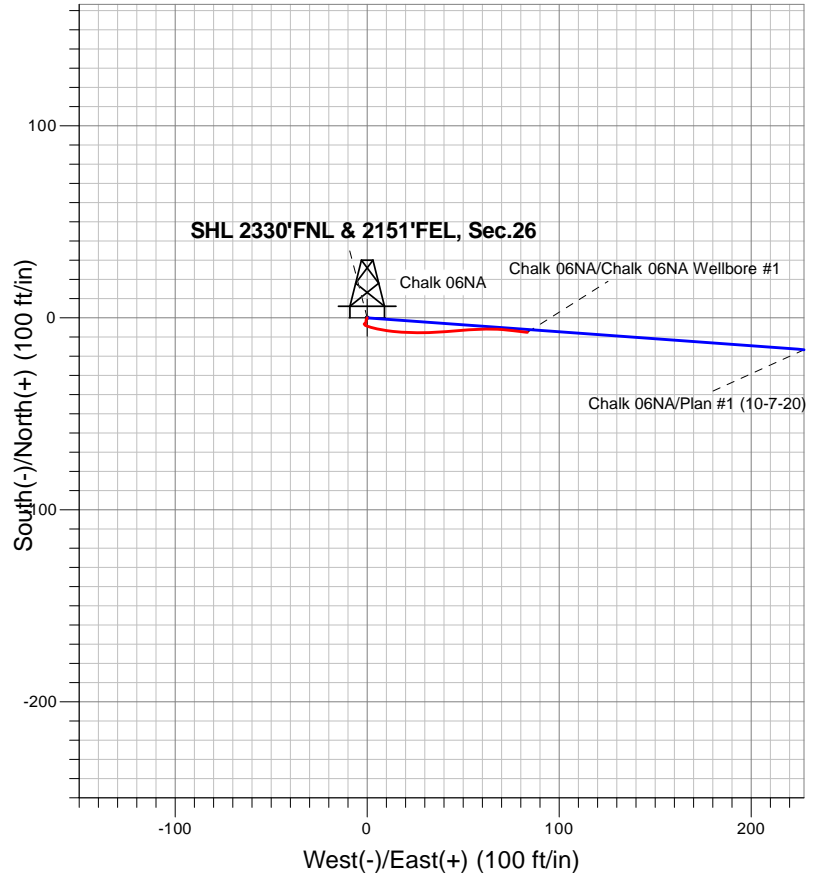


PDC Energy Inc. DJ Basin

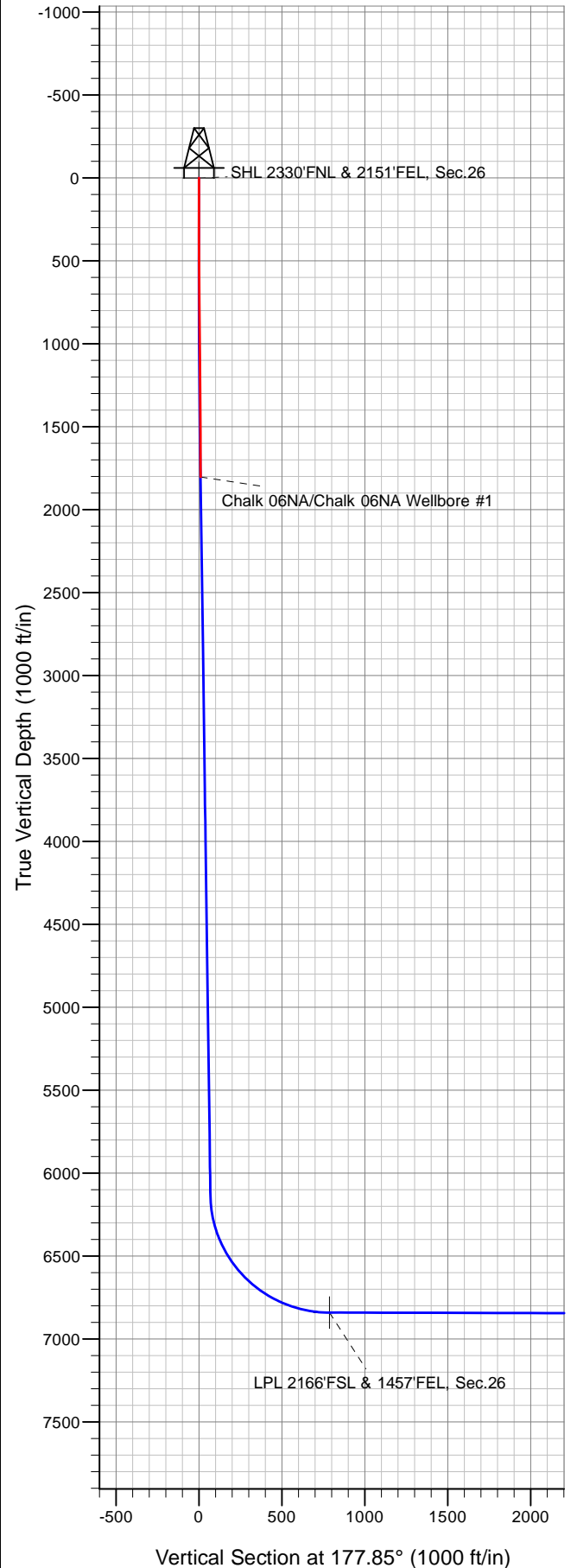


LEGEND

- Chalk 06NA, Chalk 06NA Wellbore #1, Plan #1 (10-7-20) V0
- Chalk 06NA Wellbore #1

Final Survey Plot

Project: SEC.26-T6N-R66W
 Site: Chalk 6N66W26 Pad Sec.26-T6N-R66W
 Well: Chalk 06NA
 Plan: Chalk 06NA Wellbore #1





PDC Energy Inc. DJ Basin

SEC.26-T6N-R66W

Chalk 6N66W26 Pad Sec.26-T6N-R66W

Chalk 06NA

Chalk 06NA Wellbore #1

Design: Chalk 06NA Wellbore #1

Standard Survey Report

05 January, 2021

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Chalk 06NA
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 06NA	North Reference:	True
Wellbore:	Chalk 06NA Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Chalk 06NA 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 06NA					
Well Position	+N/-S	0.0 ft	Northing:	1,411,386.58 usft	Latitude:	40.460187
	+E/-W	0.0 ft	Easting:	3,210,760.86 usft	Longitude:	-104.742575
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,696.0 ft

Wellbore	Chalk 06NA Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/07/2020	7.93	66.80	52,092

Design	Chalk 06NA 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	177.85	

Survey Program	Date	01/05/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
146.0	1,808.0	Survey #1 (Chalk 06NA 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	0.26	205.51	146.0	-0.3	-0.1	0.3	0.18	0.18	0.00	
