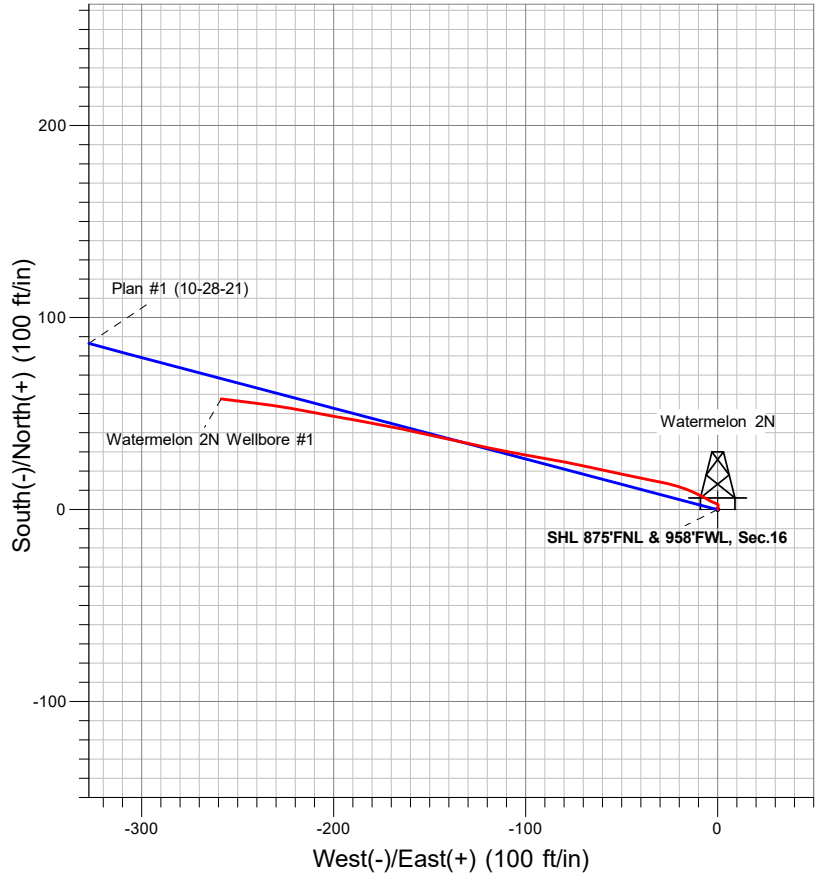


PDC Energy Inc. DJ Basin

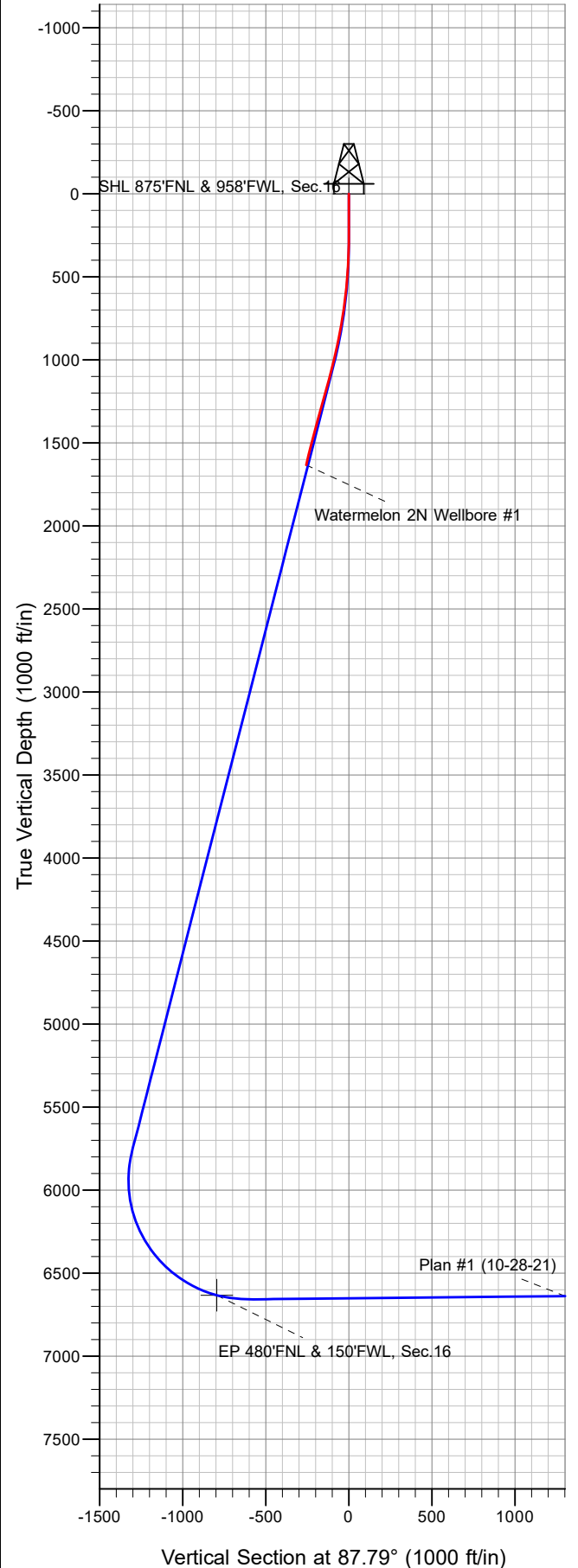


LEGEND

- Watermelon 2N, Watermelon 2N Wellbore #1, Plan #1 (10-28-21) V0
- Watermelon 2N Wellbore #1

Final Survey Plot

Project: SEC.16-T5N-R64W
 Site: Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W
 Well: Watermelon 2N
 Plan: Watermelon 2N Wellbore #1





PDC Energy Inc. DJ Basin

SEC.16-T5N-R64W

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

Watermelon 2N

Watermelon 2N Wellbore #1

Design: Watermelon 2N Wellbore #1

Standard Survey Report

05 November, 2021

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 2N
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 2N	North Reference:	True
Wellbore:	Watermelon 2N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 2N 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 2N					
Well Position	+N/-S	0.0 ft	Northing:	1,391,460.26 usft	Latitude:	40.404160
	+E/-W	0.0 ft	Easting:	3,261,492.55 usft	Longitude:	-104.561028
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,610.0 ft

Wellbore	Watermelon 2N Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	10/28/2021	7.73	66.75	51,910.62753470

Design	Watermelon 2N 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	87.79	

Survey Program	Date	11/05/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
148.0	1,664.0	Survey #1 (Watermelon 2N 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	0.79	8.08	148.0	1.0	0.1	0.2	0.53	0.53	0.00	
