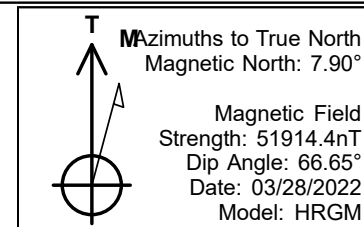


PDC Energy Inc. DJ Basin

Bost Farm 38C-8-L
 Bost Farms 5-7 Pad SEC.7-T5N-R66W
 North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 4874.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1394603.44 3186976.54 40.414645 -104.828503
 Patterson 272 - RKB 28'WELL @ 4902 ft (Patterson 272 - RKB 28')



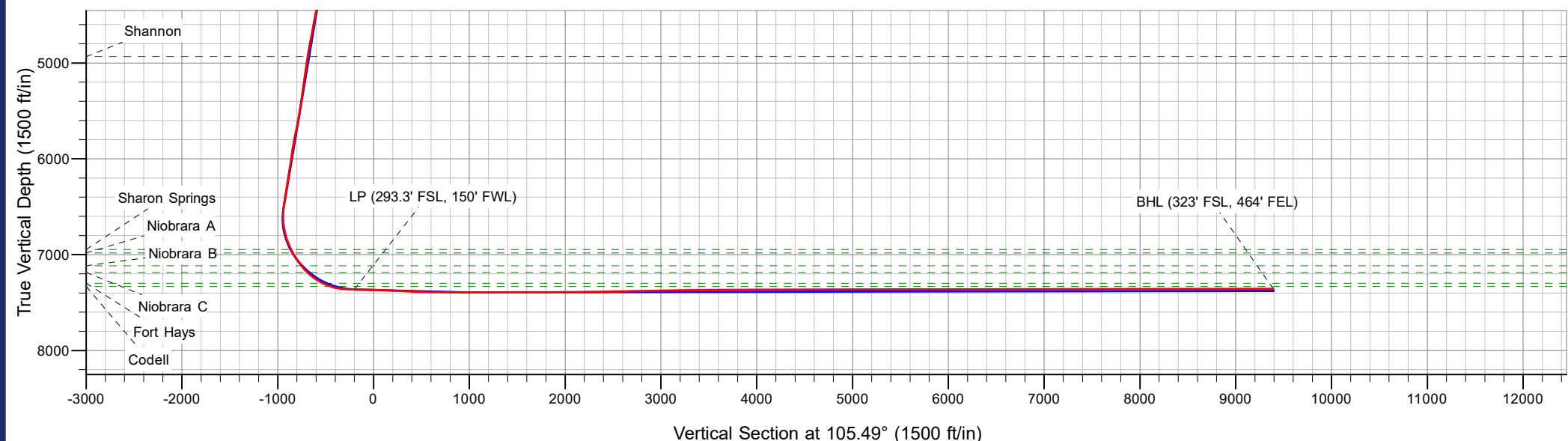
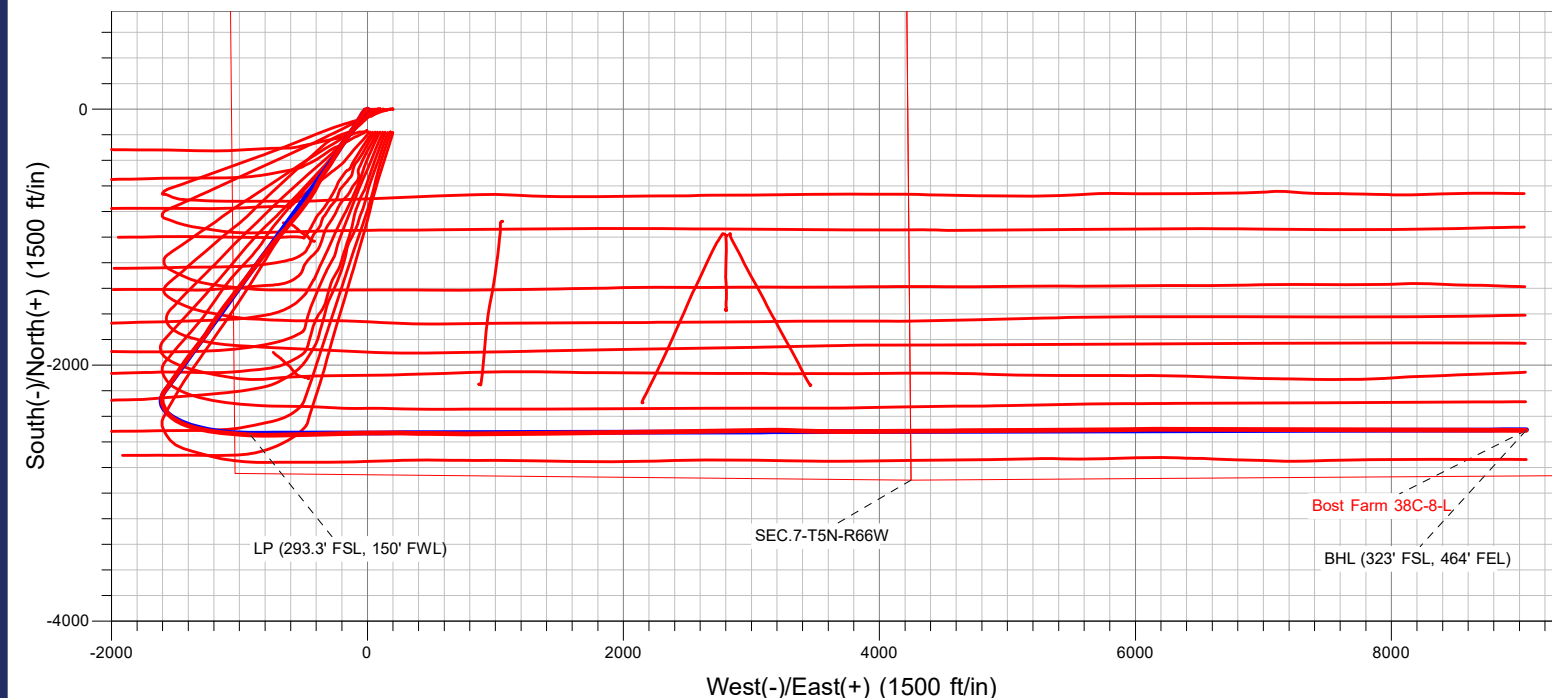
Bost Farms 5-7 Pad SEC.7-T5N-R66W
 Bost Farm 38C-8-L
 38C-8-L_Final Surveys
 14:26, May 16 2022



