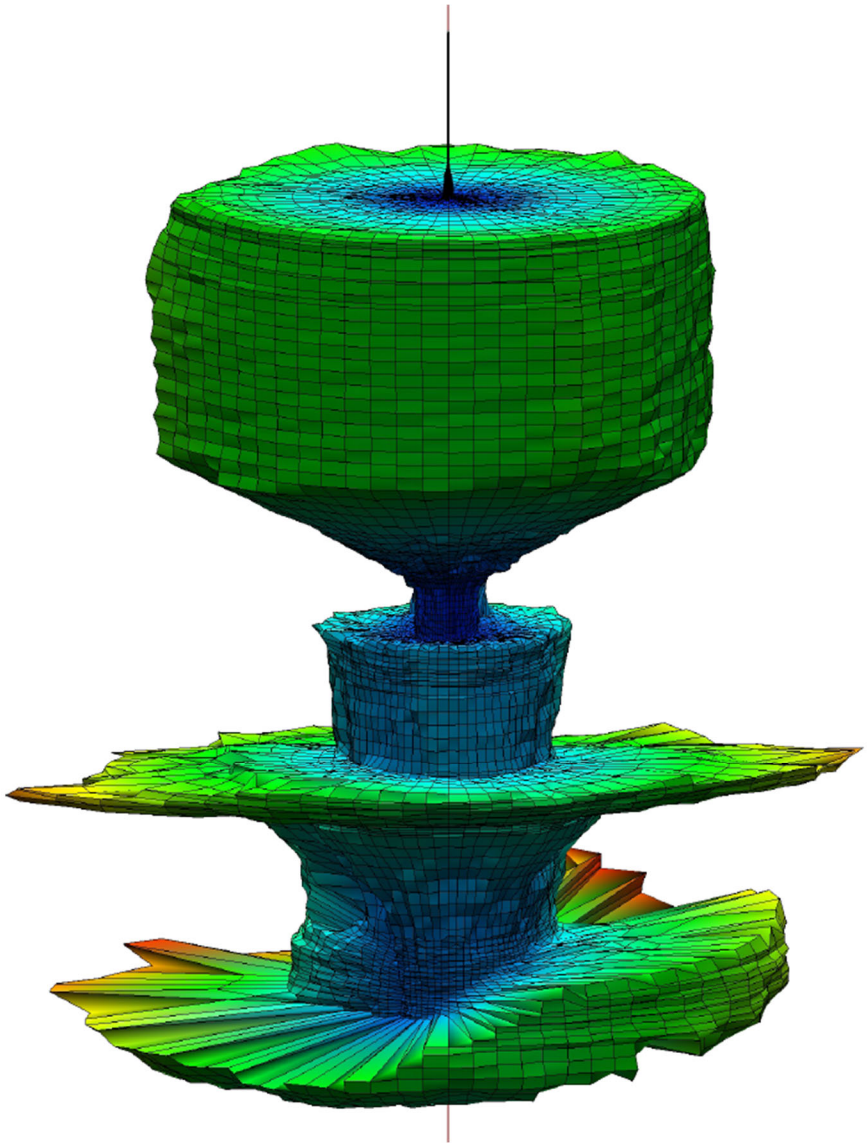
SONIC SURVEYS
CAVERN EXPERIENCE YOU CAN DEPEND ON
FLODIM
Challenging the limits

P.O. Box 719 Mont Belvieu, TX 77580 Office: 281-385-6500 Fax: 281-385-2628 Email: rickyl@sonic-surveys.com

Westlake Chemicals
PPG No. 006X
Sulphur Mines
Calcasieu Parish, Louisiana
October 28, 2023
Through Pipe Sonar Survey



Survey Conducted by: Richard Lawrence
Company Representative: Mr. Don Culpepper – Lonquist

Serving the Storage Well Industry Since 1978

SONIC SURVEYS
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SONIC SURVEYS
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Well Information

Company:	Westlake Chemicals
Well Number:	PPG No. 006X
Field:	Sulphur Mines
State:	Louisiana
Parish:	Calcasieu
API No.	17-019-04009
Serial No.	57788

Cemented Casing:	7-5/8 in. @ 2505 ft.
Hanging String:	5-1/2 in. @ 2644 ft.
Total Depth:	3267.2 ft.

Permanent Datum:	B.H.F
Depth Correction:	+10.4 ft.

Total Volume BBL:	9,836,946.34
Total Volume Ft^3:	55,230,354.97

Sonar Tool Orientation:

Sonar tool serial number SON-073-031 magnetic compass calibration performed on July 20, 2023.

The sonar survey was run using the fiber optic gyro which was set using the magnetic north of the internal compass at the depth of the cavern 2700 feet. The orientation was checked on surface after the survey to verify the orientation.

Operation No. 0 – Sonarwire – 2016.07.06 – Through Pipe Sonar
Operation No. 1 – Sonic Surveys / Flodim – 2021.12.13 – Through Pipe Sonar
Operation No. 2 – Sonic Surveys / Flodim – 2022.03.12 – Through Pipe Sonar
Operation No. 3 – Sonic Surveys / Flodim – 2023.10.28 – Through Pipe Sonar

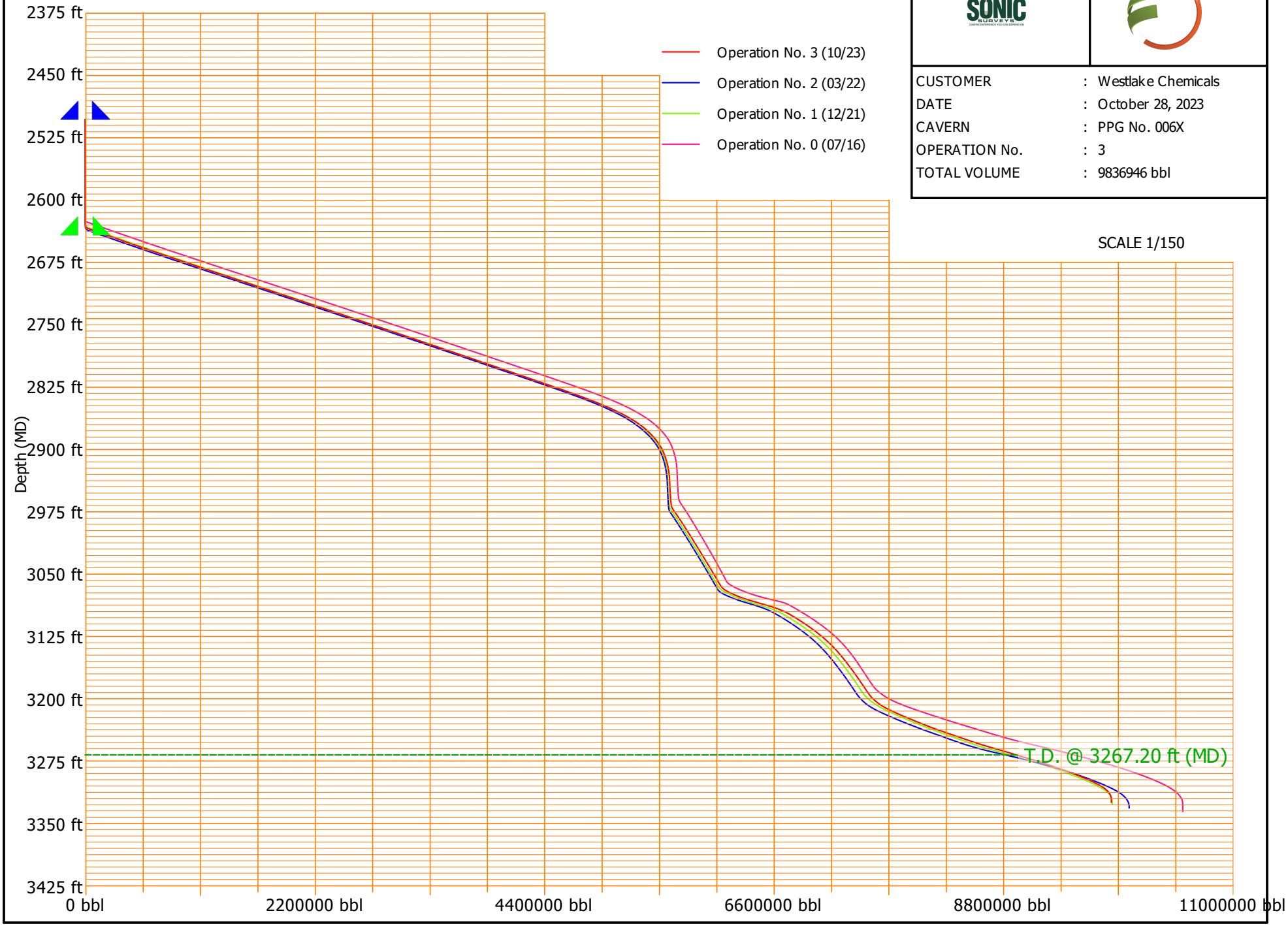
SONIC SURVEYS
CAVERN EXPERIENCE YOU CAN DEPEND ON
FLODIM
Challenging the limits

List of Acquired Measurements

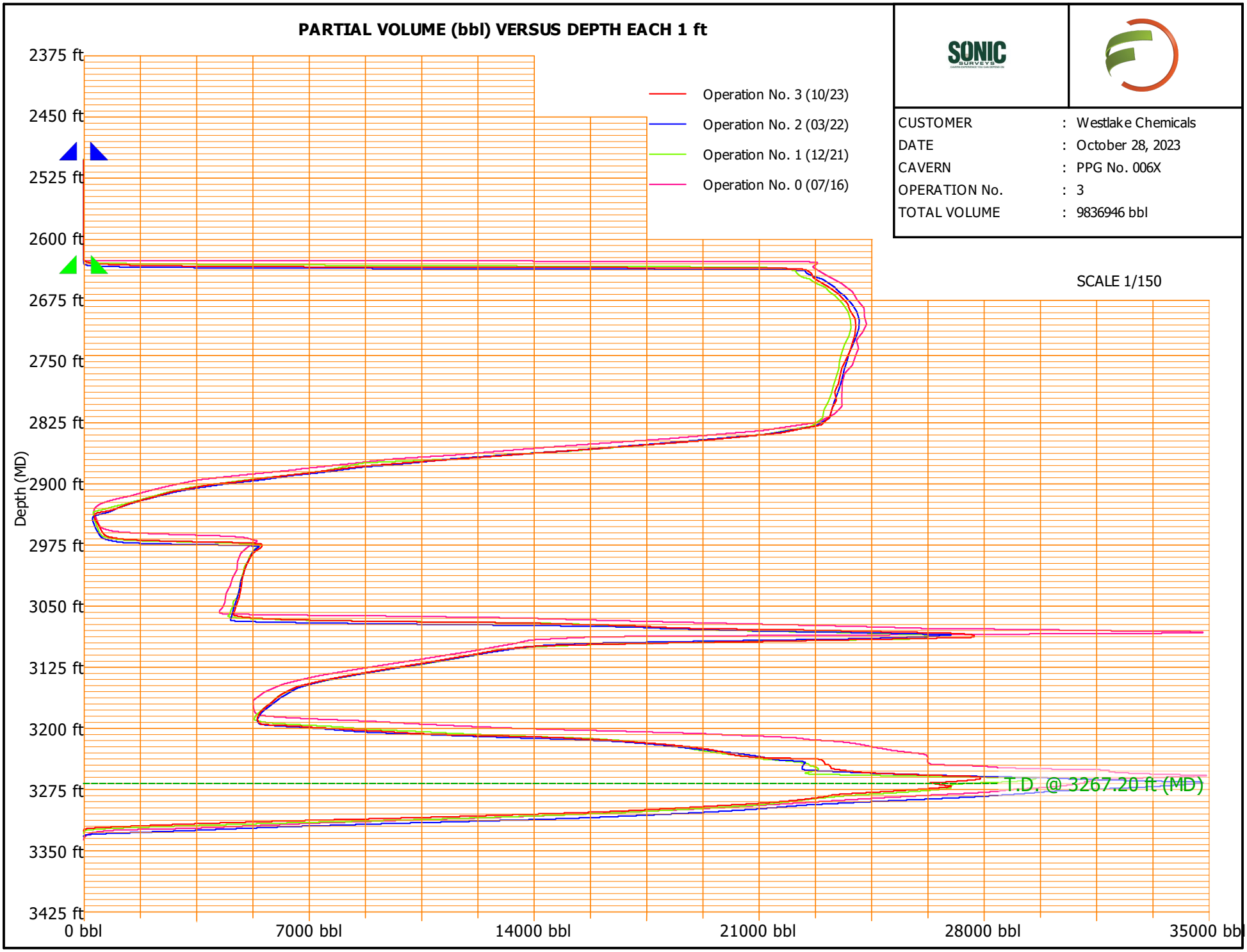
Sonar survey from 2505 ft. to 3260 ft.

- Oriented circular horizontal sections from 2505 ft to 2510 ft, with a step of 5 feet.
- Oriented circular horizontal sections from 2510 ft to 2630 ft, with a step of 10 feet.
- Oriented circular horizontal sections from 2630 ft to 2640 ft, with a step of 2 feet.
- Oriented circular horizontal sections from 2640 ft to 2650 ft, with a step of 5 feet.
- Oriented circular horizontal sections from 2650 ft to 2920 ft, with a step of 10 feet.
- Oriented circular horizontal sections from 2920 ft to 2960 ft, with a step of 5 feet.
- Oriented circular horizontal sections from 2960 ft to 3070 ft, with a step of 10 feet.
- Oriented circular horizontal sections from 3070 ft to 3100 ft, with a step of 5 feet.
- Oriented circular horizontal sections from 3100 ft to 3220 ft, with a step of 10 feet.
- Oriented circular horizontal sections from 3220 ft to 3260 ft, with a step of 5 feet.
- Up-tilted oriented circular sections from 2720 ft with a tilt of 10°, 15°, 20°, 22°, 24°, 26°, 28°, 30°, 33°, 36°, 39°, 42°, 45°, 48°, 51°, 54°, 57°, 60°, 63°, 66°, 69°, 72°, 75°, 78°, 81°, 84°, 87°, 89° with respect to the horizontal.
- Down-tilted oriented circular sections from 2850 ft with a tilt of -20°, -22°, -24°, -26°, -28°, -30°, -35°, -40°, -45°, -50°, -55°, -60°, -65°, -70°, -75° with respect to the horizontal.
- Up-tilted oriented circular sections from 3020 ft with a tilt of 10°, 15°, 18°, 20°, 22°, 24°, 27°, 30°, 33°, 36°, 39°, 42°, 45°, 48°, 51°, 54°, 57° with respect to the horizontal.
- Up-tilted oriented circular sections from 3110 ft with a tilt of 1°, 2°, 3°, 4°, 5°, 6°, 8°, 10°, 12°, 15°, 18°, 21°, 24°, 27°, 30° with respect to the horizontal.
- Up-tilted oriented circular sections from 3255 ft with a tilt of 3°, 6°, 9°, 12°, 15°, 18°, 21°, 24°, 27°, 30°, 33°, 36°, 39°, 42°, 45° with respect to the horizontal.
- Down-tilted oriented circular sections from 6200 ft with a tilt of -3°, -6°, -9°, -12°, -15°, -18°, -21°, -24°, -27°, -30°, -33°, -36°, -39°, -42°, -45°, -48°, -51°, -54°, -57°, -60°, -63°, -66°, -69°, -72°, -75°, -78°, -81°, -84°, -87° with respect to the horizontal.
- 1 complimentary measurement to determine the cavity floor depth.

TOTAL VOLUME (bbl) VERSUS DEPTH (ft)

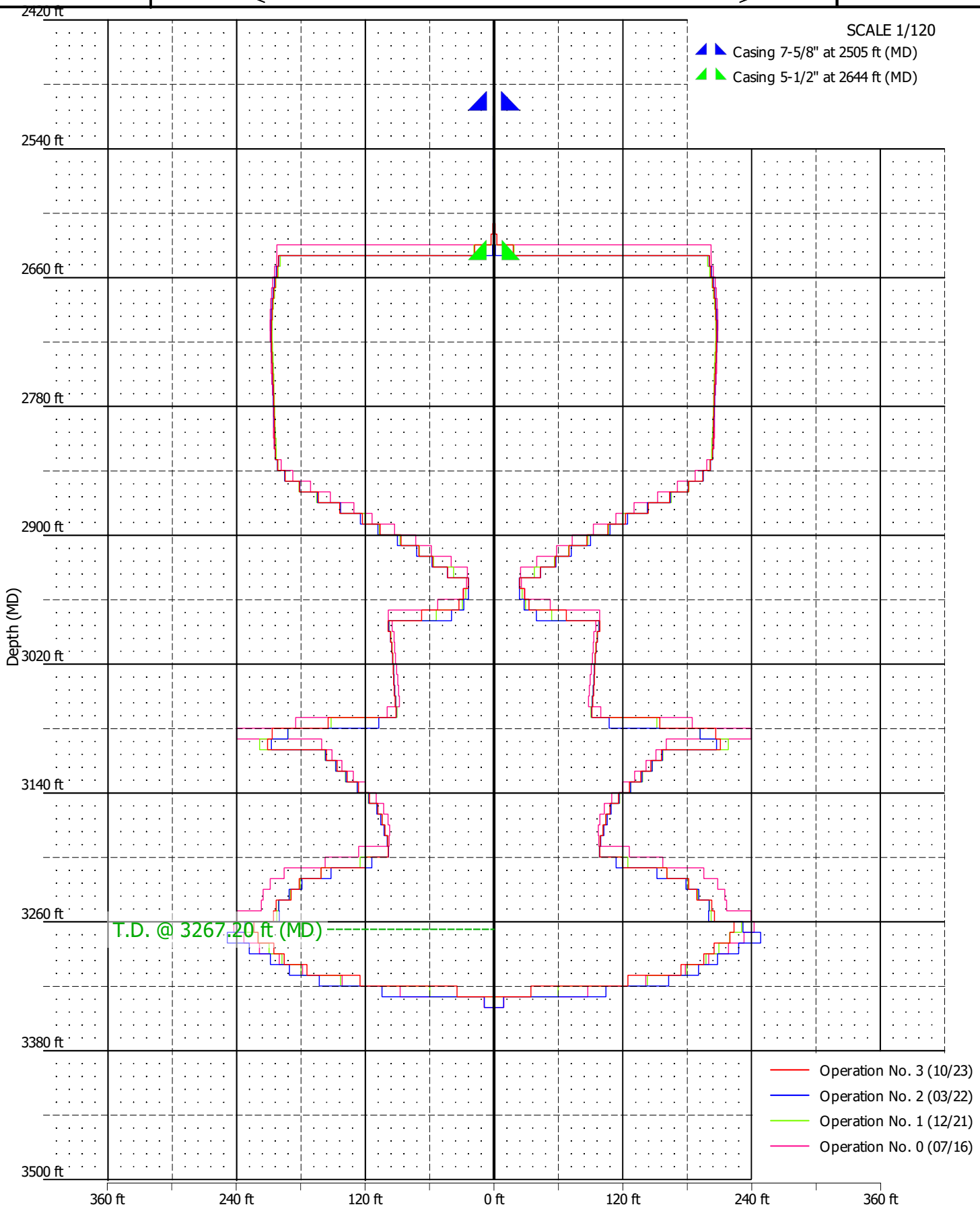


CUSTOMER	:	Westlake Chemicals
DATE	:	October 28, 2023
CAVERN	:	PPG No. 006X
OPERATION No.	:	3
TOTAL VOLUME	:	9836946 bbl


PARTIAL VOLUME (bbl) VERSUS DEPTH EACH 1 ft
Operation No. 3 (10/23)
Operation No. 2 (03/22)
Operation No. 1 (12/21)
Operation No. 0 (07/16)
CUSTOMER : Westlake Chemicals
DATE : October 28, 2023
CAVERN : PPG No. 006X
OPERATION No. : 3
TOTAL VOLUME : 9836946 bbl
SCALE 1/150
Depth (MD)
2375 ft
2450 ft
2525 ft
2600 ft
2675 ft
2750 ft
2825 ft
2900 ft
2975 ft
3050 ft
3125 ft
3200 ft
3275 ft
3350 ft
3425 ft
0 bbl
7000 bbl
14000 bbl
21000 bbl
28000 bbl
35000 bbl
T.D. @ 3267.20 ft (MD)

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

MEAN RADIUS



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	1	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2506.00	0.00	0.00	-	-	-	-	-	-	-	-	-
2507.00	0.04	0.04	-	-	-	-	-	-	-	-	-
2508.00	0.26	0.21	-	-	-	-	-	-	-	-	-
2509.00	0.53	0.27	-	-	-	-	-	-	-	-	-
2510.00	**0.80**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**78.00**	**0.70**	**1.40**	**162.00**
2511.00	1.08	0.27	-	-	-	-	-	-	-	-	-
2512.00	1.35	0.27	-	-	-	-	-	-	-	-	-
2513.00	1.63	0.27	-	-	-	-	-	-	-	-	-
2514.00	1.90	0.27	-	-	-	-	-	-	-	-	-
2515.00	2.18	0.27	-	-	-	-	-	-	-	-	-
2516.00	2.45	0.27	-	-	-	-	-	-	-	-	-
2517.00	2.72	0.27	-	-	-	-	-	-	-	-	-
2518.00	3.00	0.27	-	-	-	-	-	-	-	-	-
2519.00	3.27	0.27	-	-	-	-	-	-	-	-	-
2520.00	**3.55**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**258.00**	**0.70**	**1.40**	**78.00**
2521.00	3.82	0.27	-	-	-	-	-	-	-	-	-
2522.00	4.10	0.27	-	-	-	-	-	-	-	-	-
2523.00	4.37	0.27	-	-	-	-	-	-	-	-	-
2524.00	4.64	0.27	-	-	-	-	-	-	-	-	-
2525.00	4.92	0.27	-	-	-	-	-	-	-	-	-
2526.00	5.19	0.27	-	-	-	-	-	-	-	-	-
2527.00	5.47	0.27	-	-	-	-	-	-	-	-	-
2528.00	5.74	0.27	-	-	-	-	-	-	-	-	-
2529.00	6.01	0.27	-	-	-	-	-	-	-	-	-
2530.00	**6.29**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**78.00**	**0.70**	**1.40**	**156.00**
2531.00	6.56	0.27	-	-	-	-	-	-	-	-	-
2532.00	6.84	0.27	-	-	-	-	-	-	-	-	-
2533.00	7.11	0.27	-	-	-	-	-	-	-	-	-
2534.00	7.39	0.27	-	-	-	-	-	-	-	-	-
2535.00	7.66	0.27	-	-	-	-	-	-	-	-	-
2536.00	7.93	0.27	-	-	-	-	-	-	-	-	-
2537.00	8.21	0.27	-	-	-	-	-	-	-	-	-
2538.00	8.48	0.27	-	-	-	-	-	-	-	-	-
2539.00	8.76	0.27	-	-	-	-	-	-	-	-	-
2540.00	**9.03**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**78.00**	**0.70**	**1.40**	**162.00**
2541.00	9.31	0.27	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals		CAVERN : PPG No. 006X	2
DATE : October 28, 2023		OPERATION No. : 2	

