

ConocoPhillips RBU Gold Data_Niobrara

Niobrara - CO Central Zone

Prosper Farms 4-65 2-1

Prosper Farms 4-65 2-1 4CH

Prosper Farms 4-65 2-1 4CH

Plan: Prosper Farms 4-65 2-1 4CH

Standard Planning Report

18 January, 2017

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Prosper Farms 4-65 2-1 4CH
Company:	ConocoPhillips RBU Gold Data_Niobrara	TVD Reference:	24' RKB @ 5656.40ft
Project:	Niobrara - CO Central Zone	MD Reference:	24' RKB @ 5656.40ft
Site:	Prosper Farms 4-65 2-1	North Reference:	True
Well:	Prosper Farms 4-65 2-1 4CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Prosper Farms 4-65 2-1 4CH		
Design:	Prosper Farms 4-65 2-1 4CH		

Project	Niobrara - CO Central Zone, Arapahoe, Douglas, Elbert County - Colorado, 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 Central Zone		Using geodetic scale factor

Site		Prosper Farms 4-65 2-1			
Site Position:		Northing:	1,695,525.074 usft	Latitude:	39° 44' 23.579 N
From:	Lat/Long	Easting:	3,241,656.328 usft	Longitude:	104° 38' 26.452 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.54 °

Well	Prosper Farms 4-65 2-1 4CH					
Well Position	+N/-S	-4,059.46 ft	Northing:	1,691,470.903 usft	Latitude:	39° 43' 43.460 N
	+E/-W	538.44 ft	Easting:	3,242,233.141 usft	Longitude:	104° 38' 19.560 W
Position Uncertainty		2.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	5,632.40 ft

Wellbore	Prosper Farms 4-65 2-1 4CH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	1/17/2017	8.17	66.32	52,017

Design	Prosper Farms 4-65 2-1 4CH			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	24.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	24.00	0.00	0.00	95.39

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
24.00	0.00	0.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,065.00	0.00	0.00	4,065.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,731.57	10.00	159.61	4,728.19	-54.38	20.21	1.50	1.50	0.00	159.61	
7,380.63	10.00	159.61	7,337.02	-485.50	180.44	0.00	0.00	0.00	0.00	
8,243.64	89.89	90.76	7,867.00	-580.00	750.00	10.00	9.26	-7.98	-69.17	
14,522.98	89.89	90.76	7,879.00	-662.81	7,028.78	0.00	0.00	0.00	0.00	Prosper Farms 4-65 2

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Planning Report

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Company:	ConocoPhillips RBU Gold Data_Niobrara	TVD Reference:	24' RKB @ 5656.40ft
Project:	Niobrara - CO Central Zone	MD Reference:	24' RKB @ 5656.40ft
Site:	Prosper Farms 4-65 2-1	North Reference:	True
Well:	Prosper Farms 4-65 2-1 4CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Prosper Farms 4-65 2-1 4CH		
Design:	Prosper Farms 4-65 2-1 4CH		

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)
24.00	0.00	0.00	24.00	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
2,142.00	0.00	0.00	2,142.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface									
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
4,065.00	0.00	0.00	4,065.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.53	159.61	4,100.00	-0.15	0.06	0.07	1.50	1.50	0.00
4,200.00	2.03	159.61	4,199.97	-2.24	0.83	1.04	1.50	1.50	0.00
4,300.00	3.53	159.61	4,299.85	-6.77	2.52	3.14	1.50	1.50	0.00
4,400.00	5.03	159.61	4,399.57	-13.76	5.11	6.38	1.50	1.50	0.00
4,500.00	6.53	159.61	4,499.06	-23.19	8.62	10.76	1.50	1.50	0.00
4,600.00	8.03	159.61	4,598.25	-35.06	13.03	16.27	1.50	1.50	0.00
4,700.00	9.53	159.61	4,697.08	-49.36	18.35	22.90	1.50	1.50	0.00
4,731.57	10.00	159.61	4,728.19	-54.38	20.21	25.23	1.50	1.50	0.00
4,800.00	10.00	159.61	4,795.58	-65.52	24.35	30.39	0.00	0.00	0.00
4,900.00	10.00	159.61	4,894.06	-81.79	30.40	37.94	0.00	0.00	0.00

