



PDC Energy, Inc.
Project: Weld Co., CO
Site: Sec.27-T5N-R64W
Well: Chestnut 27G-203
Wellbore: Wellbore #1
Design: Design #2
Lat: 40° 22' 16.788 N
Long: 104° 32' 36.960 W
Pad GL: 4619.00
KB: WELL @ 4634.00usft (Original Well Elev)

PROJECT DETAILS: Weld Co., CO

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

System Datum: Mean Sea Level

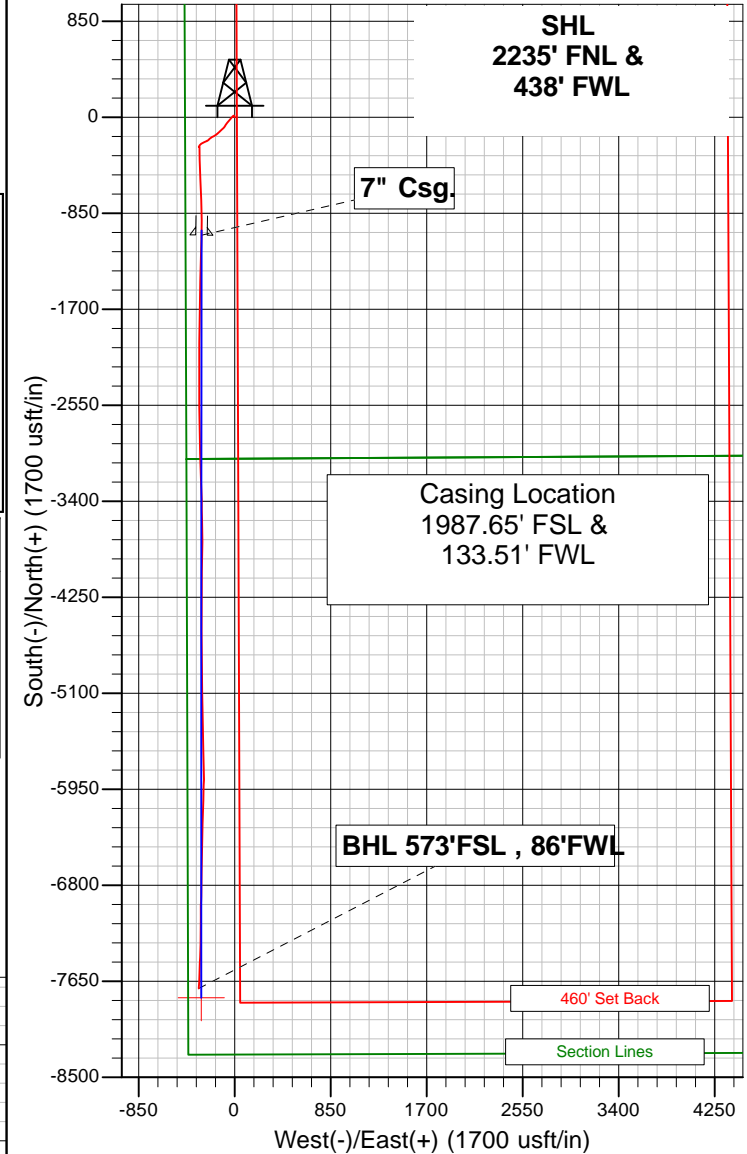
Projected Bottom Hole Location
13769'MD 6591.86'TVD 7713.13'S & 317.21'W OF SHL
90.0 degree Incl @ 182.90 degree AZM

CASING DETAILS

TVD	MD	Name
6623.39	7096.00	7" Csg.