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2542.00	9.58	0.27	-	-	-	-	-	-	-	-	-
2543.00	9.85	0.27	-	-	-	-	-	-	-	-	-
2544.00	10.13	0.27	-	-	-	-	-	-	-	-	-
2545.00	10.40	0.27	-	-	-	-	-	-	-	-	-
2546.00	10.68	0.27	-	-	-	-	-	-	-	-	-
2547.00	10.95	0.27	-	-	-	-	-	-	-	-	-
2548.00	11.23	0.27	-	-	-	-	-	-	-	-	-
2549.00	11.50	0.27	-	-	-	-	-	-	-	-	-
2550.00	**11.77**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**294.00**	**0.70**	**1.40**	**162.00**
2551.00	12.05	0.27	-	-	-	-	-	-	-	-	-
2552.00	12.32	0.27	-	-	-	-	-	-	-	-	-
2553.00	12.60	0.27	-	-	-	-	-	-	-	-	-
2554.00	12.87	0.27	-	-	-	-	-	-	-	-	-
2555.00	13.15	0.27	-	-	-	-	-	-	-	-	-
2556.00	13.42	0.27	-	-	-	-	-	-	-	-	-
2557.00	13.69	0.27	-	-	-	-	-	-	-	-	-
2558.00	13.97	0.27	-	-	-	-	-	-	-	-	-
2559.00	14.24	0.27	-	-	-	-	-	-	-	-	-
2560.00	**14.52**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**78.00**	**0.70**	**1.40**	**162.00**
2561.00	14.79	0.27	-	-	-	-	-	-	-	-	-
2562.00	15.07	0.27	-	-	-	-	-	-	-	-	-
2563.00	15.34	0.27	-	-	-	-	-	-	-	-	-
2564.00	15.61	0.27	-	-	-	-	-	-	-	-	-
2565.00	15.89	0.27	-	-	-	-	-	-	-	-	-
2566.00	16.16	0.27	-	-	-	-	-	-	-	-	-
2567.00	16.44	0.27	-	-	-	-	-	-	-	-	-
2568.00	16.71	0.27	-	-	-	-	-	-	-	-	-
2569.00	16.99	0.27	-	-	-	-	-	-	-	-	-
2570.00	**17.26**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**276.00**	**0.70**	**1.40**	**96.00**
2571.00	17.53	0.27	-	-	-	-	-	-	-	-	-
2572.00	17.81	0.27	-	-	-	-	-	-	-	-	-
2573.00	18.08	0.27	-	-	-	-	-	-	-	-	-
2574.00	18.36	0.27	-	-	-	-	-	-	-	-	-
2575.00	18.63	0.27	-	-	-	-	-	-	-	-	-
2576.00	18.91	0.27	-	-	-	-	-	-	-	-	-
2577.00	19.18	0.27	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	3	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2578.00	19.45	0.27	-	-	-	-	-	-	-	-	-
2579.00	19.73	0.27	-	-	-	-	-	-	-	-	-
2580.00	**20.00**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**78.00**	**0.70**	**1.40**	**162.00**
2581.00	20.28	0.27	-	-	-	-	-	-	-	-	-
2582.00	20.55	0.27	-	-	-	-	-	-	-	-	-
2583.00	20.83	0.27	-	-	-	-	-	-	-	-	-
2584.00	21.10	0.27	-	-	-	-	-	-	-	-	-
2585.00	21.37	0.27	-	-	-	-	-	-	-	-	-
2586.00	21.65	0.27	-	-	-	-	-	-	-	-	-
2587.00	21.92	0.27	-	-	-	-	-	-	-	-	-
2588.00	22.20	0.27	-	-	-	-	-	-	-	-	-
2589.00	22.47	0.27	-	-	-	-	-	-	-	-	-
2590.00	**22.74**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**78.00**	**0.70**	**1.40**	**162.00**
2591.00	23.02	0.27	-	-	-	-	-	-	-	-	-
2592.00	23.29	0.27	-	-	-	-	-	-	-	-	-
2593.00	23.57	0.27	-	-	-	-	-	-	-	-	-
2594.00	23.84	0.27	-	-	-	-	-	-	-	-	-
2595.00	24.12	0.27	-	-	-	-	-	-	-	-	-
2596.00	24.39	0.27	-	-	-	-	-	-	-	-	-
2597.00	24.66	0.27	-	-	-	-	-	-	-	-	-
2598.00	24.94	0.27	-	-	-	-	-	-	-	-	-
2599.00	25.21	0.27	-	-	-	-	-	-	-	-	-
2600.00	**25.49**	**0.27**	**1.54**	**0.70**	**1.40**	**0.70**	**0.70**	**36.00**	**0.70**	**1.40**	**174.00**
2601.00	25.76	0.27	-	-	-	-	-	-	-	-	-
2602.00	26.04	0.27	-	-	-	-	-	-	-	-	-
2603.00	26.31	0.27	-	-	-	-	-	-	-	-	-
2604.00	26.58	0.27	-	-	-	-	-	-	-	-	-
2605.00	26.86	0.27	-	-	-	-	-	-	-	-	-
2606.00	27.13	0.27	-	-	-	-	-	-	-	-	-
2607.00	27.41	0.27	-	-	-	-	-	-	-	-	-
2608.00	27.69	0.28	-	-	-	-	-	-	-	-	-
2609.00	28.09	0.40	-	-	-	-	-	-	-	-	-
2610.00	**28.68**	**0.59**	**3.60**	**1.07**	**2.14**	**1.01**	**1.18**	**330.00**	**2.04**	**2.23**	**48.00**
2611.00	29.49	0.82	-	-	-	-	-	-	-	-	-
2612.00	30.57	1.08	-	-	-	-	-	-	-	-	-
2613.00	31.95	1.38	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	4	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2614.00	33.66	1.71	-	-	-	-	-	-	-	-	-
2615.00	35.75	2.09	-	-	-	-	-	-	-	-	-
2616.00	38.25	2.50	-	-	-	-	-	-	-	-	-
2617.00	41.19	2.94	-	-	-	-	-	-	-	-	-
2618.00	44.61	3.42	-	-	-	-	-	-	-	-	-
2619.00	48.38	3.77	-	-	-	-	-	-	-	-	-
2620.00	**52.46**	**4.08**	**23.34**	**2.73**	**5.45**	**2.39**	**3.14**	**222.00**	**5.03**	**5.85**	**48.00**
2621.00	56.87	4.41	-	-	-	-	-	-	-	-	-
2622.00	61.62	4.75	-	-	-	-	-	-	-	-	-
2623.00	66.74	5.12	-	-	-	-	-	-	-	-	-
2624.00	72.25	5.50	-	-	-	-	-	-	-	-	-
2625.00	78.15	5.91	-	-	-	-	-	-	-	-	-
2626.00	84.48	6.33	-	-	-	-	-	-	-	-	-
2627.00	98.45	13.97	-	-	-	-	-	-	-	-	-
2628.00	143.01	44.56	-	-	-	-	-	-	-	-	-
2629.00	233.21	90.20	-	-	-	-	-	-	-	-	-
2630.00	**400.38**	**167.17**	**1011.43**	**17.94**	**35.89**	**2.91**	**209.35**	**159.00**	**6.58**	**213.16**	**159.00**
2631.00	765.55	365.17	-	-	-	-	-	-	-	-	-
2632.00	1533.81	768.26	-	-	-	-	-	-	-	-	-
2633.00	2966.28	1432.47	-	-	-	-	-	-	-	-	-
2634.00	6027.54	3061.25	-	-	-	-	-	-	-	-	-
2635.00	12881.16	6853.63	-	-	-	-	-	-	-	-	-
2636.00	29800.39	16919.23	-	-	-	-	-	-	-	-	-
2637.00	51670.44	21870.05	-	-	-	-	-	-	-	-	-
2638.00	74033.96	22363.52	-	-	-	-	-	-	-	-	-
2639.00	96522.13	22488.18	-	-	-	-	-	-	-	-	-
2640.00	**119049.77**	**22527.64**	**126531.64**	**200.69**	**401.38**	**185.35**	**227.87**	**198.00**	**381.11**	**417.44**	**18.00**
2641.00	141615.59	22565.82	-	-	-	-	-	-	-	-	-
2642.00	164220.06	22604.47	-	-	-	-	-	-	-	-	-
2643.00	186858.61	22638.55	-	-	-	-	-	-	-	-	-
2644.00	209511.96	22653.34	-	-	-	-	-	-	-	-	-
2645.00	232173.05	22661.09	-	-	-	-	-	-	-	-	-
2646.00	254843.73	22670.67	-	-	-	-	-	-	-	-	-
2647.00	277524.90	22681.17	-	-	-	-	-	-	-	-	-
2648.00	300219.56	22694.66	-	-	-	-	-	-	-	-	-
2649.00	322945.45	22725.90	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	5	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2650.00	**345707.78**	**22762.32**	**127852.03**	**201.73**	**403.47**	**185.81**	**227.69**	**210.00**	**380.36**	**419.21**	**30.00**
2651.00	368511.36	22803.59	-	-	-	-	-	-	-	-	-
2652.00	391357.29	22845.92	-	-	-	-	-	-	-	-	-
2653.00	414245.53	22888.25	-	-	-	-	-	-	-	-	-
2654.00	437176.10	22930.56	-	-	-	-	-	-	-	-	-
2655.00	460148.96	22972.86	-	-	-	-	-	-	-	-	-
2656.00	483164.11	23015.15	-	-	-	-	-	-	-	-	-
2657.00	506222.54	23058.43	-	-	-	-	-	-	-	-	-
2658.00	529329.81	23107.27	-	-	-	-	-	-	-	-	-
2659.00	552478.99	23149.18	-	-	-	-	-	-	-	-	-
2660.00	**575665.16**	**23186.17**	**130232.75**	**203.60**	**407.21**	**187.90**	**233.10**	**198.00**	**383.13**	**423.87**	**18.00**
2661.00	598888.73	23223.58	-	-	-	-	-	-	-	-	-
2662.00	622151.06	23262.32	-	-	-	-	-	-	-	-	-
2663.00	645449.03	23297.97	-	-	-	-	-	-	-	-	-
2664.00	668779.75	23330.72	-	-	-	-	-	-	-	-	-
2665.00	692145.93	23366.18	-	-	-	-	-	-	-	-	-
2666.00	715550.48	23404.55	-	-	-	-	-	-	-	-	-
2667.00	738989.95	23439.47	-	-	-	-	-	-	-	-	-
2668.00	762464.19	23474.24	-	-	-	-	-	-	-	-	-
2669.00	785964.88	23500.69	-	-	-	-	-	-	-	-	-
2670.00	**809489.18**	**23524.30**	**132110.54**	**205.07**	**410.13**	**188.42**	**235.96**	**198.00**	**384.18**	**428.22**	**18.00**
2671.00	833037.10	23547.92	-	-	-	-	-	-	-	-	-
2672.00	856608.65	23571.55	-	-	-	-	-	-	-	-	-
2673.00	880203.83	23595.18	-	-	-	-	-	-	-	-	-
2674.00	903822.65	23618.82	-	-	-	-	-	-	-	-	-
2675.00	927465.12	23642.47	-	-	-	-	-	-	-	-	-
2676.00	951131.25	23666.13	-	-	-	-	-	-	-	-	-
2677.00	974822.13	23690.88	-	-	-	-	-	-	-	-	-
2678.00	998540.98	23718.85	-	-	-	-	-	-	-	-	-
2679.00	1022281.42	23740.44	-	-	-	-	-	-	-	-	-
2680.00	**1046039.62**	**23758.20**	**133421.59**	**206.08**	**412.16**	**188.71**	**237.74**	**198.00**	**384.88**	**429.97**	**18.00**
2681.00	1069814.51	23774.90	-	-	-	-	-	-	-	-	-
2682.00	1093602.52	23788.01	-	-	-	-	-	-	-	-	-
2683.00	1117398.18	23795.65	-	-	-	-	-	-	-	-	-
2684.00	1141196.73	23798.55	-	-	-	-	-	-	-	-	-
2685.00	1165002.01	23805.28	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	6	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2686.00	1188817.60	23815.59	-	-	-	-	-	-	-	-	-
2687.00	1212643.88	23826.29	-	-	-	-	-	-	-	-	-
2688.00	1236481.39	23837.50	-	-	-	-	-	-	-	-	-
2689.00	1260333.77	23852.38	-	-	-	-	-	-	-	-	-
2690.00	**1284201.96**	**23868.20**	**134032.58**	**206.55**	**413.10**	**188.86**	**238.88**	**198.00**	**385.88**	**430.45**	**18.00**
2691.00	1308085.93	23883.97	-	-	-	-	-	-	-	-	-
2692.00	1331985.63	23899.69	-	-	-	-	-	-	-	-	-
2693.00	1355901.00	23915.37	-	-	-	-	-	-	-	-	-
2694.00	1379832.00	23931.00	-	-	-	-	-	-	-	-	-
2695.00	1403778.59	23946.59	-	-	-	-	-	-	-	-	-
2696.00	1427740.71	23962.13	-	-	-	-	-	-	-	-	-
2697.00	1451718.33	23977.62	-	-	-	-	-	-	-	-	-
2698.00	1475711.40	23993.07	-	-	-	-	-	-	-	-	-
2699.00	1499714.15	24002.75	-	-	-	-	-	-	-	-	-
2700.00	**1523719.50**	**24005.35**	**134784.02**	**207.13**	**414.26**	**187.70**	**239.15**	**198.00**	**387.21**	**430.89**	**18.00**
2701.00	1547727.31	24007.81	-	-	-	-	-	-	-	-	-
2702.00	1571737.46	24010.15	-	-	-	-	-	-	-	-	-
2703.00	1595749.81	24012.35	-	-	-	-	-	-	-	-	-
2704.00	1619764.23	24014.42	-	-	-	-	-	-	-	-	-
2705.00	1643780.66	24016.43	-	-	-	-	-	-	-	-	-
2706.00	1667799.16	24018.50	-	-	-	-	-	-	-	-	-
2707.00	1691819.79	24020.63	-	-	-	-	-	-	-	-	-
2708.00	1715842.62	24022.83	-	-	-	-	-	-	-	-	-
2709.00	1739862.98	24020.36	-	-	-	-	-	-	-	-	-
2710.00	**1763879.46**	**24016.48**	**134841.14**	**207.17**	**414.35**	**187.31**	**240.67**	**198.00**	**386.76**	**433.31**	**18.00**
2711.00	1787892.26	24012.80	-	-	-	-	-	-	-	-	-
2712.00	1811901.57	24009.32	-	-	-	-	-	-	-	-	-
2713.00	1835907.60	24006.03	-	-	-	-	-	-	-	-	-
2714.00	1859910.53	24002.93	-	-	-	-	-	-	-	-	-
2715.00	1883910.57	24000.04	-	-	-	-	-	-	-	-	-
2716.00	1907907.91	23997.34	-	-	-	-	-	-	-	-	-
2717.00	1931902.75	23994.84	-	-	-	-	-	-	-	-	-
2718.00	1955895.18	23992.43	-	-	-	-	-	-	-	-	-
2719.00	1979881.38	23986.20	-	-	-	-	-	-	-	-	-
2720.00	**2003860.10**	**23978.72**	**134619.65**	**207.00**	**414.01**	**186.87**	**241.00**	**198.00**	**384.10**	**434.40**	**18.00**
2721.00	2027831.27	23971.17	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals		CAVERN : PPG No. 006X	7
DATE : October 28, 2023		OPERATION No. : 2	

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2722.00	2051794.82	23963.55	-	-	-	-	-	-	-	-	-
2723.00	2075750.69	23955.86	-	-	-	-	-	-	-	-	-
2724.00	2099698.80	23948.11	-	-	-	-	-	-	-	-	-
2725.00	2123639.08	23940.29	-	-	-	-	-	-	-	-	-
2726.00	2147571.48	23932.40	-	-	-	-	-	-	-	-	-
2727.00	2171495.92	23924.44	-	-	-	-	-	-	-	-	-
2728.00	2195412.34	23916.42	-	-	-	-	-	-	-	-	-
2729.00	2219321.13	23908.78	-	-	-	-	-	-	-	-	-
2730.00	**2243222.36**	**23901.24**	**134187.53**	**206.67**	**413.34**	**187.36**	**239.91**	**198.00**	**384.93**	**432.54**	**18.00**
2731.00	2267116.01	23893.65	-	-	-	-	-	-	-	-	-
2732.00	2291002.02	23886.01	-	-	-	-	-	-	-	-	-
2733.00	2314880.36	23878.34	-	-	-	-	-	-	-	-	-
2734.00	2338750.98	23870.62	-	-	-	-	-	-	-	-	-
2735.00	2362613.83	23862.85	-	-	-	-	-	-	-	-	-
2736.00	2386468.87	23855.04	-	-	-	-	-	-	-	-	-
2737.00	2410316.06	23847.19	-	-	-	-	-	-	-	-	-
2738.00	2434155.36	23839.29	-	-	-	-	-	-	-	-	-
2739.00	2457984.01	23828.65	-	-	-	-	-	-	-	-	-
2740.00	**2481800.94**	**23816.93**	**133707.37**	**206.30**	**412.60**	**186.26**	**240.24**	**198.00**	**384.44**	**431.44**	**18.00**
2741.00	2505606.06	23805.13	-	-	-	-	-	-	-	-	-
2742.00	2529399.30	23793.24	-	-	-	-	-	-	-	-	-
2743.00	2553180.57	23781.27	-	-	-	-	-	-	-	-	-
2744.00	2576949.78	23769.21	-	-	-	-	-	-	-	-	-
2745.00	2600706.85	23757.07	-	-	-	-	-	-	-	-	-
2746.00	2624451.69	23744.85	-	-	-	-	-	-	-	-	-
2747.00	2648184.24	23732.54	-	-	-	-	-	-	-	-	-
2748.00	2671904.41	23720.18	-	-	-	-	-	-	-	-	-
2749.00	2695612.68	23708.27	-	-	-	-	-	-	-	-	-
2750.00	**2719309.03**	**23696.35**	**133024.92**	**205.77**	**411.55**	**187.58**	**238.04**	**198.00**	**383.13**	**429.03**	**18.00**
2751.00	2742993.28	23684.25	-	-	-	-	-	-	-	-	-
2752.00	2766665.27	23671.98	-	-	-	-	-	-	-	-	-
2753.00	2790324.80	23659.54	-	-	-	-	-	-	-	-	-
2754.00	2813971.72	23646.92	-	-	-	-	-	-	-	-	-
2755.00	2837605.84	23634.12	-	-	-	-	-	-	-	-	-
2756.00	2861226.99	23621.15	-	-	-	-	-	-	-	-	-
2757.00	2884835.00	23608.00	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	8

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2758.00	2908429.67	23594.68	-	-	-	-	-	-	-	-	-
2759.00	2932015.84	23586.17	-	-	-	-	-	-	-	-	-
2760.00	**2955595.77**	**23579.93**	**132382.97**	**205.28**	**410.55**	**186.54**	**238.34**	**198.00**	**382.17**	**429.93**	**18.00**
2761.00	2979169.54	23573.77	-	-	-	-	-	-	-	-	-
2762.00	3002737.23	23567.70	-	-	-	-	-	-	-	-	-
2763.00	3026298.95	23561.71	-	-	-	-	-	-	-	-	-
2764.00	3049854.76	23555.81	-	-	-	-	-	-	-	-	-
2765.00	3073404.76	23550.00	-	-	-	-	-	-	-	-	-
2766.00	3096949.02	23544.27	-	-	-	-	-	-	-	-	-
2767.00	3120487.64	23538.62	-	-	-	-	-	-	-	-	-
2768.00	3144020.71	23533.07	-	-	-	-	-	-	-	-	-
2769.00	3167548.61	23527.90	-	-	-	-	-	-	-	-	-
2770.00	**3191071.38**	**23522.76**	**132062.05**	**205.03**	**410.06**	**184.95**	**239.31**	**198.00**	**381.99**	**429.54**	**18.00**
2771.00	3214588.92	23517.55	-	-	-	-	-	-	-	-	-
2772.00	3238101.17	23512.25	-	-	-	-	-	-	-	-	-
2773.00	3261608.04	23506.87	-	-	-	-	-	-	-	-	-
2774.00	3285109.45	23501.41	-	-	-	-	-	-	-	-	-
2775.00	3308605.32	23495.87	-	-	-	-	-	-	-	-	-
2776.00	3332095.57	23490.25	-	-	-	-	-	-	-	-	-
2777.00	3355580.12	23484.55	-	-	-	-	-	-	-	-	-
2778.00	3379058.88	23478.77	-	-	-	-	-	-	-	-	-
2779.00	3402526.31	23467.43	-	-	-	-	-	-	-	-	-
2780.00	**3425980.73**	**23454.42**	**131671.93**	**204.73**	**409.45**	**185.02**	**237.89**	**198.00**	**380.77**	**427.07**	**18.00**
2781.00	3449422.59	23441.86	-	-	-	-	-	-	-	-	-
2782.00	3472852.36	23429.76	-	-	-	-	-	-	-	-	-
2783.00	3496270.47	23418.12	-	-	-	-	-	-	-	-	-
2784.00	3519677.39	23406.92	-	-	-	-	-	-	-	-	-
2785.00	3543073.57	23396.18	-	-	-	-	-	-	-	-	-
2786.00	3566459.46	23385.89	-	-	-	-	-	-	-	-	-
2787.00	3589835.51	23376.05	-	-	-	-	-	-	-	-	-
2788.00	3613202.33	23366.82	-	-	-	-	-	-	-	-	-
2789.00	3636571.11	23368.78	-	-	-	-	-	-	-	-	-
2790.00	**3659945.33**	**23374.22**	**131240.28**	**204.39**	**408.78**	**184.71**	**236.34**	**198.00**	**381.03**	**426.75**	**24.00**
2791.00	3683324.94	23379.62	-	-	-	-	-	-	-	-	-
2792.00	3706709.91	23384.97	-	-	-	-	-	-	-	-	-
2793.00	3730100.19	23390.28	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	9

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2794.00	3753495.73	23395.54	-	-	-	-	-	-	-	-	-
2795.00	3776896.49	23400.76	-	-	-	-	-	-	-	-	-
2796.00	3800302.43	23405.94	-	-	-	-	-	-	-	-	-
2797.00	3823713.50	23411.07	-	-	-	-	-	-	-	-	-
2798.00	3847129.66	23416.16	-	-	-	-	-	-	-	-	-
2799.00	3870537.53	23407.87	-	-	-	-	-	-	-	-	-
2800.00	**3893931.21**	**23393.69**	**131326.21**	**204.46**	**408.91**	**185.47**	**236.77**	**198.00**	**380.24**	**425.74**	**18.00**
2801.00	3917310.85	23379.64	-	-	-	-	-	-	-	-	-
2802.00	3940676.59	23365.74	-	-	-	-	-	-	-	-	-
2803.00	3964028.56	23351.97	-	-	-	-	-	-	-	-	-
2804.00	3987366.91	23338.35	-	-	-	-	-	-	-	-	-
2805.00	4010691.77	23324.86	-	-	-	-	-	-	-	-	-
2806.00	4034003.29	23311.52	-	-	-	-	-	-	-	-	-
2807.00	4057301.60	23298.31	-	-	-	-	-	-	-	-	-
2808.00	4080586.89	23285.29	-	-	-	-	-	-	-	-	-
2809.00	4103863.41	23276.52	-	-	-	-	-	-	-	-	-
2810.00	**4127132.70**	**23269.29**	**130640.93**	**203.92**	**407.84**	**184.76**	**235.77**	**198.00**	**379.36**	**425.42**	**18.00**
2811.00	4150395.01	23262.31	-	-	-	-	-	-	-	-	-
2812.00	4173650.59	23255.58	-	-	-	-	-	-	-	-	-
2813.00	4196899.69	23249.11	-	-	-	-	-	-	-	-	-
2814.00	4220142.57	23242.88	-	-	-	-	-	-	-	-	-
2815.00	4243379.48	23236.90	-	-	-	-	-	-	-	-	-
2816.00	4266610.66	23231.18	-	-	-	-	-	-	-	-	-
2817.00	4289836.36	23225.71	-	-	-	-	-	-	-	-	-
2818.00	4313056.31	23219.94	-	-	-	-	-	-	-	-	-
2819.00	4336254.35	23198.04	-	-	-	-	-	-	-	-	-
2820.00	**4359425.57**	**23171.23**	**130058.15**	**203.47**	**406.93**	**184.99**	**236.84**	**198.00**	**379.71**	**428.25**	**18.00**
2821.00	4382569.94	23144.37	-	-	-	-	-	-	-	-	-
2822.00	4405687.41	23117.47	-	-	-	-	-	-	-	-	-
2823.00	4428777.95	23090.54	-	-	-	-	-	-	-	-	-
2824.00	4451841.51	23063.56	-	-	-	-	-	-	-	-	-
2825.00	4474878.04	23036.54	-	-	-	-	-	-	-	-	-
2826.00	4497887.52	23009.48	-	-	-	-	-	-	-	-	-
2827.00	4520869.90	22982.38	-	-	-	-	-	-	-	-	-
2828.00	4543825.14	22955.24	-	-	-	-	-	-	-	-	-
2829.00	4566674.97	22849.83	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	10	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2830.00	**4589394.08**	**22719.11**	**127375.73**	**201.36**	**402.72**	**175.57**	**236.25**	**198.00**	**380.73**	**424.70**	**18.00**
2831.00	4611983.41	22589.34	-	-	-	-	-	-	-	-	-
2832.00	4634443.92	22460.51	-	-	-	-	-	-	-	-	-
2833.00	4656776.56	22332.64	-	-	-	-	-	-	-	-	-
2834.00	4678982.27	22205.71	-	-	-	-	-	-	-	-	-
2835.00	4701062.00	22079.73	-	-	-	-	-	-	-	-	-
2836.00	4723016.70	21954.70	-	-	-	-	-	-	-	-	-
2837.00	4744847.32	21830.62	-	-	-	-	-	-	-	-	-
2838.00	4766551.16	21703.83	-	-	-	-	-	-	-	-	-
2839.00	4788019.62	21468.46	-	-	-	-	-	-	-	-	-
2840.00	**4809221.35**	**21201.73**	**118665.35**	**194.35**	**388.70**	**156.76**	**235.65**	**198.00**	**372.17**	**409.68**	**18.00**
2841.00	4830157.94	20936.60	-	-	-	-	-	-	-	-	-
2842.00	4850831.01	20673.06	-	-	-	-	-	-	-	-	-
2843.00	4871242.14	20411.14	-	-	-	-	-	-	-	-	-
2844.00	4891392.95	20150.81	-	-	-	-	-	-	-	-	-
2845.00	4911285.03	19892.08	-	-	-	-	-	-	-	-	-
2846.00	4930920.00	19634.96	-	-	-	-	-	-	-	-	-
2847.00	4950299.44	19379.44	-	-	-	-	-	-	-	-	-
2848.00	4969421.35	19121.92	-	-	-	-	-	-	-	-	-
2849.00	4988210.52	18789.16	-	-	-	-	-	-	-	-	-
2850.00	**5006647.91**	**18437.40**	**103014.90**	**181.08**	**362.16**	**140.73**	**230.04**	**198.00**	**338.07**	**381.08**	**18.00**
2851.00	5024736.82	18088.91	-	-	-	-	-	-	-	-	-
2852.00	5042480.51	17743.69	-	-	-	-	-	-	-	-	-
2853.00	5059882.25	17401.74	-	-	-	-	-	-	-	-	-
2854.00	5076945.32	17063.07	-	-	-	-	-	-	-	-	-
2855.00	5093673.00	16727.67	-	-	-	-	-	-	-	-	-
2856.00	5110068.54	16395.55	-	-	-	-	-	-	-	-	-
2857.00	5126135.24	16066.70	-	-	-	-	-	-	-	-	-
2858.00	5141876.36	15741.12	-	-	-	-	-	-	-	-	-
2859.00	5157269.25	15392.89	-	-	-	-	-	-	-	-	-
2860.00	**5172308.21**	**15038.96**	**83943.64**	**163.46**	**326.93**	**122.03**	**215.67**	**168.00**	**295.66**	**340.33**	**24.00**
2861.00	5186997.27	14689.07	-	-	-	-	-	-	-	-	-
2862.00	5201340.47	14343.20	-	-	-	-	-	-	-	-	-
2863.00	5215341.82	14001.35	-	-	-	-	-	-	-	-	-
2864.00	5229005.37	13663.54	-	-	-	-	-	-	-	-	-
2865.00	5242335.12	13329.76	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals		CAVERN : PPG No. 006X	11
DATE : October 28, 2023		OPERATION No. : 2	