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Project:	Niobrara - CO Central Zone	MD Reference:	24' RKB @ 5656.40ft
Site:	Prosper Farms 4-65 2-1	North Reference:	True
Well:	Prosper Farms 4-65 2-1 4CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Prosper Farms 4-65 2-1 4CH		
Design:	Prosper Farms 4-65 2-1 4CH		

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)	
5,000.00	10.00	159.61	4,992.55	-98.06	36.45	45.49	0.00	0.00	0.00	
5,100.00	10.00	159.61	5,091.03	-114.34	42.50	53.04	0.00	0.00	0.00	
5,200.00	10.00	159.61	5,189.51	-130.61	48.54	60.59	0.00	0.00	0.00	
5,300.00	10.00	159.61	5,287.99	-146.89	54.59	68.14	0.00	0.00	0.00	
5,400.00	10.00	159.61	5,386.47	-163.16	60.64	75.69	0.00	0.00	0.00	
5,500.00	10.00	159.61	5,484.95	-179.44	66.69	83.24	0.00	0.00	0.00	
5,600.00	10.00	159.61	5,583.43	-195.71	72.74	90.79	0.00	0.00	0.00	
5,700.00	10.00	159.61	5,681.91	-211.99	78.79	98.34	0.00	0.00	0.00	
5,800.00	10.00	159.61	5,780.39	-228.26	84.84	105.89	0.00	0.00	0.00	
5,900.00	10.00	159.61	5,878.88	-244.54	90.89	113.44	0.00	0.00	0.00	
6,000.00	10.00	159.61	5,977.36	-260.81	96.93	120.99	0.00	0.00	0.00	
6,100.00	10.00	159.61	6,075.84	-277.09	102.98	128.54	0.00	0.00	0.00	
6,200.00	10.00	159.61	6,174.32	-293.36	109.03	136.09	0.00	0.00	0.00	
6,300.00	10.00	159.61	6,272.80	-309.64	115.08	143.64	0.00	0.00	0.00	
6,400.00	10.00	159.61	6,371.28	-325.91	121.13	151.19	0.00	0.00	0.00	
6,500.00	10.00	159.61	6,469.76	-342.18	127.18	158.74	0.00	0.00	0.00	
6,600.00	10.00	159.61	6,568.24	-358.46	133.23	166.29	0.00	0.00	0.00	
6,700.00	10.00	159.61	6,666.73	-374.73	139.27	173.84	0.00	0.00	0.00	
6,800.00	10.00	159.61	6,765.21	-391.01	145.32	181.39	0.00	0.00	0.00	
6,900.00	10.00	159.61	6,863.69	-407.28	151.37	188.94	0.00	0.00	0.00	
7,000.00	10.00	159.61	6,962.17	-423.56	157.42	196.49	0.00	0.00	0.00	
7,100.00	10.00	159.61	7,060.65	-439.83	163.47	204.04	0.00	0.00	0.00	
7,200.00	10.00	159.61	7,159.13	-456.11	169.52	211.59	0.00	0.00	0.00	
7,300.00	10.00	159.61	7,257.61	-472.38	175.57	219.14	0.00	0.00	0.00	
7,380.63	10.00	159.61	7,337.02	-485.50	180.44	225.22	0.00	0.00	0.00	
7,400.00	10.84	149.94	7,356.07	-488.66	181.94	227.01	10.00	4.33	-49.93	
7,450.00	14.04	131.87	7,404.91	-496.78	188.82	234.62	10.00	6.40	-36.13	
7,500.00	18.06	121.03	7,452.96	-504.82	199.98	246.49	10.00	8.04	-21.69	
7,550.00	22.47	114.17	7,499.86	-512.74	215.35	262.53	10.00	8.82	-13.71	
7,600.00	27.07	109.51	7,545.26	-520.45	234.80	282.62	10.00	9.21	-9.33	
7,650.00	31.79	106.12	7,588.79	-527.91	258.19	306.61	10.00	9.44	-6.76	
7,700.00	36.58	103.54	7,630.15	-535.06	285.34	334.31	10.00	9.57	-5.16	
7,750.00	41.41	101.49	7,669.00	-541.85	316.05	365.52	10.00	9.66	-4.11	
7,800.00	46.27	99.79	7,705.06	-548.22	350.07	399.99	10.00	9.72	-3.39	
7,850.00	51.15	98.35	7,738.04	-554.12	387.16	437.47	10.00	9.76	-2.88	
7,900.00	56.04	97.10	7,767.71	-559.51	427.03	477.67	10.00	9.79	-2.51	
7,950.00	60.95	95.98	7,793.83	-564.35	469.37	520.27	10.00	9.82	-2.24	
8,000.00	65.87	94.96	7,816.20	-568.60	513.86	564.97	10.00	9.83	-2.03	
8,050.00	70.79	94.02	7,834.66	-572.24	560.17	611.42	10.00	9.85	-1.88	
8,100.00	75.72	93.14	7,849.05	-575.22	607.94	659.26	10.00	9.86	-1.77	
8,150.00	80.65	92.29	7,859.29	-577.53	656.81	708.13	10.00	9.86	-1.69	
8,200.00	85.58	91.47	7,865.28	-579.16	706.41	757.66	10.00	9.87	-1.65	
8,243.64	89.89	90.76	7,867.00	-580.00	750.00	801.14	10.00	9.87	-1.63	
8,300.00	89.89	90.76	7,867.11	-580.74	806.35	857.31	0.00	0.00	0.00	
8,400.00	89.89	90.76	7,867.30	-582.06	906.35	956.99	0.00	0.00	0.00	
8,500.00	89.89	90.76	7,867.49	-583.38	1,006.34	1,056.66	0.00	0.00	0.00	
8,600.00	89.89	90.76	7,867.68	-584.70	1,106.33	1,156.33	0.00	0.00	0.00	
8,700.00	89.89	90.76	7,867.87	-586.02	1,206.32	1,256.01	0.00	0.00	0.00	
8,800.00	89.89	90.76	7,868.06	-587.34	1,306.31	1,355.68	0.00	0.00	0.00	
8,900.00	89.89	90.76	7,868.25	-588.66	1,406.30	1,455.35	0.00	0.00	0.00	
9,000.00	89.89	90.76	7,868.45	-589.97	1,506.29	1,555.03	0.00	0.00	0.00	
9,100.00	89.89	90.76	7,868.64	-591.29	1,606.28	1,654.70	0.00	0.00	0.00	
9,200.00	89.89	90.76	7,868.83	-592.61	1,706.27	1,754.37	0.00	0.00	0.00	
9,300.00	89.89	90.76	7,869.02	-593.93	1,806.27	1,854.05	0.00	0.00	0.00	

