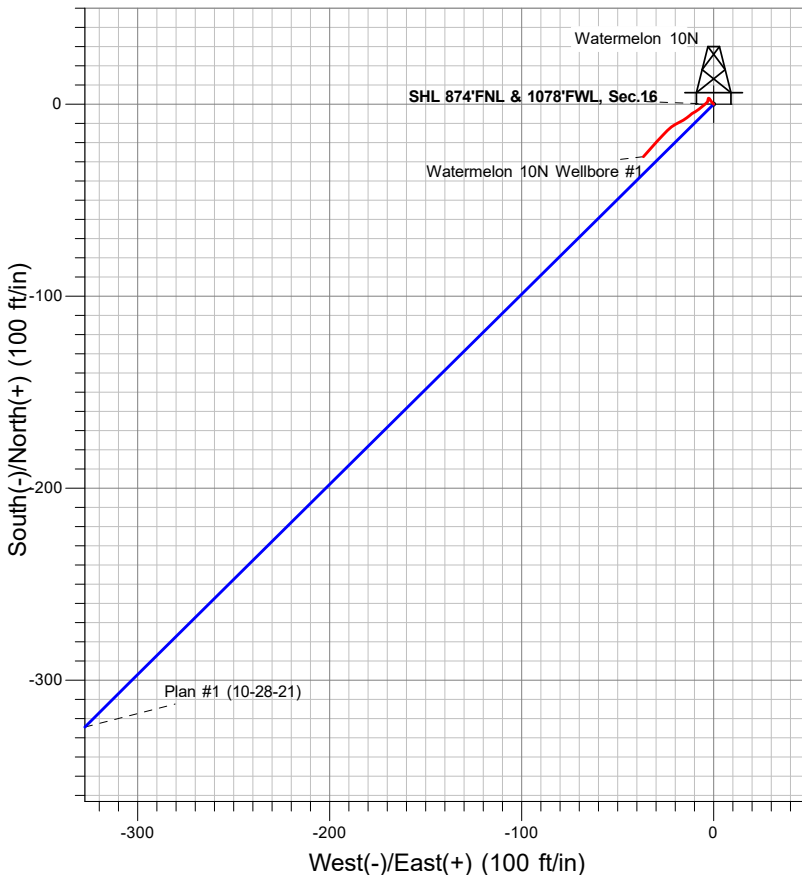


PDC Energy Inc. DJ Basin

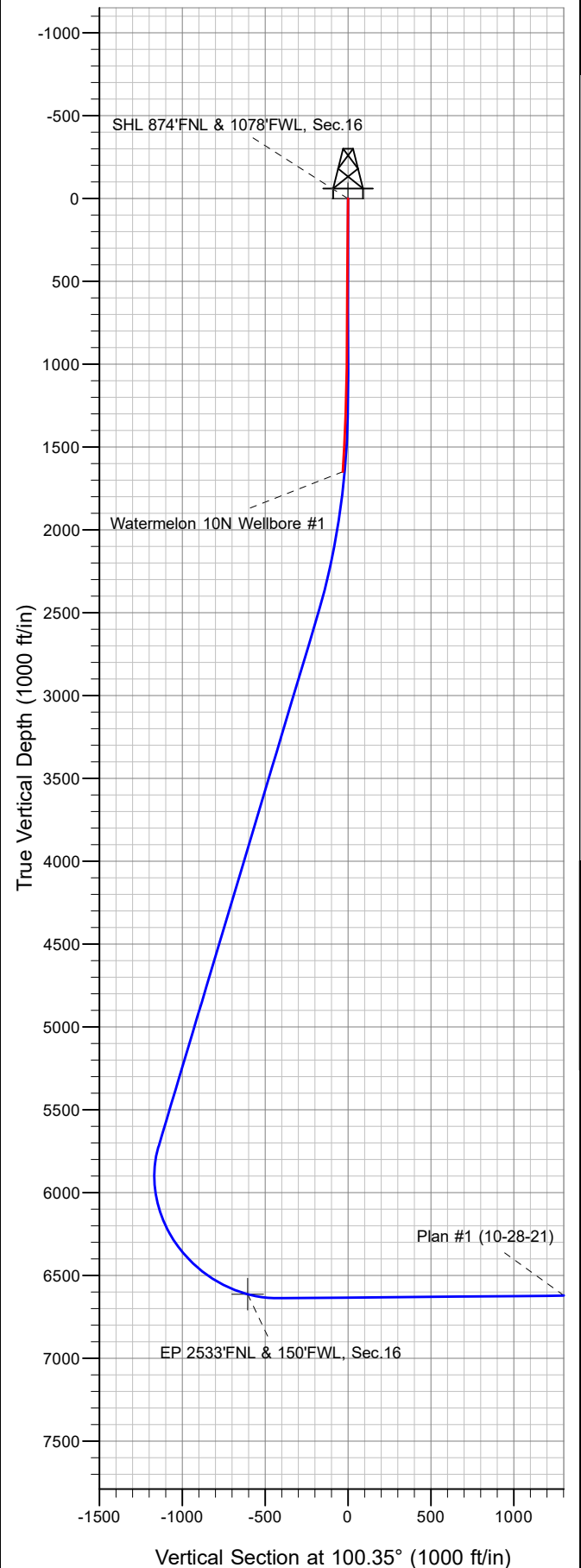


LEGEND

- Watermelon 10N, Watermelon 10N Wellbore #1, Plan #1 (10-28-21) V0
- Watermelon 10N Wellbore #1