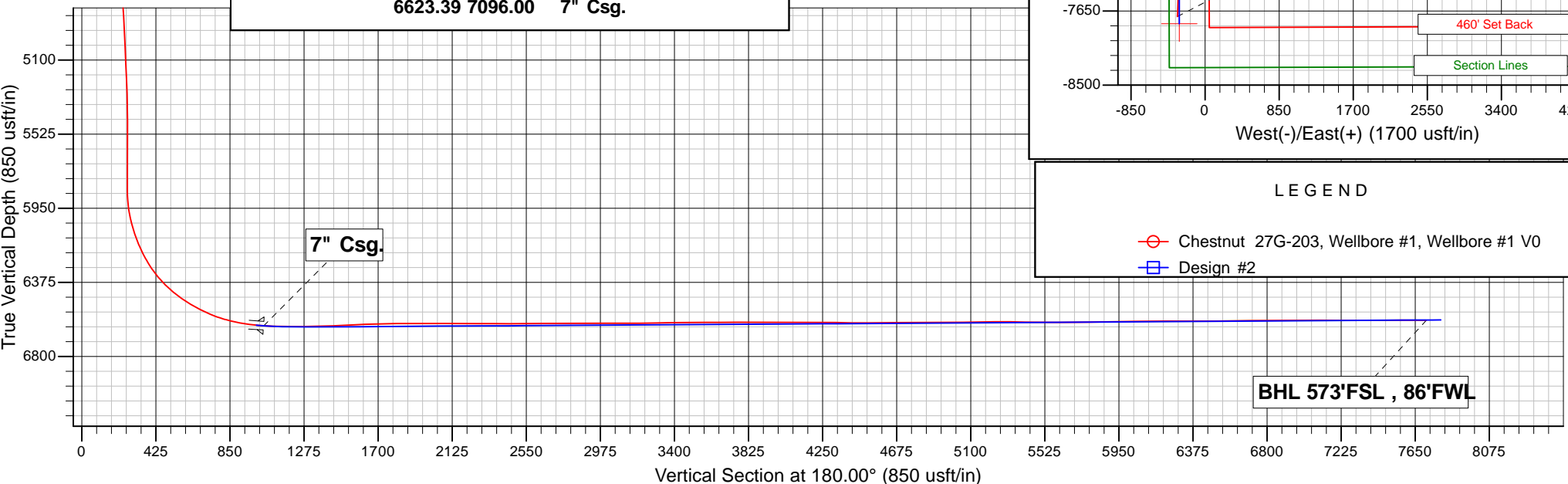
7" Csg.

BHL 573'FSL , 86'FWL



LEGEND

- Chestnut 27G-203, Wellbore #1, Wellbore #1 V0
- Design #2





PDC Energy, Inc.

Weld Co., CO

Sec.27-T5N-R64W

Chestnut 27G-203

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 October, 2014

Archer



Company:	PDC Energy, Inc.	Local Co-ordinate Reference:	Well Chestnut 27G-203
Project:	Weld Co., CO	TVD Reference:	WELL @ 4634.00usft (Original Well Elev)
Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4634.00usft (Original Well Elev)
Well:	Chestnut 27G-203	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Project	Weld Co., CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec.27-T5N-R64W			
Site Position:		Northing:	1,379,023.488 usft	Latitude:	40° 22' 11.496 N
From:	Lat/Long	Easting:	3,267,026.653 usft	Longitude:	104° 32' 29.904 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.62 °

Well	Chestnut 27G-203					
Well Position	+N/-S	0.00 usft	Northing:	1,379,553.066 usft	Latitude:	40° 22' 16.788 N
	+E/-W	0.00 usft	Easting:	3,266,474.786 usft	Longitude:	104° 32' 36.960 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,619.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/09/14	8.31	66.95	52,800

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00		0.00	0.00	180.00

Survey Program	Date	10/19/14		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
74.00	13,769.00	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First Archer Survey									
74.00	0.50	334.50	74.00	0.29	-0.14	-0.29	0.68	0.68	0.00
168.00	0.50	313.60	168.00	0.94	-0.61	-0.94	0.19	0.00	-22.23
259.00	0.50	339.30	258.99	1.59	-1.04	-1.59	0.24	0.00	28.24
349.00	0.60	322.50	348.99	2.33	-1.47	-2.33	0.21	0.11	-18.67
441.00	0.40	9.80	440.98	3.03	-1.70	-3.03	0.48	-0.22	51.41
532.00	0.70	8.90	531.98	3.89	-1.56	-3.89	0.33	0.33	-0.99
623.00	0.70	4.30	622.97	5.00	-1.44	-5.00	0.06	0.00	-5.05
714.00	0.50	24.70	713.97	5.91	-1.23	-5.91	0.32	-0.22	22.42
805.00	0.60	1.10	804.96	6.75	-1.05	-6.75	0.27	0.11	-25.93
898.00	0.70	356.90	897.96	7.80	-1.08	-7.80	0.12	0.11	-4.52
1,032.00	0.50	338.30	1,031.95	9.16	-1.34	-9.16	0.21	-0.15	-13.88