236.0	0.26	193.03	236.0	-0.7	-0.3	0.7	0.06	0.00	-13.87	
360.0	0.09	264.39	360.0	-1.0	-0.4	0.9	0.20	-0.14	57.55	
449.0	0.35	192.50	449.0	-1.2	-0.6	1.2	0.37	0.29	-80.78	
539.0	0.26	166.48	539.0	-1.7	-0.6	1.7	0.18	-0.10	-28.91	
629.0	0.35	196.89	629.0	-2.2	-0.6	2.1	0.20	0.10	33.79	
718.0	0.26	212.19	718.0	-2.6	-0.8	2.6	0.14	-0.10	17.19	
807.0	0.26	235.74	807.0	-2.9	-1.1	2.8	0.12	0.00	26.46	
896.0	0.44	231.88	896.0	-3.2	-1.5	3.1	0.20	0.20	-4.34	

Company:	PDC Energy Inc. DJ Basin	Local Co-ordinate Reference:	Well Chalk 06NA
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 06NA	North Reference:	True
Wellbore:	Chalk 06NA Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Chalk 06NA 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	1.41	118.50	985.0	-3.9	-0.8	3.9	1.84	1.09	-127.39	
1,075.0	3.17	104.79	1,074.9	-5.1	2.6	5.2	2.03	1.96	-15.23	
1,164.0	5.28	100.39	1,163.7	-6.5	9.0	6.8	2.40	2.37	-4.94	
1,254.0	6.24	92.83	1,253.2	-7.5	17.9	8.1	1.36	1.07	-8.40	
1,343.0	7.39	89.49	1,341.6	-7.6	28.5	8.7	1.37	1.29	-3.75	
1,432.0	7.21	87.21	1,429.9	-7.3	39.8	8.8	0.38	-0.20	-2.56	
1,522.0	6.51	83.69	1,519.2	-6.5	50.5	8.4	0.91	-0.78	-3.91	
1,611.0	6.51	88.97	1,607.6	-5.8	60.6	8.1	0.67	0.00	5.93	
1,700.0	6.77	94.59	1,696.0	-6.2	70.8	8.8	0.79	0.29	6.31	
1,748.0	6.77	96.88	1,743.7	-6.7	76.5	9.6	0.56	0.00	4.77	
1,808.0	6.77	96.88	1,803.3	-7.6	83.5	10.7	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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