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2866.00	5255335.12	13000.00	-	-	-	-	-	-	-	-	-
2867.00	5268009.39	12674.27	-	-	-	-	-	-	-	-	-
2868.00	5280361.96	12352.57	-	-	-	-	-	-	-	-	-
2869.00	5292360.63	11998.67	-	-	-	-	-	-	-	-	-
2870.00	**5303997.93**	**11637.30**	**64828.88**	**143.65**	**287.30**	**105.36**	**188.53**	**162.00**	**258.18**	**303.15**	**24.00**
2871.00	5315279.38	11281.45	-	-	-	-	-	-	-	-	-
2872.00	5326210.51	10931.13	-	-	-	-	-	-	-	-	-
2873.00	5336796.84	10586.33	-	-	-	-	-	-	-	-	-
2874.00	5347043.90	10247.06	-	-	-	-	-	-	-	-	-
2875.00	5356957.22	9913.32	-	-	-	-	-	-	-	-	-
2876.00	5366542.32	9585.10	-	-	-	-	-	-	-	-	-
2877.00	5375804.72	9262.40	-	-	-	-	-	-	-	-	-
2878.00	5384750.90	8946.18	-	-	-	-	-	-	-	-	-
2879.00	5393435.48	8684.58	-	-	-	-	-	-	-	-	-
2880.00	**5401884.74**	**8449.26**	**47133.08**	**122.49**	**244.97**	**86.47**	**170.78**	**165.00**	**211.37**	**264.11**	**174.00**
2881.00	5410111.26	8226.52	-	-	-	-	-	-	-	-	-
2882.00	5418120.78	8009.53	-	-	-	-	-	-	-	-	-
2883.00	5425919.01	7798.23	-	-	-	-	-	-	-	-	-
2884.00	5433510.73	7591.72	-	-	-	-	-	-	-	-	-
2885.00	5440905.21	7394.48	-	-	-	-	-	-	-	-	-
2886.00	5448108.48	7203.27	-	-	-	-	-	-	-	-	-
2887.00	5455118.34	7009.86	-	-	-	-	-	-	-	-	-
2888.00	5461926.49	6808.15	-	-	-	-	-	-	-	-	-
2889.00	5468491.35	6564.86	-	-	-	-	-	-	-	-	-
2890.00	**5474830.91**	**6339.57**	**35289.75**	**105.99**	**211.97**	**70.88**	**158.98**	**180.00**	**177.80**	**233.03**	**0.00**
2891.00	5480957.73	6126.81	-	-	-	-	-	-	-	-	-
2892.00	5486871.21	5913.48	-	-	-	-	-	-	-	-	-
2893.00	5492572.66	5701.45	-	-	-	-	-	-	-	-	-
2894.00	5498077.86	5505.21	-	-	-	-	-	-	-	-	-
2895.00	5503397.48	5319.62	-	-	-	-	-	-	-	-	-
2896.00	5508529.66	5132.18	-	-	-	-	-	-	-	-	-
2897.00	5513471.21	4941.56	-	-	-	-	-	-	-	-	-
2898.00	5518211.72	4740.51	-	-	-	-	-	-	-	-	-
2899.00	5522693.14	4481.42	-	-	-	-	-	-	-	-	-
2900.00	**5526945.48**	**4252.34**	**23508.22**	**86.50**	**173.01**	**55.37**	**141.93**	**180.00**	**140.31**	**199.38**	**0.00**
2901.00	5530993.82	4048.33	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	12

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2902.00	5534862.64	3868.82	-	-	-	-	-	-	-	-	-
2903.00	5538576.09	3713.45	-	-	-	-	-	-	-	-	-
2904.00	5542144.61	3568.53	-	-	-	-	-	-	-	-	-
2905.00	5545568.75	3424.14	-	-	-	-	-	-	-	-	-
2906.00	5548855.70	3286.94	-	-	-	-	-	-	-	-	-
2907.00	5552009.84	3154.14	-	-	-	-	-	-	-	-	-
2908.00	5555028.92	3019.08	-	-	-	-	-	-	-	-	-
2909.00	5557905.17	2876.25	-	-	-	-	-	-	-	-	-
2910.00	**5560670.38**	**2765.20**	**15351.17**	**69.90**	**139.81**	**33.20**	**129.35**	**180.00**	**95.26**	**177.56**	**0.00**
2911.00	5563332.68	2662.30	-	-	-	-	-	-	-	-	-
2912.00	5565899.20	2566.52	-	-	-	-	-	-	-	-	-
2913.00	5568379.18	2479.98	-	-	-	-	-	-	-	-	-
2914.00	5570769.27	2390.09	-	-	-	-	-	-	-	-	-
2915.00	5573074.48	2305.21	-	-	-	-	-	-	-	-	-
2916.00	5575294.88	2220.40	-	-	-	-	-	-	-	-	-
2917.00	5577437.90	2143.02	-	-	-	-	-	-	-	-	-
2918.00	5579489.24	2051.35	-	-	-	-	-	-	-	-	-
2919.00	5581428.52	1939.28	-	-	-	-	-	-	-	-	-
2920.00	**5583266.23**	**1837.71**	**10195.00**	**56.97**	**113.93**	**28.94**	**117.15**	**174.00**	**71.03**	**149.93**	**174.00**
2921.00	5585016.41	1750.18	-	-	-	-	-	-	-	-	-
2922.00	5586683.07	1666.66	-	-	-	-	-	-	-	-	-
2923.00	5588251.43	1568.36	-	-	-	-	-	-	-	-	-
2924.00	5589722.57	1471.14	-	-	-	-	-	-	-	-	-
2925.00	5591120.88	1398.31	-	-	-	-	-	-	-	-	-
2926.00	5592451.30	1330.42	-	-	-	-	-	-	-	-	-
2927.00	5593709.55	1258.25	-	-	-	-	-	-	-	-	-
2928.00	5594900.98	1191.43	-	-	-	-	-	-	-	-	-
2929.00	5596024.76	1123.78	-	-	-	-	-	-	-	-	-
2930.00	**5597084.71**	**1059.95**	**5839.99**	**43.14**	**86.28**	**19.23**	**93.85**	**174.00**	**49.57**	**113.18**	**174.00**
2931.00	5598074.91	990.20	-	-	-	-	-	-	-	-	-
2932.00	5598995.14	920.23	-	-	-	-	-	-	-	-	-
2933.00	5599815.03	819.89	-	-	-	-	-	-	-	-	-
2934.00	5600503.24	688.22	-	-	-	-	-	-	-	-	-
2935.00	5601032.96	529.72	-	-	-	-	-	-	-	-	-
2936.00	5601444.74	411.77	-	-	-	-	-	-	-	-	-
2937.00	5601817.91	373.18	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	13	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2938.00	5602165.33	347.41	-	-	-	-	-	-	-	-	-
2939.00	5602505.03	339.70	-	-	-	-	-	-	-	-	-
2940.00	**5602844.40**	**339.37**	**1795.53**	**23.91**	**47.81**	**13.05**	**83.60**	**180.00**	**33.22**	**96.93**	**0.00**
2941.00	5603185.27	340.87	-	-	-	-	-	-	-	-	-
2942.00	5603528.38	343.12	-	-	-	-	-	-	-	-	-
2943.00	5603878.03	349.65	-	-	-	-	-	-	-	-	-
2944.00	5604239.16	361.13	-	-	-	-	-	-	-	-	-
2945.00	5604614.64	375.47	-	-	-	-	-	-	-	-	-
2946.00	5605006.74	392.10	-	-	-	-	-	-	-	-	-
2947.00	5605415.98	409.24	-	-	-	-	-	-	-	-	-
2948.00	5605839.99	424.01	-	-	-	-	-	-	-	-	-
2949.00	5606278.63	438.64	-	-	-	-	-	-	-	-	-
2950.00	**5606731.33**	**452.70**	**2527.04**	**28.36**	**56.72**	**11.92**	**86.02**	**180.00**	**30.19**	**100.49**	**12.00**
2951.00	5607197.81	466.48	-	-	-	-	-	-	-	-	-
2952.00	5607677.95	480.14	-	-	-	-	-	-	-	-	-
2953.00	5608171.67	493.71	-	-	-	-	-	-	-	-	-
2954.00	5608678.14	506.47	-	-	-	-	-	-	-	-	-
2955.00	5609197.07	518.93	-	-	-	-	-	-	-	-	-
2956.00	5609728.47	531.40	-	-	-	-	-	-	-	-	-
2957.00	5610273.30	544.83	-	-	-	-	-	-	-	-	-
2958.00	5610833.89	560.59	-	-	-	-	-	-	-	-	-
2959.00	5611409.90	576.01	-	-	-	-	-	-	-	-	-
2960.00	**5612001.96**	**592.06**	**3339.28**	**32.60**	**65.21**	**12.54**	**86.32**	**183.00**	**29.38**	**104.40**	**15.00**
2961.00	5612612.67	610.71	-	-	-	-	-	-	-	-	-
2962.00	5613244.87	632.20	-	-	-	-	-	-	-	-	-
2963.00	5613905.98	661.11	-	-	-	-	-	-	-	-	-
2964.00	5614611.18	705.20	-	-	-	-	-	-	-	-	-
2965.00	5615380.52	769.35	-	-	-	-	-	-	-	-	-
2966.00	5616270.00	889.47	-	-	-	-	-	-	-	-	-
2967.00	5617307.39	1037.40	-	-	-	-	-	-	-	-	-
2968.00	5618544.43	1237.03	-	-	-	-	-	-	-	-	-
2969.00	5620201.91	1657.49	-	-	-	-	-	-	-	-	-
2970.00	**5622564.74**	**2362.83**	**14249.87**	**67.35**	**134.71**	**12.69**	**136.41**	**216.00**	**40.06**	**202.04**	**15.00**
2971.00	5625944.93	3380.19	-	-	-	-	-	-	-	-	-
2972.00	5630572.13	4627.20	-	-	-	-	-	-	-	-	-
2973.00	5635898.57	5326.44	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals		CAVERN : PPG No. 006X	14
DATE : October 28, 2023		OPERATION No. : 2	

SONIC SURVEYS

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
2974.00	5641423.58	5525.01	-	-	-	-	-	-	-	-	-
2975.00	5646973.89	5550.31	-	-	-	-	-	-	-	-	-
2976.00	5652524.01	5550.12	-	-	-	-	-	-	-	-	-
2977.00	5658063.36	5539.35	-	-	-	-	-	-	-	-	-
2978.00	5663587.38	5524.02	-	-	-	-	-	-	-	-	-
2979.00	5669080.56	5493.18	-	-	-	-	-	-	-	-	-
2980.00	**5674530.76**	**5450.20**	**30540.98**	**98.60**	**197.20**	**66.74**	**146.06**	**180.00**	**152.44**	**218.07**	**18.00**
2981.00	5679940.34	5409.58	-	-	-	-	-	-	-	-	-
2982.00	5685312.53	5372.18	-	-	-	-	-	-	-	-	-
2983.00	5690651.69	5339.16	-	-	-	-	-	-	-	-	-
2984.00	5695960.03	5308.34	-	-	-	-	-	-	-	-	-
2985.00	5701242.97	5282.94	-	-	-	-	-	-	-	-	-
2986.00	5706504.57	5261.60	-	-	-	-	-	-	-	-	-
2987.00	5711744.10	5239.53	-	-	-	-	-	-	-	-	-
2988.00	5716964.35	5220.25	-	-	-	-	-	-	-	-	-
2989.00	5722169.60	5205.25	-	-	-	-	-	-	-	-	-
2990.00	**5727359.40**	**5189.80**	**29098.78**	**96.24**	**192.48**	**65.13**	**140.49**	**186.00**	**150.51**	**214.30**	**18.00**
2991.00	5732534.26	5174.86	-	-	-	-	-	-	-	-	-
2992.00	5737696.80	5162.55	-	-	-	-	-	-	-	-	-
2993.00	5742846.78	5149.98	-	-	-	-	-	-	-	-	-
2994.00	5747985.58	5138.80	-	-	-	-	-	-	-	-	-
2995.00	5753115.89	5130.31	-	-	-	-	-	-	-	-	-
2996.00	5758234.78	5118.89	-	-	-	-	-	-	-	-	-
2997.00	5763337.29	5102.51	-	-	-	-	-	-	-	-	-
2998.00	5768421.12	5083.83	-	-	-	-	-	-	-	-	-
2999.00	5773491.48	5070.36	-	-	-	-	-	-	-	-	-
3000.00	**5778550.69**	**5059.22**	**28384.76**	**95.05**	**190.11**	**65.20**	**137.13**	**204.00**	**150.24**	**211.32**	**15.00**
3001.00	5783598.67	5047.97	-	-	-	-	-	-	-	-	-
3002.00	5788636.60	5037.93	-	-	-	-	-	-	-	-	-
3003.00	5793665.19	5028.59	-	-	-	-	-	-	-	-	-
3004.00	5798684.59	5019.40	-	-	-	-	-	-	-	-	-
3005.00	5803695.37	5010.78	-	-	-	-	-	-	-	-	-
3006.00	5808697.79	5002.43	-	-	-	-	-	-	-	-	-
3007.00	5813693.81	4996.02	-	-	-	-	-	-	-	-	-
3008.00	5818683.40	4989.59	-	-	-	-	-	-	-	-	-
3009.00	5823665.70	4982.30	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	15	
DATE : October 28, 2023	OPERATION No. : 2		

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3010.00	**5828640.65**	**4974.94**	**27925.16**	**94.28**	**188.56**	**64.14**	**136.44**	**201.00**	**147.90**	**211.35**	**15.00**
3011.00	5833608.60	4967.96	-	-	-	-	-	-	-	-	-
3012.00	5838569.94	4961.34	-	-	-	-	-	-	-	-	-
3013.00	5843525.02	4955.08	-	-	-	-	-	-	-	-	-
3014.00	5848474.22	4949.20	-	-	-	-	-	-	-	-	-
3015.00	5853417.90	4943.68	-	-	-	-	-	-	-	-	-
3016.00	5858356.42	4938.53	-	-	-	-	-	-	-	-	-
3017.00	5863290.17	4933.74	-	-	-	-	-	-	-	-	-
3018.00	5868219.50	4929.33	-	-	-	-	-	-	-	-	-
3019.00	5873146.09	4926.59	-	-	-	-	-	-	-	-	-
3020.00	**5878070.29**	**4924.20**	**27635.82**	**93.79**	**187.58**	**63.64**	**136.65**	**204.00**	**148.17**	**211.38**	**18.00**
3021.00	5882991.84	4921.55	-	-	-	-	-	-	-	-	-
3022.00	5887910.50	4918.65	-	-	-	-	-	-	-	-	-
3023.00	5892826.00	4915.50	-	-	-	-	-	-	-	-	-
3024.00	5897738.09	4912.10	-	-	-	-	-	-	-	-	-
3025.00	5902646.53	4908.44	-	-	-	-	-	-	-	-	-
3026.00	5907551.05	4904.52	-	-	-	-	-	-	-	-	-
3027.00	5912451.41	4900.36	-	-	-	-	-	-	-	-	-
3028.00	5917347.35	4895.94	-	-	-	-	-	-	-	-	-
3029.00	5922239.48	4892.13	-	-	-	-	-	-	-	-	-
3030.00	**5927127.13**	**4887.65**	**27435.19**	**93.45**	**186.90**	**63.79**	**135.30**	**198.00**	**145.31**	**209.96**	**6.00**
3031.00	5932009.41	4882.27	-	-	-	-	-	-	-	-	-
3032.00	5936886.02	4876.61	-	-	-	-	-	-	-	-	-
3033.00	5941757.31	4871.29	-	-	-	-	-	-	-	-	-
3034.00	5946623.23	4865.92	-	-	-	-	-	-	-	-	-
3035.00	5951483.73	4860.50	-	-	-	-	-	-	-	-	-
3036.00	5956339.01	4855.28	-	-	-	-	-	-	-	-	-
3037.00	5961189.50	4850.49	-	-	-	-	-	-	-	-	-
3038.00	5966035.73	4846.23	-	-	-	-	-	-	-	-	-
3039.00	5970876.57	4840.85	-	-	-	-	-	-	-	-	-
3040.00	**5975708.68**	**4832.11**	**27112.91**	**92.90**	**185.80**	**62.70**	**134.66**	**186.00**	**143.38**	**211.02**	**6.00**
3041.00	5980530.21	4821.53	-	-	-	-	-	-	-	-	-
3042.00	5985342.38	4812.17	-	-	-	-	-	-	-	-	-
3043.00	5990146.13	4803.76	-	-	-	-	-	-	-	-	-
3044.00	5994941.58	4795.45	-	-	-	-	-	-	-	-	-
3045.00	5999728.16	4786.58	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals		CAVERN : PPG No. 006X	16
DATE : October 28, 2023		OPERATION No. : 2	

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3046.00	6004505.08	4776.92	-	-	-	-	-	-	-	-	-
3047.00	6009272.44	4767.36	-	-	-	-	-	-	-	-	-
3048.00	6014031.22	4758.78	-	-	-	-	-	-	-	-	-
3049.00	6018780.60	4749.38	-	-	-	-	-	-	-	-	-
3050.00	**6023521.05**	**4740.45**	**26598.49**	**92.01**	**184.03**	**63.06**	**133.60**	**195.00**	**143.20**	**207.91**	**6.00**
3051.00	6028254.39	4733.33	-	-	-	-	-	-	-	-	-
3052.00	6032980.37	4725.99	-	-	-	-	-	-	-	-	-
3053.00	6037698.77	4718.40	-	-	-	-	-	-	-	-	-
3054.00	6042408.66	4709.89	-	-	-	-	-	-	-	-	-
3055.00	6047109.29	4700.63	-	-	-	-	-	-	-	-	-
3056.00	6051800.60	4691.31	-	-	-	-	-	-	-	-	-
3057.00	6056482.95	4682.35	-	-	-	-	-	-	-	-	-
3058.00	6061157.04	4674.08	-	-	-	-	-	-	-	-	-
3059.00	6065819.27	4662.23	-	-	-	-	-	-	-	-	-
3060.00	**6070474.06**	**4654.80**	**26120.72**	**91.18**	**182.37**	**64.57**	**131.29**	**168.00**	**141.95**	**204.85**	**168.00**
3061.00	6075154.49	4680.43	-	-	-	-	-	-	-	-	-
3062.00	6079935.72	4781.23	-	-	-	-	-	-	-	-	-
3063.00	6084864.86	4929.14	-	-	-	-	-	-	-	-	-
3064.00	6090043.53	5178.68	-	-	-	-	-	-	-	-	-
3065.00	6095610.46	5566.93	-	-	-	-	-	-	-	-	-
3066.00	6101743.16	6132.69	-	-	-	-	-	-	-	-	-
3067.00	6108784.83	7041.68	-	-	-	-	-	-	-	-	-
3068.00	6117113.80	8328.97	-	-	-	-	-	-	-	-	-
3069.00	6127475.84	10362.04	-	-	-	-	-	-	-	-	-
3070.00	**6140292.50**	**12816.66**	**74510.05**	**154.41**	**308.81**	**71.64**	**229.92**	**66.00**	**239.01**	**388.66**	**66.00**
3071.00	6154507.28	14214.78	-	-	-	-	-	-	-	-	-
3072.00	6169706.35	15199.08	-	-	-	-	-	-	-	-	-
3073.00	6186042.81	16336.45	-	-	-	-	-	-	-	-	-
3074.00	6203202.65	17159.84	-	-	-	-	-	-	-	-	-
3075.00	6220839.30	17636.65	-	-	-	-	-	-	-	-	-
3076.00	6238963.43	18124.13	-	-	-	-	-	-	-	-	-
3077.00	6257822.66	18859.23	-	-	-	-	-	-	-	-	-
3078.00	6278146.61	20323.94	-	-	-	-	-	-	-	-	-
3079.00	6300549.01	22402.40	-	-	-	-	-	-	-	-	-
3080.00	**6324112.83**	**23563.82**	**133935.13**	**206.48**	**412.95**	**104.18**	**337.36**	**78.00**	**280.27**	**635.32**	**72.00**
3081.00	6348917.64	24804.81	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	17

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3082.00	6374857.43	25939.79	-	-	-	-	-	-	-	-	-
3083.00	6401838.37	26980.94	-	-	-	-	-	-	-	-	-
3084.00	6429244.16	27405.79	-	-	-	-	-	-	-	-	-
3085.00	6456878.19	27634.02	-	-	-	-	-	-	-	-	-
3086.00	6484584.14	27705.95	-	-	-	-	-	-	-	-	-
3087.00	6512288.63	27704.49	-	-	-	-	-	-	-	-	-
3088.00	6539898.51	27609.88	-	-	-	-	-	-	-	-	-
3089.00	6566436.72	26538.21	-	-	-	-	-	-	-	-	-
3090.00	**6591594.14**	**25157.42**	**139252.46**	**210.79**	**421.58**	**111.69**	**281.59**	**78.00**	**349.35**	**542.68**	**78.00**
3091.00	6615403.19	23809.05	-	-	-	-	-	-	-	-	-
3092.00	6637882.43	22479.24	-	-	-	-	-	-	-	-	-
3093.00	6659015.85	21133.41	-	-	-	-	-	-	-	-	-
3094.00	6678648.84	19632.99	-	-	-	-	-	-	-	-	-
3095.00	6696831.64	18182.81	-	-	-	-	-	-	-	-	-
3096.00	6713685.80	16854.16	-	-	-	-	-	-	-	-	-
3097.00	6729342.24	15656.44	-	-	-	-	-	-	-	-	-
3098.00	6744011.67	14669.43	-	-	-	-	-	-	-	-	-
3099.00	6758062.34	14050.67	-	-	-	-	-	-	-	-	-
3100.00	**6771745.95**	**13683.61**	**76396.23**	**155.94**	**311.88**	**110.82**	**214.66**	**162.00**	**262.89**	**336.33**	**162.00**
3101.00	6785164.76	13418.81	-	-	-	-	-	-	-	-	-
3102.00	6798345.75	13180.99	-	-	-	-	-	-	-	-	-
3103.00	6811340.68	12994.93	-	-	-	-	-	-	-	-	-
3104.00	6824187.96	12847.28	-	-	-	-	-	-	-	-	-
3105.00	6836889.83	12701.87	-	-	-	-	-	-	-	-	-
3106.00	6849432.27	12542.43	-	-	-	-	-	-	-	-	-
3107.00	6861830.31	12398.04	-	-	-	-	-	-	-	-	-
3108.00	6874097.07	12266.76	-	-	-	-	-	-	-	-	-
3109.00	6886221.67	12124.60	-	-	-	-	-	-	-	-	-
3110.00	**6898194.97**	**11973.30**	**67021.62**	**146.06**	**292.12**	**98.47**	**207.14**	**162.00**	**231.33**	**319.62**	**162.00**
3111.00	6910018.18	11823.22	-	-	-	-	-	-	-	-	-
3112.00	6921692.97	11674.79	-	-	-	-	-	-	-	-	-
3113.00	6933221.10	11528.13	-	-	-	-	-	-	-	-	-
3114.00	6944603.84	11382.74	-	-	-	-	-	-	-	-	-
3115.00	6955841.87	11238.04	-	-	-	-	-	-	-	-	-
3116.00	6966935.91	11094.03	-	-	-	-	-	-	-	-	-
3117.00	6977886.70	10950.79	-	-	-	-	-	-	-	-	-