Company:	PDC Energy, Inc.	Local Co-ordinate Reference:	Well Chestnut 27G-203
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Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4634.00usft (Original Well Elev)
Well:	Chestnut 27G-203	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,123.00	0.70	336.70	1,122.95	10.04	-1.70	-10.04	0.22	0.22	-1.76	
1,190.00	1.00	333.80	1,189.94	10.94	-2.12	-10.94	0.45	0.45	-4.33	
1,284.00	0.90	308.90	1,283.93	12.14	-3.06	-12.14	0.45	-0.11	-26.49	
1,377.00	0.90	312.60	1,376.92	13.09	-4.17	-13.09	0.06	0.00	3.98	
1,471.00	1.00	297.10	1,470.90	13.97	-5.44	-13.97	0.29	0.11	-16.49	
1,564.00	1.10	288.30	1,563.89	14.62	-7.01	-14.62	0.20	0.11	-9.46	
1,658.00	4.90	232.90	1,657.75	12.48	-11.07	-12.48	4.65	4.04	-58.94	
1,751.00	8.00	226.10	1,750.15	5.59	-18.90	-5.59	3.43	3.33	-7.31	
1,845.00	7.70	220.70	1,843.27	-3.72	-27.72	3.72	0.85	-0.32	-5.74	
1,938.00	7.40	215.50	1,935.47	-13.32	-35.26	13.32	0.80	-0.32	-5.59	
2,032.00	7.70	224.70	2,028.66	-22.72	-43.21	22.72	1.32	0.32	9.79	
2,125.00	7.00	220.50	2,120.89	-31.46	-51.27	31.46	0.95	-0.75	-4.52	
2,219.00	8.10	223.00	2,214.08	-40.66	-59.51	40.66	1.22	1.17	2.66	
2,312.00	7.40	219.90	2,306.23	-50.04	-67.82	50.04	0.88	-0.75	-3.33	
2,406.00	7.30	215.60	2,399.46	-59.54	-75.18	59.54	0.59	-0.11	-4.57	
2,499.00	6.60	206.40	2,491.77	-69.14	-80.99	69.14	1.41	-0.75	-9.89	
2,593.00	7.60	207.60	2,585.05	-79.48	-86.28	79.48	1.08	1.06	1.28	
2,686.00	8.40	221.60	2,677.16	-90.01	-93.64	90.01	2.26	0.86	15.05	
2,780.00	8.20	229.80	2,770.17	-99.48	-103.31	99.48	1.28	-0.21	8.72	
2,873.00	8.00	227.10	2,862.25	-108.16	-113.12	108.16	0.46	-0.22	-2.90	
2,967.00	7.50	228.10	2,955.39	-116.71	-122.48	116.71	0.55	-0.53	1.06	
3,060.00	6.20	221.00	3,047.72	-124.56	-130.29	124.56	1.67	-1.40	-7.63	
3,154.00	5.40	224.20	3,141.24	-131.56	-136.71	131.56	0.92	-0.85	3.40	
3,247.00	5.50	233.20	3,233.82	-137.36	-143.33	137.36	0.92	0.11	9.68	
3,341.00	6.70	231.60	3,327.29	-143.47	-151.23	143.47	1.29	1.28	-1.70	