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Project:	Niobrara - CO Central Zone	MD Reference:	24' RKB @ 5656.40ft
Site:	Prosper Farms 4-65 2-1	North Reference:	True
Well:	Prosper Farms 4-65 2-1 4CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Prosper Farms 4-65 2-1 4CH		
Design:	Prosper Farms 4-65 2-1 4CH		

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)	
9,400.00	89.89	90.76	7,869.21	-595.25	1,906.26	1,953.72	0.00	0.00	0.00	
9,500.00	89.89	90.76	7,869.40	-596.57	2,006.25	2,053.39	0.00	0.00	0.00	
9,600.00	89.89	90.76	7,869.59	-597.89	2,106.24	2,153.07	0.00	0.00	0.00	
9,700.00	89.89	90.76	7,869.78	-599.21	2,206.23	2,252.74	0.00	0.00	0.00	
9,800.00	89.89	90.76	7,869.97	-600.52	2,306.22	2,352.41	0.00	0.00	0.00	
9,900.00	89.89	90.76	7,870.17	-601.84	2,406.21	2,452.09	0.00	0.00	0.00	
10,000.00	89.89	90.76	7,870.36	-603.16	2,506.20	2,551.76	0.00	0.00	0.00	
10,100.00	89.89	90.76	7,870.55	-604.48	2,606.19	2,651.43	0.00	0.00	0.00	
10,200.00	89.89	90.76	7,870.74	-605.80	2,706.19	2,751.11	0.00	0.00	0.00	
10,300.00	89.89	90.76	7,870.93	-607.12	2,806.18	2,850.78	0.00	0.00	0.00	
10,400.00	89.89	90.76	7,871.12	-608.44	2,906.17	2,950.45	0.00	0.00	0.00	
10,500.00	89.89	90.76	7,871.31	-609.76	3,006.16	3,050.13	0.00	0.00	0.00	
10,600.00	89.89	90.76	7,871.50	-611.07	3,106.15	3,149.80	0.00	0.00	0.00	
10,700.00	89.89	90.76	7,871.69	-612.39	3,206.14	3,249.47	0.00	0.00	0.00	
10,800.00	89.89	90.76	7,871.89	-613.71	3,306.13	3,349.15	0.00	0.00	0.00	
10,900.00	89.89	90.76	7,872.08	-615.03	3,406.12	3,448.82	0.00	0.00	0.00	
11,000.00	89.89	90.76	7,872.27	-616.35	3,506.11	3,548.49	0.00	0.00	0.00	
11,100.00	89.89	90.76	7,872.46	-617.67	3,606.11	3,648.17	0.00	0.00	0.00	
11,200.00	89.89	90.76	7,872.65	-618.99	3,706.10	3,747.84	0.00	0.00	0.00	
11,300.00	89.89	90.76	7,872.84	-620.31	3,806.09	3,847.51	0.00	0.00	0.00	
11,400.00	89.89	90.76	7,873.03	-621.62	3,906.08	3,947.19	0.00	0.00	0.00	
11,500.00	89.89	90.76	7,873.22	-622.94	4,006.07	4,046.86	0.00	0.00	0.00	
11,600.00	89.89	90.76	7,873.41	-624.26	4,106.06	4,146.53	0.00	0.00	0.00	
11,700.00	89.89	90.76	7,873.61	-625.58	4,206.05	4,246.21	0.00	0.00	0.00	