ANNOTATIONS

MD	TVD	Annotation
8429.4	7361.6	LP (293.3' FSL, 150' FWL)
18395.0	7357.0	BHL (323' FSL, 464' FEL)

FINAL SURVEY
Projected Bottom Hole Location
18395' MD / 7357' TVD
90.09° INC / 90.08° AZM
323' FSL / 464' FEL





PDC Energy Inc. DJ Basin

SEC.7-T5N-R66W

Bost Farms 5-7 Pad SEC.7-T5N-R66W

Bost Farm 38C-8-L

Bost Farm 38C-8-L Wellbore #1

Survey: Surface

Standard Survey Report

16 May, 2022



Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Bost Farm 38C-8-L
Project:	SEC.7-T5N-R66W	TVD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Site:	Bost Farms 5-7 Pad SEC.7-T5N-R66W	MD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Well:	Bost Farm 38C-8-L	North Reference:	True
Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Project	SEC.7-T5N-R66W, Weld County, Co		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site						Bost Farms 5-7 Pad SEC.7-T5N-R66W											
Site Position:						Northing:			1,394,603.55 usft			Latitude:			40.414641		
From:			Lat/Long			Easting:			3,187,178.01 usft			Longitude:			-104.827780		
Position Uncertainty:			0.0 ft			Slot Radius:			13-3/16 "			Grid Convergence:			0.43 °		

Well	Bost Farm 38C-8-L					
Well Position	+N/-S	0.0 ft	Northing:	1,394,603.44 usfl	Latitude:	40.414645
	+E/-W	0.0 ft	Easting:	3,186,976.54 usfl	Longitude:	-104.828504
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,874.0 ft

Wellbore	Bost Farm 38C-8-L Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	03/28/2022	7.90	66.65	51,914.41593102

Design	38C-8-L_Final Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	105.49	

Survey Program	Date	05/16/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
161.5	18,395.0	Surface (Bost Farm 38C-8-L Wellbore #1)	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
161.5	0.10	60.80	161.5	0.1	0.1	0.1	0.06	0.06	0.00
252.5	1.50	209.90	252.5	-0.9	-0.4	-0.1	1.74	1.54	163.85
344.5	3.50	215.30	344.4	-4.3	-2.6	-1.4	2.19	2.17	5.87
433.5	4.80	231.00	433.2	-8.8	-7.1	-4.5	1.93	1.46	17.64
522.5	6.70	222.50	521.7	-15.0	-13.5	-9.0	2.33	2.13	-9.55
612.5	8.50	219.00	610.9	-24.0	-21.2	-14.0	2.06	2.00	-3.89
702.5	10.60	216.40	699.7	-35.9	-30.3	-19.6	2.38	2.33	-2.89
791.5	12.80	218.00	786.8	-50.2	-41.3	-26.3	2.50	2.47	1.80
792.2	12.81	218.00	787.5	-50.4	-41.3	-26.4	0.90	0.90	0.24
Fox Hills Aq Base									

