

Continental Resources, Inc.

Ward County, TX (NAD27)

UTL 0708 #1H-#4H Pad

UTL 0708A #0601H

Wellbore #1

Wellbore #1



Standard Survey Report

29 June, 2023

Total Report Version 1.50

COMPASS 5000.16 Build 97

Survey Report

Company: Continental Resources, Inc.	Local Co-ordinate Reference: Well UTL 0708A #0601H
Project: Ward County, TX (NAD27)	TVD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Project Ward County, TX (NAD27)	System Datum: Mean Sea Level
Map System: US State Plane 1927 (Exact solution)	
Geo Datum: NAD 1927 (NADCON CONUS)	
Map Zone: Texas Central 4203	

Site UTL 0708 #1H-#4H Pad	
Site Position:	Northing: 721,979.80 usft Latitude: 31.6191112
From: Map	Easting: 1,092,682.10 usft Longitude: -103.2484751
Position Uncertainty: 0.00 usft	Slot Radius: 13-3/16 "

Well UTL 0708A #0601H	
Well Position +N/-S 0.00 usft Northing: 721,979.80 usft Latitude: 31.6191112	
+E/-W 0.00 usft Easting: 1,092,682.10 usft Longitude: -103.2484751	
Position Uncertainty 0.00 usft Wellhead Elevation: usft Ground Level: 2,768.00 usft	
Grid Convergence: -1.50 °	

Wellbore Wellbore #1	
Magnetics	Model Name HDGM2023 Sample Date 5/17/2023 Declination (°) 6.68 Dip Angle (°) 59.33 Field Strength (nT) 46,971.90000000

Design Wellbore #1	
Audit Notes:	
Version: 1.0 Phase: ACTUAL Tie On Depth: 0.00	
Vertical Section:	Depth From (TVD) (usft) 0.00 +N/-S (usft) 0.00 +E/-W (usft) 0.00 Direction (°) 343.74

Survey Program	Date 6/29/2023
From (usft)	To (usft)
158.50	1,026.50
1,147.00	20,706.00
Survey (Wellbore)	Tool Name
Survey #1 (KB Adjusted) (W	2_MWD+HRGM
Survey #2 (Wellbore #1)	2_MWD+HRGM
Description	
B001Mb: HRGM declination correction only	
B001Mb: HRGM declination correction only	

Survey													
Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Geo Coordinates (°)		Vertical Section (usft)		Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Section	Rate	Rate	Rate
0.00	0.00	0.00	0.00	0.00	0.00	721,979.80	1,092,682.10	31.6191112	-103.2484751	0.00	0.00	0.00	0.00
158.50	0.60	125.60	158.50	-0.48	0.67	721,979.32	1,092,682.77	31.6191100	-103.2484729	-0.65	0.38	0.38	0.00
243.50	0.80	134.60	243.49	-1.16	1.46	721,978.64	1,092,683.56	31.6191082	-103.2484703	-1.52	0.27	0.24	10.59
334.50	1.10	118.70	334.48	-2.02	2.68	721,977.78	1,092,684.78	31.6191059	-103.2484663	-2.69	0.44	0.33	-17.47
429.50	1.10	102.60	429.46	-2.66	4.37	721,977.14	1,092,686.47	31.6191042	-103.2484608	-3.78	0.32	0.00	-16.95
523.50	0.40	72.30	523.45	-2.76	5.56	721,977.04	1,092,687.66	31.6191041	-103.2484570	-4.20	0.83	-0.74	-32.23