3,435.00	5.50	226.30	3,420.76	-149.99	-158.78	149.99	1.41	-1.28	-5.64	
3,525.00	5.80	234.80	3,510.32	-155.59	-165.62	155.59	0.99	0.33	9.44	
3,615.00	8.30	240.20	3,599.63	-161.44	-174.97	161.44	2.87	2.78	6.00	
3,705.00	8.60	240.20	3,688.66	-168.01	-186.45	168.01	0.33	0.33	0.00	
3,795.00	8.70	238.90	3,777.63	-174.87	-198.12	174.87	0.24	0.11	-1.44	
3,885.00	7.90	236.40	3,866.69	-181.81	-209.10	181.81	0.97	-0.89	-2.78	
3,975.00	6.80	231.80	3,955.95	-188.53	-218.44	188.53	1.39	-1.22	-5.11	
4,065.00	6.00	223.00	4,045.39	-195.26	-225.83	195.26	1.40	-0.89	-9.78	
4,155.00	6.00	234.20	4,134.90	-201.46	-232.86	201.46	1.30	0.00	12.44	
4,245.00	7.40	242.90	4,224.29	-206.85	-241.83	206.85	1.92	1.56	9.67	
4,335.00	6.40	241.70	4,313.63	-211.87	-251.41	211.87	1.12	-1.11	-1.33	
4,424.00	7.10	244.60	4,402.02	-216.58	-260.74	216.58	0.87	0.79	3.26	
4,514.00	6.00	247.40	4,491.43	-220.77	-270.11	220.77	1.27	-1.22	3.11	
4,605.00	7.20	248.10	4,581.82	-224.73	-279.79	224.73	1.32	1.32	0.77	
4,694.00	6.00	237.20	4,670.23	-229.33	-288.88	229.33	1.94	-1.35	-12.25	
4,784.00	4.80	229.10	4,759.83	-234.34	-295.68	234.34	1.58	-1.33	-9.00	
4,875.00	4.30	227.20	4,850.55	-239.15	-301.06	239.15	0.57	-0.55	-2.09	
4,965.00	4.10	226.50	4,940.31	-243.66	-305.87	243.66	0.23	-0.22	-0.78	
5,055.00	3.30	220.20	5,030.12	-247.85	-309.88	247.85	1.00	-0.89	-7.00	
5,145.00	2.70	211.10	5,119.99	-251.65	-312.64	251.65	0.85	-0.67	-10.11	
5,235.00	2.40	198.60	5,209.91	-255.25	-314.34	255.25	0.70	-0.33	-13.89	
5,325.00	2.00	195.80	5,299.84	-258.54	-315.37	258.54	0.46	-0.44	-3.11	
5,415.00	1.50	192.80	5,389.80	-261.20	-316.06	261.20	0.56	-0.56	-3.33	
5,505.00	0.90	63.50	5,479.79	-262.04	-315.68	262.04	2.43	-0.67	-143.67	
5,595.00	0.90	68.40	5,569.78	-261.46	-314.39	261.46	0.09	0.00	5.44	
5,685.00	0.70	67.40	5,659.77	-260.99	-313.23	260.99	0.22	-0.22	-1.11	
5,774.00	0.70	65.30	5,748.76	-260.55	-312.23	260.55	0.03	0.00	-2.36	
5,865.00	0.60	84.50	5,839.75	-260.28	-311.25	260.28	0.26	-0.11	21.10	
5,909.00	2.90	176.40	5,883.74	-261.37	-310.95	261.37	6.77	5.23	208.86	

