



PDC Energy, Inc.
Project: Weld Co., CO
Site: Sec.27-T5N-R64W
Well: Chestnut 27K-421
Wellbore: Wellbore #1
Design: Design #2
Lat: 40° 22' 15.924 N
Long: 104° 32' 28.140 W
Pad GL: 4616.00
KB: WELL @ 4631.00usft (Original Well Elev)

PROJECT DETAILS: Weld Co., CO

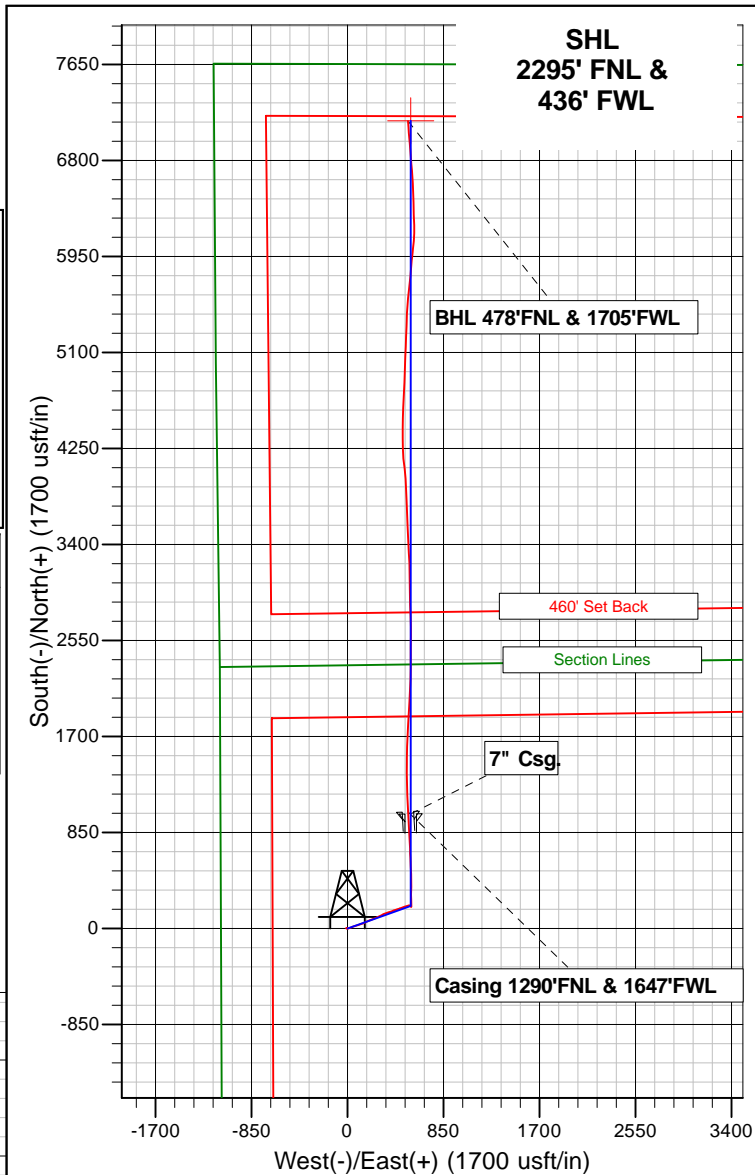
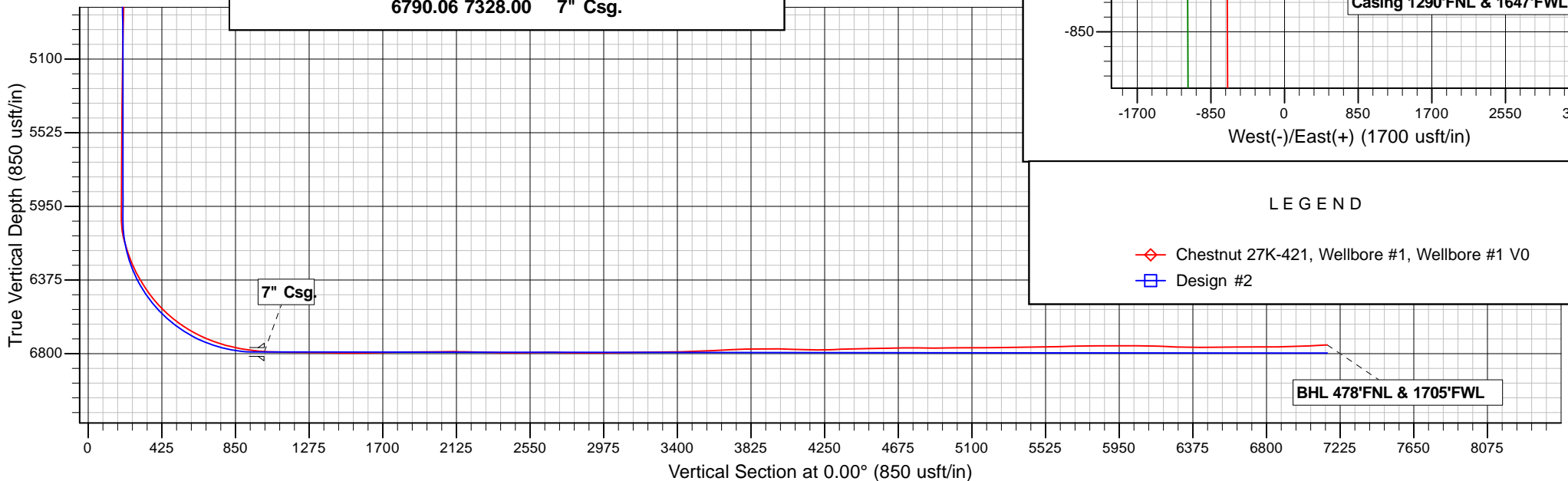
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

