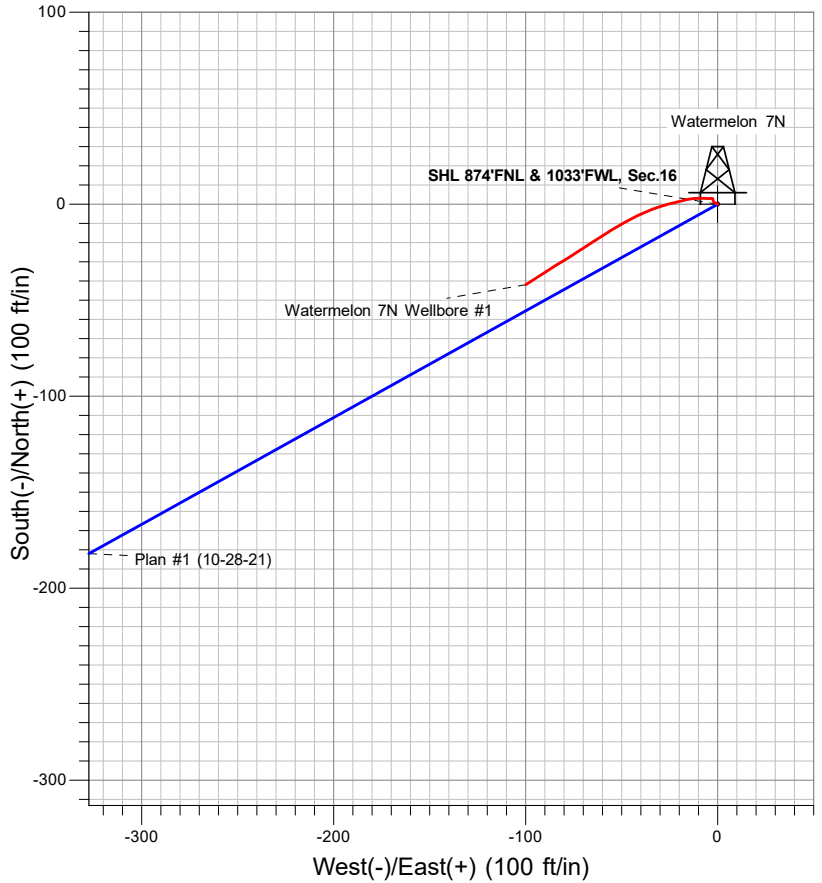


PDC Energy Inc. DJ Basin

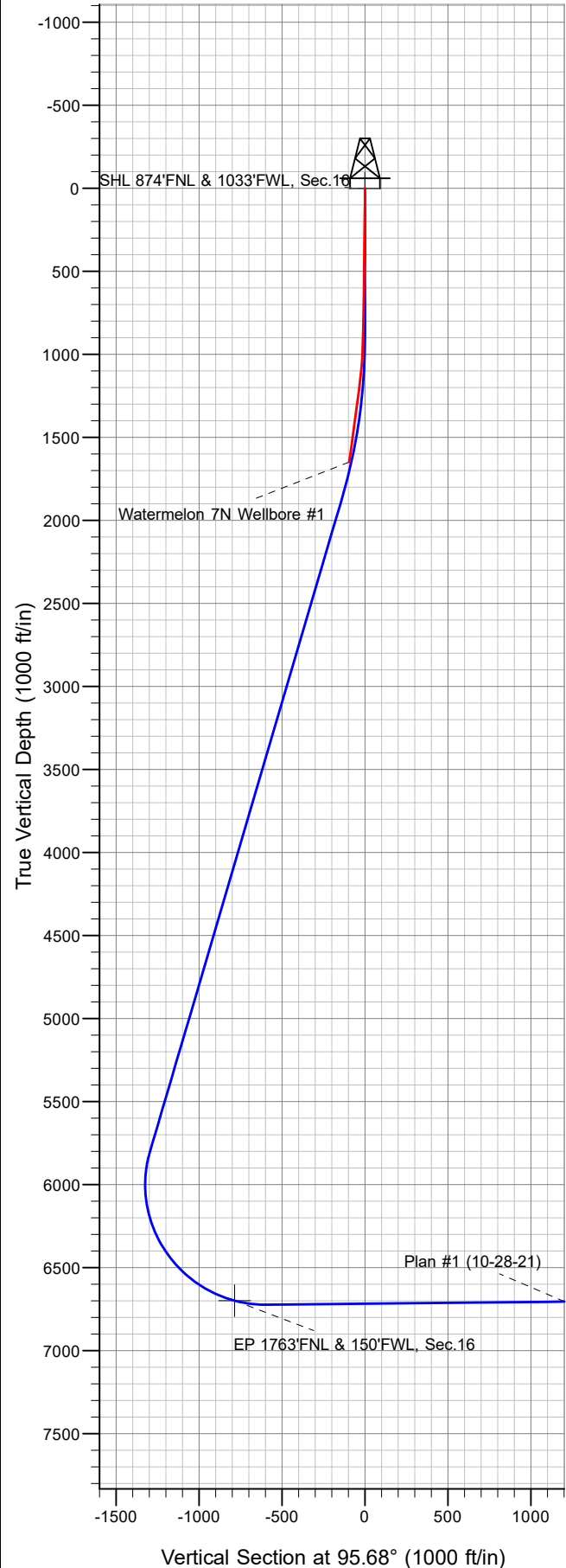


LEGEND

- Watermelon 7N, Watermelon 7N Wellbore #1, Plan #1 (10-28-21) V0
- Watermelon 7N Wellbore #1

Final Survey Plot

Project: SEC.16-T5N-R64W
 Site: Watermelon 5N64W16 1-10 Pad Sec.16-T5N-R64W
 Well: Watermelon 7N
 Plan: Watermelon 7N Wellbore #1





PDC Energy Inc. DJ Basin

SEC.16-T5N-R64W

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

Watermelon 7N

Watermelon 7N Wellbore #1

Design: Watermelon 7N Wellbore #1

Standard Survey Report

05 November, 2021

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 7N
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 7N	North Reference:	True
Wellbore:	Watermelon 7N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 7N 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 7N					
Well Position	+N/-S	0.0 ft	Northing:	1,391,461.53 usft	Latitude:	40.404161
	+E/-W	0.0 ft	Easting:	3,261,567.54 usft	Longitude:	-104.560759
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,610.0 ft

Wellbore	Watermelon 7N Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	10/28/2021	7.73	66.75	51,910.54830793

Design	Watermelon 7N 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	95.68	

Survey Program	Date	11/05/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.0	1,657.0	Survey #1 (Watermelon 7N 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	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