11,800.00	89.89	90.76	7,873.80	-626.90	4,306.04	4,345.88	0.00	0.00	0.00	
11,900.00	89.89	90.76	7,873.99	-628.22	4,406.04	4,445.55	0.00	0.00	0.00	
12,000.00	89.89	90.76	7,874.18	-629.54	4,506.03	4,545.23	0.00	0.00	0.00	
12,100.00	89.89	90.76	7,874.37	-630.86	4,606.02	4,644.90	0.00	0.00	0.00	
12,200.00	89.89	90.76	7,874.56	-632.17	4,706.01	4,744.57	0.00	0.00	0.00	
12,300.00	89.89	90.76	7,874.75	-633.49	4,806.00	4,844.25	0.00	0.00	0.00	
12,400.00	89.89	90.76	7,874.94	-634.81	4,905.99	4,943.92	0.00	0.00	0.00	
12,500.00	89.89	90.76	7,875.13	-636.13	5,005.98	5,043.59	0.00	0.00	0.00	
12,600.00	89.89	90.76	7,875.33	-637.45	5,105.97	5,143.27	0.00	0.00	0.00	
12,700.00	89.89	90.76	7,875.52	-638.77	5,205.96	5,242.94	0.00	0.00	0.00	
12,800.00	89.89	90.76	7,875.71	-640.09	5,305.96	5,342.61	0.00	0.00	0.00	
12,900.00	89.89	90.76	7,875.90	-641.41	5,405.95	5,442.29	0.00	0.00	0.00	
13,000.00	89.89	90.76	7,876.09	-642.72	5,505.94	5,541.96	0.00	0.00	0.00	
13,100.00	89.89	90.76	7,876.28	-644.04	5,605.93	5,641.63	0.00	0.00	0.00	
13,200.00	89.89	90.76	7,876.47	-645.36	5,705.92	5,741.31	0.00	0.00	0.00	
13,300.00	89.89	90.76	7,876.66	-646.68	5,805.91	5,840.98	0.00	0.00	0.00	
13,400.00	89.89	90.76	7,876.85	-648.00	5,905.90	5,940.65	0.00	0.00	0.00	
13,500.00	89.89	90.76	7,877.05	-649.32	6,005.89	6,040.33	0.00	0.00	0.00	
13,600.00	89.89	90.76	7,877.24	-650.64	6,105.88	6,140.00	0.00	0.00	0.00	
13,700.00	89.89	90.76	7,877.43	-651.96	6,205.88	6,239.67	0.00	0.00	0.00	
13,800.00	89.89	90.76	7,877.62	-653.27	6,305.87	6,339.35	0.00	0.00	0.00	
13,900.00	89.89	90.76	7,877.81	-654.59	6,405.86	6,439.02	0.00	0.00	0.00	
14,000.00	89.89	90.76	7,878.00	-655.91	6,505.85	6,538.69	0.00	0.00	0.00	
14,100.00	89.89	90.76	7,878.19	-657.23	6,605.84	6,638.37	0.00	0.00	0.00	
14,200.00	89.89	90.76	7,878.38	-658.55	6,705.83	6,738.04	0.00	0.00	0.00	
14,300.00	89.89	90.76	7,878.57	-659.87	6,805.82	6,837.71	0.00	0.00	0.00	
14,400.00	89.89	90.76	7,878.77	-661.19	6,905.81	6,937.39	0.00	0.00	0.00	
14,500.00	89.89	90.76	7,878.96	-662.51	7,005.80	7,037.06	0.00	0.00	0.00	
14,522.98	89.89	90.76	7,879.00	-662.81	7,028.78	7,059.96	0.00	0.00	0.00	
Production										