System Datum: Mean Sea Level

Projected Bottom Hole Location
13455'MD 6749.48'TVD 7150.41'N & 534.97'W OF SHL
93.10 degree Incl @ 355.50 degree AZM

CASING DETAILS

TVD	MD	Name
6790.06	7328.00	7" Csg.



LEGEND

- ◇ Chestnut 27K-421, Wellbore #1, Wellbore #1 V0
- Design #2



PDC Energy, Inc.

**Weld Co., CO
Sec.27-T5N-R64W
Chestnut 27K-421**

Wellbore #1

Survey: Survey #1

Standard Survey Report

07 January, 2015

Archer

Company:	PDC Energy, Inc.	Local Co-ordinate Reference:	Well Chestnut 27K-421
Project:	Weld Co., CO	TVD Reference:	WELL @ 4631.00usft (Original Well Elev)
Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4631.00usft (Original Well Elev)
Well:	Chestnut 27K-421	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 27K-421					
Well Position	+N/-S	0.00 usft	Northing:	1,379,473.012 usft	Latitude:	40° 22' 15.924 N
	+E/-W	0.00 usft	Easting:	3,267,158.331 usft	Longitude:	104° 32' 28.140 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,616.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2014/12/05	8.27	66.94	52,775

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	0.00	

Survey Program	Date	2014/12/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
74.00	13,455.00	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	0.80	310.60	74.00	0.34	-0.39	0.34	1.08	1.08	0.00	
168.00	0.80	290.80	167.99	1.00	-1.50	1.00	0.29	0.00	-21.06	
259.00	0.80	284.80	258.98	1.38	-2.71	1.38	0.09	0.00	-6.59	
349.00	0.70	277.00	348.97	1.61	-3.87	1.61	0.16	-0.11	-8.67	
441.00	0.90	277.70	440.96	1.78	-5.14	1.78	0.22	0.22	0.76	
532.00	0.80	295.00	531.95	2.14	-6.42	2.14	0.30	-0.11	19.01	
623.00	0.80	272.20	622.94	2.43	-7.63	2.43	0.35	0.00	-25.05	
714.00	1.20	277.70	713.93	2.59	-9.21	2.59	0.45	0.44	6.04	
805.00	1.10	282.20	804.91	2.90	-11.01	2.90	0.15	-0.11	4.95	
890.00	1.20	269.50	889.90	3.06	-12.70	3.06	0.32	0.12	-14.94	
937.00	1.10	334.90	936.89	3.47	-13.38	3.47	2.65	-0.21	139.15	