Final Survey Plot

Project: SEC.16-T5N-R64W
 Site: Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W
 Well: Watermelon 10N
 Plan: Watermelon 10N Wellbore #1





PDC Energy Inc. DJ Basin

SEC.16-T5N-R64W

Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W

Watermelon 10N

Watermelon 10N Wellbore #1

Design: Watermelon 10N Wellbore #1

Standard Survey Report

10 November, 2021

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 10N
Project:	SEC.16-T5N-R64W	TVD Reference:	WELL @ 4623.0ft (Ensign 122 RKB - 13')
Site:	Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W	MD Reference:	WELL @ 4623.0ft (Ensign 122 RKB - 13')
Well:	Watermelon 10N	North Reference:	True
Wellbore:	Watermelon 10N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 10N Wellbore #1	Database:	US_EDM

Project	SEC.16-T5N-R64W, 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	Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W				
Site Position:		Northing:	1,391,460.11 usft	Latitude:	40.404160
From:	Lat/Long	Easting:	3,261,477.63 usft	Longitude:	-104.561082
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.61 °

Well	Watermelon 10N					
Well Position	+N/-S	0.0 ft	Northing:	1,391,462.23 usft	Latitude:	40.404162
	+E/-W	0.0 ft	Easting:	3,261,612.57 usft	Longitude:	-104.560597
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,610.0 ft

Wellbore	Watermelon 10N Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	10/28/2021	7.73	66.75	51,910.50072708

Design	Watermelon 10N Wellbore #1				
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	100.35	

Survey Program	Date	11/10/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
148.0	1,651.0	Survey #1 (Watermelon 10N 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	
148.0	1.14	321.85	148.0	1.2	-0.9	-1.1	0.77	0.77	0.00	
239.0	1.14	327.48	239.0	2.6	-2.0	-2.4	0.12	0.00	6.19	
331.0	0.35	222.01	331.0	3.2	-2.6	-3.2	1.39	-0.86	-114.64	
447.0	0.70	188.90	447.0	2.2	-3.0	-3.3	0.39	0.30	-28.54	
532.0	0.44	185.97	532.0	1.4	-3.1	-3.3	0.31	-0.31	-3.45	
617.0	0.70	231.85	617.0	0.7	-3.5	-3.6	0.59	0.31	53.98	
703.0	0.70	233.96	702.9	0.1	-4.4	-4.3	0.03	0.00	2.45	
788.0	0.79	225.00	787.9	-0.6	-5.2	-5.0	0.17	0.11	-10.54	
873.0	1.14	233.61	872.9	-1.5	-6.3	-5.9	0.44	0.41	10.13	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 10N
Project:	SEC.16-T5N-R64W	TVD Reference:	WELL @ 4623.0ft (Ensign 122 RKB - 13')
Site:	Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W	MD Reference:	WELL @ 4623.0ft (Ensign 122 RKB - 13')
Well:	Watermelon 10N	North Reference:	True
Wellbore:	Watermelon 10N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 10N Wellbore #1	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)
958.0	0.97	232.03	957.9	-2.5	-7.6	-7.0	0.20	-0.20	-1.86
1,044.0	1.06	228.51	1,043.9	-3.4	-8.7	-8.0	0.13	0.10	-4.09
1,129.0	1.32	251.36	1,128.9	-4.3	-10.2	-9.3	0.63	0.31	26.88
1,214.0	2.46	225.87	1,213.8	-5.9	-12.5	-11.2	1.64	1.34	-29.99
1,297.0	3.25	239.76	1,296.7	-8.3	-15.8	-14.0	1.26	0.95	16.73
1,382.0	2.99	243.98	1,381.6	-10.5	-19.9	-17.7	0.41	-0.31	4.96
1,469.0	4.04	224.64	1,468.4	-13.6	-24.1	-21.2	1.80	1.21	-22.23
1,554.0	5.98	221.66	1,553.1	-19.1	-29.1	-25.2	2.30	2.28	-3.51
1,591.0	6.68	222.89	1,589.9	-22.1	-31.8	-27.4	1.93	1.89	3.32
1,651.0	6.68	222.89	1,649.5	-27.2	-36.6	-31.1	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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