SONIC SURVEYS

CUSTOMER : Westlake Chemicals
DATE : October 28, 2023

CAVERN : PPG No. 006X
OPERATION No. : 2

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3118.00	6988695.04	10808.33	-	-	-	-	-	-	-	-	-
3119.00	6999346.40	10651.36	-	-	-	-	-	-	-	-	-
3120.00	**7009836.58**	**10490.18**	**58675.85**	**136.66**	**273.33**	**86.62**	**195.19**	**162.00**	**211.17**	**298.28**	**156.00**
3121.00	7020166.64	10330.06	-	-	-	-	-	-	-	-	-
3122.00	7030337.92	10171.28	-	-	-	-	-	-	-	-	-
3123.00	7040351.80	10013.88	-	-	-	-	-	-	-	-	-
3124.00	7050209.61	9857.81	-	-	-	-	-	-	-	-	-
3125.00	7059912.61	9703.00	-	-	-	-	-	-	-	-	-
3126.00	7069462.08	9549.47	-	-	-	-	-	-	-	-	-
3127.00	7078859.30	9397.22	-	-	-	-	-	-	-	-	-
3128.00	7088105.51	9246.21	-	-	-	-	-	-	-	-	-
3129.00	7097197.30	9091.80	-	-	-	-	-	-	-	-	-
3130.00	**7106134.12**	**8936.81**	**49975.20**	**126.13**	**252.25**	**74.87**	**185.38**	**192.00**	**184.17**	**278.01**	**12.00**
3131.00	7114919.17	8785.05	-	-	-	-	-	-	-	-	-
3132.00	7123555.87	8636.70	-	-	-	-	-	-	-	-	-
3133.00	7132046.78	8490.91	-	-	-	-	-	-	-	-	-
3134.00	7140394.32	8347.54	-	-	-	-	-	-	-	-	-
3135.00	7148600.91	8206.59	-	-	-	-	-	-	-	-	-
3136.00	7156668.95	8068.04	-	-	-	-	-	-	-	-	-
3137.00	7164600.48	7931.53	-	-	-	-	-	-	-	-	-
3138.00	7172397.35	7796.86	-	-	-	-	-	-	-	-	-
3139.00	7180066.40	7669.06	-	-	-	-	-	-	-	-	-
3140.00	**7187611.81**	**7545.41**	**42195.33**	**115.89**	**231.79**	**67.73**	**175.75**	**174.00**	**153.72**	**260.56**	**12.00**
3141.00	7195036.37	7424.56	-	-	-	-	-	-	-	-	-
3142.00	7202344.02	7307.65	-	-	-	-	-	-	-	-	-
3143.00	7209538.68	7194.66	-	-	-	-	-	-	-	-	-
3144.00	7216624.63	7085.94	-	-	-	-	-	-	-	-	-
3145.00	7223604.38	6979.75	-	-	-	-	-	-	-	-	-
3146.00	7230479.55	6875.17	-	-	-	-	-	-	-	-	-
3147.00	7237251.65	6772.10	-	-	-	-	-	-	-	-	-
3148.00	7243923.53	6671.88	-	-	-	-	-	-	-	-	-
3149.00	7250527.12	6603.59	-	-	-	-	-	-	-	-	-
3150.00	**7257073.38**	**6546.26**	**36667.20**	**108.03**	**216.07**	**60.09**	**173.73**	**174.00**	**136.74**	**248.68**	**12.00**
3151.00	7263564.59	6491.21	-	-	-	-	-	-	-	-	-
3152.00	7270002.37	6437.78	-	-	-	-	-	-	-	-	-
3153.00	7276387.98	6385.61	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	19

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3154.00	7282722.31	6334.32	-	-	-	-	-	-	-	-	-
3155.00	7289005.98	6283.67	-	-	-	-	-	-	-	-	-
3156.00	7295239.96	6233.99	-	-	-	-	-	-	-	-	-
3157.00	7301429.16	6189.20	-	-	-	-	-	-	-	-	-
3158.00	7307575.39	6146.23	-	-	-	-	-	-	-	-	-
3159.00	7313686.50	6111.12	-	-	-	-	-	-	-	-	-
3160.00	**7319764.40**	**6077.90**	**34091.92**	**104.17**	**208.34**	**51.94**	**169.81**	**174.00**	**130.44**	**241.76**	**12.00**
3161.00	7325809.20	6044.80	-	-	-	-	-	-	-	-	-
3162.00	7331822.60	6013.40	-	-	-	-	-	-	-	-	-
3163.00	7337806.07	5983.47	-	-	-	-	-	-	-	-	-
3164.00	7343760.30	5954.23	-	-	-	-	-	-	-	-	-
3165.00	7349685.50	5925.21	-	-	-	-	-	-	-	-	-
3166.00	7355581.52	5896.02	-	-	-	-	-	-	-	-	-
3167.00	7361449.07	5867.55	-	-	-	-	-	-	-	-	-
3168.00	7367288.57	5839.50	-	-	-	-	-	-	-	-	-
3169.00	7373094.11	5805.54	-	-	-	-	-	-	-	-	-
3170.00	**7378863.29**	**5769.18**	**32357.15**	**101.49**	**202.97**	**50.50**	**168.38**	**186.00**	**127.96**	**234.98**	**12.00**
3171.00	7384596.95	5733.66	-	-	-	-	-	-	-	-	-
3172.00	7390297.77	5700.82	-	-	-	-	-	-	-	-	-
3173.00	7395967.87	5670.11	-	-	-	-	-	-	-	-	-
3174.00	7401608.37	5640.50	-	-	-	-	-	-	-	-	-
3175.00	7407220.70	5612.33	-	-	-	-	-	-	-	-	-
3176.00	7412805.37	5584.67	-	-	-	-	-	-	-	-	-
3177.00	7418362.42	5557.05	-	-	-	-	-	-	-	-	-
3178.00	7423891.98	5529.56	-	-	-	-	-	-	-	-	-
3179.00	7429399.66	5507.68	-	-	-	-	-	-	-	-	-
3180.00	**7434889.54**	**5489.88**	**30792.42**	**99.00**	**198.01**	**51.05**	**167.67**	**186.00**	**126.65**	**228.40**	**6.00**
3181.00	7440363.15	5473.61	-	-	-	-	-	-	-	-	-
3182.00	7445823.10	5459.95	-	-	-	-	-	-	-	-	-
3183.00	7451269.52	5446.42	-	-	-	-	-	-	-	-	-
3184.00	7456701.91	5432.39	-	-	-	-	-	-	-	-	-
3185.00	7462120.23	5418.31	-	-	-	-	-	-	-	-	-
3186.00	7467527.84	5407.61	-	-	-	-	-	-	-	-	-
3187.00	7472929.22	5401.39	-	-	-	-	-	-	-	-	-
3188.00	7478332.59	5403.37	-	-	-	-	-	-	-	-	-
3189.00	7483744.81	5412.22	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	20

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3190.00	**7489169.40**	**5424.59**	**30477.76**	**98.50**	**196.99**	**49.39**	**169.30**	**186.00**	**123.83**	**225.42**	**6.00**
3191.00	7494609.20	5439.80	-	-	-	-	-	-	-	-	-
3192.00	7500067.07	5457.86	-	-	-	-	-	-	-	-	-
3193.00	7505544.89	5477.82	-	-	-	-	-	-	-	-	-
3194.00	7511064.72	5519.83	-	-	-	-	-	-	-	-	-
3195.00	7516823.91	5759.19	-	-	-	-	-	-	-	-	-
3196.00	7523136.70	6312.79	-	-	-	-	-	-	-	-	-
3197.00	7529922.98	6786.28	-	-	-	-	-	-	-	-	-
3198.00	7537024.19	7101.22	-	-	-	-	-	-	-	-	-
3199.00	7544557.96	7533.77	-	-	-	-	-	-	-	-	-
3200.00	**7552526.70**	**7968.74**	**45039.03**	**119.73**	**239.47**	**45.60**	**379.08**	**192.00**	**128.05**	**433.76**	**12.00**
3201.00	7560887.22	8360.52	-	-	-	-	-	-	-	-	-
3202.00	7569687.98	8800.76	-	-	-	-	-	-	-	-	-
3203.00	7578962.11	9274.13	-	-	-	-	-	-	-	-	-
3204.00	7588633.14	9671.03	-	-	-	-	-	-	-	-	-
3205.00	7598713.63	10080.49	-	-	-	-	-	-	-	-	-
3206.00	7609299.35	10585.72	-	-	-	-	-	-	-	-	-
3207.00	7620597.78	11298.43	-	-	-	-	-	-	-	-	-
3208.00	7632776.62	12178.84	-	-	-	-	-	-	-	-	-
3209.00	7646013.97	13237.34	-	-	-	-	-	-	-	-	-
3210.00	**7660262.29**	**14248.33**	**81340.39**	**160.99**	**321.97**	**45.57**	**379.32**	**192.00**	**163.44**	**431.84**	**12.00**
3211.00	7675202.19	14939.89	-	-	-	-	-	-	-	-	-
3212.00	7690688.47	15486.28	-	-	-	-	-	-	-	-	-
3213.00	7706734.65	16046.18	-	-	-	-	-	-	-	-	-
3214.00	7723165.31	16430.66	-	-	-	-	-	-	-	-	-
3215.00	7739940.56	16775.25	-	-	-	-	-	-	-	-	-
3216.00	7757067.65	17127.09	-	-	-	-	-	-	-	-	-
3217.00	7774536.39	17468.75	-	-	-	-	-	-	-	-	-
3218.00	7792326.85	17790.46	-	-	-	-	-	-	-	-	-
3219.00	7810436.99	18110.14	-	-	-	-	-	-	-	-	-
3220.00	**7828821.17**	**18384.17**	**103318.38**	**181.35**	**362.70**	**43.04**	**378.70**	**180.00**	**182.01**	**432.89**	**0.00**
3221.00	7847446.21	18625.05	-	-	-	-	-	-	-	-	-
3222.00	7866305.30	18859.09	-	-	-	-	-	-	-	-	-
3223.00	7885393.60	19088.29	-	-	-	-	-	-	-	-	-
3224.00	7904671.15	19277.56	-	-	-	-	-	-	-	-	-
3225.00	7924115.44	19444.29	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	21

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3226.00	7943707.35	19591.91	-	-	-	-	-	-	-	-	-
3227.00	7963418.21	19710.86	-	-	-	-	-	-	-	-	-
3228.00	7983252.47	19834.27	-	-	-	-	-	-	-	-	-
3229.00	8003191.60	19939.13	-	-	-	-	-	-	-	-	-
3230.00	**8023212.26**	**20020.66**	**112043.74**	**188.85**	**377.70**	**45.03**	**381.35**	**180.00**	**201.08**	**433.35**	**0.00**
3231.00	8043335.18	20122.92	-	-	-	-	-	-	-	-	-
3232.00	8063590.86	20255.68	-	-	-	-	-	-	-	-	-
3233.00	8084014.48	20423.62	-	-	-	-	-	-	-	-	-
3234.00	8104711.14	20696.66	-	-	-	-	-	-	-	-	-
3235.00	8125855.80	21144.67	-	-	-	-	-	-	-	-	-
3236.00	8147846.27	21990.47	-	-	-	-	-	-	-	-	-
3237.00	8170705.13	22858.86	-	-	-	-	-	-	-	-	-
3238.00	8193669.37	22964.23	-	-	-	-	-	-	-	-	-
3239.00	8216667.01	22997.64	-	-	-	-	-	-	-	-	-
3240.00	**8239691.79**	**23024.78**	**129191.08**	**202.79**	**405.58**	**42.21**	**381.25**	**180.00**	**231.74**	**431.89**	**0.00**
3241.00	8262735.16	23043.37	-	-	-	-	-	-	-	-	-
3242.00	8285788.35	23053.19	-	-	-	-	-	-	-	-	-
3243.00	8308849.31	23060.95	-	-	-	-	-	-	-	-	-
3244.00	8332029.47	23180.16	-	-	-	-	-	-	-	-	-
3245.00	8355241.67	23212.20	-	-	-	-	-	-	-	-	-
3246.00	8378475.38	23233.71	-	-	-	-	-	-	-	-	-
3247.00	8401721.03	23245.65	-	-	-	-	-	-	-	-	-
3248.00	8424972.34	23251.31	-	-	-	-	-	-	-	-	-
3249.00	8448322.26	23349.91	-	-	-	-	-	-	-	-	-
3250.00	**8471845.74**	**23523.48**	**132371.07**	**205.27**	**410.54**	**43.95**	**384.64**	**180.00**	**321.32**	**448.94**	**0.00**
3251.00	8495566.74	23721.01	-	-	-	-	-	-	-	-	-
3252.00	8519511.68	23944.94	-	-	-	-	-	-	-	-	-
3253.00	8543706.13	24194.44	-	-	-	-	-	-	-	-	-
3254.00	8568344.81	24638.68	-	-	-	-	-	-	-	-	-
3255.00	8593576.11	25231.30	-	-	-	-	-	-	-	-	-
3256.00	8619500.83	25924.72	-	-	-	-	-	-	-	-	-
3257.00	8646210.44	26709.61	-	-	-	-	-	-	-	-	-
3258.00	8673799.02	27588.58	-	-	-	-	-	-	-	-	-
3259.00	8701665.17	27866.15	-	-	-	-	-	-	-	-	-
3260.00	**8729565.39**	**27900.22**	**156716.47**	**223.48**	**446.96**	**44.55**	**379.31**	**168.00**	**307.73**	**554.70**	**168.00**
3261.00	8757457.64	27892.25	-	-	-	-	-	-	-	-	-

SONIC SURVEYS	CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 2	22

MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3262.00	8785202.59	27744.95	-	-	-	-	-	-	-	-	-
3263.00	8812691.44	27488.85	-	-	-	-	-	-	-	-	-
3264.00	8839861.01	27169.57	-	-	-	-	-	-	-	-	-
3265.00	8866682.19	26821.18	-	-	-	-	-	-	-	-	-
3266.00	8893013.79	26331.60	-	-	-	-	-	-	-	-	-
3267.00	8919496.88	26483.09	-	-	-	-	-	-	-	-	-
3268.00	8946113.66	26616.78	-	-	-	-	-	-	-	-	-
3269.00	8972907.08	26793.42	-	-	-	-	-	-	-	-	-
3270.00	**8999897.76**	**26990.68**	**151236.86**	**219.70**	**439.40**	**2.19**	**339.74**	**147.00**	**-**	**-**	**-**
3271.00	9026794.63	26896.87	-	-	-	-	-	-	-	-	-
3272.00	9053403.58	26608.95	-	-	-	-	-	-	-	-	-
3273.00	9079702.07	26298.49	-	-	-	-	-	-	-	-	-
3274.00	9105659.36	25957.30	-	-	-	-	-	-	-	-	-
3275.00	9131230.07	25570.70	-	-	-	-	-	-	-	-	-
3276.00	9156423.57	25193.50	-	-	-	-	-	-	-	-	-
3277.00	9181205.51	24781.94	-	-	-	-	-	-	-	-	-
3278.00	9205545.29	24339.79	-	-	-	-	-	-	-	-	-
3279.00	9229445.44	23900.15	-	-	-	-	-	-	-	-	-
3280.00	**9252957.83**	**23512.39**	**131924.79**	**204.92**	**409.84**	**10.43**	**335.82**	**150.00**	**-**	**-**	**-**
3281.00	9276232.76	23274.93	-	-	-	-	-	-	-	-	-
3282.00	9299396.73	23163.97	-	-	-	-	-	-	-	-	-
3283.00	9322423.60	23026.87	-	-	-	-	-	-	-	-	-
3284.00	9345268.01	22844.42	-	-	-	-	-	-	-	-	-
3285.00	9367908.16	22640.14	-	-	-	-	-	-	-	-	-
3286.00	9390346.69	22438.53	-	-	-	-	-	-	-	-	-
3287.00	9412553.37	22206.68	-	-	-	-	-	-	-	-	-
3288.00	9434495.54	21942.17	-	-	-	-	-	-	-	-	-
3289.00	9456140.26	21644.72	-	-	-	-	-	-	-	-	-
3290.00	**9477476.19**	**21335.93**	**119845.06**	**195.31**	**390.63**	**32.65**	**325.59**	**150.00**	**-**	**-**	**-**
3291.00	9498465.02	20988.84	-	-	-	-	-	-	-	-	-
3292.00	9519069.15	20604.13	-	-	-	-	-	-	-	-	-
3293.00	9539218.62	20149.47	-	-	-	-	-	-	-	-	-
3294.00	9558931.01	19712.39	-	-	-	-	-	-	-	-	-
3295.00	9578217.98	19286.97	-	-	-	-	-	-	-	-	-
3296.00	9597074.74	18856.77	-	-	-	-	-	-	-	-	-
3297.00	9615476.22	18401.48	-	-	-	-	-	-	-	-	-

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	23	
DATE : October 28, 2023	OPERATION No. : 2		

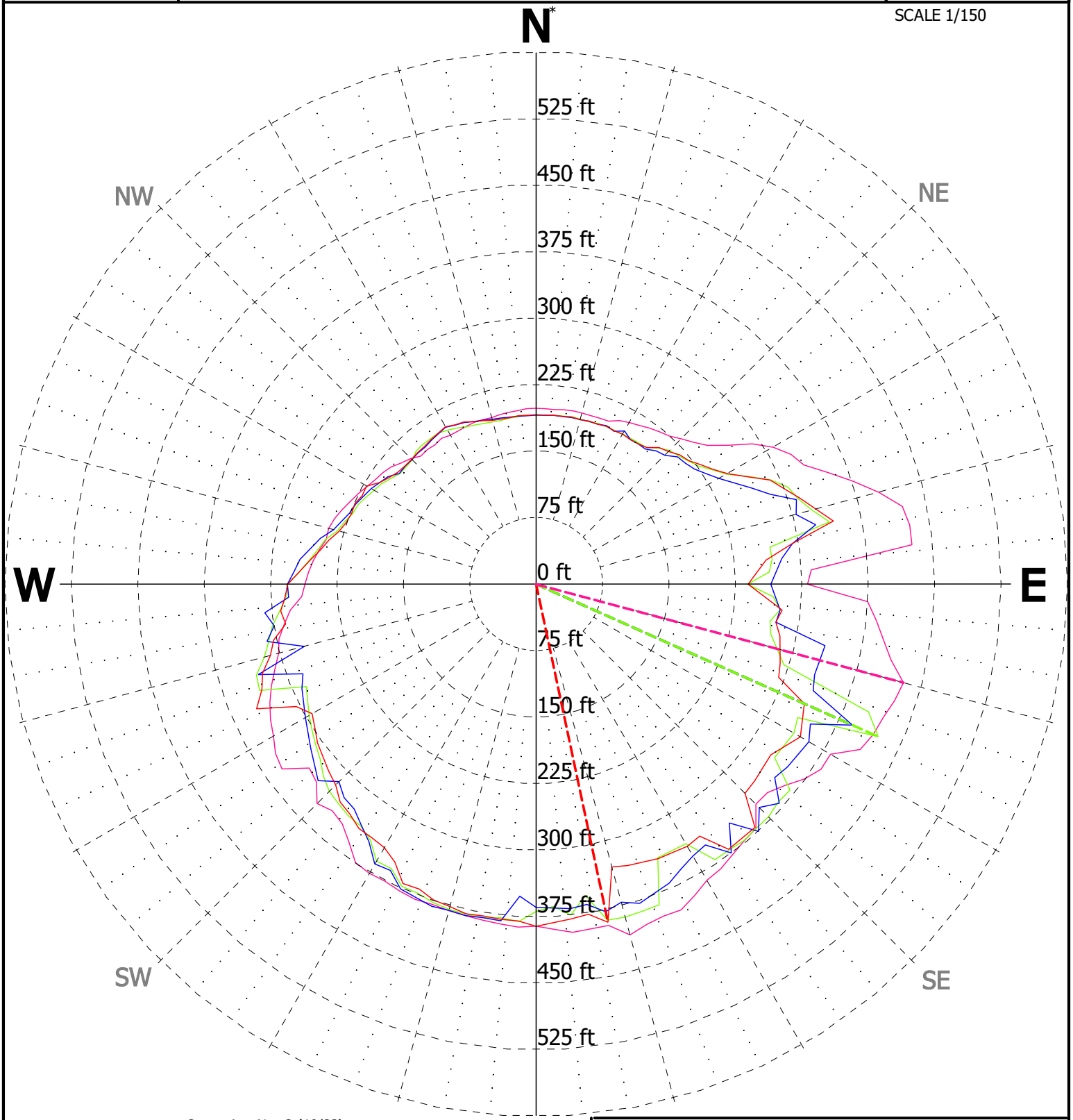
MAIN CHARACTERISTICS DATASHEET

Depth (ft)	Cumulated Volume (bbl)	Volume Section (bbl)	Section Area (ft²)	Mean Radius (ft)	Mean Diameter (ft)	Min Radius (ft)	Max Radius (ft)	Max Radius Orientation (°)	Min Diameter (ft)	Max Diameter (ft)	Max Diam. Orientation (°)
3298.00	9633398.30	17922.08	-	-	-	-	-	-	-	-	-
3299.00	9650849.14	17450.84	-	-	-	-	-	-	-	-	-
3300.00	**9667805.21**	**16956.07**	**94419.54**	**174.10**	**348.20**	**55.53**	**308.26**	**162.00**	**-**	**-**	**-**
3301.00	9684178.86	16373.65	-	-	-	-	-	-	-	-	-
3302.00	9699875.54	15696.69	-	-	-	-	-	-	-	-	-
3303.00	9714821.12	14945.58	-	-	-	-	-	-	-	-	-
3304.00	9728967.96	14146.84	-	-	-	-	-	-	-	-	-
3305.00	9742309.33	13341.36	-	-	-	-	-	-	-	-	-
3306.00	9754830.61	12521.28	-	-	-	-	-	-	-	-	-
3307.00	9766531.17	11700.57	-	-	-	-	-	-	-	-	-
3308.00	9777336.16	10804.99	-	-	-	-	-	-	-	-	-
3309.00	9787207.59	9871.43	-	-	-	-	-	-	-	-	-
3310.00	**9796080.97**	**8873.38**	**48818.08**	**124.69**	**249.38**	**93.36**	**287.49**	**162.00**	**-**	**-**	**-**
3311.00	9803871.79	7790.82	-	-	-	-	-	-	-	-	-
3312.00	9810759.25	6887.46	-	-	-	-	-	-	-	-	-
3313.00	9816617.77	5858.52	-	-	-	-	-	-	-	-	-
3314.00	9821653.97	5036.20	-	-	-	-	-	-	-	-	-
3315.00	9825894.75	4240.78	-	-	-	-	-	-	-	-	-
3316.00	9829348.60	3453.85	-	-	-	-	-	-	-	-	-
3317.00	9832105.19	2756.59	-	-	-	-	-	-	-	-	-
3318.00	9834173.74	2068.55	-	-	-	-	-	-	-	-	-
3319.00	9835639.65	1465.91	-	-	-	-	-	-	-	-	-
3320.00	**9836493.99**	**854.34**	**3716.90**	**34.40**	**68.79**	**170.61**	**268.32**	**150.00**	**-**	**-**	**-**
3321.00	9836843.84	349.85	-	-	-	-	-	-	-	-	-
3322.00	9836936.10	92.26	-	-	-	-	-	-	-	-	-
3323.00	9836946.34	10.24	-	-	-	-	-	-	-	-	-
3324.00	9836946.34	0.00	-	-	-	-	-	-	-	-	-

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:3

MAXIMUM EXTENSION

SCALE 1/150



Operation No. 3 (10/23)
Operation No. 2 (03/22)
Operation No. 1 (12/21)
Operation No. 0 (07/16)

Maximum radius	: 389.82 ft
Orientation maxi. radius*	: N168
Depth maxi. radius (MD)	: 3258.02 ft
Surface	: 254488.34 ft²
Max distance between points	: 684.56 ft

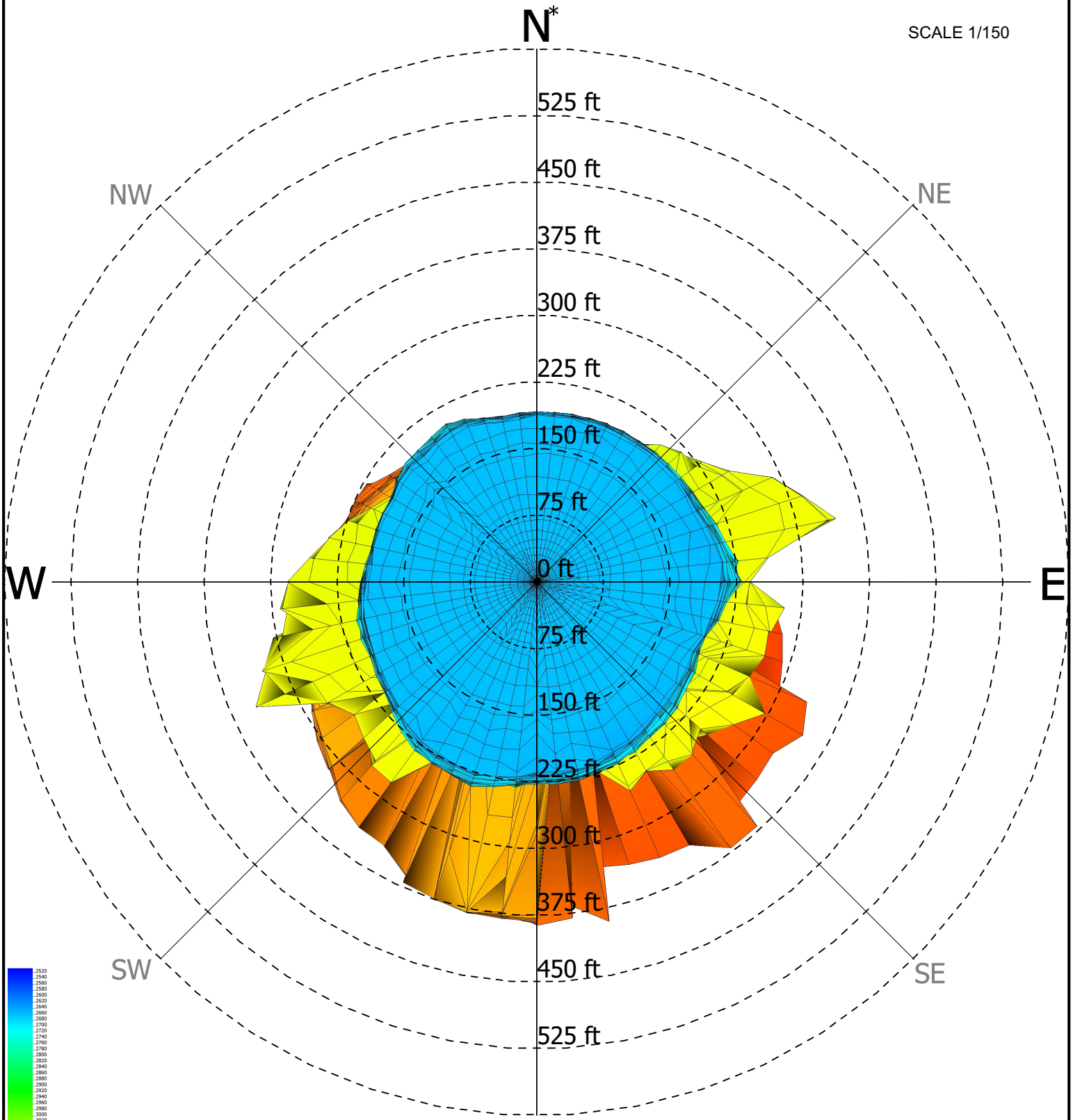
*All sections are oriented to Magnetic North.

