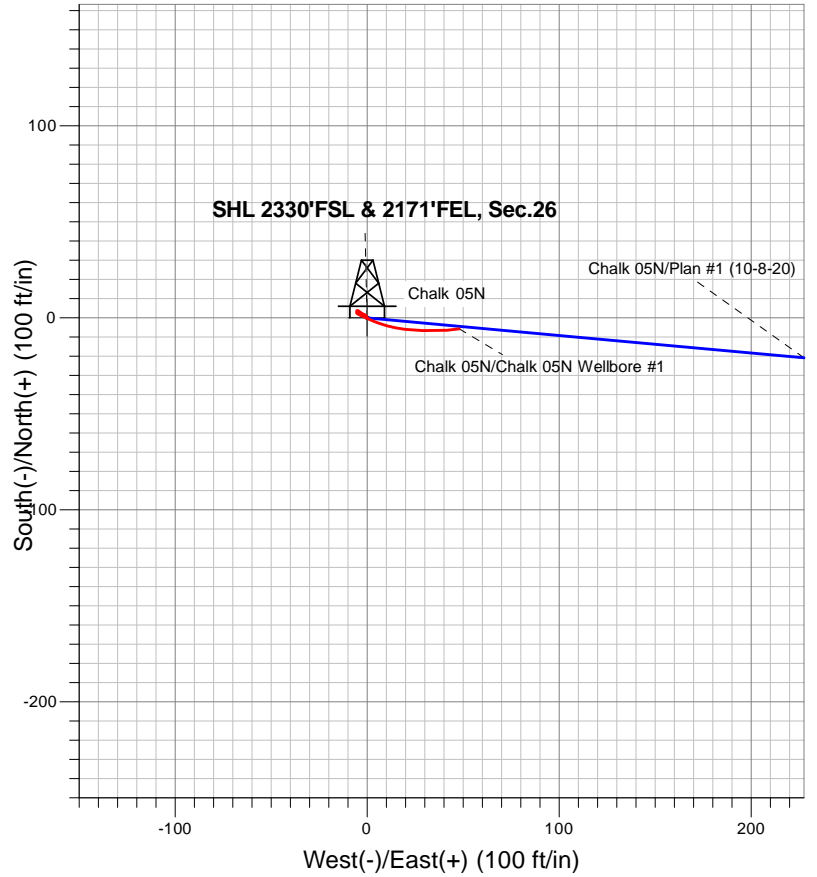


PDC Energy Inc. DJ Basin

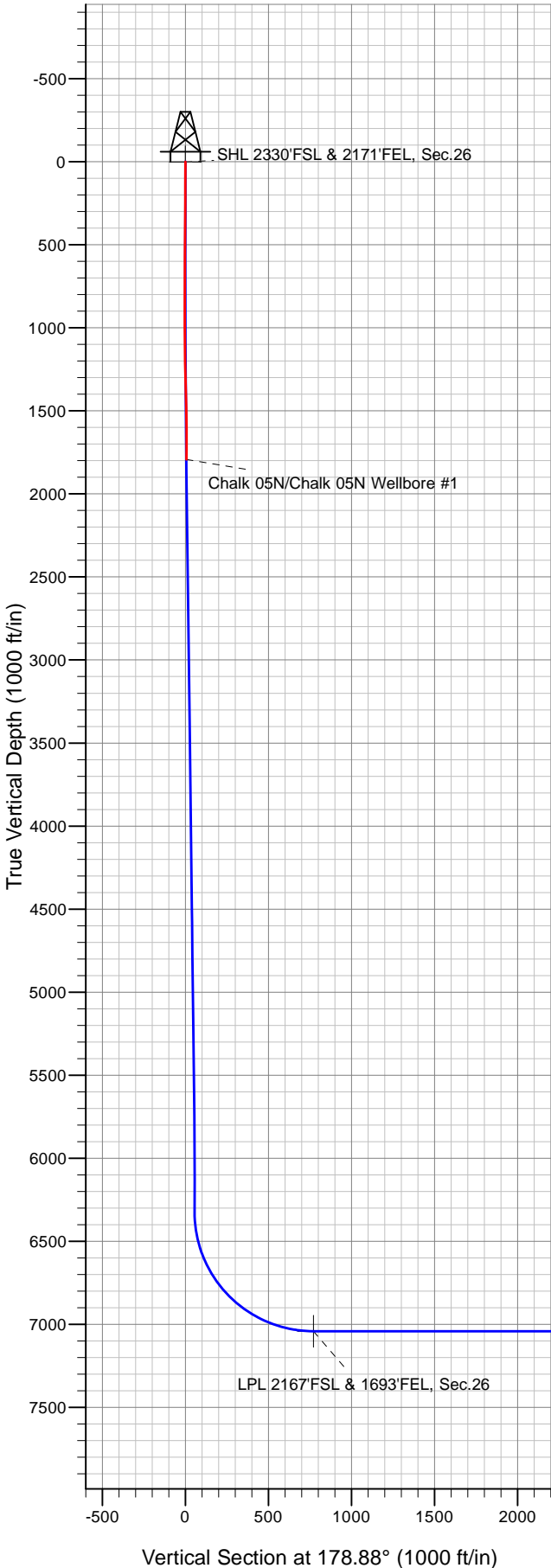


LEGEND

- Chalk 05N, Chalk 05N Wellbore #1, Plan #1 (10-8-20) V0
- Chalk 05N Wellbore #1

Final Survey Plot

Project: SEC.26-T6N-R66W
 Site: Chalk 6N66W26 Pad Sec.26-T6N-R66W
 Well: Chalk 05N
 Plan: Chalk 05N Wellbore #1





