-65 36-31 2CH		

Project	Niobrara - CO Northern Zone, Adams County, CO, Definitive (Gold) Database		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Big Sandy				
Site Position:		Northing:	1,154,543.801 usft	Latitude:	39° 45' 15.750 N
From:	Lat/Long	Easting:	3,241,633.546 usft	Longitude:	104° 38' 26.081 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.56 °

Well	Big Sandy 3-65 36-31 2CH					
Well Position	+N/-S	-2,720.45 ft	Northing:	1,151,870.072 usft	Latitude:	39° 44' 48.860 N
	+E/-W	4,805.38 ft	Easting:	3,246,465.028 usft	Longitude:	104° 37' 24.560 W
Position Uncertainty		2.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	5,523.90 ft

Wellbore	Big Sandy 3-65 36-31 2CH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2016	11/14/2016	8.31	66.43	52,134

Design	Big Sandy 3-65 36-31 2CH			
Audit Notes:				
Version:	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	86.87

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	
2,124.00	0.00	0.00	2,124.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,593.86	7.05	35.93	2,592.68	23.37	16.94	1.50	1.50	0.00	35.93	
7,159.25	7.05	35.93	7,123.57	476.93	345.68	0.00	0.00	0.00	0.00	
8,028.75	91.02	90.60	7,653.00	525.18	927.92	10.00	9.66	6.29	54.77	Big Sandy 3-65 36-31
15,301.43	91.02	90.60	7,523.00	448.60	8,199.04	0.00	0.00	0.00	0.00	Big Sandy 3-65 36-31

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Project:	Niobrara - CO Northern Zone	MD Reference:	24' RKB @ 5547.90ft
Site:	Big Sandy	North Reference:	True
Well:	Big Sandy 3-65 36-31 2CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Big Sandy 3-65 36-31 2CH		
Design:	Big Sandy 3-65 36-31 2CH		

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
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
1,700.00	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
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
2,124.00	0.00	0.00	2,124.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	1.14	35.93	2,200.00	0.61	0.44	0.48	1.50	1.50	0.00
2,300.00	2.64	35.93	2,299.94	3.28	2.38	2.55	1.50	1.50	0.00
2,400.00	4.14	35.93	2,399.76	8.07	5.85	6.28	1.50	1.50	0.00
2,500.00	5.64	35.93	2,499.39	14.97	10.85	11.65	1.50	1.50	0.00
2,593.86	7.05	35.93	2,592.68	23.37	16.94	18.19	1.50	1.50	0.00
2,600.00	7.05	35.93	2,598.77	23.98	17.38	18.66	0.00	0.00	0.00
2,700.00	7.05	35.93	2,698.01	33.91	24.58	26.40	0.00	0.00	0.00
2,800.00	7.05	35.93	2,797.26	43.85	31.78	34.13	0.00	0.00	0.00
2,900.00	7.05	35.93	2,896.50	53.78	38.98	41.86	0.00	0.00	0.00
3,000.00	7.05	35.93	2,995.75	63.72	46.18	49.60	0.00	0.00	0.00
3,100.00	7.05	35.93	3,094.99	73.65	53.38	57.33	0.00	0.00	0.00
3,200.00	7.05	35.93	3,194.24	83.59	60.58	65.06	0.00	0.00	0.00
3,300.00	7.05	35.93	3,293.48	93.52	67.79	72.79	0.00	0.00	0.00
3,400.00	7.05	35.93	3,392.72	103.46	74.99	80.53	0.00	0.00	0.00
3,500.00	7.05	35.93	3,491.97	113.39	82.19	88.26	0.00	0.00	0.00
3,600.00	7.05	35.93	3,591.21	123.33	89.39	95.99	0.00	0.00	0.00
3,700.00	7.05	35.93	3,690.46	133.26	96.59	103.72	0.00	0.00	0.00
3,800.00	7.05	35.93	3,789.70	143.20	103.79	111.46	0.00	0.00	0.00
3,900.00	7.05	35.93	3,888.95	153.13	110.99	119.19	0.00	0.00	0.00
4,000.00	7.05	35.93	3,988.19	163.07	118.19	126.92	0.00	0.00	0.00
4,100.00	7.05	35.93	4,087.44	173.00	125.39	134.66	0.00	0.00	0.00
4,200.00	7.05	35.93	4,186.68	182.94	132.59	142.39	0.00	0.00	0.00
4,300.00	7.05	35.93	4,285.92	192.87	139.79	150.12	0.00	0.00	0.00
4,400.00	7.05	35.93	4,385.17	202.81	146.99	157.85	0.00	0.00	0.00
4,500.00	7.05	35.93	4,484.41	212.74	154.19	165.59	0.00	0.00	0.00
4,600.00	7.05	35.93	4,583.66	222.68	161.40	173.32	0.00	0.00	0.00
4,700.00	7.05	35.93	4,682.90	232.61	168.60	181.05	0.00	0.00	0.00
4,800.00	7.05	35.93	4,782.15	242.55	175.80	188.79	0.00	0.00	0.00
4,900.00	7.05	35.93	4,881.39	252.48	183.00	196.52	0.00	0.00	0.00
5,000.00	7.05	35.93	4,980.63	262.42	190.20	204.25	0.00	0.00	0.00
5,100.00	7.05	35.93	5,079.88	272.35	197.40	211.98	0.00	0.00	0.00