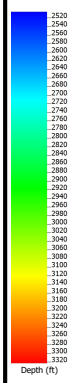
Magnetic Declination= 0.7°

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 2	

VIEW FROM ABOVE

SCALE 1/150





*All sections are oriented to Magnetic North.

Magnetic Declination= 0.7°

Maximum radius	: 389.82 ft
Orientation maxi. radius*	: N168
Depth maxi. radius	: 3258.02 ft
Surface	: 257088.18 ft²
Max distance between points	: 684.56 ft

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGE VS BEARING

Bearing	0.0	3.0	6.0	9.0
0	191.3: 2727.98	191.0: 2667.99	191.6: 2698.3	191.7: 2667.99
12	192.7: 2667.99	192.2: 2667.99	193.5: 2717.96	193.3: 2717.96
24	194.3: 2698.3	194.2: 2717.96	195.4: 2717.96	194.6: 2738.02
36	195.7: 2698.3	198.1: 3078	207.4: 3078	210.7: 3078
48	214.7: 3078	221.6: 3078	229.5: 3078	238.0: 3078
60	247.8: 3078	261.8: 3078	278.2: 3078	293.9: 3078
72	313.4: 3082.97	327.1: 3082.97	343.0: 3082.97	295.5: 3082.97
84	260.1: 3082.97	248.5: 3082.97	239.3: 3088	241.1: 3088
96	243.6: 3088	233.9: 3088	231.0: 3082.97	231.4: 3088
108	238.3: 3088	243.2: 3088	249.1: 3088	270.0: 3088
120	295.6: 3088	283.3: 3088	272.6: 3088	247.4: 3088
132	227.0: 3088	225.7: 3088	225.1: 3088	226.7: 3088
144	229.0: 3088	223.9: 3088	220.8: 2837.95	236.3: 3088
156	256.4: 3088	223.7: 2717.96	224.8: 2717.96	225.9: 2717.96
168	227.6: 2717.96	227.4: 2708	228.1: 2698.3	279.2: 3253.01
180	382.9: 3242.97	380.3: 3242.97	382.8: 3253.01	378.7: 3237.97
192	380.1: 3247.98	374.5: 3227.98	371.3: 3227.98	363.8: 3232.98
204	361.5: 3247.98	351.5: 3247.98	343.0: 3247.98	335.7: 3247.98
216	329.6: 3247.98	327.7: 3247.98	330.6: 3237.97	322.2: 3227.98
228	315.1: 3227.98	309.5: 3227.98	304.9: 3227.98	297.7: 3227.98
240	292.0: 3222.97	303.2: 3082.97	345.4: 3082.97	331.5: 3082.97
252	324.6: 3078	313.2: 3078	303.3: 3078	296.0: 3078
264	289.9: 3078	282.3: 3078	275.8: 3078	263.8: 3078
276	253.4: 3078	243.5: 3078	239.1: 3258.02	236.6: 3258.02
288	234.7: 3258.02	228.9: 3258.02	223.9: 3258.02	220.3: 3258.02
300	217.3: 3258.02	210.6: 3258.02	204.9: 3258.02	200.8: 3258.02
312	199.3: 2717.96	199.0: 2717.96	199.3: 2717.96	199.2: 2708
324	201.8: 2758.06	201.9: 2708	205.1: 2717.96	201.7: 2698.3
336	200.4: 2698.3	196.2: 2698.3	194.1: 2717.96	191.7: 2747.93
348	190.5: 2747.93	190.2: 2698.3	191.0: 2698.3	190.8: 2727.98

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

Wall Range versus Depth
(N, NE, E, SE, S, SW, W, NW)

DEPTH	TILT	N	NE	E	SE	S	SW	W	NW
2503.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2508.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2518.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2528.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2538.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2548.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2558.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2567.9	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2578.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2588.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2598.0	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2607.9	0	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
2618.0	0	2.85	2.67	2.78	2.26	2.31	2.76	2.28	2.72
2628.0	0	2.96	2.95	3.39	3.22	4.36	4.44	3.96	3.29
2632.0	0	4.72	4.10	4.12	3.15	2.64	2.44	3.10	3.82
2636.0	0	4.86	4.94	7.12	6.87	4.86	6.59	7.22	6.51
2638.0	0	187.27	193.17	208.49	198.33	216.52	210.64	194.15	193.29
2643.0	0	187.56	193.40	210.21	200.70	218.35	216.60	192.72	192.45
2648.0	0	188.71	192.46	216.52	199.02	216.80	215.40	195.59	193.17
2658.0	0	188.99	193.46	213.94	202.05	222.54	217.99	195.30	195.32
2668.0	0	191.29	194.75	221.23	205.05	222.25	217.14	196.73	197.32
2678.0	0	191.29	196.32	226.67	207.42	223.68	219.71	197.02	197.61
2687.9	0	190.43	196.89	227.99	209.34	224.83	219.87	196.73	198.61
2698.3	0	190.49	196.68	229.79	209.57	227.04	222.81	197.37	197.92
2708.0	0	189.67	196.68	227.70	211.77	225.12	222.00	197.91	198.19
2718.0	0	191.32	196.68	222.48	211.46	225.40	218.18	197.91	199.02
2718.0	10	191.59	200.39	228.31	212.44	228.69	223.44	199.29	201.07
2718.0	15	197.64	202.60	224.57	210.98	228.69	223.93	203.41	202.87
2718.0	20	199.29	202.89	224.57	210.86	231.38	224.80	205.88	205.77
2718.0	22	203.45	206.42	230.62	214.01	230.62	227.97	207.75	206.20
2718.0	24	205.33	206.82	224.30	212.69	202.04	200.89	206.83	206.87
2718.0	26	191.59	186.67	182.53	186.17	181.97	185.44	184.12	184.08
2718.0	28	175.53	171.66	180.60	173.64	174.30	174.57	170.98	173.49
2718.0	30	166.32	166.98	169.09	163.24	167.41	164.62	165.71	166.00
2718.0	35	143.92	142.71	143.61	142.87	142.69	143.48	144.54	143.33
2718.0	40	126.74	129.09	126.74	129.09	127.96	127.55	126.74	128.17
2718.0	45	116.92	115.76	115.38	115.76	116.92	116.22	116.30	116.22
2718.0	50	108.63	108.56	108.16	107.43	108.16	107.32	108.58	107.56

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

Wall Range versus Depth
(N, NE, E, SE, S, SW, W, NW)

DEPTH	TILT	N	NE	E	SE	S	SW	W	NW
2718.0	55	101.17	100.03	99.31	99.81	99.91	99.72	100.25	100.11
2718.0	60	95.58	94.32	96.36	94.23	94.49	94.30	93.56	94.99
2718.0	65	90.54	90.82	90.45	89.81	90.19	89.56	90.02	90.68
2718.0	70	86.90	86.93	87.66	87.51	87.19	87.02	87.81	87.72
2718.0	75	84.86	85.72	84.40	84.70	84.71	84.07	85.33	84.72
2718.0	80	83.93	83.14	83.62	83.28	83.78	82.99	82.22	83.31
2718.0	85	81.60	81.91	83.15	83.08	82.91	82.14	83.26	82.71
2728.0	0	191.32	196.95	215.78	212.46	226.22	218.49	196.82	198.19
2738.0	0	190.22	196.13	218.25	209.96	225.12	217.66	198.19	198.05
2747.9	0	189.67	196.12	216.88	211.48	223.75	218.59	194.34	196.41
2758.1	0	188.30	195.99	223.71	209.67	223.47	217.95	193.79	197.09
2767.9	0	187.38	195.18	219.68	209.90	225.28	218.37	193.28	196.89
2778.0	0	189.55	193.94	219.06	209.90	222.17	217.01	194.83	195.80
2788.0	0	188.31	194.71	222.36	208.97	224.34	218.91	195.45	195.80
2798.1	0	188.93	195.03	219.93	207.43	224.03	216.84	193.59	195.50
2808.0	0	188.57	193.98	215.85	208.59	223.52	218.76	195.74	194.57
2817.9	0	187.97	194.42	212.17	209.34	222.33	212.24	188.57	195.59
2828.0	0	188.16	194.28	215.85	208.29	224.12	215.87	193.94	190.22
2837.9	0	166.46	194.57	204.40	211.11	223.22	207.02	185.49	173.90
2847.9	-70	80.66	84.22	87.07	87.07	93.74	86.02	86.07	80.55
2847.9	-68	81.86	83.89	84.84	87.87	92.31	84.82	85.07	78.23
2847.9	-66	78.70	81.94	85.91	87.89	95.06	85.09	80.47	76.08
2847.9	-64	76.93	84.80	87.89	89.56	374.94	83.76	83.44	77.57
2847.9	-62	76.93	78.90	85.91	92.26	362.90	86.62	84.92	78.40
2847.9	-60	76.93	79.11	79.59	92.27	255.12	87.06	84.92	75.52
2847.9	-57	85.42	80.66	82.95	93.24	246.38	88.39	83.94	71.13
2847.9	-54	78.01	79.75	80.91	91.46	236.50	93.90	83.44	71.90
2847.9	-51	78.51	83.98	84.01	92.49	138.84	94.47	81.80	74.68
2847.9	-48	76.53	81.41	84.45	95.64	129.99	101.02	82.24	75.11
2847.9	-45	76.38	83.34	87.15	94.47	125.68	104.29	83.49	77.64
2847.9	-40	78.01	84.24	89.61	98.23	123.92	95.04	85.73	78.01
2847.9	-35	82.58	87.19	90.60	101.99	130.02	96.73	88.93	82.29
2847.9	-30	84.51	92.13	96.64	108.31	136.52	108.25	92.10	85.90
2847.9	-25	91.01	96.28	100.97	117.31	139.52	123.07	99.36	92.09
2847.9	-20	93.46	102.53	110.48	124.15	142.00	130.15	105.03	98.56
2847.9	0	146.74	162.51	181.70	207.31	221.13	217.80	179.48	153.99
2858.0	0	126.96	143.36	158.75	199.26	204.16	189.40	155.17	137.28
2868.0	0	112.09	125.92	137.96	176.09	181.70	169.08	138.20	122.49

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

Wall Range versus Depth
(N, NE, E, SE, S, SW, W, NW)

DEPTH	TILT	N	NE	E	SE	S	SW	W	NW
2878.0	0	90.64	107.54	116.45	148.44	163.60	145.68	112.62	102.10
2888.0	0	80.71	87.69	98.24	131.57	162.03	130.97	95.84	81.93
2898.0	0	64.37	72.43	79.75	104.51	133.42	115.68	73.50	62.10
2908.0	0	49.63	55.62	62.85	78.82	132.73	72.68	58.31	43.66
2918.0	0	35.02	37.04	40.60	61.05	120.07	73.66	40.76	31.16
2923.0	0	28.64	31.60	35.92	53.30	108.20	47.89	34.08	27.89
2928.0	0	21.34	25.90	31.06	42.09	97.94	29.37	29.11	20.45
2933.0	0	17.52	22.78	24.29	26.94	89.18	23.80	25.23	18.01
2938.1	0	13.92	19.35	24.08	23.81	27.25	20.61	24.02	16.80
2942.9	0	14.10	20.97	24.86	23.11	27.01	19.87	23.42	16.19
2948.0	0	12.61	20.18	25.93	20.11	26.35	18.57	23.48	16.27
2952.9	0	13.56	21.79	26.17	17.43	23.49	18.47	23.24	16.32
2958.0	0	13.35	22.16	25.93	17.32	23.02	18.41	23.42	16.43
2963.0	0	14.68	22.15	26.09	17.48	22.69	18.23	24.22	16.80
2968.1	0	12.75	21.64	25.01	16.24	20.49	16.10	21.78	16.37
2972.9	0	16.10	23.27	26.43	124.01	147.51	123.86	24.50	16.79
2978.0	0	70.87	68.13	81.81	122.87	145.58	123.94	75.44	70.20
2987.9	0	71.35	68.70	79.66	118.18	136.70	123.44	71.27	67.05
2997.9	0	71.70	65.49	80.73	117.77	134.52	120.35	71.70	68.12
3008.0	0	74.43	64.48	78.29	115.93	133.77	120.35	74.23	69.14
3018.0	42	72.60	72.96	68.68	72.24	114.09	73.03	71.48	72.54
3018.0	0	73.36	64.59	77.65	114.72	135.11	113.73	71.20	69.57
3018.0	10	74.61	66.33	80.64	120.62	137.36	123.59	74.85	68.49
3018.0	15	74.36	68.03	82.14	124.12	142.14	127.48	74.36	69.37
3018.0	18	75.97	67.75	83.40	129.61	142.89	131.31	76.25	70.13
3018.0	20	75.37	69.85	83.54	132.48	135.40	132.81	75.11	71.40
3018.0	22	75.87	72.79	86.66	123.48	127.55	124.14	78.21	72.56
3018.0	24	77.37	74.20	88.02	117.18	126.58	119.69	76.37	73.84
3018.0	27	78.13	74.91	91.93	101.30	111.01	105.71	82.42	76.54
3018.0	30	81.29	76.87	92.23	92.96	105.96	94.92	86.34	80.92
3018.0	33	83.26	78.70	83.65	84.94	102.88	86.39	86.41	83.78
3018.0	36	83.82	83.82	78.77	83.04	104.56	82.76	79.89	83.18
3018.0	39	78.21	77.02	74.29	77.02	110.73	78.21	76.25	78.15
3018.0	45	68.68	67.37	64.47	72.26	114.03	69.75	66.58	67.93
3018.0	48	66.52	62.14	62.99	67.10	331.27	66.92	60.41	64.46
3018.0	50	62.11	59.87	58.83	66.14	343.16	63.90	61.20	63.84
3018.0	52	60.35	58.23	59.47	63.39	352.33	61.56	58.44	60.76
3018.0	54	57.11	54.86	55.34	59.73	373.80	59.29	59.32	58.59

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

Wall Range versus Depth
(N, NE, E, SE, S, SW, W, NW)

DEPTH	TILT	N	NE	E	SE	S	SW	W	NW
3018.0	57	53.57	53.11	53.13	57.97	399.01	58.01	54.46	56.40
3018.0	60	52.69	51.56	50.92	54.22	58.00	55.31	51.80	53.54
3018.0	63	50.25	50.51	54.01	52.85	54.69	53.84	51.74	53.30
3018.0	66	51.06	52.29	61.50	51.60	54.11	51.92	58.99	48.71
3018.0	69	50.38	57.18	66.49	49.11	51.27	48.71	67.12	50.55
3018.0	72	49.02	64.65	74.23	55.02	67.17	50.55	66.72	51.05
3028.0	0	73.61	64.38	76.81	115.35	133.44	115.11	68.84	69.14
3038.0	0	75.41	62.85	74.61	114.90	131.35	113.66	69.34	68.45
3048.0	0	71.85	63.55	73.73	113.97	132.59	110.29	70.36	69.49
3058.0	0	73.61	64.46	73.45	113.03	130.84	109.41	68.96	69.35
3068.0	0	76.37	66.55	75.13	113.05	126.71	105.37	74.36	72.98
3073.0	0	161.22	204.72	165.95	112.28	122.56	129.39	75.37	171.98
3078.0	0	158.71	210.73	189.50	160.30	126.15	124.52	275.84	168.22
3083.0	0	153.69	197.68	238.54	220.21	126.58	144.66	269.67	161.96
3088.0	0	154.91	203.12	239.27	225.72	127.51	249.78	263.84	161.72
3093.0	0	138.78	180.80	170.11	203.93	207.98	179.29	168.13	141.83
3098.0	0	121.58	126.89	157.09	201.93	207.08	179.06	126.45	124.28
3108.0	8	145.83	214.61	215.08	201.20	159.05	196.79	246.65	158.96
3108.0	15	148.92	180.91	166.16	127.34	129.47	133.81	145.64	155.45
3108.0	18	128.21	130.89	124.34	120.93	130.85	116.10	123.36	126.28
3108.0	21	109.27	117.35	106.18	118.42	135.78	112.69	101.85	110.45
3108.0	24	93.84	103.57	95.61	123.92	142.31	116.73	92.52	98.14
3108.0	27	86.46	89.70	88.12	127.92	148.92	118.33	84.59	85.14
3108.0	30	88.43	81.63	86.35	131.44	152.35	126.71	82.91	83.02
3108.1	0	111.78	121.35	140.41	191.91	200.41	166.05	100.74	116.82
3108.1	1	111.31	119.69	142.71	189.48	202.67	171.98	107.66	115.52
3108.1	2	114.67	120.78	147.69	192.24	200.92	173.66	106.51	118.01
3108.1	3	112.99	122.07	155.05	200.60	200.92	175.66	110.19	123.10
3108.1	4	116.93	125.66	152.87	202.56	210.78	176.68	116.33	121.81
3108.1	5	117.52	127.94	158.77	216.07	213.47	178.06	119.91	139.47
3108.1	6	143.19	201.58	158.17	228.07	193.59	234.36	125.17	149.84
3108.1	10	160.24	214.82	193.86	168.72	126.71	159.78	215.89	168.10
3108.1	12	166.56	201.07	165.37	158.34	125.92	143.51	196.54	172.62
3118.0	0	96.72	112.03	136.14	179.56	191.77	154.63	89.19	106.21
3128.0	0	85.51	101.50	123.64	170.06	186.45	146.47	76.38	97.32
3138.0	0	79.07	93.76	112.15	160.90	171.29	135.73	68.85	86.93
3147.9	0	65.08	83.49	83.66	151.51	167.02	126.25	63.83	78.10
3157.9	0	64.83	74.89	67.85	138.78	168.28	120.95	68.35	70.47

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

Wall Range versus Depth
(N, NE, E, SE, S, SW, W, NW)

DEPTH	TILT	N	NE	E	SE	S	SW	W	NW
3168.0	0	63.64	65.20	64.08	128.92	166.02	122.20	69.60	62.45
3178.0	0	60.57	63.30	62.82	135.14	163.51	114.03	66.09	61.95
3187.9	0	60.48	57.28	61.39	138.63	162.25	111.55	63.66	58.81
3198.0	0	57.30	53.69	67.30	141.36	167.42	111.51	62.75	55.86
3203.0	0	54.48	53.01	75.27	147.02	171.72	113.14	64.21	56.61
3208.0	0	54.03	48.23	76.16	148.86	271.28	114.25	64.21	57.27
3213.0	0	57.57	48.54	88.44	153.06	269.06	142.83	66.42	57.49
3218.0	0	53.59	50.57	88.54	155.12	377.46	145.02	242.59	58.47
3223.0	0	52.26	46.12	91.20	156.78	380.56	321.50	248.27	70.93
3228.0	0	51.38	48.23	89.43	158.72	381.89	322.18	250.49	81.81
3233.0	0	52.26	47.55	90.31	156.31	380.56	319.15	246.06	184.46
3238.0	0	55.34	46.53	89.92	156.78	380.12	319.40	244.29	185.40
3243.0	0	55.36	45.48	90.76	155.86	382.91	320.02	242.07	184.07
3248.0	0	60.43	47.53	86.81	152.00	197.76	319.24	243.14	186.05
3253.0	3	63.77	45.50	87.22	154.61	379.23	318.56	243.84	185.40
3253.0	6	58.90	47.36	82.79	156.07	380.12	322.31	246.06	185.40
3253.0	9	54.92	45.96	91.20	158.40	277.91	319.59	238.98	186.51
3253.0	12	51.82	46.79	88.93	160.27	267.29	167.62	241.60	183.76
3253.0	15	52.26	45.86	88.99	159.37	210.22	154.63	166.86	107.10
3253.0	18	52.26	48.08	95.62	154.84	180.13	139.59	139.33	90.86
3253.0	21	56.42	51.12	99.61	152.71	174.59	124.70	137.21	77.02
3253.0	24	55.06	51.63	102.15	155.81	177.93	120.80	113.84	71.64
3253.0	27	56.75	53.38	95.12	154.95	186.28	123.08	99.48	69.69
3253.0	30	62.84	58.53	94.81	156.28	193.62	128.95	89.74	69.18
3253.0	33	63.43	56.05	89.13	159.95	194.97	132.89	78.38	68.44
3253.0	36	66.77	57.03	87.80	184.64	246.99	140.73	77.45	70.53
3253.0	39	70.95	58.03	86.08	253.51	267.92	147.11	81.74	73.96
3253.0	42	71.83	64.58	87.66	257.37	252.94	219.97	84.50	74.77
3253.0	45	85.49	64.62	87.27	247.91	241.04	244.35	90.78	81.68
3253.0	-63	12.82	26.04	31.51	28.09	24.99	19.58	17.22	13.53
3253.0	-60	12.56	27.74	34.08	28.55	25.41	21.22	18.65	14.52
3253.0	-57	12.62	27.78	39.06	28.71	25.83	22.56	19.63	14.58
3253.0	-54	22.42	28.46	41.19	36.35	26.37	23.97	20.45	14.85
3253.0	-51	23.02	28.71	45.87	38.23	27.26	24.89	20.81	15.08
3253.0	-48	23.68	29.41	47.95	48.22	28.20	25.92	24.00	15.55
3253.0	-45	24.21	34.99	54.46	57.97	30.17	26.48	25.94	16.77
3253.0	-42	24.54	35.81	66.62	65.60	33.90	27.11	27.52	16.99
3253.0	-39	26.44	45.46	82.44	75.59	36.91	28.64	30.53	18.85

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

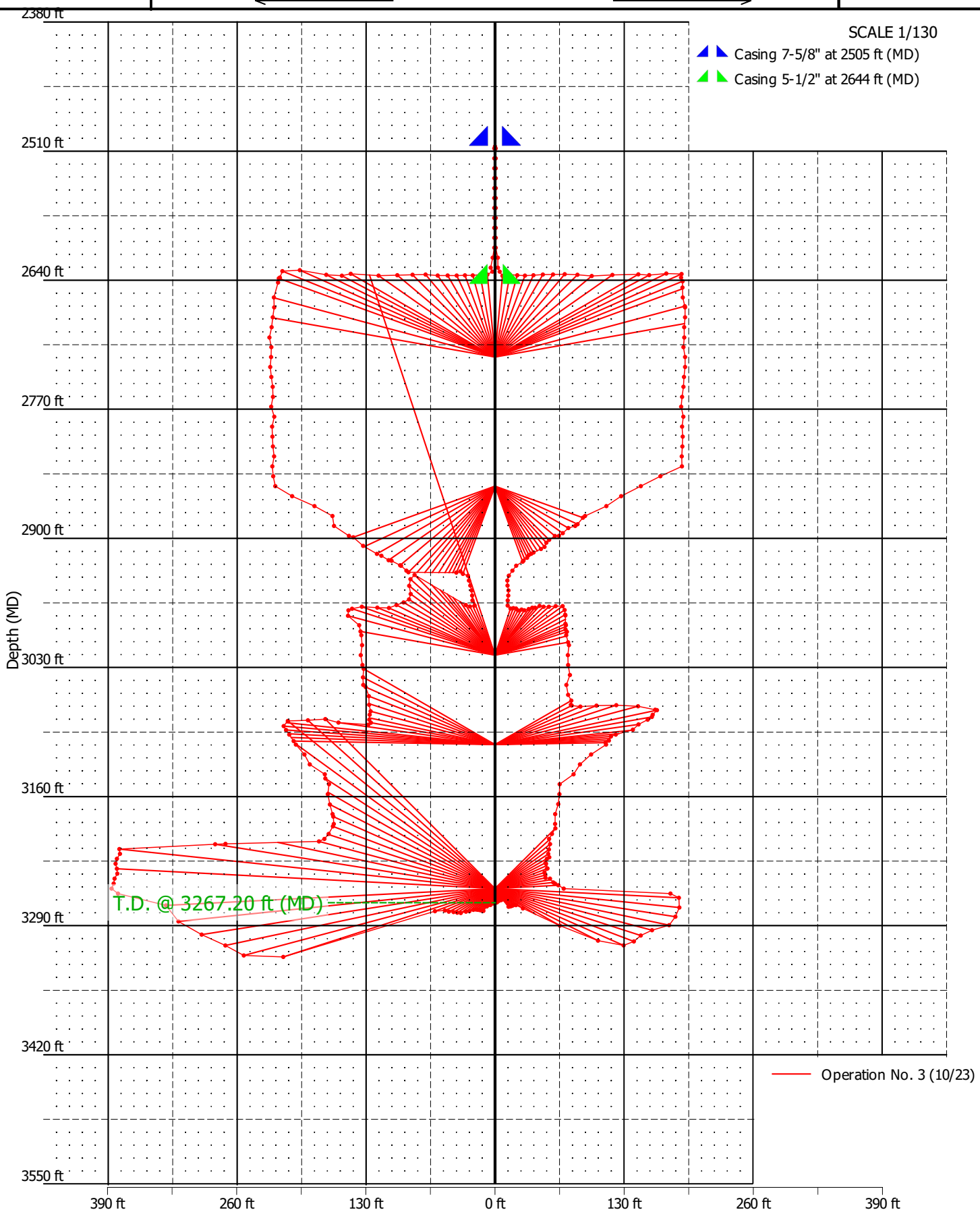
Wall Range versus Depth
(N, NE, E, SE, S, SW, W, NW)