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Bost Farm 38C-8-L
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Site:	Bost Farms 5-7 Pad SEC.7-T5N-R66W	MD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Well:	Bost Farm 38C-8-L	North Reference:	True
Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
880.5	13.60	218.20	873.5	-66.2	-53.8	-34.1	0.90	0.90	0.22
970.5	15.20	212.90	960.6	-84.4	-66.7	-41.8	2.30	1.78	-5.89
1,059.5	16.80	211.80	1,046.2	-105.2	-79.9	-48.9	1.83	1.80	-1.24
1,149.5	17.90	213.80	1,132.1	-127.7	-94.4	-56.9	1.39	1.22	2.22
1,238.5	19.70	213.90	1,216.3	-151.5	-110.4	-65.9	2.02	2.02	0.11
1,328.5	21.50	214.80	1,300.6	-177.7	-128.3	-76.1	2.03	2.00	1.00
1,417.5	23.00	215.20	1,383.0	-205.3	-147.6	-87.4	1.69	1.69	0.45
1,506.5	23.70	212.90	1,464.7	-234.5	-167.3	-98.6	1.29	0.79	-2.58
1,595.5	24.40	212.90	1,545.9	-265.0	-187.0	-109.5	0.79	0.79	0.00
1,649.5	24.20	213.40	1,595.2	-283.6	-199.2	-116.2	0.53	-0.37	0.93
1,785.0	24.36	212.11	1,718.7	-330.4	-229.3	-132.7	0.41	0.12	-0.95
1,880.0	24.41	212.99	1,805.2	-363.5	-250.4	-144.2	0.39	0.05	0.93
1,974.0	25.22	209.98	1,890.5	-397.1	-271.0	-155.1	1.60	0.86	-3.20
2,069.0	25.32	213.88	1,976.4	-431.5	-292.5	-166.5	1.76	0.11	4.11
2,164.0	25.15	215.04	2,062.4	-464.9	-315.4	-179.7	0.55	-0.18	1.22
2,258.0	24.73	212.59	2,147.6	-497.8	-337.4	-192.2	1.19	-0.45	-2.61
2,353.0	22.52	209.94	2,234.6	-530.3	-357.2	-202.6	2.58	-2.33	-2.79
2,448.0	21.34	208.45	2,322.8	-561.3	-374.5	-211.0	1.37	-1.24	-1.57
2,542.0	21.76	207.53	2,410.2	-591.8	-390.7	-218.4	0.57	0.45	-0.98
2,637.0	23.65	209.81	2,497.8	-624.0	-408.3	-226.8	2.19	1.99	2.40
2,731.0	25.51	209.85	2,583.3	-657.9	-427.8	-236.5	1.98	1.98	0.04
2,826.0	26.84	214.25	2,668.6	-693.3	-450.0	-248.5	2.48	1.40	4.63
2,920.0	26.95	216.67	2,752.4	-728.0	-474.7	-263.0	1.17	0.12	2.57
3,015.0	27.58	217.62	2,836.9	-762.7	-501.0	-279.0	0.81	0.66	1.00
3,110.0	27.92	217.42	2,920.9	-797.7	-527.9	-295.6	0.37	0.36	-0.21
3,205.0	27.57	218.99	3,005.0	-832.5	-555.3	-312.7	0.85	-0.37	1.65
3,299.0	27.79	219.91	3,088.2	-866.2	-583.0	-330.4	0.51	0.23	0.98
3,395.0	27.71	218.73	3,173.2	-900.8	-611.4	-348.5	0.58	-0.08	-1.23
3,489.0	27.75	220.92	3,256.4	-934.4	-639.4	-366.5	1.08	0.04	2.33
3,584.0	27.03	221.43	3,340.8	-967.3	-668.1	-385.4	0.80	-0.76	0.54
3,679.0	27.54	221.75	3,425.2	-999.8	-697.0	-404.6	0.56	0.54	0.34
3,773.0	28.00	218.93	3,508.4	-1,033.2	-725.4	-423.0	1.48	0.49	-3.00
3,868.0	27.53	218.27	3,592.4	-1,067.8	-753.0	-440.4	0.59	-0.49	-0.69
3,963.0	25.36	219.07	3,677.5	-1,100.8	-779.4	-457.0	2.31	-2.28	0.84
4,033.8	25.29	217.45	3,741.5	-1,124.6	-798.2	-468.7	0.98	-0.10	-2.29
Parkman									
4,057.0	25.27	216.92	3,762.5	-1,132.5	-804.2	-472.4	0.98	-0.08	-2.29
4,152.0	25.84	218.21	3,848.2	-1,165.0	-829.1	-487.8	0.84	0.60	1.36
4,246.0	24.99	217.54	3,933.1	-1,196.8	-853.9	-503.1	0.95	-0.90	-0.71
4,341.0	24.38	216.69	4,019.4	-1,228.5	-877.9	-517.8	0.74	-0.64	-0.89
4,436.0	24.69	216.34	4,105.8	-1,260.2	-901.3	-531.9	0.36	0.33	-0.37
4,530.0	27.29	217.27	4,190.3	-1,293.1	-926.0	-546.9	2.80	2.77	0.99
4,625.0	27.54	217.61	4,274.6	-1,327.9	-952.6	-563.2	0.31	0.26	0.36