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Wellbore:	Big Sandy 3-65 36-31 2CH		
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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)
5,200.00	7.05	35.93	5,179.12	282.28	204.60	219.72	0.00	0.00	0.00
5,300.00	7.05	35.93	5,278.37	292.22	211.80	227.45	0.00	0.00	0.00
5,400.00	7.05	35.93	5,377.61	302.15	219.00	235.18	0.00	0.00	0.00
5,500.00	7.05	35.93	5,476.86	312.09	226.20	242.91	0.00	0.00	0.00
5,600.00	7.05	35.93	5,576.10	322.02	233.40	250.65	0.00	0.00	0.00
5,700.00	7.05	35.93	5,675.35	331.96	240.60	258.38	0.00	0.00	0.00
5,800.00	7.05	35.93	5,774.59	341.89	247.80	266.11	0.00	0.00	0.00
5,900.00	7.05	35.93	5,873.83	351.83	255.01	273.85	0.00	0.00	0.00
6,000.00	7.05	35.93	5,973.08	361.76	262.21	281.58	0.00	0.00	0.00
6,100.00	7.05	35.93	6,072.32	371.70	269.41	289.31	0.00	0.00	0.00
6,200.00	7.05	35.93	6,171.57	381.63	276.61	297.04	0.00	0.00	0.00
6,300.00	7.05	35.93	6,270.81	391.57	283.81	304.78	0.00	0.00	0.00
6,400.00	7.05	35.93	6,370.06	401.50	291.01	312.51	0.00	0.00	0.00
6,500.00	7.05	35.93	6,469.30	411.44	298.21	320.24	0.00	0.00	0.00
6,600.00	7.05	35.93	6,568.55	421.37	305.41	327.98	0.00	0.00	0.00
6,700.00	7.05	35.93	6,667.79	431.31	312.61	335.71	0.00	0.00	0.00
6,800.00	7.05	35.93	6,767.03	441.24	319.81	343.44	0.00	0.00	0.00
6,900.00	7.05	35.93	6,866.28	451.18	327.01	351.17	0.00	0.00	0.00
7,000.00	7.05	35.93	6,965.52	461.11	334.21	358.91	0.00	0.00	0.00
7,100.00	7.05	35.93	7,064.77	471.05	341.41	366.64	0.00	0.00	0.00
7,159.25	7.05	35.93	7,123.57	476.93	345.68	371.22	0.00	0.00	0.00
7,200.00	9.97	55.53	7,163.87	480.96	350.06	375.81	10.00	7.17	48.08
7,250.00	14.34	67.29	7,212.75	485.80	359.34	385.34	10.00	8.74	23.52
7,300.00	19.01	73.50	7,260.64	490.50	372.87	399.11	10.00	9.36	12.43
7,350.00	23.82	77.31	7,307.17	495.04	390.54	417.00	10.00	9.61	7.61
7,400.00	28.69	79.89	7,352.00	499.36	412.22	438.88	10.00	9.74	5.16
7,450.00	33.59	81.78	7,394.79	503.45	437.74	464.59	10.00	9.81	3.77
7,500.00	38.52	83.23	7,435.20	507.27	466.91	493.93	10.00	9.85	2.91
7,550.00	43.46	84.40	7,472.93	510.78	499.51	526.66	10.00	9.88	2.34
7,600.00	48.41	85.37	7,507.69	513.97	535.28	562.56	10.00	9.90	1.95
7,650.00	53.37	86.21	7,539.22	516.81	573.96	601.34	10.00	9.92	1.67
7,700.00	58.33	86.94	7,567.28	519.28	615.25	642.70	10.00	9.93	1.47
7,750.00	63.30	87.60	7,591.65	521.35	658.84	686.34	10.00	9.93	1.32
7,800.00	68.27	88.20	7,612.15	523.02	704.40	731.92	10.00	9.94	1.21
7,850.00	73.24	88.76	7,628.63	524.27	751.57	779.09	10.00	9.94	1.13
7,900.00	78.21	89.30	7,640.95	525.09	800.01	827.50	10.00	9.95	1.07
7,950.00	83.19	89.81	7,649.03	525.47	849.33	876.77	10.00	9.95	1.03
8,000.00	88.16	90.32	7,652.80	525.41	899.17	926.54	10.00	9.95	1.01
8,028.75	91.02	90.60	7,653.00	525.18	927.92	955.23	10.00	9.95	1.00
8,100.00	91.02	90.60	7,651.73	524.43	999.15	1,026.31	0.00	0.00	0.00
8,200.00	91.02	90.60	7,649.94	523.38	1,099.13	1,126.09	0.00	0.00	0.00
8,300.00	91.02	90.60	7,648.15	522.33	1,199.11	1,225.86	0.00	0.00	0.00
8,400.00	91.02	90.60	7,646.36	521.27	1,299.09	1,325.63	0.00	0.00	0.00
8,500.00	91.02	90.60	7,644.58	520.22	1,399.07	1,425.40	0.00	0.00	0.00
8,600.00	91.02	90.60	7,642.79	519.17	1,499.05	1,525.17	0.00	0.00	0.00
8,700.00	91.02	90.60	7,641.00	518.11	1,599.03	1,624.94	0.00	0.00	0.00
8,800.00	91.02	90.60	7,639.21	517.06	1,699.00	1,724.71	0.00	0.00	0.00
8,900.00	91.02	90.60	7,637.43	516.01	1,798.98	1,824.49	0.00	0.00	0.00
9,000.00	91.02	90.60	7,635.64	514.96	1,898.96	1,924.26	0.00	0.00	0.00
9,100.00	91.02	90.60	7,633.85	513.90	1,998.94	2,024.03	0.00	0.00	0.00
9,200.00	91.02	90.60	7,632.06	512.85	2,098.92	2,123.80	0.00	0.00	0.00
9,300.00	91.02	90.60	7,630.28	511.80	2,198.90	2,223.57	0.00	0.00	0.00
9,400.00	91.02	90.60	7,628.49	510.74	2,298.88	2,323.34	0.00	0.00	0.00
9,500.00	91.02	90.60	7,626.70	509.69	2,398.85	2,423.12	0.00	0.00	0.00