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Well:	Chestnut 27G-203	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,954.00	6.40	178.60	5,928.58	-265.01	-310.82	265.01	7.79	7.78	4.89
5,999.00	10.10	177.70	5,973.11	-271.46	-310.60	271.46	8.23	8.22	-2.00
6,044.00	13.10	177.90	6,017.18	-280.50	-310.26	280.50	6.67	6.67	0.44
6,090.00	16.00	179.50	6,061.70	-292.05	-310.01	292.05	6.36	6.30	3.48
6,135.00	19.00	179.00	6,104.62	-305.58	-309.83	305.58	6.67	6.67	-1.11
6,180.00	22.30	180.00	6,146.72	-321.45	-309.70	321.45	7.37	7.33	2.22
6,225.00	25.20	179.70	6,187.90	-339.57	-309.65	339.57	6.45	6.44	-0.67
6,270.00	28.40	179.60	6,228.06	-359.86	-309.53	359.86	7.11	7.11	-0.22
6,315.00	31.50	179.30	6,267.05	-382.32	-309.31	382.32	6.90	6.89	-0.67
6,360.00	35.30	178.40	6,304.61	-407.08	-308.80	407.08	8.52	8.44	-2.00
6,405.00	39.30	178.20	6,340.40	-434.33	-307.99	434.33	8.89	8.89	-0.44
6,450.00	43.30	177.90	6,374.20	-464.01	-306.98	464.01	8.90	8.89	-0.67
6,495.00	47.50	176.40	6,405.79	-496.00	-305.37	496.00	9.63	9.33	-3.33
6,540.00	51.10	176.80	6,435.13	-530.05	-303.35	530.05	8.03	8.00	0.89
6,585.00	54.30	177.50	6,462.40	-565.80	-301.57	565.80	7.22	7.11	1.56
6,630.00	57.80	178.60	6,487.53	-603.10	-300.31	603.10	8.04	7.78	2.44
6,675.00	60.70	178.50	6,510.53	-641.76	-299.33	641.76	6.45	6.44	-0.22
6,720.00	62.80	177.40	6,531.83	-681.37	-297.91	681.37	5.14	4.67	-2.44
6,765.00	66.20	177.10	6,551.20	-721.93	-295.96	721.93	7.58	7.56	-0.67
6,810.00	69.80	177.30	6,568.05	-763.60	-293.92	763.60	8.01	8.00	0.44
6,855.00	72.40	178.60	6,582.63	-806.14	-292.40	806.14	6.39	5.78	2.89
6,900.00	75.90	179.10	6,594.92	-849.41	-291.54	849.41	7.85	7.78	1.11
6,945.00	79.10	180.00	6,604.66	-893.34	-291.19	893.34	7.37	7.11	2.00
6,990.00	81.40	180.40	6,612.28	-937.69	-291.35	937.69	5.19	5.11	0.89
7,035.00	83.40	180.60	6,618.23	-982.29	-291.74	982.29	4.47	4.44	0.44
7,053.00	85.10	180.90	6,620.03	-1,000.19	-291.97	1,000.19	9.59	9.44	1.67
7,136.00	87.80	181.60	6,625.17	-1,083.01	-293.78	1,083.01	3.36	3.25	0.84