Company:	PDC Energy, Inc.	Local Co-ordinate Reference:	Well Chestnut 27K-421
Project:	Weld Co., CO	TVD Reference:	WELL @ 4631.00usft (Original Well Elev)
Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4631.00usft (Original Well Elev)
Well:	Chestnut 27K-421	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)	
1,033.00	1.20	120.70	1,032.88	3.79	-12.91	3.79	2.29	0.10	151.87	
1,126.00	1.40	126.70	1,125.86	2.61	-11.16	2.61	0.26	0.22	6.45	
1,220.00	3.30	98.00	1,219.78	1.55	-7.56	1.55	2.32	2.02	-30.53	
1,313.00	5.50	95.00	1,312.50	0.79	-0.47	0.79	2.38	2.37	-3.23	
1,407.00	6.80	77.10	1,405.96	1.64	9.45	1.64	2.45	1.38	-19.04	
1,500.00	7.80	67.20	1,498.21	5.31	20.63	5.31	1.72	1.08	-10.65	
1,594.00	10.00	66.30	1,591.07	11.07	33.99	11.07	2.35	2.34	-0.96	
1,687.00	10.30	73.00	1,682.62	16.74	49.33	16.74	1.31	0.32	7.20	
1,781.00	9.50	70.90	1,775.22	21.74	64.70	21.74	0.93	-0.85	-2.23	
1,874.00	9.10	71.80	1,867.00	26.55	78.94	26.55	0.46	-0.43	0.97	
1,968.00	9.10	72.30	1,959.81	31.13	93.08	31.13	0.08	0.00	0.53	
2,061.00	10.70	72.70	2,051.43	35.93	108.33	35.93	1.72	1.72	0.43	
2,155.00	10.10	72.10	2,143.88	41.06	124.50	41.06	0.65	-0.64	-0.64	
2,248.00	9.50	68.50	2,235.53	46.38	139.41	46.38	0.92	-0.65	-3.87	
2,342.00	8.80	61.80	2,328.33	52.62	152.96	52.62	1.35	-0.74	-7.13	
2,435.00	10.60	60.60	2,420.00	60.18	166.68	60.18	1.95	1.94	-1.29	
2,529.00	10.80	68.20	2,512.37	67.70	182.39	67.70	1.52	0.21	8.09	
2,622.00	11.00	68.50	2,603.69	74.18	198.74	74.18	0.22	0.22	0.32	
2,716.00	11.30	67.90	2,695.92	80.94	215.62	80.94	0.34	0.32	-0.64	
2,809.00	11.10	67.90	2,787.14	87.73	232.35	87.73	0.22	-0.22	0.00	
2,899.00	11.20	66.30	2,875.45	94.51	248.38	94.51	0.36	0.11	-1.78	
2,989.00	10.50	67.20	2,963.84	101.20	263.95	101.20	0.80	-0.78	1.00	
3,079.00	9.80	66.20	3,052.43	107.47	278.51	107.47	0.80	-0.78	-1.11	
3,169.00	9.00	64.50	3,141.22	113.59	291.88	113.59	0.94	-0.89	-1.89	
3,259.00	7.90	60.40	3,230.24	119.67	303.61	119.67	1.39	-1.22	-4.56	