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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)	
9,600.00	91.02	90.60	7,624.91	508.64	2,498.83	2,522.89	0.00	0.00	0.00	
9,700.00	91.02	90.60	7,623.13	507.58	2,598.81	2,622.66	0.00	0.00	0.00	
9,800.00	91.02	90.60	7,621.34	506.53	2,698.79	2,722.43	0.00	0.00	0.00	
9,900.00	91.02	90.60	7,619.55	505.48	2,798.77	2,822.20	0.00	0.00	0.00	
10,000.00	91.02	90.60	7,617.76	504.43	2,898.75	2,921.97	0.00	0.00	0.00	
10,100.00	91.02	90.60	7,615.98	503.37	2,998.72	3,021.75	0.00	0.00	0.00	
10,200.00	91.02	90.60	7,614.19	502.32	3,098.70	3,121.52	0.00	0.00	0.00	
10,300.00	91.02	90.60	7,612.40	501.27	3,198.68	3,221.29	0.00	0.00	0.00	
10,400.00	91.02	90.60	7,610.61	500.21	3,298.66	3,321.06	0.00	0.00	0.00	
10,500.00	91.02	90.60	7,608.83	499.16	3,398.64	3,420.83	0.00	0.00	0.00	
10,600.00	91.02	90.60	7,607.04	498.11	3,498.62	3,520.60	0.00	0.00	0.00	
10,700.00	91.02	90.60	7,605.25	497.05	3,598.60	3,620.38	0.00	0.00	0.00	
10,800.00	91.02	90.60	7,603.46	496.00	3,698.57	3,720.15	0.00	0.00	0.00	
10,900.00	91.02	90.60	7,601.68	494.95	3,798.55	3,819.92	0.00	0.00	0.00	
11,000.00	91.02	90.60	7,599.89	493.90	3,898.53	3,919.69	0.00	0.00	0.00	
11,100.00	91.02	90.60	7,598.10	492.84	3,998.51	4,019.46	0.00	0.00	0.00	
11,200.00	91.02	90.60	7,596.31	491.79	4,098.49	4,119.23	0.00	0.00	0.00	
11,300.00	91.02	90.60	7,594.53	490.74	4,198.47	4,219.01	0.00	0.00	0.00	
11,400.00	91.02	90.60	7,592.74	489.68	4,298.44	4,318.78	0.00	0.00	0.00	
11,500.00	91.02	90.60	7,590.95	488.63	4,398.42	4,418.55	0.00	0.00	0.00	
11,600.00	91.02	90.60	7,589.16	487.58	4,498.40	4,518.32	0.00	0.00	0.00	
11,700.00	91.02	90.60	7,587.38	486.52	4,598.38	4,618.09	0.00	0.00	0.00	
11,800.00	91.02	90.60	7,585.59	485.47	4,698.36	4,717.86	0.00	0.00	0.00	
11,900.00	91.02	90.60	7,583.80	484.42	4,798.34	4,817.64	0.00	0.00	0.00	
12,000.00	91.02	90.60	7,582.01	483.37	4,898.32	4,917.41	0.00	0.00	0.00	
12,100.00	91.02	90.60	7,580.23	482.31	4,998.29	5,017.18	0.00	0.00	0.00	
12,200.00	91.02	90.60	7,578.44	481.26	5,098.27	5,116.95	0.00	0.00	0.00	
12,300.00	91.02	90.60	7,576.65	480.21	5,198.25	5,216.72	0.00	0.00	0.00	
12,400.00	91.02	90.60	7,574.86	479.15	5,298.23	5,316.49	0.00	0.00	0.00	