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Project:	SEC.7-T5N-R66W	TVD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Site:	Bost Farms 5-7 Pad SEC.7-T5N-R66W	MD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Well:	Bost Farm 38C-8-L	North Reference:	True
Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,640.6	27.54	217.76	4,288.5	-1,333.6	-957.0	-566.0	0.44	0.00	0.96	
Sussex										
4,720.0	27.54	218.52	4,358.9	-1,362.5	-979.7	-580.1	0.44	0.00	0.96	
4,815.0	27.24	218.47	4,443.2	-1,396.7	-1,006.9	-597.2	0.32	-0.32	-0.05	
4,909.0	27.53	216.82	4,526.7	-1,430.9	-1,033.3	-613.5	0.86	0.31	-1.76	
5,004.0	27.35	216.07	4,611.0	-1,466.1	-1,059.3	-629.1	0.41	-0.19	-0.79	
5,099.0	27.13	216.64	4,695.5	-1,501.1	-1,085.1	-644.6	0.36	-0.23	0.60	
5,194.0	26.79	216.89	4,780.1	-1,535.6	-1,110.9	-660.2	0.38	-0.36	0.26	
5,288.0	25.33	216.91	4,864.6	-1,568.7	-1,135.6	-675.3	1.55	-1.55	0.02	
5,363.2	25.64	217.23	4,932.5	-1,594.5	-1,155.2	-687.2	0.45	0.41	0.42	
Shannon										
5,383.0	25.72	217.31	4,950.3	-1,601.3	-1,160.3	-690.4	0.45	0.41	0.42	
5,478.0	24.54	212.83	5,036.3	-1,634.3	-1,183.5	-703.9	2.36	-1.24	-4.72	
5,572.0	24.85	212.55	5,121.7	-1,667.3	-1,204.7	-715.5	0.35	0.33	-0.30	
5,667.0	25.51	211.26	5,207.7	-1,701.6	-1,226.1	-726.9	0.90	0.69	-1.36	
5,762.0	24.50	211.82	5,293.8	-1,735.9	-1,247.1	-738.0	1.09	-1.06	0.59	
5,857.0	24.87	217.09	5,380.1	-1,768.5	-1,269.5	-750.9	2.35	0.39	5.55	
5,951.0	25.15	215.73	5,465.3	-1,800.5	-1,293.1	-765.1	0.68	0.30	-1.45	
6,046.0	26.18	218.05	5,550.9	-1,833.4	-1,317.8	-780.1	1.51	1.08	2.44	
6,235.0	26.55	218.76	5,720.3	-1,899.2	-1,370.0	-812.8	0.26	0.20	0.38	
6,330.0	26.39	217.51	5,805.3	-1,932.5	-1,396.1	-829.1	0.61	-0.17	-1.32	
6,425.0	25.85	214.04	5,890.6	-1,966.4	-1,420.6	-843.6	1.71	-0.57	-3.65	
6,520.0	25.35	213.46	5,976.3	-2,000.5	-1,443.4	-856.5	0.59	-0.53	-0.61	
6,614.0	25.10	213.85	6,061.3	-2,033.9	-1,465.6	-869.0	0.32	-0.27	0.41	
6,709.0	24.85	215.46	6,147.4	-2,066.9	-1,488.4	-882.1	0.76	-0.26	1.69	
6,804.0	25.45	214.53	6,233.4	-2,099.9	-1,511.5	-895.6	0.76	0.63	-0.98	
6,898.0	25.53	215.56	6,318.3	-2,133.1	-1,534.8	-909.1	0.48	0.09	1.10	
6,993.0	25.62	215.66	6,404.0	-2,166.4	-1,558.6	-923.2	0.11	0.09	0.11	
7,088.0	24.92	215.25	6,489.9	-2,199.4	-1,582.2	-937.1	0.76	-0.74	-0.43	
7,182.0	21.66	201.19	6,576.3	-2,231.8	-1,599.9	-945.5	6.83	-3.47	-14.96	
7,277.0	19.83	181.52	6,665.2	-2,264.3	-1,606.7	-943.4	7.55	-1.93	-20.71	
7,371.0	23.51	161.32	6,752.7	-2,298.1	-1,601.1	-928.9	8.79	3.91	-21.49	
7,466.0	25.12	153.61	6,839.3	-2,334.1	-1,586.0	-904.8	3.74	1.69	-8.12	
7,561.0	29.80	143.60	6,923.6	-2,371.2	-1,563.0	-872.8	6.90	4.93	-10.54	
7,586.4	30.77	140.29	6,945.5	-2,381.3	-1,555.2	-862.5	7.62	3.83	-13.06	
Sharon Springs										
7,628.6	32.57	135.18	6,981.5	-2,397.7	-1,540.2	-843.7	7.62	4.24	-12.07	
Niobrara A										
7,655.0	33.78	132.26	7,003.6	-2,407.6	-1,529.8	-831.0	7.62	4.61	-11.10	
7,750.0	36.04	116.95	7,081.6	-2,438.1	-1,485.2	-779.9	9.50	2.38	-16.12	
7,792.7	38.98	114.95	7,115.5	-2,449.5	-1,461.8	-754.3	7.45	6.88	-4.69	
Niobrara B										
7,845.0	42.62	112.82	7,155.1	-2,463.3	-1,430.6	-720.6	7.45	6.96	-4.07	
7,887.7	46.51	109.29	7,185.5	-2,474.0	-1,402.6	-690.7	10.80	9.11	-8.26	