DEPTH	TILT	N	NE	E	SE	S	SW	W	NW
3253.0	-36	34.01	59.13	81.79	88.24	41.86	28.91	31.53	23.13
3253.0	-33	34.20	59.47	102.72	94.06	44.60	30.88	32.98	25.61
3253.0	-30	34.73	87.21	107.34	100.00	54.28	37.73	37.91	25.95
3253.0	-27	115.67	137.25	119.33	128.31	51.43	33.63	46.55	27.77
3253.0	-24	140.97	145.63	122.58	155.59	54.48	37.28	45.63	29.63
3253.0	-21	149.01	165.57	127.26	159.59	64.02	61.84	50.21	31.39
3253.0	-18	153.56	172.37	198.80	197.37	223.33	137.12	48.07	34.78
3253.0	-15	162.91	182.87	213.32	262.11	226.90	136.98	54.71	45.49
3253.0	-12	178.52	189.69	227.84	275.67	276.73	138.84	77.84	191.63
3253.0	-9	183.10	46.08	241.01	297.74	298.23	144.91	79.39	193.04
3253.0	-6	185.86	46.06	256.90	310.24	319.64	259.92	218.13	189.93
3253.0	-3	184.64	44.87	79.32	333.18	330.94	278.55	237.16	188.55
3253.0	0	69.17	45.64	85.89	156.24	203.14	317.75	242.59	188.66
3253.0	-90	13.99	13.99	14.29	14.15	13.87	14.05	14.05	14.11
3253.0	-87	13.87	14.38	13.87	14.23	14.35	14.29	14.35	13.96
3253.0	-84	13.81	13.69	14.23	14.56	14.77	14.59	14.83	14.29
3253.0	-81	13.51	17.54	23.62	14.95	4.66	3.71	3.47	13.75
3253.0	-78	12.85	24.99	24.37	15.72	5.38	16.11	2.99	13.75
3253.0	-75	12.68	25.74	24.81	19.99	16.76	16.96	2.87	13.66
3253.0	-72	11.96	21.16	27.08	25.47	16.74	17.40	3.47	13.45
3253.0	-69	12.49	22.89	28.76	26.96	17.22	18.08	2.69	13.71
3253.0	-66	12.32	24.81	29.72	27.32	19.43	19.01	16.74	13.51
3258.0	0	176.59	45.04	69.66	145.46	379.45	31.30	240.75	194.49