239.0	0.70	16.69	239.0	2.2	0.4	0.5	0.16	-0.10	9.46	
331.0	1.67	289.16	331.0	3.1	-0.7	-0.6	1.94	1.05	-95.14	
447.0	3.96	298.47	446.8	5.6	-5.8	-5.6	2.01	1.97	8.03	
532.0	5.80	296.36	531.5	8.9	-12.3	-11.9	2.17	2.16	-2.48	
617.0	7.12	285.64	616.0	12.2	-21.2	-20.7	2.10	1.55	-12.61	
703.0	8.09	281.25	701.2	14.9	-32.3	-31.7	1.31	1.13	-5.10	
788.0	10.38	281.60	785.1	17.6	-45.6	-44.9	2.69	2.69	0.41	
873.0	11.34	282.48	868.6	20.9	-61.3	-60.4	1.15	1.13	1.04	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 2N
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 2N	North Reference:	True
Wellbore:	Watermelon 2N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 2N 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	13.28	281.25	951.6	24.6	-79.0	-78.0	2.30	2.28	-1.45
1,044.0	14.07	279.49	1,035.2	28.3	-99.0	-97.9	1.04	0.92	-2.05
1,129.0	15.21	282.48	1,117.4	32.4	-120.1	-118.8	1.61	1.34	3.52
1,214.0	15.83	281.77	1,199.3	37.2	-142.3	-140.8	0.76	0.73	-0.84
1,297.0	16.44	282.48	1,279.1	42.0	-164.9	-163.1	0.77	0.73	0.86
1,382.0	16.36	279.31	1,360.6	46.5	-188.4	-186.5	1.06	-0.09	-3.73
1,469.0	15.39	281.42	1,444.3	50.8	-211.8	-209.7	1.30	-1.11	2.43
1,554.0	13.72	277.73	1,526.6	54.4	-232.9	-230.6	2.25	-1.96	-4.34
1,604.0	13.54	277.20	1,575.1	55.9	-244.6	-242.2	0.44	-0.36	-1.06
1,664.0	13.54	277.20	1,633.5	57.7	-258.5	-256.1	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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