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Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Niobrara C									
7,939.0	51.31	105.62	7,219.2	-2,485.6	-1,365.8	-652.1	10.80	9.35	-7.16
8,034.0	59.95	100.42	7,272.8	-2,503.0	-1,289.5	-573.9	10.15	9.09	-5.47
8,086.2	63.52	99.53	7,297.5	-2,511.0	-1,244.2	-528.2	7.00	6.84	-1.71
Fort Hays									
8,129.0	66.45	98.84	7,315.6	-2,517.2	-1,205.9	-489.6	7.00	6.85	-1.61
8,169.9	70.86	97.76	7,330.5	-2,522.7	-1,168.2	-451.8	11.05	10.78	-2.64
Codell									
8,223.0	76.59	96.44	7,345.4	-2,528.9	-1,117.7	-401.4	11.05	10.79	-2.49
8,318.0	87.94	94.53	7,358.1	-2,537.9	-1,024.1	-308.9	12.11	11.95	-2.01
8,413.0	88.40	93.38	7,361.2	-2,544.5	-929.4	-215.8	1.30	0.48	-1.21
8,429.4	88.42	92.65	7,361.6	-2,545.3	-913.0	-199.8	4.46	0.13	-4.46
LP (293.3' FSL, 150' FWL)									
8,507.0	88.53	89.19	7,363.7	-2,546.6	-835.5	-124.8	4.46	0.14	-4.46
8,602.0	87.99	92.00	7,366.6	-2,547.6	-740.5	-33.0	3.01	-0.57	2.96
8,697.0	89.68	87.60	7,368.5	-2,547.2	-645.6	58.4	4.96	1.78	-4.63
8,792.0	87.37	88.48	7,371.0	-2,544.0	-550.7	149.0	2.60	-2.43	0.93
8,886.0	86.88	88.43	7,375.7	-2,541.4	-456.8	238.7	0.52	-0.52	-0.05
8,981.0	87.21	88.12	7,380.6	-2,538.6	-362.0	329.4	0.48	0.35	-0.33
9,075.0	87.64	88.51	7,384.8	-2,535.8	-268.1	419.1	0.62	0.46	0.41
9,170.0	88.97	88.15	7,387.6	-2,533.1	-173.2	509.8	1.45	1.40	-0.38
9,265.0	88.99	88.67	7,389.3	-2,530.4	-78.3	600.6	0.55	0.02	0.55
9,359.0	89.36	90.08	7,390.6	-2,529.4	15.7	690.9	1.55	0.39	1.50
9,454.0	89.01	90.44	7,392.0	-2,529.8	110.7	782.5	0.53	-0.37	0.38
9,549.0	89.04	90.75	7,393.6	-2,530.8	205.7	874.3	0.33	0.03	0.33
9,738.0	90.05	90.62	7,395.1	-2,533.1	394.7	1,057.0	0.54	0.53	-0.07
9,832.0	90.33	90.46	7,394.8	-2,534.0	488.7	1,147.9	0.34	0.30	-0.17
9,927.0	90.19	90.91	7,394.4	-2,535.1	583.7	1,239.7	0.50	-0.15	0.47
10,115.0	90.31	90.14	7,393.6	-2,536.8	771.7	1,421.3	0.41	0.06	-0.41
10,209.0	90.19	89.39	7,393.1	-2,536.4	865.7	1,511.8	0.81	-0.13	-0.80
10,303.0	90.22	89.09	7,392.8	-2,535.2	959.6	1,602.0	0.32	0.03	-0.32
10,398.0	90.13	89.63	7,392.5	-2,534.1	1,054.6	1,693.3	0.58	-0.09	0.57
10,491.0	90.19	89.62	7,392.3	-2,533.5	1,147.6	1,782.8	0.07	0.06	-0.01
10,585.0	90.05	89.82	7,392.1	-2,533.1	1,241.6	1,873.2	0.26	-0.15	0.21
10,680.0	90.15	89.86	7,391.9	-2,532.8	1,336.6	1,964.7	0.11	0.11	0.04
10,774.0	90.69	89.29	7,391.2	-2,532.1	1,430.6	2,055.1	0.84	0.57	-0.61
10,868.0	89.91	89.84	7,390.7	-2,531.4	1,524.6	2,145.5	1.02	-0.83	0.59
10,963.0	90.58	89.91	7,390.3	-2,531.2	1,619.6	2,237.0	0.71	0.71	0.07
11,058.0	91.16	87.80	7,388.9	-2,529.3	1,714.6	2,328.0	2.30	0.61	-2.22
11,152.0	91.14	89.82	7,387.0	-2,527.3	1,808.5	2,418.0	2.15	-0.02	2.15
11,247.0	91.15	89.47	7,385.1	-2,526.7	1,903.5	2,509.4	0.37	0.01	-0.37
11,341.0	91.25	89.10	7,383.1	-2,525.6	1,997.5	2,599.6	0.41	0.11	-0.39
11,435.0	91.21	89.36	7,381.1	-2,524.3	2,091.5	2,689.8	0.28	-0.04	0.28
11,530.0	91.03	89.60	7,379.2	-2,523.4	2,186.4	2,781.1	0.32	-0.19	0.25