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

TILTED SECTIONS POSITION

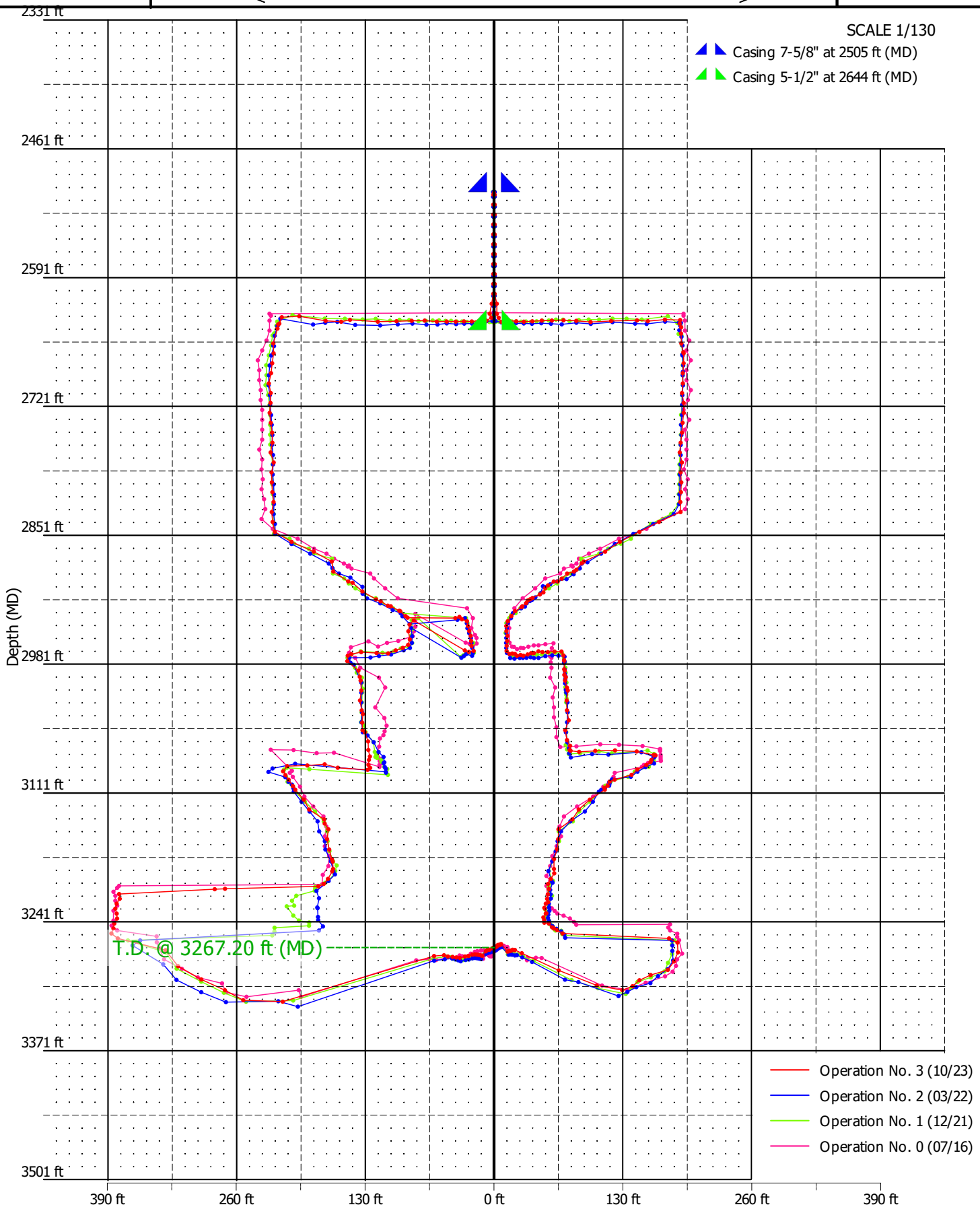
1



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

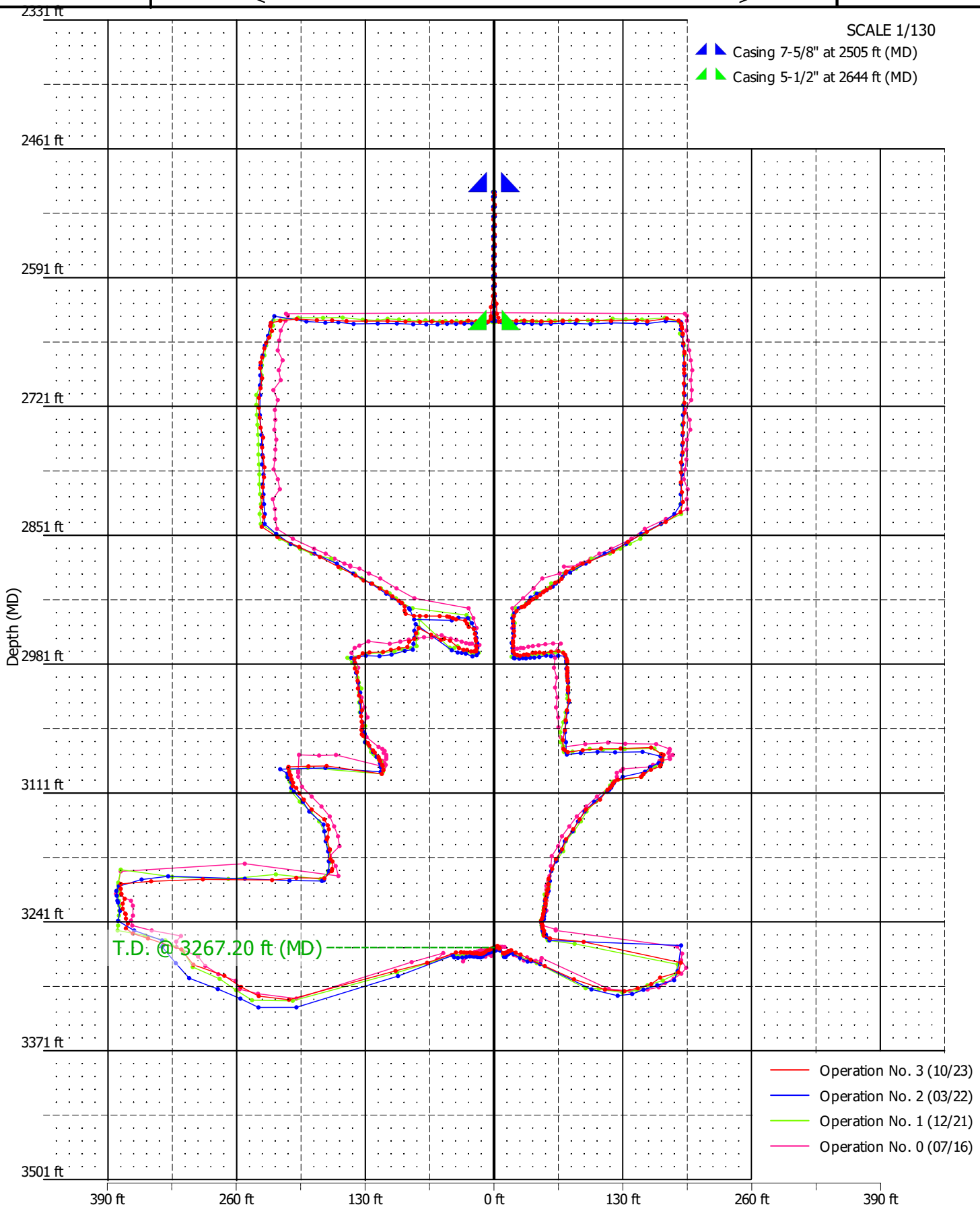
1



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

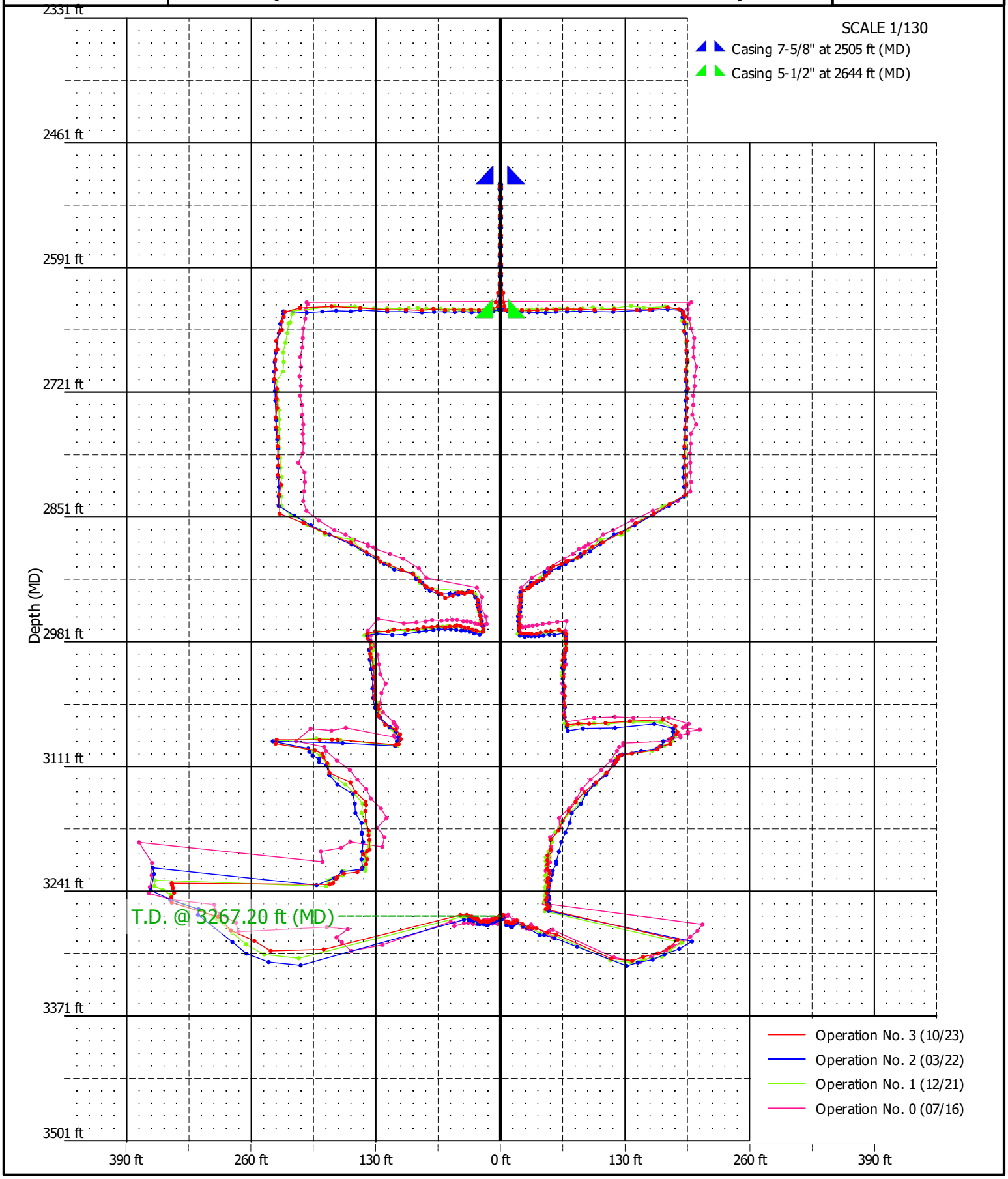
2



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

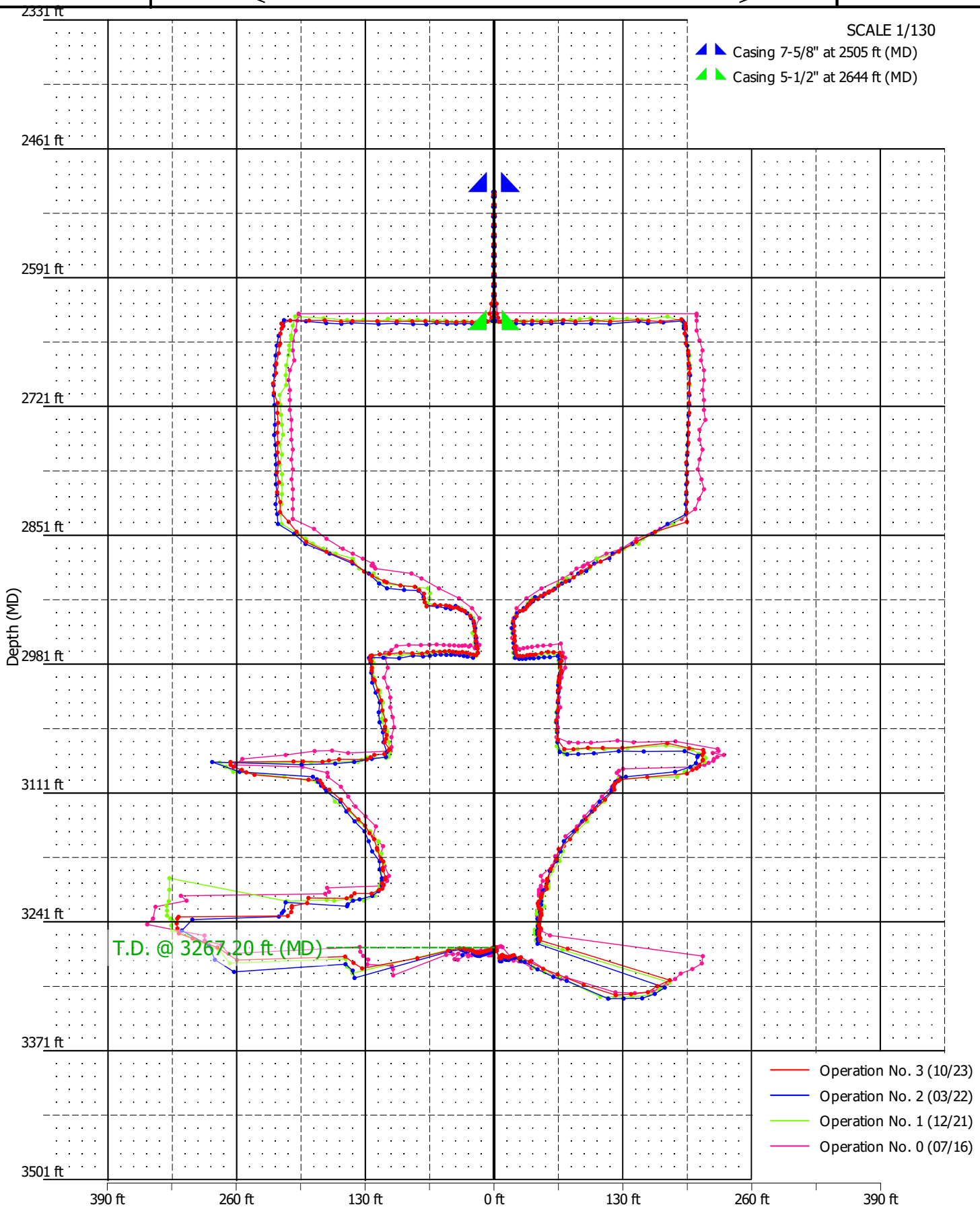
3



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

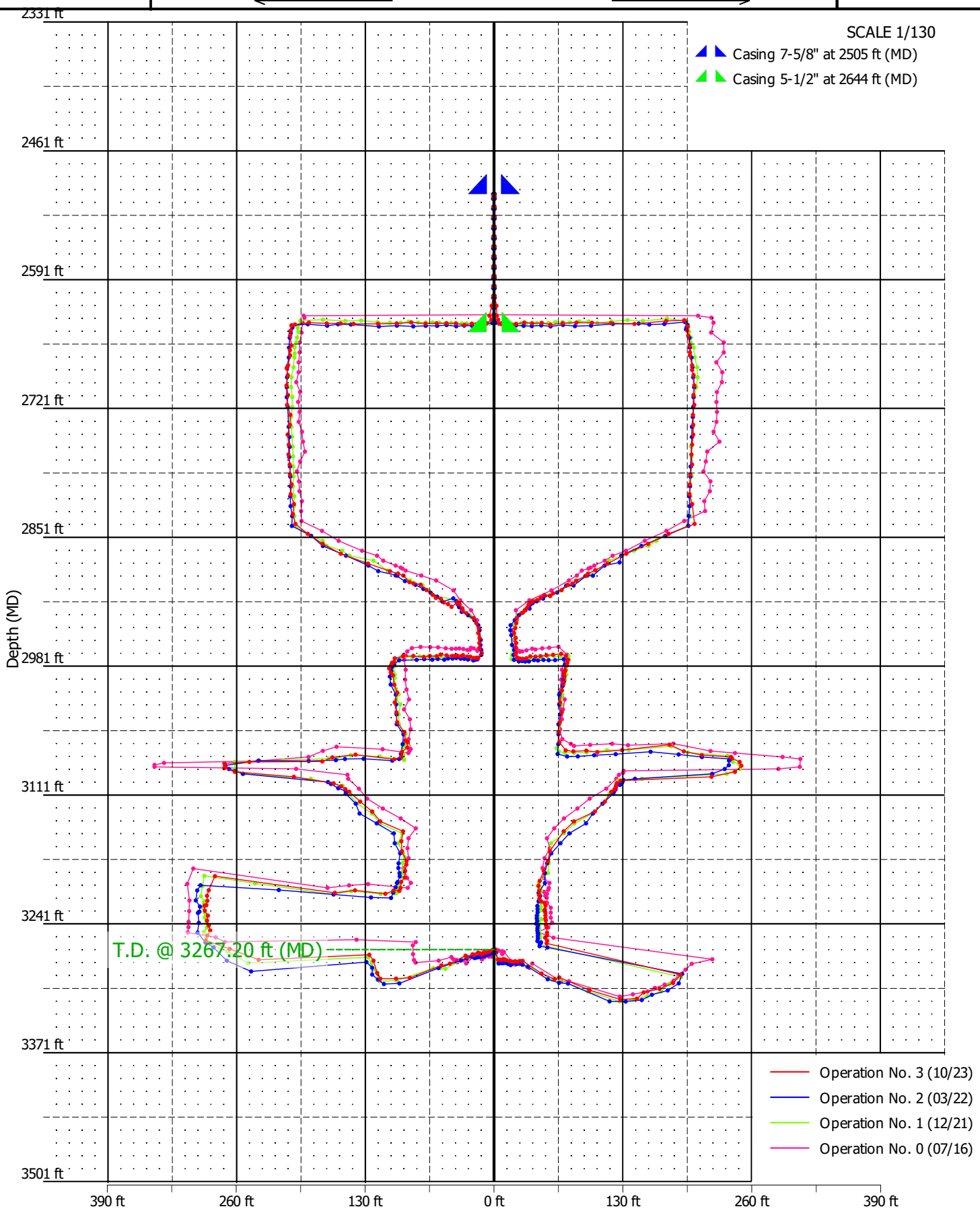
4



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

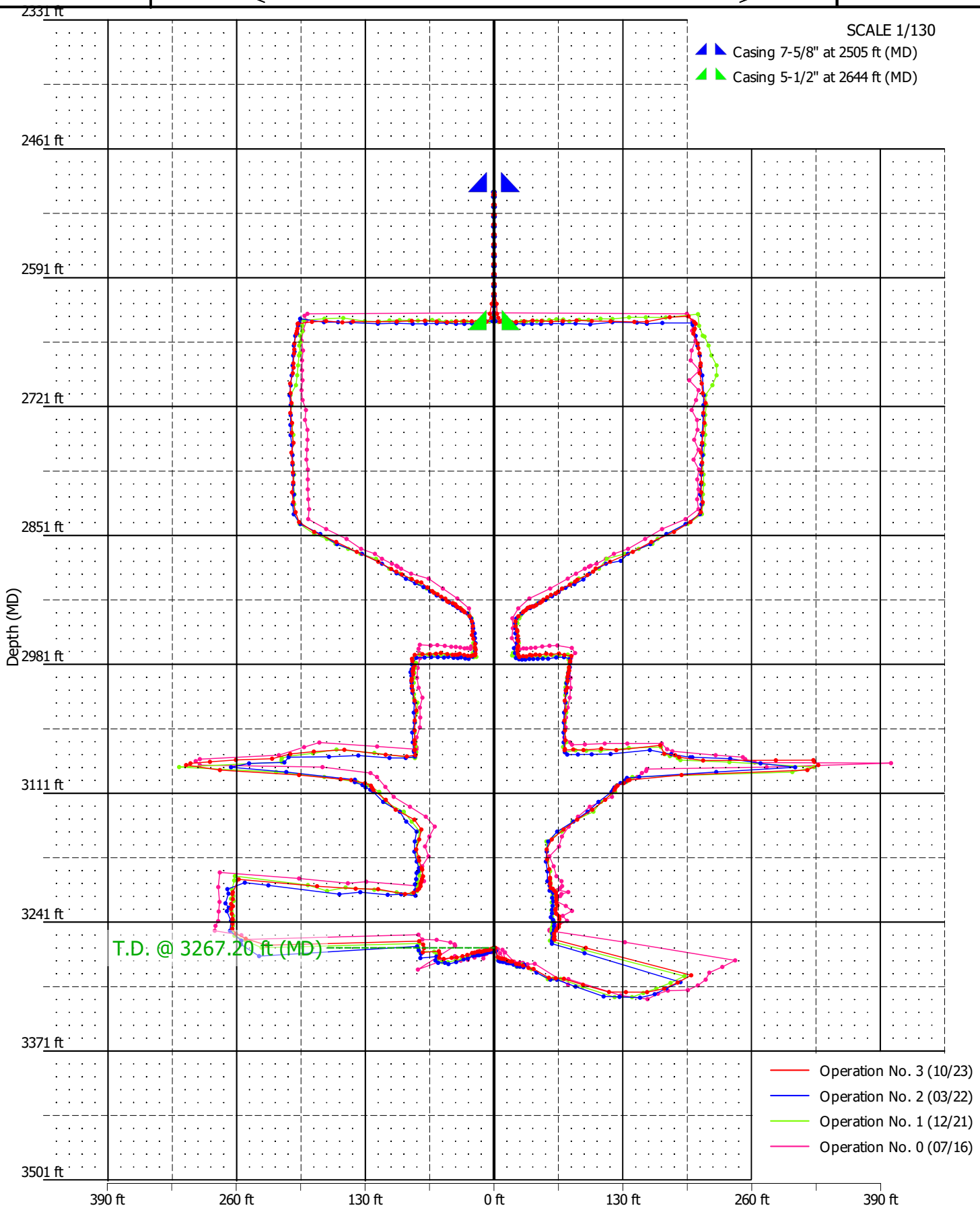
5



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

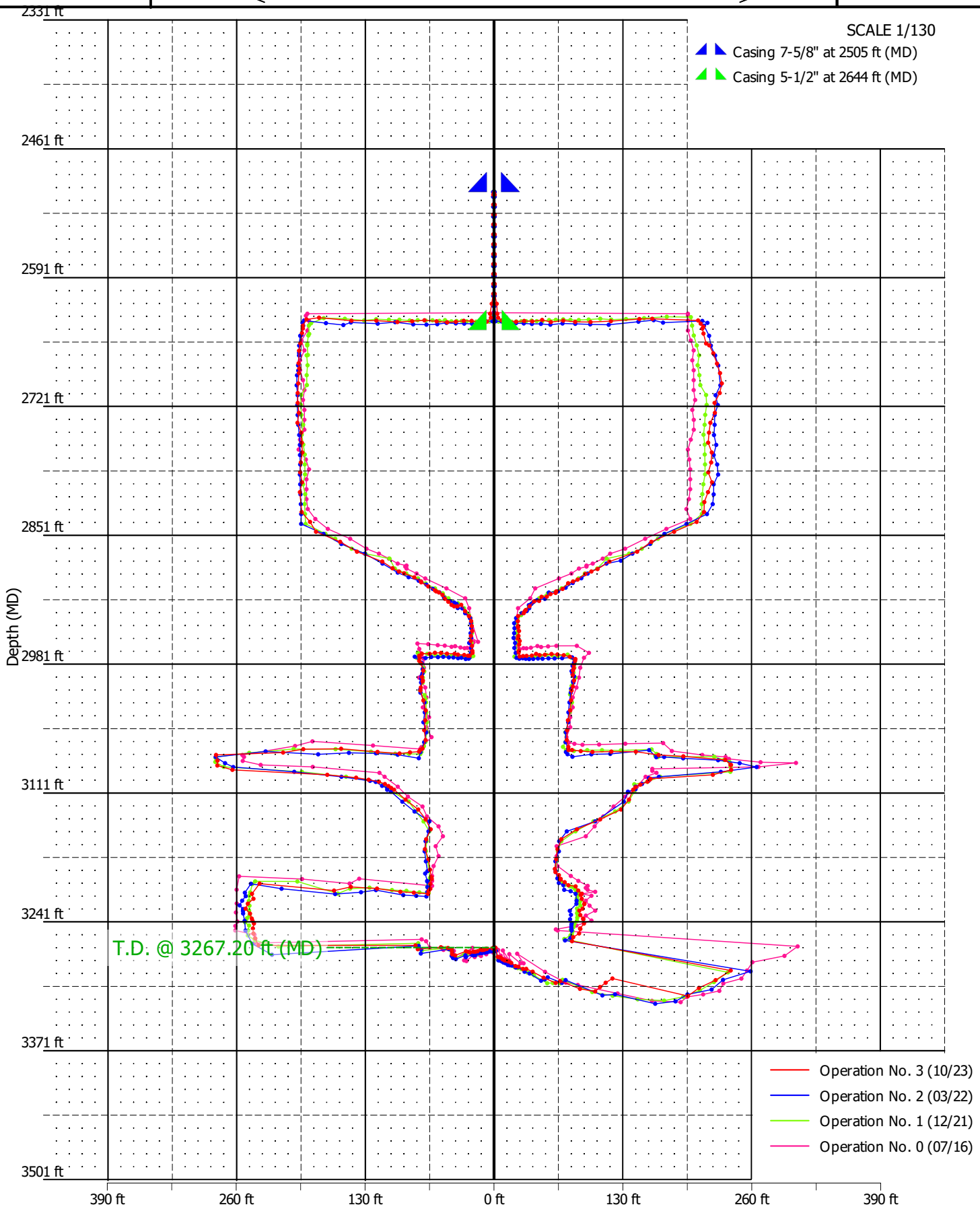
6



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

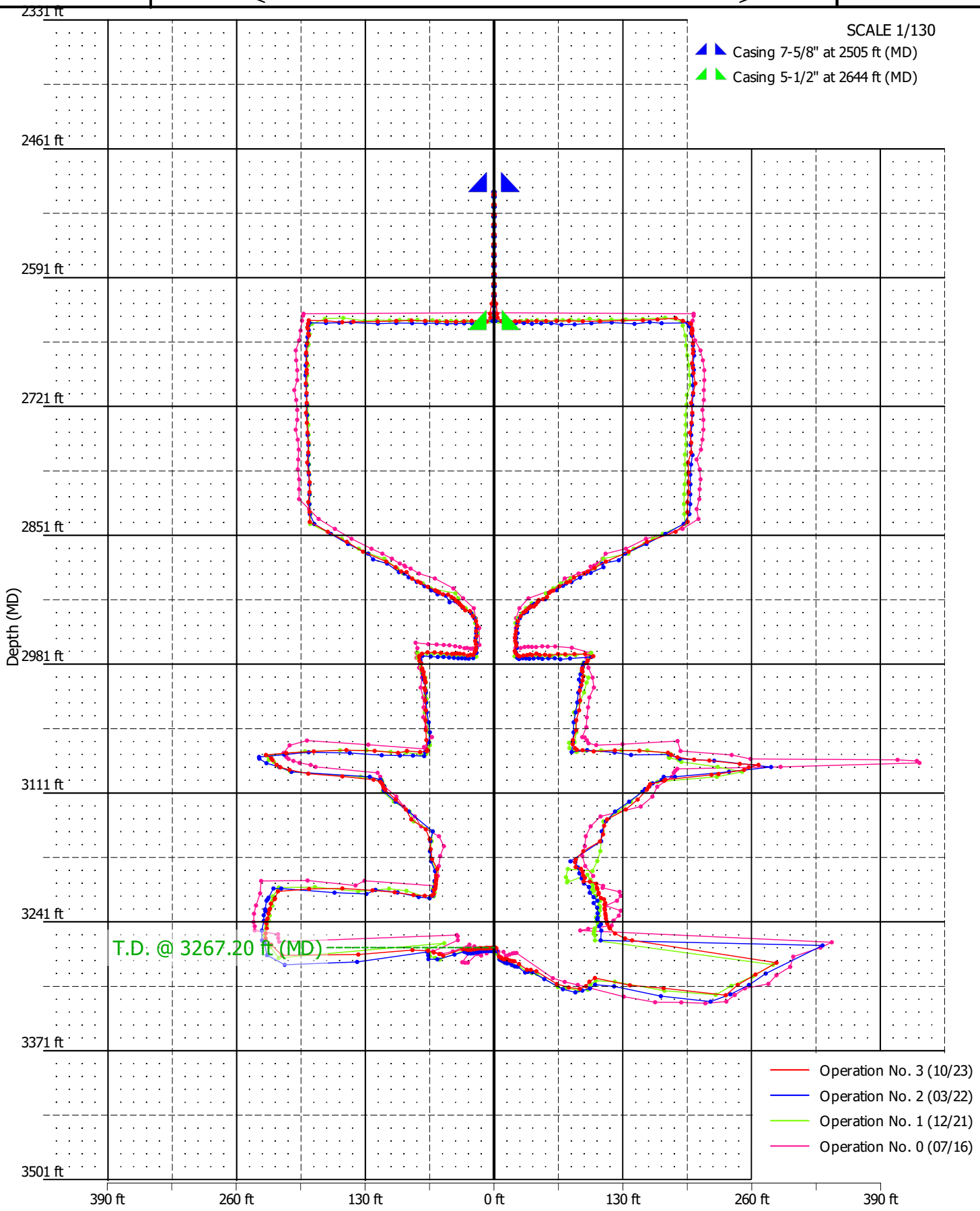
7



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

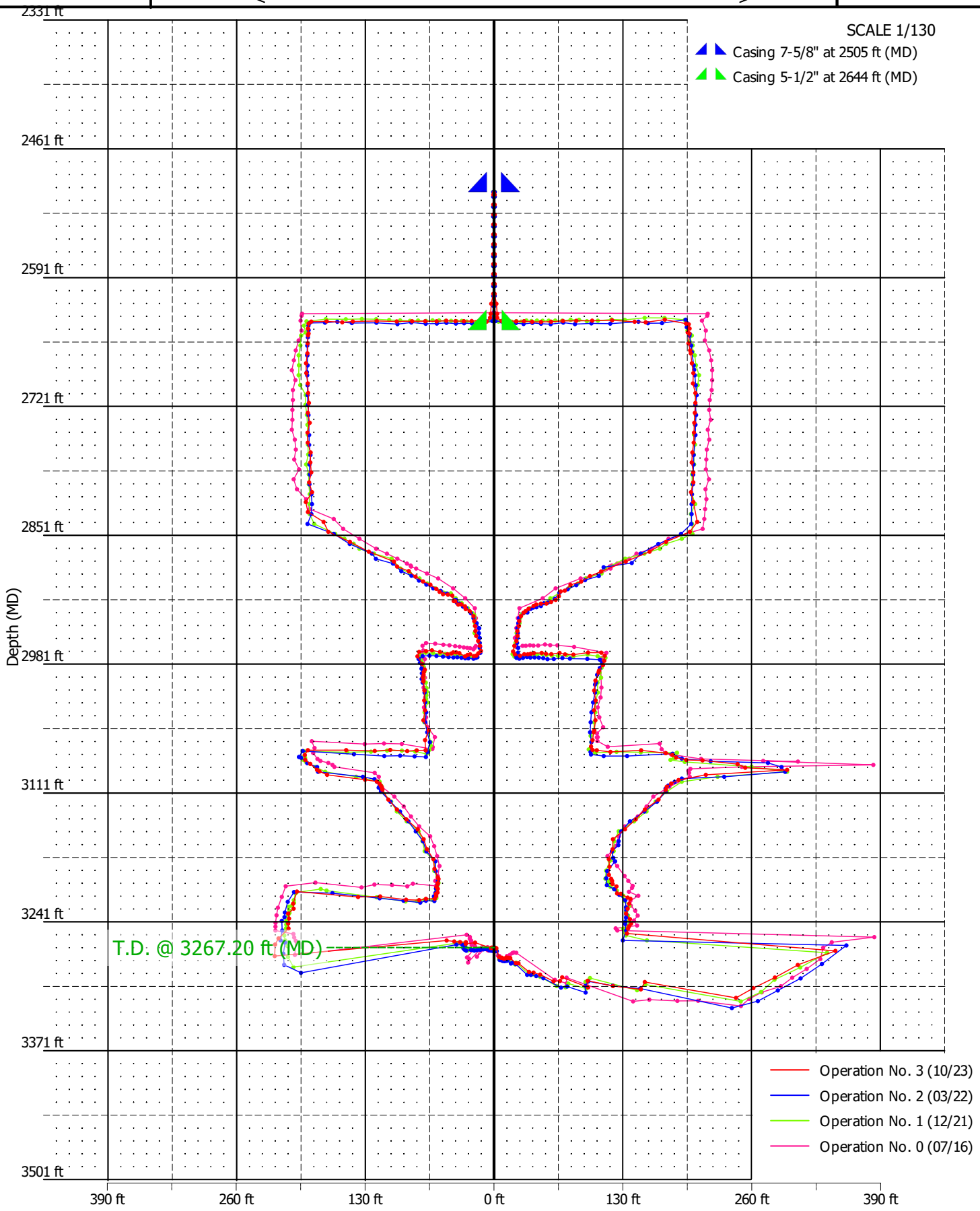
8



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

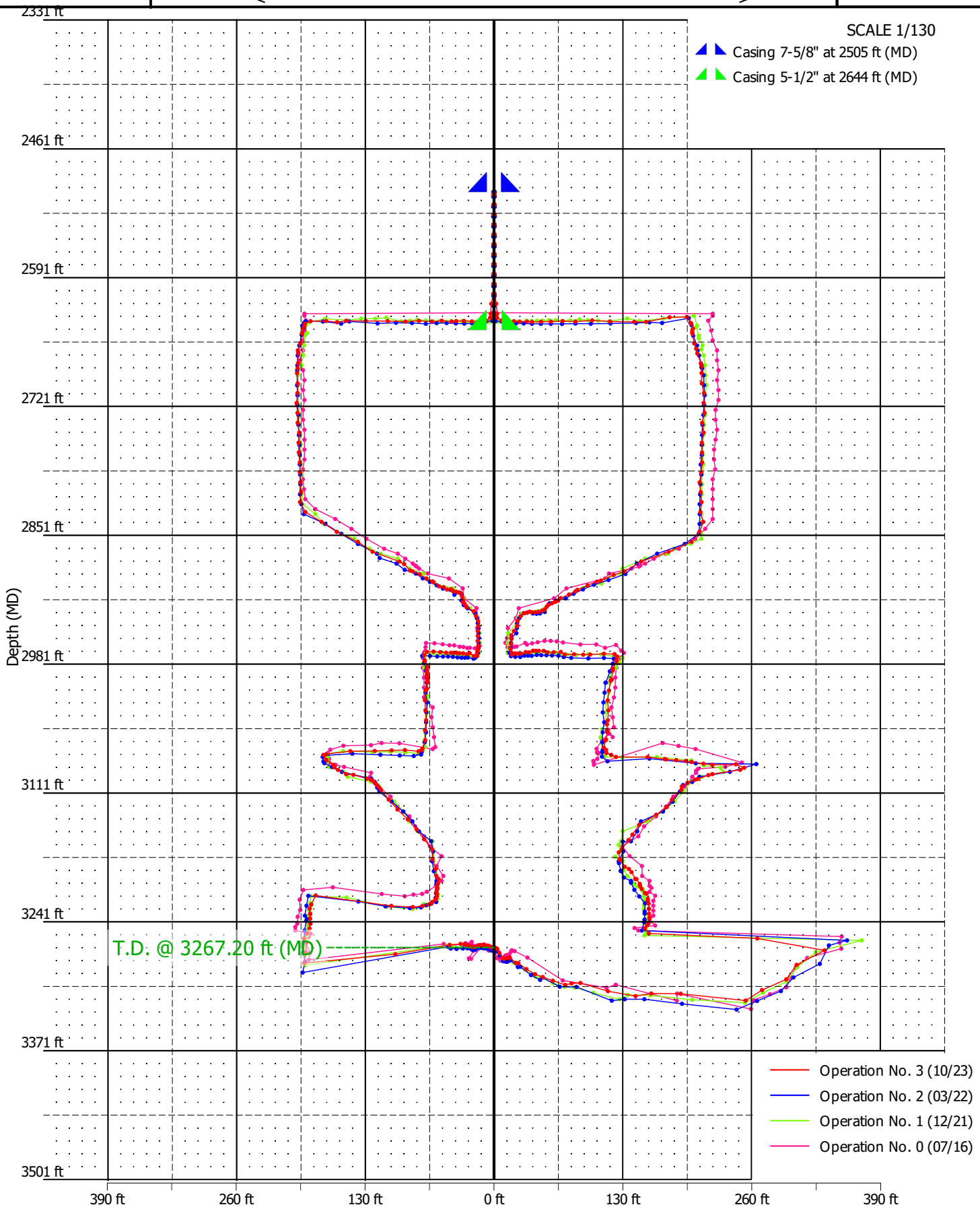
9



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

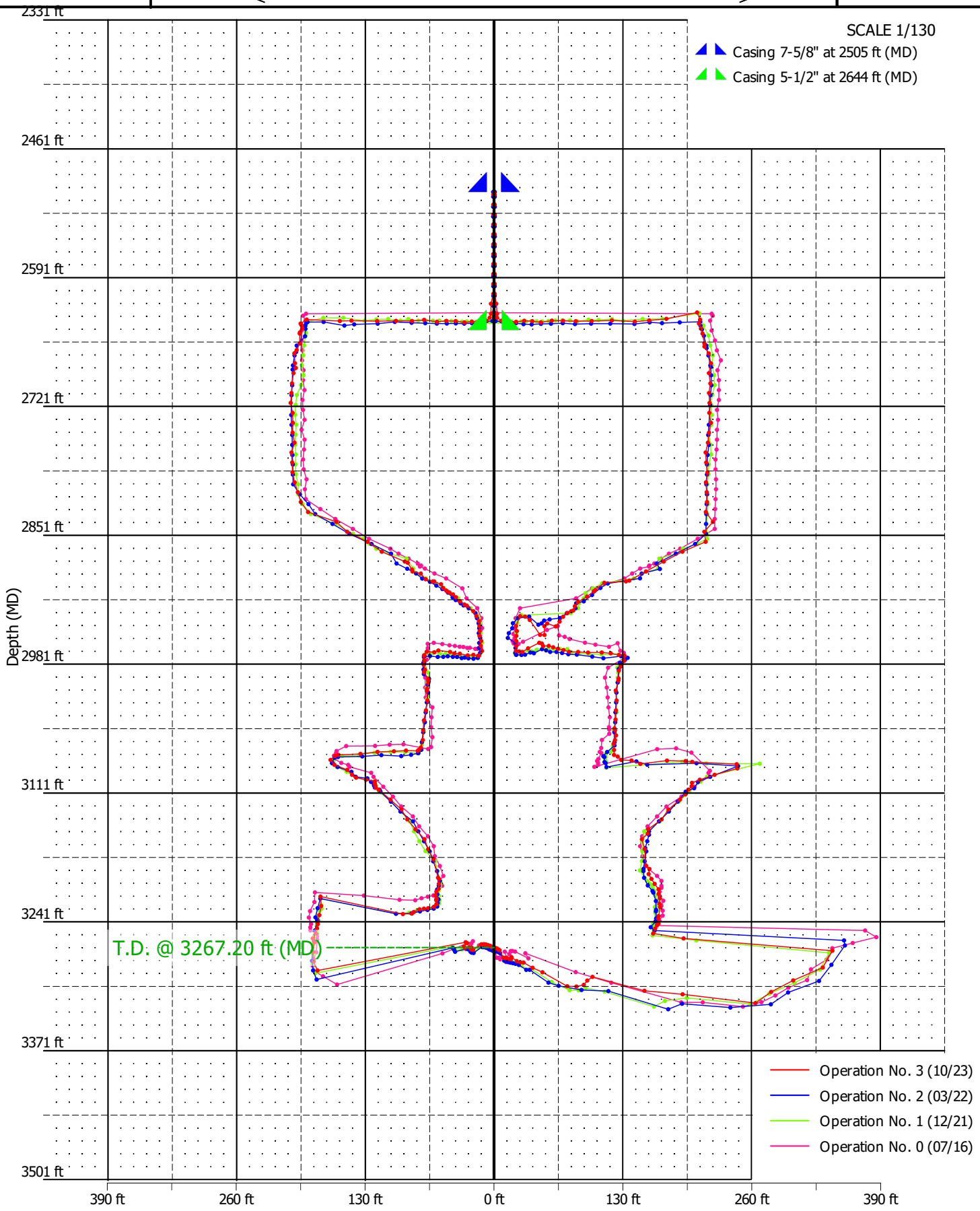
10



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

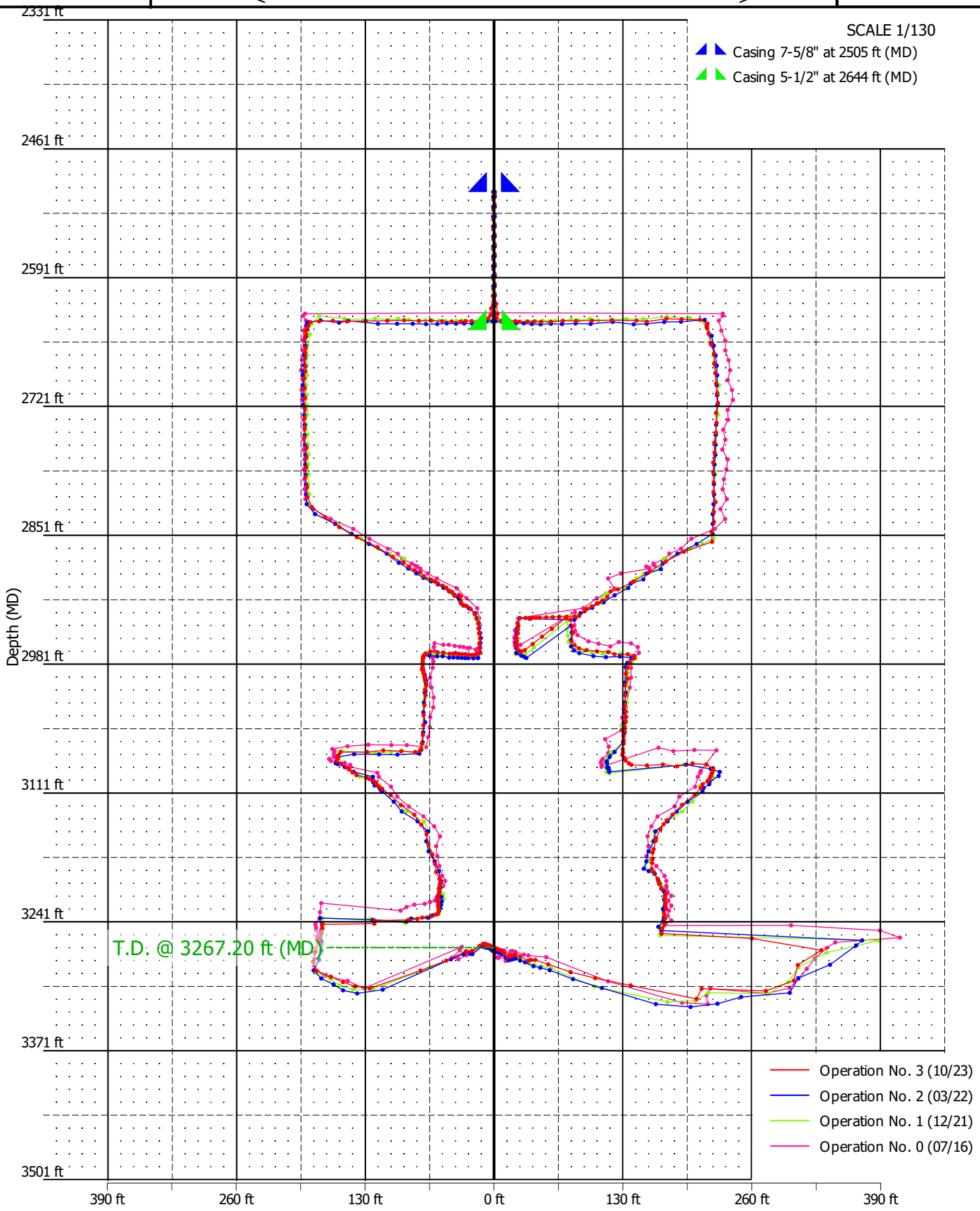
11



CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