Survey Report

Company:	Continental Resources, Inc.	Local Co-ordinate Reference:	Well UTL 0708A #0601H
Project:	Ward County, TX (NAD27)	TVD Reference:	GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site:	UTL 0708 #1H-#4H Pad	MD Reference:	GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well:	UTL 0708A #0601H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Geo Coordinates		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)				
617.50	0.40	339.70	617.45	-2.35	5.76	721,977.45	1,092,687.86	31.6191052	-103.2484564	-3.87	0.62	0.00	-98.51
712.50	0.70	11.00	712.45	-1.47	5.76	721,978.33	1,092,687.86	31.6191076	-103.2484565	-3.02	0.44	0.32	32.95
806.50	0.90	339.30	806.44	-0.22	5.60	721,979.58	1,092,687.70	31.6191111	-103.2484571	-1.78	0.51	0.21	-33.72
900.50	0.80	332.80	900.43	1.06	5.04	721,980.86	1,092,687.14	31.6191145	-103.2484590	-0.40	0.15	-0.11	-6.91
1,026.50	1.10	340.00	1,026.41	2.98	4.23	721,982.78	1,092,686.33	31.6191197	-103.2484618	1.67	0.26	0.24	5.71
1,147.00	1.45	342.78	1,146.88	5.52	3.38	721,985.32	1,092,685.48	31.6191267	-103.2484647	4.35	0.29	0.29	2.31
1,238.00	1.05	350.07	1,237.86	7.44	2.90	721,987.24	1,092,685.00	31.6191319	-103.2484664	6.33	0.47	-0.44	8.01
1,328.00	2.77	281.70	1,327.81	8.69	0.62	721,988.49	1,092,682.72	31.6191352	-103.2484738	8.17	2.86	1.91	-75.97
1,418.00	2.46	282.93	1,417.72	9.57	-3.39	721,989.37	1,092,678.71	31.6191373	-103.2484868	10.13	0.35	-0.34	1.37
1,509.00	1.98	286.62	1,508.65	10.45	-6.80	721,990.25	1,092,675.30	31.6191395	-103.2484978	11.94	0.55	-0.53	4.05
1,598.00	1.14	329.33	1,597.62	11.66	-8.72	721,991.46	1,092,673.38	31.6191426	-103.2485041	13.63	1.55	-0.94	47.99
1,689.00	1.23	2.82	1,688.60	13.41	-9.14	721,993.21	1,092,672.96	31.6191474	-103.2485056	15.43	0.76	0.10	36.80
1,784.00	1.54	352.89	1,783.57	15.70	-9.25	721,995.50	1,092,672.85	31.6191537	-103.2485061	17.66	0.41	0.33	-10.45
1,877.00	2.59	323.53	1,876.51	18.63	-10.65	721,998.43	1,092,671.45	31.6191617	-103.2485108	20.86	1.57	1.13	-31.57
1,972.00	2.77	344.27	1,971.41	22.56	-12.55	722,002.36	1,092,669.55	31.6191723	-103.2485173	25.17	1.03	0.19	21.83
2,065.00	2.95	304.46	2,064.31	26.08	-15.13	722,005.88	1,092,666.97	31.6191818	-103.2485259	29.27	2.10	0.19	-42.81
2,158.00	3.03	309.47	2,157.18	29.00	-19.00	722,008.80	1,092,663.10	31.6191896	-103.2485385	33.16	0.29	0.09	5.39
2,251.00	4.18	299.45	2,250.00	32.22	-23.85	722,012.02	1,092,658.25	31.6191981	-103.2485544	37.61	1.41	1.24	-10.77
2,346.00	4.31	305.78	2,344.73	36.01	-29.76	722,015.81	1,092,652.34	31.6192081	-103.2485737	42.91	0.51	0.14	6.66
2,440.00	4.22	293.65	2,438.48	39.47	-35.79	722,019.27	1,092,646.31	31.6192171	-103.2485934	47.91	0.96	-0.10	-12.90
2,535.00	5.76	270.89	2,533.12	40.94	-43.76	722,020.74	1,092,638.34	31.6192206	-103.2486191	51.56	2.61	1.62	-23.96
2,629.00	4.44	283.01	2,626.75	41.84	-52.03	722,021.64	1,092,630.07	31.6192225	-103.2486457	54.73	1.81	-1.40	12.89
2,724.00	3.78	277.39	2,721.51	43.07	-58.71	722,022.87	1,092,623.39	31.6192254	-103.2486673	57.78	0.81	-0.69	-5.92
2,818.00	3.65	246.01	2,815.32	42.25	-64.52	722,022.05	1,092,617.58	31.6192227	-103.2486858	58.62	2.14	-0.14	-33.38
2,913.00	2.77	241.00	2,910.17	39.91	-69.29	722,019.71	1,092,612.81	31.6192159	-103.2487010	57.71	0.97	-0.93	-5.27
3,008.00	2.15	246.36	3,005.08	38.08	-72.93	722,017.88	1,092,609.17	31.6192106	-103.2487125	56.98	0.70	-0.65	5.64
3,102.00	2.55	286.18	3,099.01	37.95	-76.56	722,017.75	1,092,605.54	31.6192100	-103.2487241	57.87	1.75	0.43	42.36
3,197.00	2.24	273.61	3,193.93	38.66	-80.44	722,018.46	1,092,601.66	31.6192117	-103.2487367	59.64	0.64	-0.33	-13.23
3,291.00	4.09	264.64	3,287.78	38.46	-85.61	722,018.26	1,092,596.49	31.6192108	-103.2487533	60.89	2.03	1.97	-9.54
3,385.00	3.60	268.42	3,381.57	38.07	-91.90	722,017.87	1,092,590.20	31.6192092	-103.2487734	62.28	0.59	-0.52	4.02
3,479.00	3.43	271.50	3,475.39	38.06	-97.66	722,017.86	1,092,584.44	31.6192088	-103.2487919	63.88	0.27	-0.18	3.28
3,574.00	4.35	272.38	3,570.17	38.28	-104.10	722,018.08	1,092,578.00	31.6192090	-103.2488126	65.90	0.97	0.97	0.93
3,668.00	2.95	266.23	3,663.98	38.27	-110.07	722,018.07	1,092,572.03	31.6192085	-103.2488318	67.56	1.54	-1.49	-6.54
3,764.00	2.51	292.15	3,759.87	38.90	-114.49	722,018.70	1,092,567.61	31.6192099	-103.2488460	69.40	1.35	-0.46	27.00
3,858.00	3.12	320.98	3,853.76	41.67	-118.00	722,021.47	1,092,564.10	31.6192173	-103.2488576	73.04	1.62	0.65	30.67
3,954.00	3.69	320.19	3,949.59	46.07	-121.63	722,025.87	1,092,560.47	31.6192291	-103.2488696	78.28	0.60	0.59	-0.82
4,048.00	4.97	305.43	4,043.33	50.75	-126.88	722,030.55	1,092,555.22	31.6192416	-103.2488868	84.25	1.79	1.36	-15.70
4,142.00	5.54	298.66	4,136.93	55.29	-134.18	722,035.09	1,092,547.92	31.6192535	-103.2489107	90.65	0.90	0.61	-7.20

