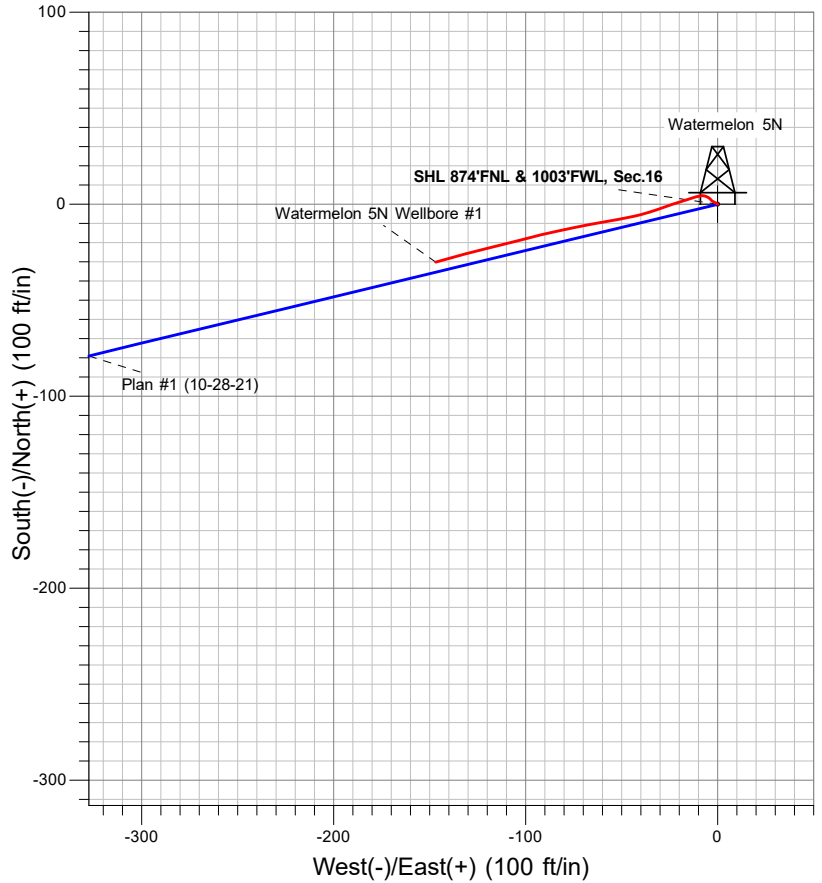


PDC Energy Inc. DJ Basin

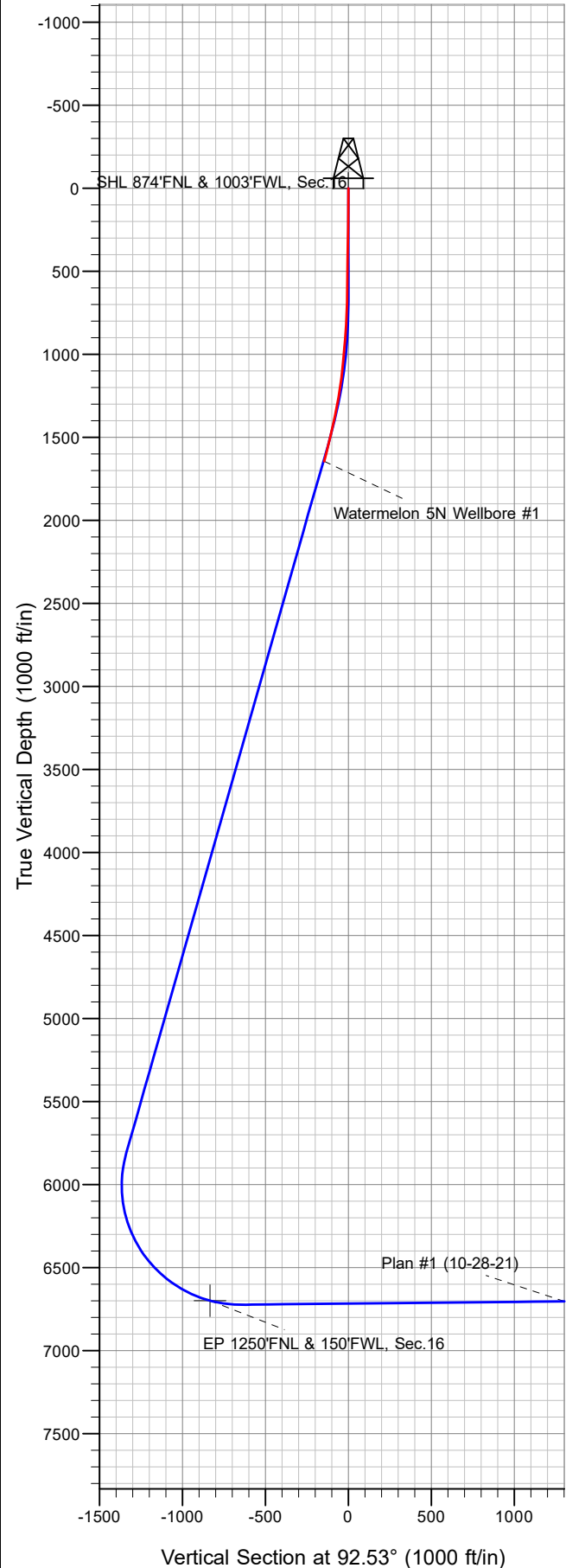


LEGEND

- Watermelon 5N, Watermelon 5N Wellbore #1, Plan #1 (10-28-21) V0
- Watermelon 5N Wellbore #1

Final Survey Plot

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





PDC Energy Inc. DJ Basin

SEC.16-T5N-R64W

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

Watermelon 5N

Watermelon 5N Wellbore #1

Design: Watermelon 5N Wellbore #1

Standard Survey Report

05 November, 2021

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 5N
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 5N	North Reference:	True
Wellbore:	Watermelon 5N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 5N 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 5N					
Well Position	+N/-S	0.0 ft	Northing:	1,391,460.96 usft	Latitude:	40.404160
	+E/-W	0.0 ft	Easting:	3,261,537.66 usft	Longitude:	-104.560866
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,610.0 ft

Wellbore	Watermelon 5N Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	10/28/2021	7.73	66.75	51,910.57986835

Design	Watermelon 5N 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	92.53	

Survey Program	Date	11/05/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
148.0	1,657.0	Survey #1 (Watermelon 5N 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	0.70	309.72	148.0	0.6	-0.7	-0.7	0.47	0.47	0.00	