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Bost Farm 38C-8-L
Project:	SEC.7-T5N-R66W	TVD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Site:	Bost Farms 5-7 Pad SEC.7-T5N-R66W	MD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Well:	Bost Farm 38C-8-L	North Reference:	True
Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,624.0	91.17	89.07	7,377.4	-2,522.3	2,280.4	2,871.4	0.58	0.15	-0.56	
11,719.0	91.35	89.14	7,375.3	-2,520.9	2,375.4	2,962.5	0.20	0.19	0.07	
11,813.0	91.22	88.97	7,373.2	-2,519.3	2,469.3	3,052.6	0.23	-0.14	-0.18	
11,907.0	91.10	89.26	7,371.3	-2,517.9	2,563.3	3,142.8	0.33	-0.13	0.31	
12,001.0	90.59	88.35	7,369.9	-2,515.9	2,657.3	3,232.8	1.11	-0.54	-0.97	
12,095.0	90.09	89.99	7,369.4	-2,514.5	2,751.3	3,323.0	1.82	-0.53	1.74	
12,189.0	90.29	88.54	7,369.1	-2,513.3	2,845.3	3,413.3	1.56	0.21	-1.54	
12,284.0	90.27	88.92	7,368.6	-2,511.2	2,940.2	3,504.2	0.40	-0.02	0.40	
12,378.0	90.48	89.17	7,368.0	-2,509.7	3,034.2	3,594.4	0.35	0.22	0.27	
12,472.0	90.43	89.15	7,367.3	-2,508.3	3,128.2	3,684.6	0.06	-0.05	-0.02	
12,564.0	90.02	91.56	7,366.9	-2,508.9	3,220.2	3,773.4	2.66	-0.45	2.62	
12,658.0	90.25	91.90	7,366.7	-2,511.7	3,314.1	3,864.7	0.44	0.24	0.36	
12,753.0	90.30	91.52	7,366.2	-2,514.5	3,409.1	3,957.0	0.40	0.05	-0.40	
12,847.0	90.17	92.03	7,365.8	-2,517.4	3,503.1	4,048.3	0.56	-0.14	0.54	
12,941.0	90.29	90.42	7,365.4	-2,519.4	3,597.0	4,139.4	1.72	0.13	-1.71	
13,036.0	90.23	89.84	7,365.0	-2,519.7	3,692.0	4,231.0	0.61	-0.06	-0.61	
13,130.0	90.23	89.63	7,364.6	-2,519.2	3,786.0	4,321.4	0.22	0.00	-0.22	
13,224.0	90.27	89.59	7,364.2	-2,518.6	3,880.0	4,411.8	0.06	0.04	-0.04	
13,318.0	90.10	89.42	7,363.9	-2,517.8	3,974.0	4,502.2	0.26	-0.18	-0.18	
13,413.0	90.04	89.95	7,363.8	-2,517.3	4,069.0	4,593.6	0.56	-0.06	0.56	
13,507.0	90.07	89.62	7,363.7	-2,516.9	4,163.0	4,684.1	0.35	0.03	-0.35	
13,602.0	90.26	89.26	7,363.4	-2,516.0	4,258.0	4,775.4	0.43	0.20	-0.38	
13,696.0	90.06	89.79	7,363.2	-2,515.2	4,352.0	4,865.8	0.60	-0.21	0.56	
13,790.0	90.23	89.87	7,362.9	-2,514.9	4,446.0	4,956.3	0.20	0.18	0.09	
13,885.0	90.37	89.33	7,362.5	-2,514.2	4,541.0	5,047.6	0.59	0.15	-0.57	
13,979.0	90.32	89.26	7,361.9	-2,513.1	4,635.0	5,137.9	0.09	-0.05	-0.07	
14,073.0	90.35	89.25	7,361.3	-2,511.9	4,729.0	5,228.2	0.03	0.03	-0.01	
14,167.0	90.15	89.73	7,360.9	-2,511.0	4,823.0	5,318.5	0.55	-0.21	0.51	
14,357.0	89.93	89.98	7,360.8	-2,510.6	5,013.0	5,501.5	0.18	-0.12	0.13	
14,451.0	90.15	89.62	7,360.7	-2,510.2	5,107.0	5,592.0	0.45	0.23	-0.38	
14,546.0	89.82	89.74	7,360.8	-2,509.7	5,202.0	5,683.4	0.37	-0.35	0.13	
14,735.0	89.99	89.22	7,361.1	-2,508.0	5,391.0	5,865.0	0.29	0.09	-0.28	
14,829.0	90.09	89.82	7,361.0	-2,507.2	5,485.0	5,955.4	0.65	0.11	0.64	
14,922.0	89.99	89.41	7,360.9	-2,506.6	5,578.0	6,044.9	0.45	-0.11	-0.44	
15,016.0	90.03	89.57	7,360.9	-2,505.7	5,672.0	6,135.2	0.18	0.04	0.17	
15,111.0	89.93	89.64	7,361.0	-2,505.1	5,767.0	6,226.6	0.13	-0.11	0.07	
15,205.0	89.89	89.72	7,361.1	-2,504.5	5,861.0	6,317.0	0.10	-0.04	0.09	
15,299.0	89.97	89.05	7,361.2	-2,503.5	5,955.0	6,407.3	0.72	0.09	-0.71	
15,393.0	90.25	89.03	7,361.0	-2,502.0	6,048.9	6,497.5	0.30	0.30	-0.02	
15,487.0	89.99	90.19	7,360.8	-2,501.3	6,142.9	6,587.9	1.26	-0.28	1.23	
15,581.0	90.09	90.42	7,360.8	-2,501.8	6,236.9	6,678.6	0.27	0.11	0.24	
15,675.0	90.04	89.99	7,360.7	-2,502.2	6,330.9	6,769.3	0.46	-0.05	-0.46	