Survey Report

Company: Continental Resources, Inc.	Local Co-ordinate Reference: Well UTL 0708A #0601H
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Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Geo Coordinates		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude (°)	Longitude (°)				
4,237.00	5.05	299.71	4,231.53	59.56	-141.84	722,039.36	1,092,540.26	31.6192647	-103.2489356	96.89	0.53	-0.52	1.11
4,331.00	5.49	287.76	4,325.13	62.98	-149.71	722,042.78	1,092,532.39	31.6192736	-103.2489612	102.38	1.26	0.47	-12.71
4,426.00	5.85	280.03	4,419.67	65.21	-158.81	722,045.01	1,092,523.29	31.6192790	-103.2489906	107.07	0.89	0.38	-8.14
4,521.00	4.53	275.28	4,514.28	66.40	-167.31	722,046.20	1,092,514.79	31.6192817	-103.2490180	110.59	1.46	-1.39	-5.00
4,615.00	4.04	276.60	4,608.01	67.12	-174.30	722,046.92	1,092,507.80	31.6192832	-103.2490405	113.24	0.53	-0.52	1.40
4,708.00	1.63	303.14	4,700.90	68.22	-178.66	722,048.02	1,092,503.44	31.6192859	-103.2490546	115.52	2.88	-2.59	28.54
4,803.00	2.33	255.59	4,795.84	68.48	-181.66	722,048.28	1,092,500.44	31.6192864	-103.2490642	116.61	1.81	0.74	-50.05
4,895.00	6.51	251.28	4,887.55	66.34	-188.42	722,046.14	1,092,493.68	31.6192800	-103.2490858	116.44	4.55	4.54	-4.68
4,989.00	6.86	254.10	4,980.91	63.09	-198.86	722,042.89	1,092,483.24	31.6192703	-103.2491190	116.25	0.51	0.37	3.00
5,084.00	5.80	252.43	5,075.33	60.09	-208.89	722,039.89	1,092,473.21	31.6192613	-103.2491510	116.18	1.13	-1.12	-1.76
5,177.00	5.67	249.97	5,167.87	57.10	-217.69	722,036.90	1,092,464.41	31.6192525	-103.2491790	115.77	0.30	-0.14	-2.65
5,271.00	5.58	250.58	5,261.41	53.99	-226.36	722,033.79	1,092,455.74	31.6192433	-103.2492066	115.21	0.11	-0.10	0.65
5,365.00	5.41	250.58	5,354.98	51.00	-234.85	722,030.80	1,092,447.25	31.6192345	-103.2492336	114.71	0.18	-0.18	0.00
5,460.00	5.10	251.72	5,449.58	48.18	-243.09	722,027.98	1,092,439.01	31.6192261	-103.2492598	114.32	0.34	-0.33	1.20
5,555.00	4.92	249.53	5,544.22	45.43	-250.91	722,025.23	1,092,431.19	31.6192180	-103.2492847	113.87	0.28	-0.19	-2.31
5,650.00	4.92	247.59	5,638.87	42.45	-258.49	722,022.25	1,092,423.61	31.6192093	-103.2493088	113.13	0.18	0.00	-2.04
5,745.00	3.91	267.11	5,733.59	40.74	-265.50	722,020.54	1,092,416.60	31.6192041	-103.2493311	113.45	1.89	-1.06	20.55
5,839.00	3.38	269.04	5,827.40	40.53	-271.47	722,020.33	1,092,410.63	31.6192031	-103.2493503	114.92	0.58	-0.56	2.05
5,933.00	4.22	286.00	5,921.20	41.44	-277.56	722,021.24	1,092,404.54	31.6192051	-103.2493700	117.50	1.48	0.89	18.04
6,028.00	4.57	293.30	6,015.92	43.90	-284.40	722,023.70	1,092,397.70	31.6192114	-103.2493921	121.77	0.69	0.37	7.68
6,122.00	4.35	295.14	6,109.63	46.89	-291.07	722,026.69	1,092,391.03	31.6192191	-103.2494138	126.52	0.28	-0.23	1.96
6,217.00	4.31	293.39	6,204.36	49.84	-297.60	722,029.64	1,092,384.50	31.6192268	-103.2494350	131.18	0.15	-0.04	-1.84
6,312.00	4.26	292.15	6,299.10	52.59	-304.15	722,032.39	1,092,377.95	31.6192339	-103.2494563	135.65	0.11	-0.05	-1.31
6,407.00	4.18	290.13	6,393.84	55.11	-310.67	722,034.91	1,092,371.43	31.6192403	-103.2494774	139.89	0.18	-0.08	-2.13
6,501.00	2.33	281.34	6,487.68	56.67	-315.76	722,036.47	1,092,366.34	31.6192442	-103.2494939	142.81	2.03	-1.97	-9.35
6,595.00	1.27	262.45	6,581.64	56.90	-318.66	722,036.70	1,092,363.44	31.6192447	-103.2495032	143.85	1.28	-1.13	-20.10
6,689.00	0.57	97.56	6,675.63	56.71	-319.23	722,036.51	1,092,362.87	31.6192441	-103.2495051	143.82	1.94	-0.74	-175.41
6,784.00	0.48	101.17	6,770.63	56.57	-318.37	722,036.37	1,092,363.73	31.6192438	-103.2495023	143.45	0.10	-0.09	3.80
6,878.00	0.22	73.75	6,864.62	56.54	-317.81	722,036.34	1,092,364.29	31.6192437	-103.2495005	143.27	0.32	-0.28	-29.17
6,972.00	0.13	106.09	6,958.62	56.56	-317.54	722,036.36	1,092,364.56	31.6192438	-103.2494996	143.21	0.14	-0.10	34.40
7,067.00	0.22	275.81	7,053.62	56.55	-317.62	722,036.35	1,092,364.48	31.6192438	-103.2494999	143.22	0.37	0.09	178.65
7,162.00	0.53	257.00	7,148.62	56.47	-318.23	722,036.27	1,092,363.87	31.6192435	-103.2495018	143.31	0.35	0.33	-19.80
7,256.00	0.84	241.62	7,242.62	56.04	-319.26	722,035.84	1,092,362.84	31.6192423	-103.2495051	143.19	0.38	0.33	-16.36
7,350.00	1.54	268.78	7,336.59	55.69	-321.13	722,035.49	1,092,360.97	31.6192412	-103.2495110	143.38	0.94	0.74	28.89
7,445.00	1.67	270.18	7,431.56	55.67	-323.79	722,035.47	1,092,358.31	31.6192409	-103.2495196	144.10	0.14	0.14	1.47
7,540.00	1.71	259.72	7,526.52	55.42	-326.56	722,035.22	1,092,355.54	31.6192400	-103.2495285	144.64	0.33	0.04	-11.01
7,635.00	1.67	240.74	7,621.48	54.49	-329.17	722,034.29	1,092,352.93	31.6192373	-103.2495368	144.48	0.59	-0.04	-19.98