3,349.00	10.10	63.10	3,319.13	126.30	316.03	126.30	2.49	2.44	3.00	
3,439.00	10.60	72.60	3,407.67	132.35	330.96	132.35	1.97	0.56	10.56	
3,529.00	10.40	70.80	3,496.16	137.49	346.53	137.49	0.43	-0.22	-2.00	
3,619.00	10.60	72.30	3,584.66	142.68	362.09	142.68	0.38	0.22	1.67	
3,709.00	10.90	71.60	3,673.08	147.88	378.05	147.88	0.36	0.33	-0.78	
3,799.00	10.80	69.30	3,761.47	153.55	394.01	153.55	0.49	-0.11	-2.56	
3,889.00	10.50	69.40	3,849.92	159.42	409.58	159.42	0.33	-0.33	0.11	
3,979.00	10.90	70.50	3,938.35	165.14	425.28	165.14	0.50	0.44	1.22	
4,069.00	10.40	71.20	4,026.80	170.60	440.99	170.60	0.57	-0.56	0.78	
4,159.00	9.70	70.20	4,115.42	175.79	455.81	175.79	0.80	-0.78	-1.11	
4,249.00	10.90	72.30	4,203.97	180.94	471.05	180.94	1.40	1.33	2.33	
4,339.00	10.30	70.80	4,292.43	186.18	486.76	186.18	0.73	-0.67	-1.67	
4,429.00	9.70	67.60	4,381.07	191.71	501.37	191.71	0.91	-0.67	-3.56	
4,519.00	9.50	74.50	4,469.81	196.58	515.53	196.58	1.30	-0.22	7.67	
4,609.00	9.10	74.40	4,558.63	200.48	529.54	200.48	0.44	-0.44	-0.11	
4,700.00	6.90	79.10	4,648.74	203.45	541.85	203.45	2.52	-2.42	5.16	
4,789.00	5.40	87.00	4,737.22	204.68	551.28	204.68	1.93	-1.69	8.88	
4,879.00	3.00	118.00	4,826.98	203.80	557.59	203.80	3.58	-2.67	34.44	
4,969.00	1.40	151.10	4,916.92	201.73	560.20	201.73	2.20	-1.78	36.78	
5,059.00	1.30	154.00	5,006.89	199.85	561.18	199.85	0.13	-0.11	3.22	
5,149.00	0.40	189.90	5,096.88	198.62	561.57	198.62	1.12	-1.00	39.89	
5,239.00	0.50	188.40	5,186.88	197.93	561.46	197.93	0.11	0.11	-1.67	
5,329.00	0.80	176.10	5,276.87	196.91	561.45	196.91	0.37	0.33	-13.67	
5,419.00	1.20	155.50	5,366.86	195.43	561.88	195.43	0.59	0.44	-22.89	
5,509.00	0.20	161.60	5,456.85	194.42	562.32	194.42	1.11	-1.11	6.78	
5,599.00	0.40	122.70	5,546.85	194.10	562.63	194.10	0.31	0.22	-43.22	
5,689.00	0.50	136.50	5,636.85	193.65	563.17	193.65	0.16	0.11	15.33	
5,779.00	0.40	196.30	5,726.85	193.06	563.35	193.06	0.51	-0.11	66.44	
5,869.00	0.60	201.70	5,816.84	192.32	563.09	192.32	0.23	0.22	6.00	