15,864.0	90.11	90.09	7,360.4	-2,502.3	6,519.9	6,951.5	0.06	0.04	0.05	
15,958.0	90.40	89.99	7,360.0	-2,502.4	6,613.9	7,042.1	0.33	0.31	-0.11	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Bost Farm 38C-8-L
Project:	SEC.7-T5N-R66W	TVD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Site:	Bost Farms 5-7 Pad SEC.7-T5N-R66W	MD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Well:	Bost Farm 38C-8-L	North Reference:	True
Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,052.0	90.06	90.09	7,359.6	-2,502.4	6,707.9	7,132.7	0.38	-0.36	0.11
16,146.0	90.32	89.68	7,359.3	-2,502.2	6,801.9	7,223.2	0.52	0.28	-0.44
16,240.0	90.10	90.62	7,359.0	-2,502.5	6,895.9	7,313.8	1.03	-0.23	1.00
16,334.0	89.96	90.37	7,358.9	-2,503.3	6,989.9	7,404.6	0.30	-0.15	-0.27
16,428.0	89.69	89.12	7,359.2	-2,502.9	7,083.9	7,495.1	1.36	-0.29	-1.33
16,522.0	90.29	90.62	7,359.2	-2,502.7	7,177.9	7,585.6	1.72	0.64	1.60
16,616.0	90.01	90.06	7,359.0	-2,503.2	7,271.9	7,676.4	0.67	-0.30	-0.60
16,710.0	90.09	90.22	7,358.9	-2,503.5	7,365.9	7,767.0	0.19	0.09	0.17
16,804.0	90.12	90.29	7,358.7	-2,503.9	7,459.9	7,857.7	0.08	0.03	0.07
16,898.0	89.99	90.30	7,358.6	-2,504.4	7,553.9	7,948.4	0.14	-0.14	0.01
16,992.0	90.05	90.26	7,358.6	-2,504.8	7,647.9	8,039.1	0.08	0.06	-0.04
17,086.0	89.95	90.57	7,358.6	-2,505.5	7,741.9	8,129.9	0.35	-0.11	0.33
17,180.0	89.99	90.19	7,358.6	-2,506.1	7,835.9	8,220.6	0.41	0.04	-0.40
17,275.0	90.09	89.92	7,358.6	-2,506.2	7,930.9	8,312.2	0.30	0.11	-0.28
17,369.0	89.96	90.33	7,358.5	-2,506.4	8,024.9	8,402.8	0.46	-0.14	0.44
17,464.0	90.13	90.09	7,358.5	-2,506.8	8,119.9	8,494.5	0.31	0.18	-0.25
17,557.0	90.04	89.89	7,358.3	-2,506.7	8,212.9	8,584.1	0.24	-0.10	-0.22
17,652.0	89.95	90.49	7,358.3	-2,507.1	8,307.9	8,675.7	0.64	-0.09	0.63
17,840.0	90.12	89.97	7,358.2	-2,507.8	8,495.9	8,857.1	0.29	0.09	-0.28
17,935.0	90.29	90.81	7,357.9	-2,508.5	8,590.9	8,948.8	0.90	0.18	0.88
18,029.0	90.15	89.67	7,357.5	-2,508.9	8,684.9	9,039.5	1.22	-0.15	-1.21
18,123.0	90.20	89.97	7,357.2	-2,508.6	8,778.9	9,130.0	0.32	0.05	0.32
18,218.0	89.95	90.13	7,357.1	-2,508.6	8,873.9	9,221.6	0.31	-0.26	0.17
18,343.0	90.08	90.23	7,357.1	-2,509.0	8,968.9	9,342.1	0.13	0.10	0.08
18,364.0	90.09	90.08	7,357.0	-2,509.1	9,019.9	9,362.4	0.72	0.05	-0.71
18,395.0	90.09	90.08	7,357.0	-2,509.1	9,050.9	9,392.3	0.00	0.00	0.00
BHL (323' FSL, 464' FEL)									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
792.2	787.5	Fox Hills Aq Base			
4,033.8	3,741.5	Parkman			
4,640.6	4,288.5	Sussex			
5,363.2	4,932.5	Shannon			
7,586.4	6,945.5	Sharon Springs			
7,628.6	6,981.5	Niobrara A			
7,792.7	7,115.5	Niobrara B			
7,887.7	7,185.5	Niobrara C			
8,086.2	7,297.5	Fort Hays			
8,169.9	7,330.5	Codell			

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Bost Farm 38C-8-L
Project:	SEC.7-T5N-R66W	TVD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Site:	Bost Farms 5-7 Pad SEC.7-T5N-R66W	MD Reference:	WELL @ 4902 ft (Patterson 272 - RKB 28')
Well:	Bost Farm 38C-8-L	North Reference:	True
Wellbore:	Bost Farm 38C-8-L Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	38C-8-L_Final Surveys	Database:	US_EDM

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,429.4	7,361.6	-2,545.3	-913.0	LP (293.3' FSL, 150' FWL)
18,395.0	7,357.0	-2,509.1	9,050.9	BHL (323' FSL, 464' FEL)