Survey Report

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Project: Ward County, TX (NAD27)	TVD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Geo Coordinates (°)		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
7,727.00	1.32	226.85	7,713.44	53.11	-331.11	722,032.91	1,092,350.99	31.6192333	-103.2495429	143.69	0.54	-0.38	-15.10
7,822.00	1.23	223.42	7,808.42	51.62	-332.61	722,031.42	1,092,349.49	31.6192291	-103.2495476	142.69	0.12	-0.09	-3.61
7,916.00	0.62	238.72	7,902.41	50.62	-333.74	722,030.42	1,092,348.36	31.6192263	-103.2495511	142.04	0.69	-0.65	16.28
8,011.00	0.66	258.23	7,997.40	50.25	-334.71	722,030.05	1,092,347.39	31.6192252	-103.2495542	141.95	0.23	0.04	20.54
8,105.00	0.79	253.57	8,091.40	49.95	-335.86	722,029.75	1,092,346.24	31.6192243	-103.2495579	141.99	0.15	0.14	-4.96
8,200.00	1.05	248.47	8,186.38	49.45	-337.30	722,029.25	1,092,344.80	31.6192228	-103.2495625	141.91	0.29	0.27	-5.37
8,294.00	1.32	269.21	8,280.36	49.12	-339.18	722,028.92	1,092,342.92	31.6192218	-103.2495685	142.12	0.53	0.29	22.06
8,388.00	1.05	318.79	8,374.35	49.75	-340.84	722,029.55	1,092,341.26	31.6192234	-103.2495738	143.19	1.09	-0.29	52.74
8,482.00	1.10	0.80	8,468.33	51.30	-341.39	722,031.10	1,092,340.71	31.6192276	-103.2495758	144.84	0.82	0.05	44.69
8,576.00	1.41	357.81	8,562.31	53.36	-341.42	722,033.16	1,092,340.68	31.6192333	-103.2495760	146.82	0.34	0.33	-3.18
8,671.00	1.80	339.44	8,657.27	55.92	-341.99	722,035.72	1,092,340.11	31.6192403	-103.2495781	149.44	0.67	0.41	-19.34
8,766.00	1.98	327.22	8,752.22	58.70	-343.40	722,038.50	1,092,338.70	31.6192478	-103.2495828	152.50	0.46	0.19	-12.86
8,861.00	1.49	349.55	8,847.18	61.29	-344.52	722,041.09	1,092,337.58	31.6192549	-103.2495866	155.30	0.87	-0.52	23.51
8,963.00	1.76	346.30	8,949.14	64.12	-345.13	722,043.92	1,092,336.97	31.6192626	-103.2495888	158.19	0.28	0.26	-3.19
9,057.00	1.80	325.90	9,043.09	66.74	-346.30	722,046.54	1,092,335.80	31.6192697	-103.2495928	161.04	0.67	0.04	-21.70
9,152.00	1.80	324.15	9,138.04	69.19	-348.01	722,048.99	1,092,334.09	31.6192763	-103.2495985	163.86	0.06	0.00	-1.84
9,246.00	2.07	322.65	9,231.99	71.73	-349.90	722,051.53	1,092,332.20	31.6192832	-103.2496048	166.84	0.29	0.29	-1.60
9,340.00	3.34	323.44	9,325.88	75.28	-352.56	722,055.08	1,092,329.54	31.6192927	-103.2496137	170.99	1.35	1.35	0.84
9,434.00	3.52	350.95	9,419.72	80.33	-354.65	722,060.13	1,092,327.45	31.6193065	-103.2496208	176.42	1.74	0.19	29.27
9,529.00	1.41	348.23	9,514.63	84.36	-355.34	722,064.16	1,092,326.76	31.6193175	-103.2496234	180.48	2.22	-2.22	-2.86
9,622.00	1.49	3.52	9,607.60	86.69	-355.50	722,066.49	1,092,326.60	31.6193239	-103.2496241	182.76	0.42	0.09	16.44
9,717.00	1.27	358.78	9,702.57	88.97	-355.45	722,068.77	1,092,326.65	31.6193301	-103.2496241	184.94	0.26	-0.23	-4.99
9,810.00	0.62	24.35	9,795.56	90.46	-355.26	722,070.26	1,092,326.84	31.6193343	-103.2496236	186.31	0.82	-0.70	27.49
9,904.00	0.70	132.19	9,889.56	90.54	-354.63	722,070.34	1,092,327.47	31.6193345	-103.2496216	186.21	1.14	0.09	114.72
9,997.00	0.18	39.56	9,982.55	90.27	-354.12	722,070.07	1,092,327.98	31.6193338	-103.2496199	185.81	0.79	-0.56	-99.60
10,091.00	2.29	356.58	10,076.53	92.26	-354.13	722,072.06	1,092,327.97	31.6193393	-103.2496201	187.72	2.30	2.24	-45.72
10,186.00	4.26	356.14	10,171.37	97.67	-354.48	722,077.47	1,092,327.62	31.6193541	-103.2496217	193.02	2.07	2.07	-0.46
10,281.00	4.22	359.92	10,266.11	104.69	-354.73	722,084.49	1,092,327.37	31.6193734	-103.2496231	199.82	0.30	-0.04	3.98
10,376.00	2.59	356.84	10,360.94	110.33	-354.85	722,090.13	1,092,327.25	31.6193889	-103.2496240	205.27	1.73	-1.72	-3.24
10,465.00	3.12	345.59	10,449.83	114.68	-355.56	722,094.48	1,092,326.54	31.6194008	-103.2496266	209.65	0.86	0.60	-12.64
10,542.00	7.64	348.05	10,526.47	121.72	-357.15	722,101.52	1,092,324.95	31.6194200	-103.2496323	216.86	5.88	5.88	3.20
KOP - 10542.00' MD (70' FNL, 260' FWL)													
10,587.00	10.29	348.49	10,570.91	128.59	-358.57	722,108.39	1,092,323.53	31.6194388	-103.2496374	223.85	5.88	5.88	0.97
10,682.00	25.14	358.51	10,661.17	157.25	-360.80	722,137.05	1,092,321.30	31.6195174	-103.2496470	251.98	15.90	15.63	10.55
10,757.00	30.30	351.51	10,727.56	191.91	-364.01	722,171.71	1,092,318.09	31.6196124	-103.2496602	286.16	8.12	6.87	-9.34
Crossed Section - 10757.00' MD (0' FSL, 272' FWL)													
10,776.00	31.65	350.07	10,743.85	201.56	-365.58	722,181.36	1,092,316.52	31.6196388	-103.2496661	295.86	8.12	7.13	-7.56
10,871.00	41.41	350.78	10,820.10	257.26	-374.93	722,237.06	1,092,307.17	31.6197912	-103.2497008	351.95	10.28	10.27	0.75