12,500.00	91.02	90.60	7,573.08	478.10	5,398.21	5,416.27	0.00	0.00	0.00	
12,600.00	91.02	90.60	7,571.29	477.05	5,498.19	5,516.04	0.00	0.00	0.00	
12,700.00	91.02	90.60	7,569.50	475.99	5,598.16	5,615.81	0.00	0.00	0.00	
12,800.00	91.02	90.60	7,567.71	474.94	5,698.14	5,715.58	0.00	0.00	0.00	
12,900.00	91.02	90.60	7,565.93	473.89	5,798.12	5,815.35	0.00	0.00	0.00	
13,000.00	91.02	90.60	7,564.14	472.83	5,898.10	5,915.12	0.00	0.00	0.00	
13,100.00	91.02	90.60	7,562.35	471.78	5,998.08	6,014.90	0.00	0.00	0.00	
13,200.00	91.02	90.60	7,560.56	470.73	6,098.06	6,114.67	0.00	0.00	0.00	
13,300.00	91.02	90.60	7,558.78	469.68	6,198.04	6,214.44	0.00	0.00	0.00	
13,400.00	91.02	90.60	7,556.99	468.62	6,298.01	6,314.21	0.00	0.00	0.00	
13,500.00	91.02	90.60	7,555.20	467.57	6,397.99	6,413.98	0.00	0.00	0.00	
13,600.00	91.02	90.60	7,553.41	466.52	6,497.97	6,513.75	0.00	0.00	0.00	
13,700.00	91.02	90.60	7,551.63	465.46	6,597.95	6,613.53	0.00	0.00	0.00	
13,800.00	91.02	90.60	7,549.84	464.41	6,697.93	6,713.30	0.00	0.00	0.00	
13,900.00	91.02	90.60	7,548.05	463.36	6,797.91	6,813.07	0.00	0.00	0.00	
14,000.00	91.02	90.60	7,546.26	462.30	6,897.89	6,912.84	0.00	0.00	0.00	
14,100.00	91.02	90.60	7,544.48	461.25	6,997.86	7,012.61	0.00	0.00	0.00	
14,200.00	91.02	90.60	7,542.69	460.20	7,097.84	7,112.38	0.00	0.00	0.00	
14,300.00	91.02	90.60	7,540.90	459.15	7,197.82	7,212.16	0.00	0.00	0.00	
14,400.00	91.02	90.60	7,539.11	458.09	7,297.80	7,311.93	0.00	0.00	0.00	
14,500.00	91.02	90.60	7,537.33	457.04	7,397.78	7,411.70	0.00	0.00	0.00	
14,600.00	91.02	90.60	7,535.54	455.99	7,497.76	7,511.47	0.00	0.00	0.00	
14,700.00	91.02	90.60	7,533.75	454.93	7,597.73	7,611.24	0.00	0.00	0.00	
14,800.00	91.02	90.60	7,531.96	453.88	7,697.71	7,711.01	0.00	0.00	0.00	
14,900.00	91.02	90.60	7,530.18	452.83	7,797.69	7,810.78	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Big Sandy 3-65 36-31 2CH
Company:	ConocoPhillips RBU Gold Data_Niobrara	TVD Reference:	24' RKB @ 5547.90ft
Project:	Niobrara - CO Northern Zone	MD Reference:	24' RKB @ 5547.90ft
Site:	Big Sandy	North Reference:	True
Well:	Big Sandy 3-65 36-31 2CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Big Sandy 3-65 36-31 2CH		
Design:	Big Sandy 3-65 36-31 2CH		