148.0	1.23	298.47	148.0	0.2	-0.5	-0.5	2.56	2.56	0.00	
239.0	1.14	307.96	239.0	1.3	-2.0	-2.1	0.24	-0.10	10.43	
331.0	0.79	23.94	331.0	2.4	-2.5	-2.7	1.33	-0.38	82.59	
447.0	1.06	263.32	447.0	3.0	-3.2	-3.5	1.39	0.23	-103.98	
532.0	1.06	273.69	531.9	3.0	-4.8	-5.1	0.23	0.00	12.20	
617.0	0.88	272.81	616.9	3.1	-6.2	-6.5	0.21	-0.21	-1.04	
703.0	0.97	266.30	702.9	3.0	-7.6	-7.9	0.16	0.10	-7.57	
788.0	1.06	281.42	787.9	3.2	-9.1	-9.4	0.33	0.11	17.79	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Watermelon 7N
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 7N	North Reference:	True
Wellbore:	Watermelon 7N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Watermelon 7N 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)
873.0	0.97	266.48	872.9	3.3	-10.6	-10.9	0.33	-0.11	-17.58
958.0	2.20	257.52	957.9	2.9	-12.9	-13.1	1.47	1.45	-10.54
1,044.0	4.48	259.52	1,043.7	1.9	-17.8	-17.9	2.65	2.65	2.33
1,129.0	6.51	254.88	1,128.3	0.0	-25.7	-25.6	2.44	2.39	-5.46
1,214.0	8.18	248.73	1,212.6	-3.4	-36.0	-35.5	2.17	1.96	-7.24
1,297.0	9.50	239.94	1,294.6	-9.0	-47.5	-46.3	2.27	1.59	-10.59
1,382.0	10.20	238.00	1,378.4	-16.5	-59.9	-58.0	0.91	0.82	-2.28
1,469.0	9.23	237.65	1,464.1	-24.3	-72.3	-69.6	1.12	-1.11	-0.40
1,554.0	9.67	237.65	1,548.0	-31.8	-84.1	-80.6	0.52	0.52	0.00
1,597.0	10.64	237.12	1,590.3	-35.9	-90.5	-86.5	2.27	2.26	-1.23
1,657.0	10.64	237.12	1,649.3	-41.9	-99.8	-95.2	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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