Survey Report

Company: Continental Resources, Inc.	Local Co-ordinate Reference: Well UTL 0708A #0601H
Project: Ward County, TX (NAD27)	TVD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Geo Coordinates (°)		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
10,965.00	50.55	351.57	10,885.35	323.99	-385.26	722,303.79	1,092,296.84	31.6199739	-103.2497396	418.90	9.74	9.72	0.84
11,057.00	66.64	346.91	10,933.15	400.80	-400.13	722,380.60	1,092,281.97	31.6201839	-103.2497938	496.80	18.01	17.49	-5.07
11,132.00	78.64	345.06	10,955.49	470.11	-417.47	722,449.91	1,092,264.63	31.6203731	-103.2498554	568.20	16.17	16.00	-2.47
11,183.00	82.95	343.85	10,963.65	518.60	-430.96	722,498.40	1,092,251.14	31.6205054	-103.2499028	618.52	8.76	8.44	-2.37
LP - 11183.00' MD (332' FSL, 300' FWL)													
11,195.00	83.96	343.57	10,965.02	530.04	-434.31	722,509.84	1,092,247.79	31.6205366	-103.2499145	630.44	8.76	8.45	-2.34
11,266.00	85.05	342.69	10,971.82	597.67	-454.82	722,577.47	1,092,227.28	31.6207210	-103.2499860	701.11	1.97	1.54	-1.24
11,360.00	86.29	342.43	10,978.91	687.09	-482.91	722,666.89	1,092,199.19	31.6209647	-103.2500838	794.82	1.35	1.32	-0.28
11,453.00	89.14	342.96	10,982.62	775.80	-510.55	722,755.60	1,092,171.55	31.6212065	-103.2501800	887.72	3.12	3.06	0.57
11,548.00	90.86	345.33	10,982.62	867.18	-536.50	722,846.98	1,092,145.60	31.6214558	-103.2502711	982.71	3.08	1.81	2.49
11,642.00	89.23	345.15	10,982.55	958.07	-560.45	722,937.87	1,092,121.65	31.6217039	-103.2503556	1,076.67	1.74	-1.73	-0.19
11,737.00	90.20	346.73	10,983.02	1,050.22	-583.52	723,030.02	1,092,098.58	31.6219554	-103.2504375	1,171.60	1.95	1.02	1.66
11,830.00	89.49	345.77	10,983.27	1,140.56	-605.63	723,120.36	1,092,076.47	31.6222021	-103.2505161	1,264.51	1.28	-0.76	-1.03
11,925.00	96.53	349.20	10,978.28	1,233.10	-626.18	723,212.90	1,092,055.92	31.6224550	-103.2505899	1,359.10	8.24	7.41	3.61
12,019.00	90.77	347.88	10,972.30	1,324.99	-644.81	723,304.79	1,092,037.29	31.6227062	-103.2506575	1,452.54	6.29	-6.13	-1.40
12,113.00	90.99	348.67	10,970.86	1,417.02	-663.91	723,396.82	1,092,018.19	31.6229577	-103.2507266	1,546.23	0.87	0.23	0.84
12,207.00	88.35	347.61	10,971.40	1,509.00	-683.23	723,488.80	1,091,998.87	31.6232091	-103.2507964	1,639.95	3.03	-2.81	-1.13
12,301.00	87.25	345.59	10,975.01	1,600.37	-704.99	723,580.17	1,091,977.11	31.6234586	-103.2508740	1,733.75	2.45	-1.17	-2.15
12,396.00	88.31	346.21	10,978.69	1,692.44	-728.12	723,672.24	1,091,953.98	31.6237100	-103.2509560	1,828.61	1.29	1.12	0.65
12,490.00	90.37	345.86	10,979.77	1,783.65	-750.80	723,763.45	1,091,931.30	31.6239590	-103.2510365	1,922.53	2.22	2.19	-0.37
12,583.00	89.80	343.39	10,979.63	1,873.31	-775.46	723,853.11	1,091,906.64	31.6242036	-103.2511233	2,015.51	2.73	-0.61	-2.66
12,677.00	88.79	343.39	10,980.79	1,963.38	-802.33	723,943.18	1,091,879.77	31.6244492	-103.2512171	2,109.50	1.07	-1.07	0.00
12,772.00	88.13	344.01	10,983.34	2,054.53	-828.98	724,034.33	1,091,853.12	31.6246978	-103.2513104	2,204.46	0.95	-0.69	0.65
12,866.00	86.81	344.54	10,987.49	2,144.92	-854.43	724,124.72	1,091,827.67	31.6249444	-103.2513998	2,298.36	1.51	-1.40	0.56
12,960.00	88.48	342.25	10,991.35	2,234.92	-881.27	724,214.72	1,091,800.83	31.6251898	-103.2514936	2,392.27	3.01	1.78	-2.44
13,054.00	87.12	341.37	10,994.96	2,324.15	-910.59	724,303.95	1,091,771.51	31.6254329	-103.2515952	2,486.15	1.72	-1.45	-0.94
13,149.00	88.84	341.90	10,998.31	2,414.25	-940.50	724,394.05	1,091,741.60	31.6256784	-103.2516989	2,581.02	1.89	1.81	0.56
13,242.00	91.91	342.96	10,997.70	2,502.90	-968.57	724,482.70	1,091,713.53	31.6259200	-103.2517965	2,673.98	3.49	3.30	1.14
13,336.00	91.30	343.22	10,995.07	2,592.80	-995.90	724,572.60	1,091,686.20	31.6261651	-103.2518919	2,767.94	0.71	-0.65	0.28
13,431.00	90.99	342.96	10,993.17	2,683.67	-1,023.53	724,663.47	1,091,658.57	31.6264128	-103.2519883	2,862.91	0.43	-0.33	-0.27
13,525.00	89.45	341.29	10,992.81	2,773.13	-1,052.38	724,752.93	1,091,629.72	31.6266566	-103.2520885	2,956.87	2.42	-1.64	-1.78
13,619.00	92.66	342.96	10,991.08	2,862.56	-1,081.22	724,842.36	1,091,600.88	31.6269003	-103.2521886	3,050.80	3.85	3.41	1.78
13,713.00	94.11	343.48	10,985.53	2,952.40	-1,108.31	724,932.20	1,091,573.79	31.6271452	-103.2522832	3,144.63	1.64	1.54	0.55
13,807.00	93.01	343.48	10,979.69	3,042.34	-1,134.99	725,022.14	1,091,547.11	31.6273905	-103.2523765	3,238.44	1.17	-1.17	0.00
13,901.00	93.49	343.75	10,974.36	3,132.38	-1,161.46	725,112.18	1,091,520.64	31.6276360	-103.2524691	3,332.29	0.59	0.51	0.29
13,995.00	90.29	343.22	10,971.26	3,222.44	-1,188.17	725,202.24	1,091,493.93	31.6278816	-103.2525625	3,426.23	3.45	-3.40	-0.56
14,089.00	90.81	345.59	10,970.36	3,312.97	-1,213.43	725,292.77	1,091,468.67	31.6281286	-103.2526512	3,520.21	2.58	0.55	2.52
14,184.00	88.79	343.57	10,970.69	3,404.54	-1,238.69	725,384.34	1,091,443.41	31.6283784	-103.2527401	3,615.19	3.01	-2.13	-2.13