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)
15,000.00	91.02	90.60	7,528.39	451.77	7,897.67	7,910.56	0.00	0.00	0.00
15,100.00	91.02	90.60	7,526.60	450.72	7,997.65	8,010.33	0.00	0.00	0.00
15,200.00	91.02	90.60	7,524.81	449.67	8,097.63	8,110.10	0.00	0.00	0.00
15,301.43	91.02	90.60	7,523.00	448.60	8,199.04	8,211.30	0.00	0.00	0.00

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
Big Sandy 3-65 36-31 2C - plan hits target center - Point	0.00	0.00	7,523.00	448.60	8,199.04	1,152,399.689	3,254,659.175	39° 44' 53.280 N	104° 35' 39.590 W
Big Sandy 3-65 36-31 2C - plan hits target center - Point	0.00	0.00	7,653.00	525.18	927.92	1,152,404.397	3,247,387.710	39° 44' 54.050 N	104° 37' 12.680 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
2,024.00	2,024.00	Surface	9-5/8	13-1/2	
15,301.00	7,523.01	Production	5-1/2	8-3/4	



ConocoPhillips

Adams County, Colorado

Big Sandy 3-65 36-31 2CH

Wellbore Targets

Name	TVD	Latitude	Longitude
Big Sandy 3-65 36-31 2CH BHL	7523.00	39° 44' 53.280 N	104° 35' 39.590 W
Big Sandy 3-65 36-31 2CH BPI	7653.00	39° 44' 54.050 N	104° 37' 12.680 W

Casing Depths

TVD	MD	Name	Size
2024.00	2024.00	Surface	9-5/8
7523.01	15301.00	Production	5-1/2

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
2124.00	0.00	0.00	2124.00	0.00	0.00	0.00	0.00
2593.86	7.05	35.93	2592.68	23.37	16.94	1.50	18.19
7159.25	7.05	35.93	7123.57	476.93	345.68	0.00	371.22
8028.75	91.02	90.60	7653.00	525.18	927.92	10.00	955.23
15301.43	91.02	90.60	7523.00	448.60	8199.04	0.00	8211.30