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Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4631.00usft (Original Well Elev)
Well:	Chestnut 27K-421	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)
5,959.00	0.50	167.10	5,906.84	191.50	563.00	191.50	0.38	-0.11	-38.44
6,049.00	0.40	138.20	5,996.84	190.88	563.30	190.88	0.27	-0.11	-32.11
6,094.00	3.30	9.70	6,041.81	192.04	563.62	192.04	7.92	6.44	-285.56
6,139.00	7.10	8.90	6,086.62	196.07	564.27	196.07	8.45	8.44	-1.78
6,184.00	12.70	2.30	6,130.93	203.76	564.90	203.76	12.68	12.44	-14.67
6,229.00	17.50	359.60	6,174.37	215.48	565.05	215.48	10.78	10.67	-6.00
6,274.00	18.70	358.40	6,217.14	229.46	564.80	229.46	2.79	2.67	-2.67
6,319.00	20.70	356.10	6,259.50	244.60	564.06	244.60	4.77	4.44	-5.11
6,364.00	24.90	357.50	6,300.98	262.01	563.10	262.01	9.41	9.33	3.11
6,409.00	28.30	359.70	6,341.21	282.15	562.64	282.15	7.87	7.56	4.89
6,454.00	32.60	0.90	6,380.00	304.95	562.77	304.95	9.65	9.56	2.67
6,499.00	32.90	0.80	6,417.84	329.29	563.13	329.29	0.68	0.67	-0.22
6,544.00	36.60	2.20	6,454.81	354.92	563.82	354.92	8.41	8.22	3.11
6,589.00	39.00	1.20	6,490.37	382.49	564.63	382.49	5.50	5.33	-2.22
6,634.00	41.40	359.40	6,524.74	411.53	564.77	411.53	5.92	5.33	-4.00
6,679.00	46.10	358.30	6,557.23	442.63	564.13	442.63	10.58	10.44	-2.44
6,724.00	50.90	357.50	6,587.04	476.30	562.89	476.30	10.75	10.67	-1.78
6,769.00	53.70	356.80	6,614.56	511.86	561.11	511.86	6.34	6.22	-1.56
6,814.00	56.80	357.40	6,640.21	548.78	559.25	548.78	6.98	6.89	1.33
6,859.00	59.30	357.70	6,664.02	586.93	557.62	586.93	5.58	5.56	0.67
6,903.00	62.30	357.80	6,685.48	625.30	556.11	625.30	6.82	6.82	0.23
6,948.00	65.50	358.60	6,705.27	665.69	554.84	665.69	7.29	7.11	1.78
6,993.00	68.90	358.10	6,722.71	707.15	553.65	707.15	7.62	7.56	-1.11
7,038.00	71.70	357.10	6,737.88	749.47	551.87	749.47	6.56	6.22	-2.22
7,083.00	74.90	356.60	6,750.81	792.50	549.50	792.50	7.19	7.11	-1.11
7,128.00	77.10	356.70	6,761.69	836.09	546.95	836.09	4.89	4.89	0.22