PDC Energy Inc. DJ Basin

SEC.26-T6N-R66W

Chalk 6N66W26 Pad Sec.26-T6N-R66W

Chalk 05N

Chalk 05N Wellbore #1

Design: Chalk 05N Wellbore #1

Standard Survey Report

29 December, 2020

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Chalk 05N
Project:	SEC.26-T6N-R66W	TVD Reference:	WELL @ 4709.0ft (Ensign 122 RKB - 13')
Site:	Chalk 6N66W26 Pad Sec.26-T6N-R66W	MD Reference:	WELL @ 4709.0ft (Ensign 122 RKB - 13')
Well:	Chalk 05N	North Reference:	True
Wellbore:	Chalk 05N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Chalk 05N Wellbore #1	Database:	US_EDM

Project	SEC.26-T6N-R66W, Weld County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site		Chalk 6N66W26 Pad Sec.26-T6N-R66W			
Site Position:		Northing:	1,411,386.54 usft	Latitude:	40.460184
From:	Lat/Long	Easting:	3,210,881.08 usft	Longitude:	-104.742143
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.49 °

Well	Chalk 05N					
Well Position	+N/-S	0.0 ft	Northing:	1,411,386.79 usft	Latitude:	40.460188
	+E/-W	0.0 ft	Easting:	3,210,740.82 usft	Longitude:	-104.742647
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,696.0 ft

Wellbore	Chalk 05N Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/08/2020	7.93	66.80	52,092

Design	Chalk 05N 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	178.88	

Survey Program	Date	12/29/2020			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
146.0	1,795.0	Survey #1 (Chalk 05N 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	
146.0	0.35	345.78	146.0	0.4	-0.1	-0.4	0.24	0.24	0.00	
236.0	0.35	320.12	236.0	0.9	-0.4	-0.9	0.17	0.00	-28.51	
360.0	0.35	305.35	360.0	1.4	-0.9	-1.4	0.07	0.00	-11.91	
449.0	0.35	299.55	449.0	1.7	-1.4	-1.7	0.04	0.00	-6.52	
539.0	0.53	286.37	539.0	2.0	-2.0	-2.0	0.23	0.20	-14.64	
629.0	0.70	307.11	629.0	2.4	-2.8	-2.5	0.31	0.19	23.04	
718.0	0.70	306.93	718.0	3.1	-3.7	-3.1	0.00	0.00	-0.20	
807.0	0.88	301.31	807.0	3.7	-4.7	-3.8	0.22	0.20	-6.31	
896.0	0.44	192.32	896.0	3.8	-5.4	-3.9	1.24	-0.49	-122.46	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Chalk 05N
Project:	SEC.26-T6N-R66W	TVD Reference:	WELL @ 4709.0ft (Ensign 122 RKB - 13')
Site:	Chalk 6N66W26 Pad Sec.26-T6N-R66W	MD Reference:	WELL @ 4709.0ft (Ensign 122 RKB - 13')
Well:	Chalk 05N	North Reference:	True
Wellbore:	Chalk 05N Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Chalk 05N 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)	
985.0	0.44	180.90	985.0	3.1	-5.5	-3.2	0.10	0.00	-12.83	
1,075.0	0.35	177.21	1,075.0	2.5	-5.5	-2.6	0.10	-0.10	-4.10	
1,164.0	1.14	115.86	1,164.0	1.8	-4.6	-1.9	1.15	0.89	-68.93	
1,254.0	2.37	113.93	1,253.9	0.7	-2.1	-0.7	1.37	1.37	-2.14	
1,343.0	4.40	113.93	1,342.8	-1.5	2.7	1.5	2.28	2.28	0.00	
1,432.0	6.07	106.56	1,431.4	-4.2	10.3	4.4	2.02	1.88	-8.28	
1,521.0	6.33	94.77	1,519.9	-5.9	19.7	6.3	1.46	0.29	-13.25	
1,611.0	5.53	94.59	1,609.4	-6.7	29.0	7.3	0.89	-0.89	-0.20	
1,735.0	6.16	83.87	1,732.7	-6.5	41.5	7.3	1.01	0.51	-8.65	
1,795.0	6.16	83.87	1,792.4	-5.8	47.9	6.7	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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