7,226.00	89.00	182.10	6,627.68	-1,172.92	-296.69	1,172.92	1.44	1.33	0.56
7,315.00	90.60	181.70	6,627.99	-1,261.87	-299.64	1,261.87	1.85	1.80	-0.45
7,405.00	91.30	181.20	6,626.50	-1,351.83	-301.91	1,351.83	0.96	0.78	-0.56
7,495.00	92.30	181.30	6,623.68	-1,441.76	-303.88	1,441.76	1.12	1.11	0.11
7,585.00	93.00	181.60	6,619.51	-1,531.64	-306.15	1,531.64	0.85	0.78	0.33
7,675.00	92.80	181.30	6,614.96	-1,621.49	-308.43	1,621.49	0.40	-0.22	-0.33
7,765.00	91.40	180.80	6,611.66	-1,711.41	-310.07	1,711.41	1.65	-1.56	-0.56
7,855.00	89.90	180.00	6,610.64	-1,801.40	-310.70	1,801.40	1.89	-1.67	-0.89
7,945.00	90.20	180.10	6,610.56	-1,891.40	-310.78	1,891.40	0.35	0.33	0.11
8,039.00	90.30	180.20	6,610.15	-1,985.40	-311.03	1,985.40	0.15	0.11	0.11
8,132.00	89.50	180.40	6,610.32	-2,078.40	-311.51	2,078.40	0.89	-0.86	0.22
8,226.00	89.90	180.40	6,610.81	-2,172.39	-312.17	2,172.39	0.43	0.43	0.00
8,319.00	90.20	180.70	6,610.73	-2,265.39	-313.06	2,265.39	0.46	0.32	0.32
8,413.00	89.40	180.00	6,611.05	-2,359.39	-313.64	2,359.39	1.13	-0.85	-0.74
8,506.00	89.90	179.70	6,611.62	-2,452.38	-313.39	2,452.38	0.63	0.54	-0.32
8,600.00	90.40	179.30	6,611.38	-2,546.38	-312.57	2,546.38	0.68	0.53	-0.43
8,693.00	90.50	180.00	6,610.65	-2,639.37	-312.00	2,639.37	0.76	0.11	0.75
8,787.00	91.50	179.40	6,609.01	-2,733.36	-311.51	2,733.36	1.24	1.06	-0.64
8,880.00	89.50	178.70	6,608.19	-2,826.34	-309.97	2,826.34	2.28	-2.15	-0.75
8,974.00	89.50	178.30	6,609.01	-2,920.30	-307.51	2,920.30	0.43	0.00	-0.43
9,067.00	89.50	177.80	6,609.83	-3,013.24	-304.35	3,013.24	0.54	0.00	-0.54
9,160.00	90.20	177.90	6,610.07	-3,106.18	-300.86	3,106.18	0.76	0.75	0.11
9,254.00	90.90	178.10	6,609.17	-3,200.11	-297.58	3,200.11	0.77	0.74	0.21
9,347.00	91.10	177.10	6,607.54	-3,293.02	-293.68	3,293.02	1.10	0.22	-1.08
9,441.00	90.50	179.30	6,606.23	-3,386.95	-290.73	3,386.95	2.43	-0.64	2.34
9,534.00	91.00	179.20	6,605.01	-3,479.94	-289.51	3,479.94	0.55	0.54	-0.11
9,628.00	89.80	178.80	6,604.36	-3,573.92	-287.87	3,573.92	1.35	-1.28	-0.43