Survey Report

Company: Continental Resources, Inc.	Local Co-ordinate Reference: Well UTL 0708A #0601H
Project: Ward County, TX (NAD27)	TVD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,277.00	87.30	340.05	10,973.87	3,492.82	-1,267.70	725,472.62	1,091,414.40	31.6286189	-103.2528407	3,708.07	4.11	-1.60	-3.78
14,371.00	86.77	341.11	10,978.73	3,581.36	-1,298.91	725,561.16	1,091,383.19	31.6288600	-103.2529484	3,801.80	1.26	-0.56	1.13
14,465.00	89.32	344.54	10,981.94	3,671.09	-1,326.64	725,650.89	1,091,355.46	31.6291046	-103.2530450	3,895.71	4.54	2.71	3.65
14,560.00	90.15	344.45	10,982.38	3,762.63	-1,352.04	725,742.43	1,091,330.06	31.6293543	-103.2531343	3,990.70	0.88	0.87	-0.09
14,654.00	89.67	344.98	10,982.52	3,853.31	-1,376.82	725,833.11	1,091,305.28	31.6296017	-103.2532216	4,084.68	0.76	-0.51	0.56
14,747.00	88.79	344.89	10,983.77	3,943.10	-1,400.99	725,922.90	1,091,281.11	31.6298468	-103.2533068	4,177.65	0.95	-0.95	-0.10
14,841.00	89.85	345.24	10,984.89	4,033.92	-1,425.21	726,013.72	1,091,256.89	31.6300946	-103.2533922	4,271.62	1.19	1.13	0.37
14,935.00	89.05	344.27	10,985.79	4,124.60	-1,449.93	726,104.40	1,091,232.17	31.6303421	-103.2534792	4,365.60	1.34	-0.85	-1.03
15,029.00	90.37	345.15	10,986.27	4,215.27	-1,474.71	726,195.07	1,091,207.39	31.6305894	-103.2535665	4,459.58	1.69	1.40	0.94
15,123.00	90.68	346.21	10,985.41	4,306.35	-1,497.96	726,286.15	1,091,184.14	31.6308381	-103.2536488	4,553.52	1.17	0.33	1.13
15,217.00	88.88	345.94	10,985.77	4,397.58	-1,520.58	726,377.38	1,091,161.52	31.6310871	-103.2537292	4,647.44	1.94	-1.91	-0.29
15,310.00	89.01	344.36	10,987.48	4,487.46	-1,544.41	726,467.26	1,091,137.69	31.6313324	-103.2538133	4,740.39	1.70	0.14	-1.70
15,404.00	91.12	343.04	10,987.37	4,577.67	-1,570.79	726,557.47	1,091,111.31	31.6315785	-103.2539057	4,834.39	2.65	2.24	-1.40
15,499.00	91.91	342.60	10,984.86	4,668.40	-1,598.84	726,648.20	1,091,083.26	31.6318258	-103.2540034	4,929.34	0.95	0.83	-0.46
15,593.00	91.87	341.72	10,981.76	4,757.83	-1,627.63	726,737.63	1,091,054.47	31.6320695	-103.2541034	5,023.25	0.94	-0.04	-0.94
15,688.00	90.46	342.16	10,979.83	4,848.13	-1,657.07	726,827.93	1,091,025.03	31.6323155	-103.2542056	5,118.18	1.55	-1.48	0.46
15,782.00	90.51	342.96	10,979.03	4,937.80	-1,685.24	726,917.60	1,090,996.86	31.6325599	-103.2543036	5,212.16	0.85	0.05	0.85
15,875.00	92.35	343.83	10,976.71	5,026.89	-1,711.81	727,006.69	1,090,970.29	31.6328028	-103.2543965	5,305.12	2.19	1.98	0.94
15,969.00	87.30	343.83	10,977.00	5,117.14	-1,737.98	727,096.94	1,090,944.12	31.6330490	-103.2544881	5,399.09	5.37	-5.37	0.00
16,062.00	86.02	344.36	10,982.42	5,206.43	-1,763.42	727,186.23	1,090,918.68	31.6332925	-103.2545774	5,491.93	1.49	-1.38	0.57
16,143.00	86.63	344.96	10,987.61	5,284.38	-1,784.80	727,264.18	1,090,897.30	31.6335052	-103.2546526	5,572.75	1.06	0.76	0.74
Crossed Section - 16143.00' MD (0' FSL, 335' FWL)													
16,156.00	86.73	345.06	10,988.36	5,296.92	-1,788.16	727,276.72	1,090,893.94	31.6335394	-103.2546645	5,585.73	1.06	0.76	0.74
16,249.00	85.58	344.54	10,994.60	5,386.46	-1,812.49	727,366.26	1,090,869.61	31.6337837	-103.2547502	5,678.50	1.36	-1.24	-0.56
16,343.00	85.90	343.13	11,001.58	5,476.49	-1,838.58	727,456.29	1,090,843.52	31.6340293	-103.2548416	5,772.24	1.53	0.34	-1.50
16,438.00	88.40	343.04	11,006.30	5,567.26	-1,866.19	727,547.06	1,090,815.91	31.6342767	-103.2549379	5,867.11	2.63	2.63	-0.09
16,531.00	86.02	342.69	11,010.83	5,656.03	-1,893.55	727,635.82	1,090,788.55	31.6345187	-103.2550333	5,959.98	2.59	-2.56	-0.38
16,625.00	87.47	342.43	11,016.17	5,745.56	-1,921.68	727,725.36	1,090,760.42	31.6347627	-103.2551312	6,053.80	1.57	1.54	-0.28
16,719.00	89.76	342.34	11,018.44	5,835.12	-1,950.12	727,814.92	1,090,731.98	31.6350068	-103.2552301	6,147.74	2.44	2.44	-0.10
16,812.00	86.42	340.76	11,021.54	5,923.27	-1,979.53	727,903.07	1,090,702.57	31.6352470	-103.2553320	6,240.61	3.97	-3.59	-1.70
16,906.00	88.70	341.37	11,025.54	6,012.10	-2,010.00	727,991.90	1,090,672.10	31.6354889	-103.2554374	6,334.41	2.51	2.43	0.65
17,000.00	90.33	343.66	11,026.34	6,101.74	-2,038.24	728,081.54	1,090,643.86	31.6357332	-103.2555356	6,428.38	2.99	1.73	2.44
17,094.00	91.16	344.01	11,025.11	6,192.02	-2,064.40	728,171.82	1,090,617.70	31.6359794	-103.2556273	6,522.37	0.96	0.88	0.37
17,187.00	87.82	345.33	11,025.94	6,281.69	-2,088.99	728,261.49	1,090,593.11	31.6362241	-103.2557138	6,615.34	3.86	-3.59	1.42
17,282.00	85.93	344.54	11,031.12	6,373.29	-2,113.64	728,353.09	1,090,568.46	31.6364740	-103.2558008	6,710.17	2.16	-1.99	-0.83
17,376.00	87.91	344.01	11,036.17	6,463.63	-2,139.08	728,443.43	1,090,543.02	31.6367205	-103.2558901	6,804.03	2.18	2.11	-0.56
17,470.00	88.97	343.39	11,038.73	6,553.82	-2,165.45	728,533.62	1,090,516.65	31.6369664	-103.2559824	6,897.99	1.31	1.13	-0.66