7,173.00	79.80	356.60	6,770.70	880.10	544.37	880.10	6.00	6.00	-0.22
7,218.00	82.50	356.60	6,777.63	924.48	541.74	924.48	6.00	6.00	0.00
7,264.00	83.80	356.70	6,783.11	970.07	539.07	970.07	2.83	2.83	0.22
7,284.00	85.10	356.70	6,785.05	989.94	537.92	989.94	6.50	6.50	0.00
7,357.00	88.00	356.80	6,789.44	1,062.69	533.79	1,062.69	3.97	3.97	0.14
7,402.00	90.40	357.90	6,790.07	1,107.63	531.71	1,107.63	5.87	5.33	2.44
7,492.00	88.70	358.20	6,790.77	1,197.57	528.65	1,197.57	1.92	-1.89	0.33
7,582.00	89.10	359.40	6,792.50	1,287.53	526.77	1,287.53	1.41	0.44	1.33
7,672.00	89.10	359.70	6,793.92	1,377.52	526.06	1,377.52	0.33	0.00	0.33
7,762.00	88.50	359.70	6,795.80	1,467.50	525.59	1,467.50	0.67	-0.67	0.00
7,852.00	91.00	2.10	6,796.19	1,557.47	527.00	1,557.47	3.85	2.78	2.67
7,942.00	91.60	2.10	6,794.15	1,647.39	530.30	1,647.39	0.67	0.67	0.00
8,035.00	91.30	2.20	6,791.80	1,740.29	533.79	1,740.29	0.34	-0.32	0.11
8,129.00	90.50	2.20	6,790.32	1,834.21	537.39	1,834.21	0.85	-0.85	0.00
8,222.00	90.40	3.30	6,789.59	1,927.10	541.86	1,927.10	1.19	-0.11	1.18
8,316.00	90.70	3.80	6,788.69	2,020.92	547.68	2,020.92	0.62	0.32	0.53
8,409.00	90.00	3.60	6,788.12	2,113.72	553.68	2,113.72	0.78	-0.75	-0.22
8,503.00	88.60	1.20	6,789.27	2,207.62	557.61	2,207.62	2.96	-1.49	-2.55
8,597.00	88.00	0.40	6,792.06	2,301.57	558.92	2,301.57	1.06	-0.64	-0.85
8,690.00	88.90	359.80	6,794.57	2,394.53	559.09	2,394.53	1.16	0.97	-0.65
8,784.00	91.10	0.90	6,794.57	2,488.52	559.66	2,488.52	2.62	2.34	1.17
8,877.00	90.90	0.60	6,792.95	2,581.50	560.88	2,581.50	0.39	-0.22	-0.32
8,970.00	89.80	358.80	6,792.38	2,674.49	560.39	2,674.49	2.27	-1.18	-1.94
9,064.00	89.10	357.30	6,793.28	2,768.43	557.19	2,768.43	1.76	-0.74	-1.60
9,158.00	88.80	358.20	6,795.01	2,862.34	553.50	2,862.34	1.01	-0.32	0.96
9,251.00	90.60	359.70	6,795.49	2,955.32	551.80	2,955.32	2.52	1.94	1.61
9,344.00	90.70	359.30	6,794.44	3,048.31	550.99	3,048.31	0.44	0.11	-0.43
9,438.00	91.60	359.00	6,792.55	3,142.28	549.59	3,142.28	1.01	0.96	-0.32