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Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4634.00usft (Original Well Elev)
Well:	Chestnut 27G-203	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,721.00	90.90	179.10	6,603.79	-3,666.90	-286.17	3,666.90	1.23	1.18	0.32
9,815.00	89.70	180.20	6,603.30	-3,760.89	-285.59	3,760.89	1.73	-1.28	1.17
9,908.00	90.40	180.20	6,603.22	-3,853.89	-285.92	3,853.89	0.75	0.75	0.00
10,002.00	89.10	181.10	6,603.63	-3,947.88	-286.99	3,947.88	1.68	-1.38	0.96
10,096.00	89.60	181.00	6,604.69	-4,041.86	-288.71	4,041.86	0.54	0.53	-0.11
10,189.00	90.00	180.50	6,605.02	-4,134.85	-289.93	4,134.85	0.69	0.43	-0.54
10,283.00	90.60	180.60	6,604.53	-4,228.85	-290.83	4,228.85	0.65	0.64	0.11
10,376.00	88.90	180.80	6,604.93	-4,321.83	-291.96	4,321.83	1.84	-1.83	0.22
10,470.00	89.40	180.50	6,606.33	-4,415.82	-293.03	4,415.82	0.62	0.53	-0.32
10,563.00	89.80	180.00	6,606.98	-4,508.81	-293.44	4,508.81	0.69	0.43	-0.54
10,657.00	90.30	179.50	6,606.89	-4,602.81	-293.03	4,602.81	0.75	0.53	-0.53
10,750.00	91.00	179.30	6,605.84	-4,695.80	-292.05	4,695.80	0.78	0.75	-0.22
10,840.00	90.30	179.30	6,604.82	-4,785.79	-290.95	4,785.79	0.78	-0.78	0.00
10,930.00	90.90	179.30	6,603.87	-4,875.78	-289.85	4,875.78	0.67	0.67	0.00
11,020.00	89.70	179.20	6,603.40	-4,965.77	-288.67	4,965.77	1.34	-1.33	-0.11
11,110.00	90.20	178.70	6,603.48	-5,055.75	-287.03	5,055.75	0.79	0.56	-0.56
11,200.00	90.60	178.90	6,602.85	-5,145.73	-285.14	5,145.73	0.50	0.44	0.22
11,290.00	91.60	179.30	6,601.13	-5,235.70	-283.73	5,235.70	1.20	1.11	0.44
11,380.00	89.10	179.30	6,600.58	-5,325.68	-282.63	5,325.68	2.78	-2.78	0.00
11,470.00	89.00	178.60	6,602.07	-5,415.65	-280.98	5,415.65	0.79	-0.11	-0.78
11,560.00	89.50	178.60	6,603.25	-5,505.62	-278.78	5,505.62	0.56	0.56	0.00
11,650.00	89.90	178.60	6,603.72	-5,595.59	-276.58	5,595.59	0.44	0.44	0.00
11,740.00	90.30	178.40	6,603.56	-5,685.56	-274.23	5,685.56	0.50	0.44	-0.22
11,830.00	91.00	178.90	6,602.54	-5,775.53	-272.10	5,775.53	0.96	0.78	0.56
11,920.00	91.10	181.00	6,600.89	-5,865.51	-272.03	5,865.51	2.34	0.11	2.33
12,010.00	90.40	182.00	6,599.71	-5,955.47	-274.38	5,955.47	1.36	-0.78	1.11
12,100.00	90.80	181.90	6,598.77	-6,045.41	-277.44	6,045.41	0.46	0.44	-0.11
12,190.00	91.20	181.80	6,597.20	-6,135.35	-280.35	6,135.35	0.46	0.44	-0.11
12,280.00	89.30	181.60	6,596.81	-6,225.31	-283.02	6,225.31	2.12	-2.11	-0.22
12,370.00	89.70	181.40	6,597.59	-6,315.27	-285.38	6,315.27	0.50	0.44	-0.22
12,460.00	90.10	181.30	6,597.75	-6,405.25	-287.50	6,405.25	0.46	0.44	-0.11
12,550.00	90.40	180.80	6,597.36	-6,495.23	-289.14	6,495.23	0.65	0.33	-0.56
12,640.00	90.90	180.70	6,596.33	-6,585.22	-290.32	6,585.22	0.57	0.56	-0.11
12,730.00	91.50	181.20	6,594.45	-6,675.18	-291.81	6,675.18	0.87	0.67	0.56
12,820.00	89.90	181.20	6,593.35	-6,765.15	-293.70	6,765.15	1.78	-1.78	0.00
12,909.00	90.60	180.70	6,592.96	-6,854.14	-295.17	6,854.14	0.97	0.79	-0.56
12,999.00	90.50	181.90	6,592.10	-6,944.11	-297.22	6,944.11	1.34	-0.11	1.33
13,089.00	89.80	180.00	6,591.86	-7,034.09	-298.71	7,034.09	2.25	-0.78	-2.11
13,179.00	89.80	180.30	6,592.18	-7,124.09	-298.94	7,124.09	0.33	0.00	0.33
13,269.00	89.50	180.20	6,592.73	-7,214.09	-299.34	7,214.09	0.35	-0.33	-0.11
13,359.00	90.50	182.20	6,592.73	-7,304.06	-301.22	7,304.06	2.48	1.11	2.22
13,449.00	89.90	181.20	6,592.41	-7,394.02	-303.89	7,394.02	1.30	-0.67	-1.11
13,539.00	90.50	182.90	6,592.10	-7,483.96	-307.11	7,483.96	2.00	0.67	1.89
13,629.00	89.90	181.90	6,591.78	-7,573.88	-310.88	7,573.88	1.30	-0.67	-1.11
Last Archer Survey									
13,715.00	90.00	182.90	6,591.86	-7,659.80	-314.48	7,659.80	1.17	0.12	1.16
PTB									
13,769.00	90.00	182.90	6,591.86	-7,713.73	-317.21	7,713.73	0.00	0.00	0.00



Company:	PDC Energy, Inc.	Local Co-ordinate Reference:	Well Chestnut 27G-203
Project:	Weld Co., CO	TVD Reference:	WELL @ 4634.00usft (Original Well Elev)
Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4634.00usft (Original Well Elev)
Well:	Chestnut 27G-203	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
74.00	74.00	0.29	-0.14	First Archer Survey
13,715.00	6,591.86	-7,659.80	-314.48	Last Archer Survey
13,769.00	6,591.86	-7,713.73	-317.21	PTB

Checked By: _____	Approved By: _____	Date: _____
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