Survey Report

Company: Continental Resources, Inc.	Local Co-ordinate Reference: Well UTL 0708A #0601H
Project: Ward County, TX (NAD27)	TVD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,564.00	90.95	343.66	11,038.80	6,643.95	-2,192.11	728,623.75	1,090,489.99	31.6372122	-103.2560756	6,991.99	2.13	2.11	0.29
17,658.00	91.12	344.54	11,037.10	6,734.34	-2,217.85	728,714.14	1,090,464.25	31.6374587	-103.2561660	7,085.97	0.95	0.18	0.94
17,752.00	90.33	344.63	11,035.91	6,824.95	-2,242.84	728,804.75	1,090,439.26	31.6377059	-103.2562539	7,179.95	0.85	-0.84	0.10
17,846.00	92.48	346.21	11,033.60	6,915.89	-2,266.49	728,895.69	1,090,415.61	31.6379541	-103.2563375	7,273.87	2.84	2.29	1.68
17,939.00	90.81	344.63	11,030.93	7,005.85	-2,289.89	728,985.65	1,090,392.21	31.6381997	-103.2564203	7,366.79	2.47	-1.80	-1.70
18,033.00	87.21	343.13	11,032.56	7,096.13	-2,315.98	729,075.93	1,090,366.12	31.6384459	-103.2565117	7,460.76	4.15	-3.83	-1.60
18,127.00	88.09	343.92	11,036.41	7,186.19	-2,342.62	729,165.99	1,090,339.48	31.6386915	-103.2566049	7,554.67	1.26	0.94	0.84
18,221.00	88.62	345.15	11,039.11	7,276.75	-2,367.67	729,256.55	1,090,314.43	31.6389385	-103.2566930	7,648.62	1.42	0.56	1.31
18,314.00	86.02	344.89	11,043.46	7,366.48	-2,391.68	729,346.28	1,090,290.42	31.6391834	-103.2567777	7,741.49	2.81	-2.80	-0.28
18,409.00	85.45	344.10	11,050.52	7,457.77	-2,417.01	729,437.57	1,090,265.09	31.6394325	-103.2568667	7,836.22	1.02	-0.60	-0.83
18,503.00	86.55	343.75	11,057.08	7,547.87	-2,442.97	729,527.67	1,090,239.13	31.6396782	-103.2569578	7,929.99	1.23	1.17	-0.37
18,597.00	87.87	342.52	11,061.66	7,637.72	-2,470.21	729,617.52	1,090,211.89	31.6399232	-103.2570528	8,023.87	1.92	1.40	-1.31
18,691.00	86.29	341.46	11,066.45	7,726.99	-2,499.23	729,706.79	1,090,182.87	31.6401664	-103.2571536	8,117.70	2.02	-1.68	-1.13
18,784.00	85.14	340.93	11,073.39	7,814.78	-2,529.13	729,794.58	1,090,152.97	31.6404055	-103.2572570	8,210.34	1.36	-1.24	-0.57
18,879.00	87.08	341.55	11,079.84	7,904.52	-2,559.61	729,884.32	1,090,122.49	31.6406499	-103.2573625	8,305.03	2.14	2.04	0.65
18,973.00	83.91	339.97	11,087.22	7,992.98	-2,590.48	729,972.78	1,090,091.62	31.6408908	-103.2574692	8,398.60	3.77	-3.37	-1.68
19,066.00	87.82	340.85	11,093.93	8,080.36	-2,621.57	730,060.15	1,090,060.53	31.6411287	-103.2575764	8,491.18	4.31	4.20	0.95
19,160.00	93.14	342.25	11,093.14	8,169.49	-2,651.31	730,149.29	1,090,030.79	31.6413715	-103.2576795	8,585.07	5.85	5.66	1.49
19,254.00	94.11	344.10	11,087.20	8,259.28	-2,678.46	730,239.08	1,090,003.64	31.6416163	-103.2577743	8,678.87	2.22	1.03	1.97
19,348.00	92.75	344.80	11,081.57	8,349.67	-2,703.61	730,329.47	1,089,978.49	31.6418629	-103.2578627	8,772.70	1.63	-1.45	0.74
19,442.00	91.78	346.56	11,077.86	8,440.68	-2,726.84	730,420.47	1,089,955.26	31.6421113	-103.2579450	8,866.56	2.14	-1.03	1.87
19,535.00	91.65	344.54	11,075.07	8,530.69	-2,750.04	730,510.49	1,089,932.06	31.6423570	-103.2580271	8,959.47	2.18	-0.14	-2.17