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Prosper Farms 4-65 2-1 4CH
Company:	ConocoPhillips RBU Gold Data_Niobrara	TVD Reference:	24' RKB @ 5656.40ft
Project:	Niobrara - CO Central Zone	MD Reference:	24' RKB @ 5656.40ft
Site:	Prosper Farms 4-65 2-1	North Reference:	True
Well:	Prosper Farms 4-65 2-1 4CH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Prosper Farms 4-65 2-1 4CH		
Design:	Prosper Farms 4-65 2-1 4CH		

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)

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Prosper Farms 4-65 2-1	0.00	0.00	7,879.00	-662.81	7,028.78	1,690,874.760	3,249,267.848	39° 43' 36.900 N	104° 36' 49.600 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
2,142.00	2,142.00	Surface	9-5/8	13-1/2	
14,522.98	7,879.00	Production	5-1/2	8-3/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,712.00	1,712.00	Fox Hills Aquifer				
1,942.00	1,942.00	Pierre Shale				
7,151.13	7,111.00	Pierre 300				
7,521.19	7,473.00	Pierre 125				
7,646.72	7,586.00	Sharon Springs Shale				
7,738.11	7,660.00	Niobrara Fm.				
7,780.02	7,691.00	Niobrara A Marl				
7,843.60	7,734.00	Niobrara B Chalk				
7,874.49	7,753.00	Niobrara B Marl				
7,924.57	7,781.00	Niobrara C Chalk				



ConocoPhillips

Arapahoe County, Colorado

Prosper Farms 4-65 2-1 4CH

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

Ground Level: 5632.40
Surface Location Latitude: 39° 43' 43.460 N
Surface Location Longitude: 104° 38' 19.560 W
North Reference: True
24' RKB @ 5656.40ft

Well Profile Data

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
24.00	0.00	0.00	24.00	0.00	0.00	0.00	0.00
4065.00	0.00	0.00	4065.00	0.00	0.00	0.00	0.00
4731.57	10.00	159.61	4728.19	-54.38	20.21	1.50	25.23
7380.63	10.00	159.61	7337.02	-485.50	180.44	0.00	225.22
8243.64	89.89	90.76	7867.00	-580.00	750.00	10.00	801.14
14522.98	89.89	90.76	7879.00	-662.81	7028.78	0.00	7059.96

Casing Depths

TVD	MD	Name	Size
2142.00	2142.00	Surface	9-5/8
7879.00	14522.98	Production	5-1/2