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Well:	Chestnut 27K-421	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)
9,531.00	91.30	358.20	6,790.20	3,235.22	547.32	3,235.22	0.92	-0.32	-0.86
9,625.00	89.50	356.00	6,789.54	3,329.09	542.57	3,329.09	3.02	-1.91	-2.34
9,718.00	92.00	357.40	6,788.33	3,421.92	537.21	3,421.92	3.08	2.69	1.51
9,812.00	91.60	358.00	6,785.37	3,515.79	533.44	3,515.79	0.77	-0.43	0.64
9,905.00	92.70	357.50	6,781.88	3,608.65	529.80	3,608.65	1.30	1.18	-0.54
9,999.00	93.30	356.90	6,776.96	3,702.41	525.21	3,702.41	0.90	0.64	-0.64
10,092.00	90.80	358.80	6,773.64	3,795.28	521.72	3,795.28	3.38	-2.69	2.04
10,186.00	91.00	358.10	6,772.16	3,889.23	519.18	3,889.23	0.77	0.21	-0.74
10,280.00	89.40	355.90	6,771.83	3,983.09	514.26	3,983.09	2.89	-1.70	-2.34
10,370.00	87.00	352.90	6,774.66	4,072.60	505.49	4,072.60	4.27	-2.67	-3.33
10,460.00	88.90	354.10	6,777.88	4,161.96	495.31	4,161.96	2.50	2.11	1.33
10,550.00	92.30	358.30	6,776.94	4,251.72	489.34	4,251.72	6.00	3.78	4.67
10,640.00	91.30	0.00	6,774.11	4,341.66	488.01	4,341.66	2.19	-1.11	1.89
10,730.00	92.00	0.90	6,771.52	4,431.62	488.72	4,431.62	1.27	0.78	1.00
10,820.00	90.40	1.30	6,769.63	4,521.58	490.44	4,521.58	1.83	-1.78	0.44
10,910.00	91.10	2.30	6,768.46	4,611.53	493.27	4,611.53	1.36	0.78	1.11
11,000.00	91.20	2.50	6,766.65	4,701.43	497.04	4,701.43	0.25	0.11	0.22
11,090.00	89.20	2.30	6,766.34	4,791.35	500.81	4,791.35	2.23	-2.22	-0.22
11,180.00	89.80	2.20	6,767.12	4,881.28	504.34	4,881.28	0.68	0.67	-0.11
11,270.00	91.30	2.80	6,766.26	4,971.18	508.27	4,971.18	1.80	1.67	0.67
11,359.00	89.70	2.20	6,765.48	5,060.09	512.15	5,060.09	1.92	-1.80	-0.67
11,449.00	90.00	1.50	6,765.72	5,150.04	515.05	5,150.04	0.85	0.33	-0.78
11,539.00	91.40	2.50	6,764.62	5,239.98	518.19	5,239.98	1.91	1.56	1.11
11,630.00	90.70	1.60	6,762.95	5,330.90	521.45	5,330.90	1.25	-0.77	-0.99
11,720.00	90.70	2.70	6,761.85	5,420.83	524.82	5,420.83	1.22	0.00	1.22
11,810.00	91.30	3.70	6,760.28	5,510.68	529.85	5,510.68	1.30	0.67	1.11
11,900.00	90.90	5.30	6,758.55	5,600.38	536.91	5,600.38	1.83	-0.44	1.78
11,990.00	91.80	7.10	6,756.43	5,689.82	546.62	5,689.82	2.24	1.00	2.00
12,080.00	90.50	5.30	6,754.62	5,779.27	556.34	5,779.27	2.47	-1.44	-2.00
12,170.00	89.90	4.90	6,754.31	5,868.92	564.34	5,868.92	0.80	-0.67	-0.44
12,260.00	90.50	6.70	6,753.99	5,958.45	573.44	5,958.45	2.11	0.67	2.00
12,350.00	88.90	5.20	6,754.47	6,047.96	582.76	6,047.96	2.44	-1.78	-1.67
12,440.00	89.20	3.00	6,755.96	6,137.71	589.20	6,137.71	2.47	0.33	-2.44
12,530.00	88.00	358.40	6,758.16	6,227.65	590.30	6,227.65	5.28	-1.33	-5.11
12,620.00	87.70	357.50	6,761.54	6,317.53	587.08	6,317.53	1.05	-0.33	-1.00
12,710.00	89.60	358.60	6,763.66	6,407.45	584.02	6,407.45	2.44	2.11	1.22
12,800.00	91.20	358.80	6,763.03	6,497.42	581.98	6,497.42	1.79	1.78	0.22
12,890.00	90.40	356.70	6,761.77	6,587.33	578.45	6,587.33	2.50	-0.89	-2.33
12,980.00	91.00	355.40	6,760.67	6,677.11	572.25	6,677.11	1.59	0.67	-1.44
13,070.00	89.20	355.40	6,760.51	6,766.82	565.03	6,766.82	2.00	-2.00	0.00
13,163.00	90.90	355.50	6,760.43	6,859.52	557.65	6,859.52	1.83	1.83	0.11
13,257.00	91.70	355.40	6,758.30	6,953.20	550.20	6,953.20	0.86	0.85	-0.11
13,350.00	92.50	355.80	6,754.89	7,045.86	543.07	7,045.86	0.96	0.86	0.43
Last Archer Survey									
13,400.00	93.10	355.50	6,752.45	7,095.66	539.28	7,095.66	1.34	1.20	-0.60
Chestnut 27K-421 tgt									
13,453.95	93.10	355.50	6,749.53	7,149.36	535.05	7,149.36	0.00	0.00	0.00
PTB									
13,455.00	93.10	355.50	6,749.48	7,150.41	534.97	7,150.41	0.00	0.00	0.00

Company:	PDC Energy, Inc.	Local Co-ordinate Reference:	Well Chestnut 27K-421
Project:	Weld Co., CO	TVD Reference:	WELL @ 4631.00usft (Original Well Elev)
Site:	Sec.27-T5N-R64W	MD Reference:	WELL @ 4631.00usft (Original Well Elev)
Well:	Chestnut 27K-421	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	0.34	-0.39	First Archer Survey
13,400.00	6,752.45	7,095.66	539.28	Last Archer Survey
13,455.00	6,749.48	7,150.41	534.97	PTB

Checked By: _____	Approved By: _____	Date: _____
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