239.0	0.88	291.09	239.0	1.2	-1.8	-1.8	0.34	0.20	-20.47	
331.0	0.70	305.33	331.0	1.8	-2.9	-3.0	0.29	-0.20	15.48	
447.0	0.79	323.96	447.0	2.8	-3.9	-4.1	0.22	0.08	16.06	
532.0	0.88	296.54	532.0	3.6	-4.9	-5.0	0.48	0.11	-32.26	
617.0	1.14	296.36	616.9	4.3	-6.2	-6.4	0.31	0.31	-0.21	
703.0	1.41	264.90	702.9	4.5	-8.0	-8.2	0.86	0.31	-36.58	
788.0	2.99	254.88	787.9	3.9	-11.2	-11.4	1.91	1.86	-11.79	
873.0	4.75	251.54	872.7	2.2	-16.7	-16.8	2.09	2.07	-3.93	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 5N
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 5N	North Reference:	True
Wellbore:	Watermelon 5N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 5N 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	5.36	252.24	957.3	-0.2	-23.8	-23.8	0.72	0.72	0.82
1,044.0	5.45	250.13	1,043.0	-2.8	-31.5	-31.3	0.25	0.10	-2.45
1,129.0	6.86	255.58	1,127.5	-5.4	-40.2	-39.9	1.79	1.66	6.41
1,214.0	8.97	259.98	1,211.6	-7.8	-51.6	-51.2	2.58	2.48	5.18
1,297.0	10.82	259.27	1,293.4	-10.4	-65.7	-65.1	2.23	2.23	-0.86
1,382.0	12.49	258.04	1,376.7	-13.8	-82.5	-81.8	1.99	1.96	-1.45
1,469.0	13.54	255.41	1,461.4	-18.3	-101.6	-100.6	1.39	1.21	-3.02
1,554.0	14.16	256.28	1,543.9	-23.3	-121.3	-120.1	0.77	0.73	1.02
1,597.0	15.04	254.70	1,585.6	-26.0	-131.8	-130.5	2.25	2.05	-3.67
1,657.0	15.04	254.70	1,643.5	-30.1	-146.8	-145.3	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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