19,629.00	88.35	344.62	11,075.07	8,621.29	-2,775.03	730,601.09	1,089,907.07	31.6426042	-103.2581150	9,053.45	3.51	-3.51	0.09
19,723.00	87.25	344.27	11,078.68	8,711.78	-2,800.22	730,691.58	1,089,881.88	31.6428511	-103.2582036	9,147.37	1.23	-1.17	-0.37
19,817.00	87.52	344.89	11,082.97	8,802.30	-2,825.19	730,782.10	1,089,856.91	31.6430980	-103.2582915	9,241.26	0.72	0.29	0.66
19,912.00	85.41	343.39	11,088.83	8,893.50	-2,851.09	730,873.30	1,089,831.01	31.6433468	-103.2583824	9,336.07	2.72	-2.22	-1.58
20,006.00	84.84	343.22	11,096.82	8,983.22	-2,878.00	730,963.02	1,089,804.10	31.6435914	-103.2584764	9,429.73	0.63	-0.61	-0.18
20,099.00	86.42	343.39	11,103.90	9,072.03	-2,904.64	731,051.83	1,089,777.46	31.6438336	-103.2585695	9,522.45	1.71	1.70	0.18
20,193.00	86.59	344.80	11,109.63	9,162.26	-2,930.35	731,142.06	1,089,751.75	31.6440797	-103.2586597	9,616.27	1.51	0.18	1.50
20,287.00	85.58	343.83	11,116.05	9,252.55	-2,955.70	731,232.35	1,089,726.40	31.6443260	-103.2587488	9,710.05	1.49	-1.07	-1.03
20,380.00	85.36	343.39	11,123.40	9,341.49	-2,981.86	731,321.29	1,089,700.24	31.6445685	-103.2588403	9,802.75	0.53	-0.24	-0.47
20,537.00	84.31	342.95	11,137.53	9,491.16	-3,027.13	731,470.96	1,089,654.97	31.6449765	-103.2589984	9,959.11	0.72	-0.67	-0.28
20,568.00	84.09	342.24	11,140.66	9,520.58	-3,036.36	731,500.38	1,089,645.74	31.6450568	-103.2590305	9,989.94	2.39	-0.71	-2.29
20,651.00	83.56	341.72	11,149.59	9,599.06	-3,061.89	731,578.86	1,089,620.21	31.6452706	-103.2591191	10,072.42	0.89	-0.64	-0.63

Last Survey - 20651.00' MD

20,706.00	83.56	341.72	11,155.76	9,650.95	-3,079.03	731,630.75	1,089,603.07	31.6454119	-103.2591786	10,127.04	0.00	0.00	0.00
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Actual BHL - 20706.00' MD (732' FNL, 315' FWL)

Survey Report

Company: Continental Resources, Inc.	Local Co-ordinate Reference: Well UTL 0708A #0601H
Project: Ward County, TX (NAD27)	TVD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Site: UTL 0708 #1H-#4H Pad	MD Reference: GE 2768 + 21.50 @ 2789.50usft (Unit 407)
Well: UTL 0708A #0601H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
UTL 0708A #0601H B	0.00	360.00	11,155.76	9,650.95	-3,079.03	731,630.75	1,089,603.08	31.6454119	-103.2591786
- actual wellpath hits target center									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,542.00	10,526.47	121.72	-357.15	KOP - 10542.00' MD (70' FNL, 260' FWL)
10,757.00	10,727.56	191.91	-364.01	Crossed Section - 10757.00' MD (0' FSL, 272' FWL)
11,183.00	10,963.65	518.60	-430.96	LP - 11183.00' MD (332' FSL, 300' FWL)
16,143.00	10,987.61	5,284.38	-1,784.80	Crossed Section - 16143.00' MD (0' FSL, 335' FWL)
20,651.00	11,149.59	9,599.06	-3,061.89	Last Survey - 20651.00' MD
20,706.00	11,155.76	9,650.95	-3,079.03	Actual BHL - 20706.00' MD (732' FNL, 315' FWL)

Checked By: _____ Approved By: _____ Date: _____