12



CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 3

VERTICAL SECTION

N180 ← 1 → N0

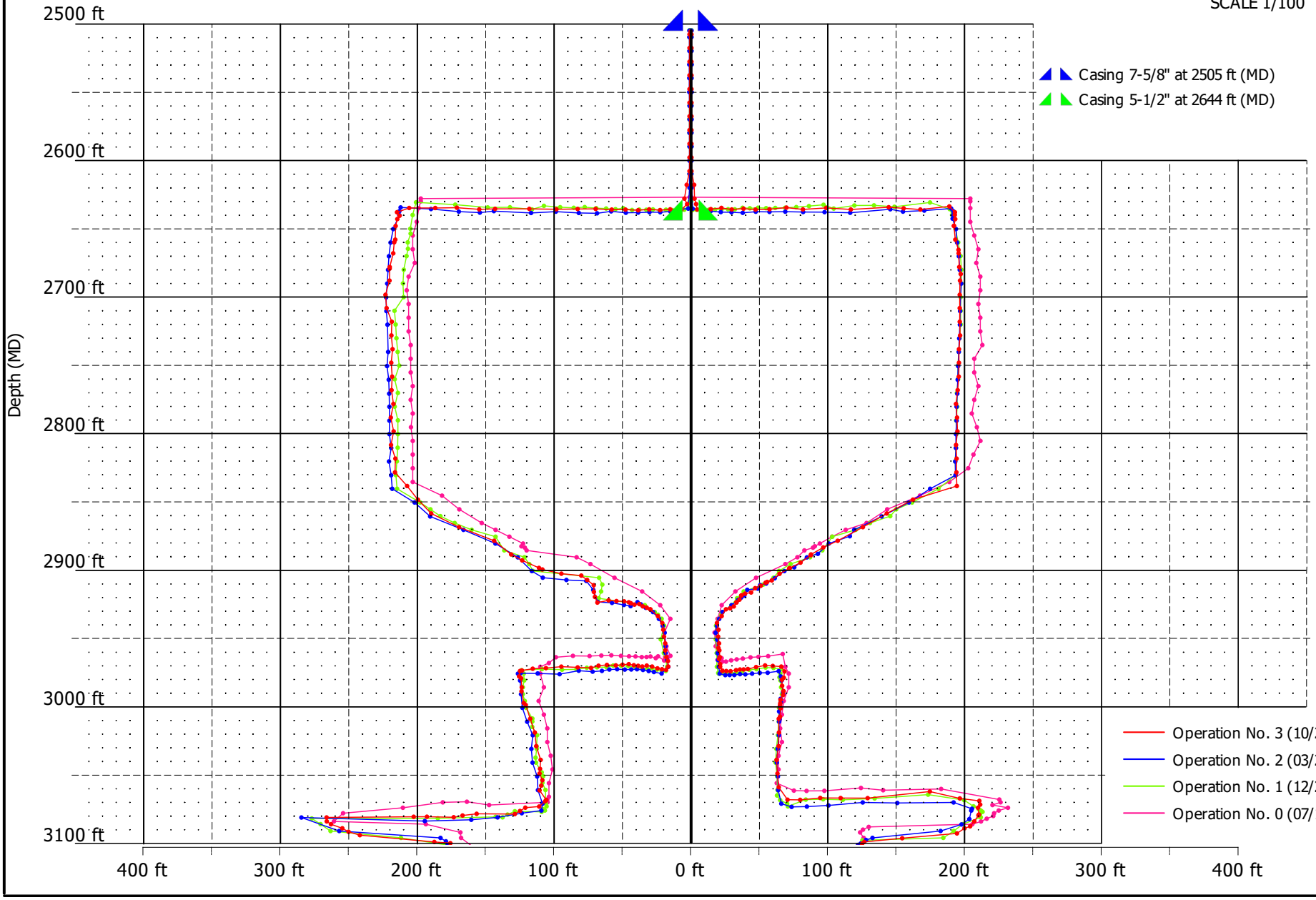
SCALE 1/100

CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 3	

VERTICAL SECTION

N225 ← **2** → N45

SCALE 1/100

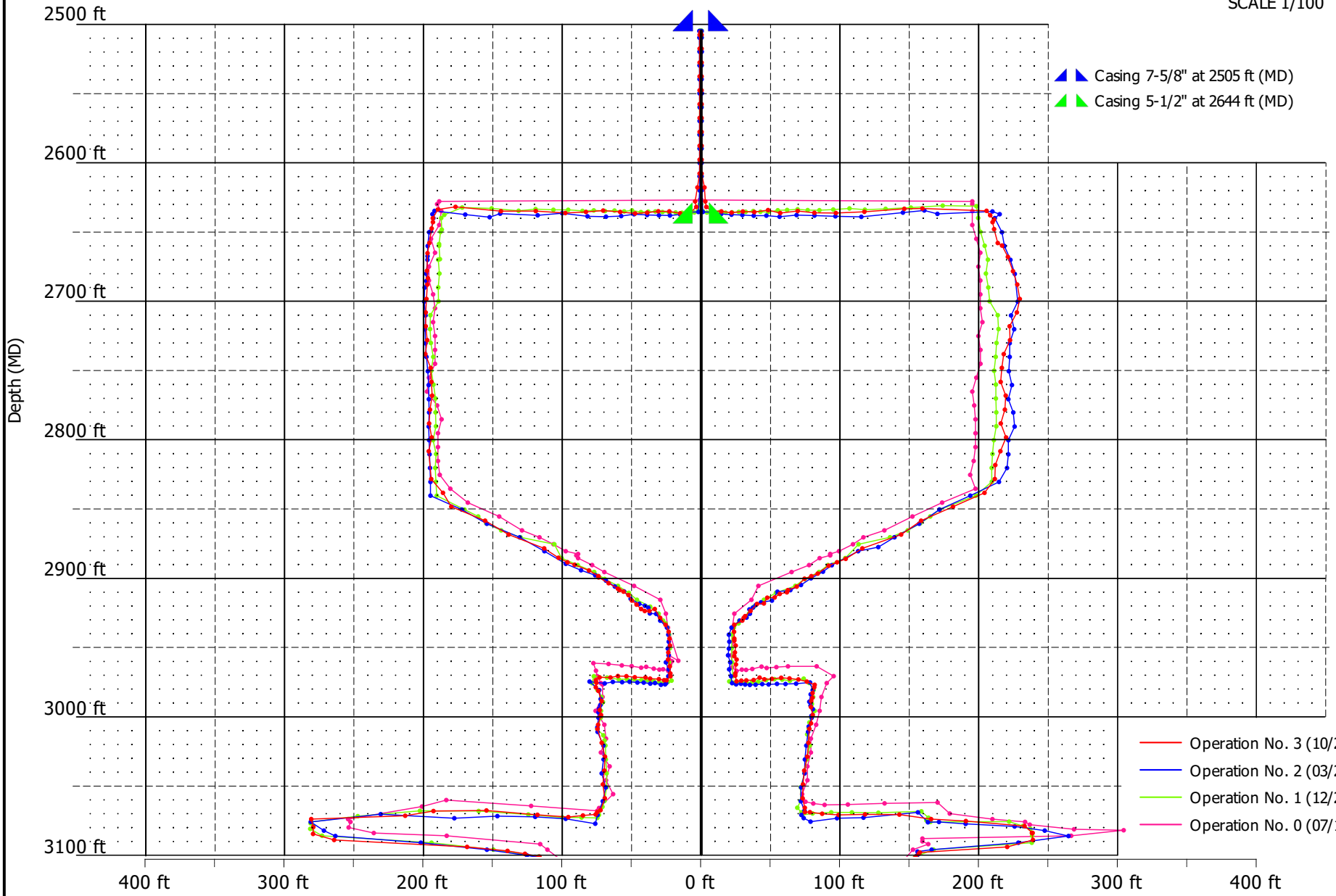


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 3

VERTICAL SECTION

N270 — 3 — N90

SCALE 1/100

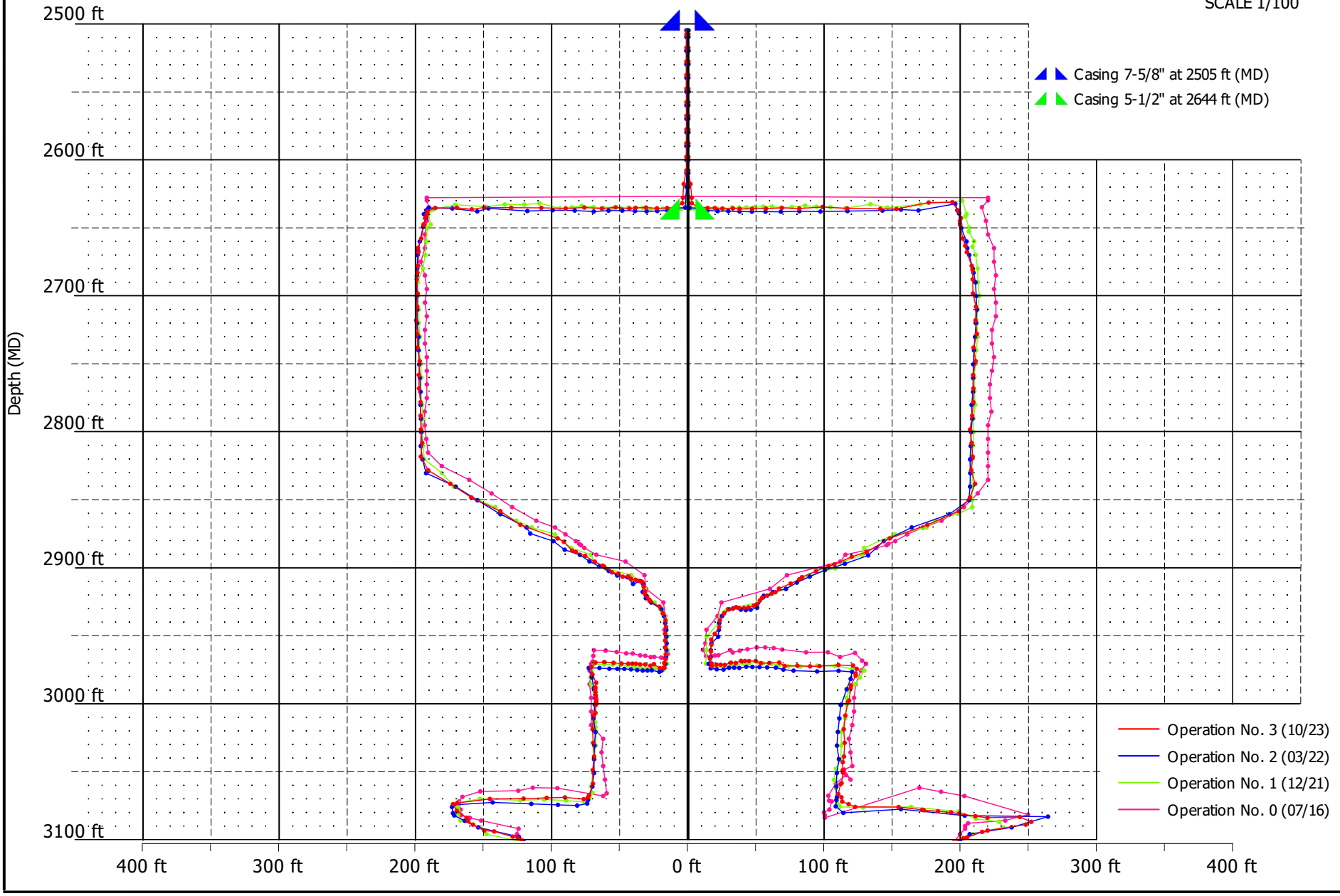


CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

N315 ← **4** → N135

SCALE 1/100

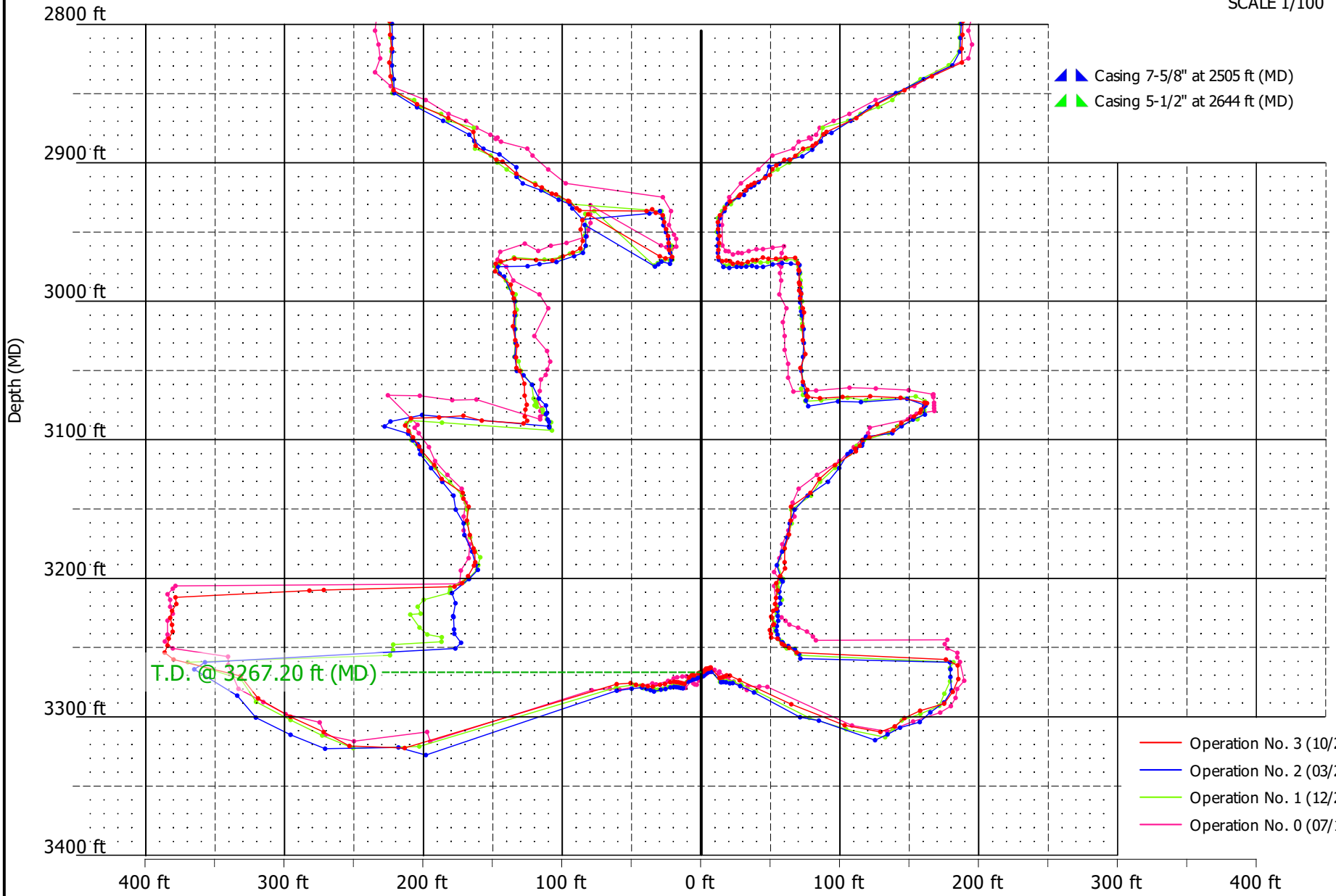


CUSTOMER : Westlake Chemicals DATE : October 28, 2023	CAVERN : PPG No. 006X OPERATION No. : 3	

VERTICAL SECTION

N180 ← 1 → N0

SCALE 1/100

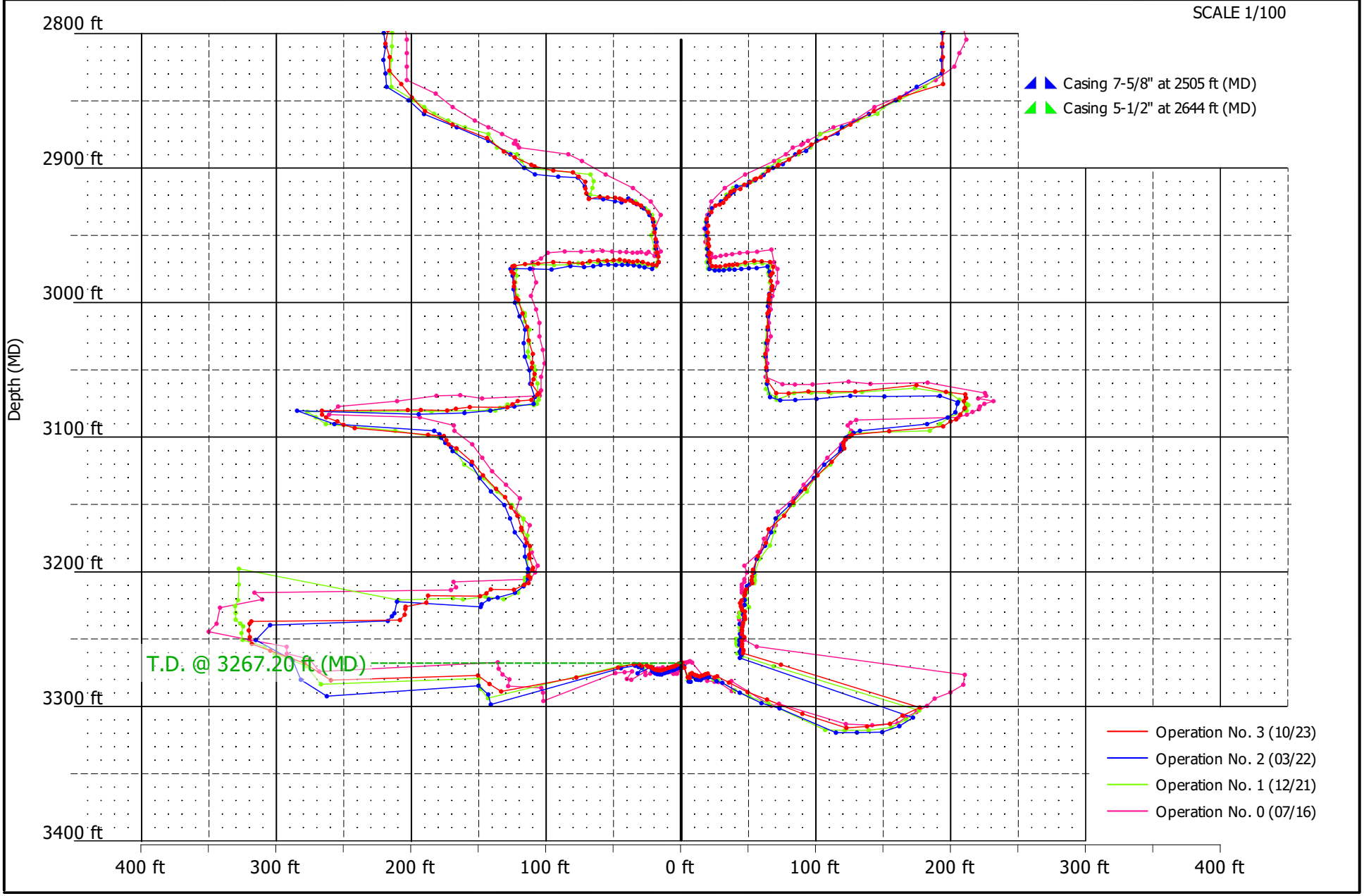


CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

N225 ← **2** → N45

SCALE 1/100

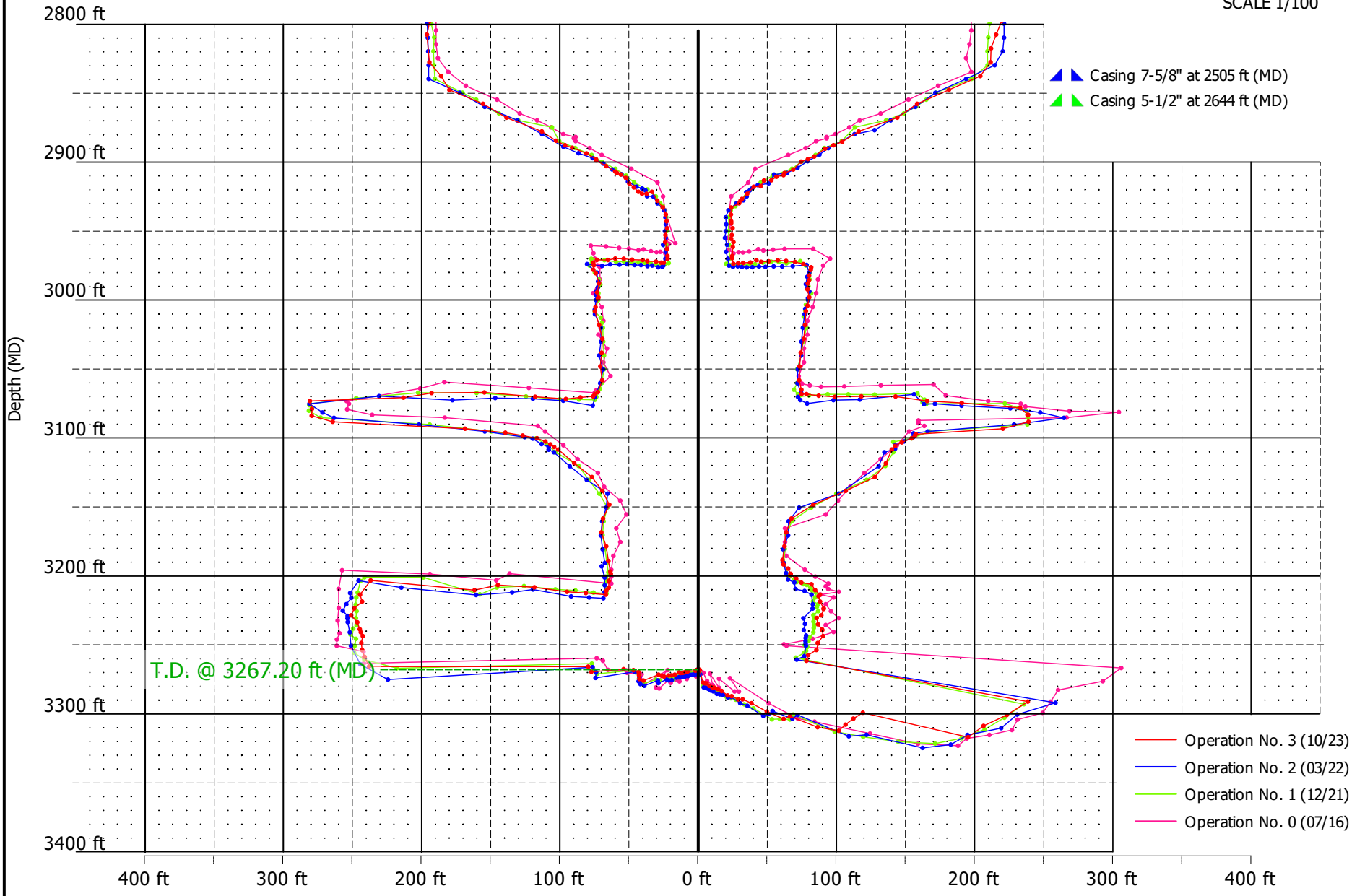


CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

N270 — **3** — N90

SCALE 1/100

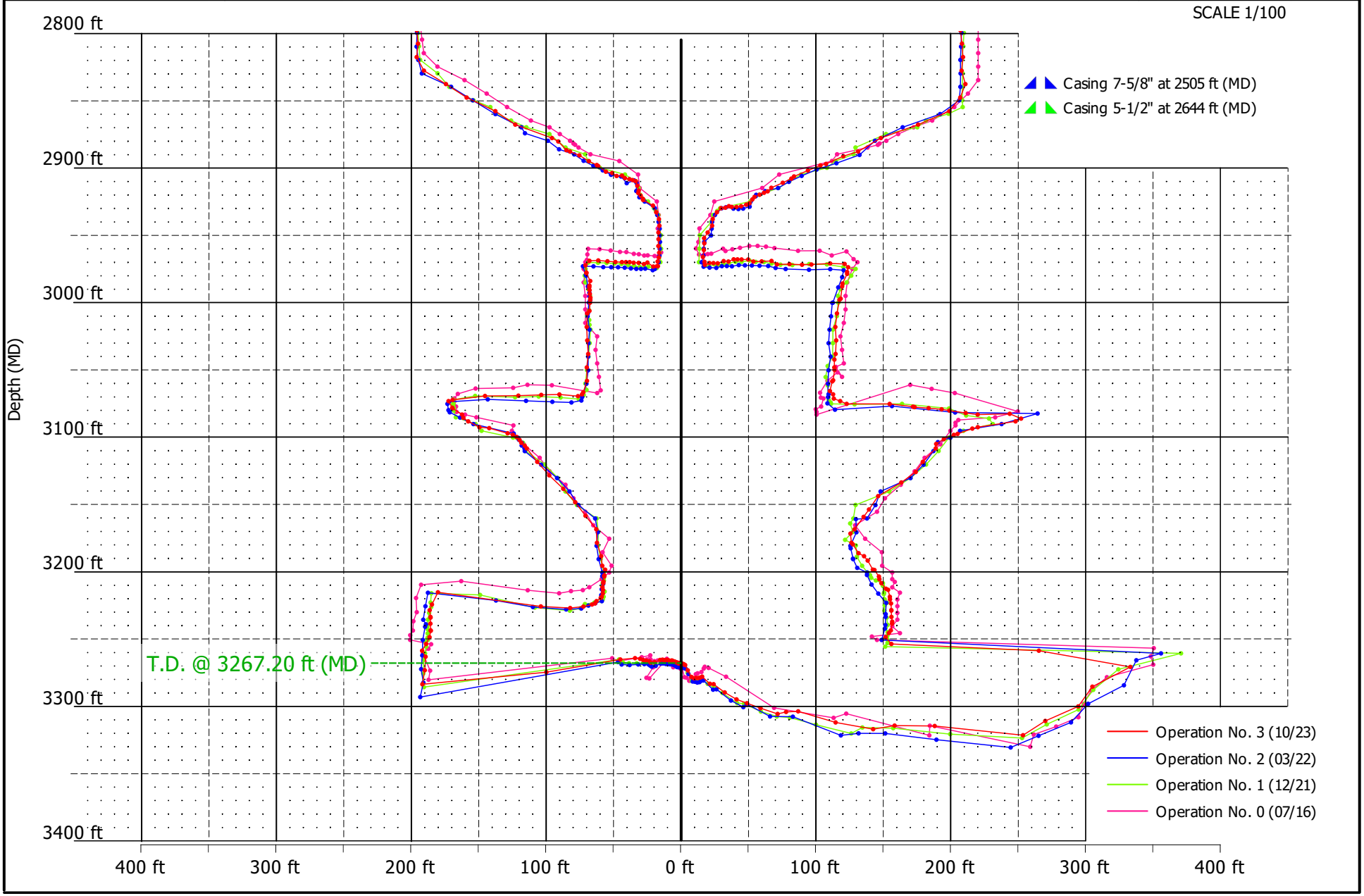


CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

VERTICAL SECTION

N315 ← **4** → N135

SCALE 1/100



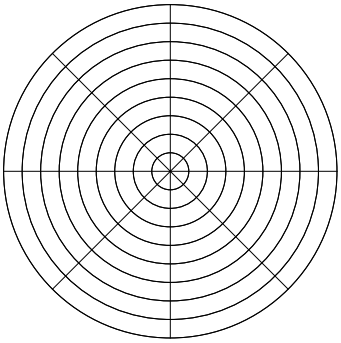
CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

HORIZONTAL SECTIONS

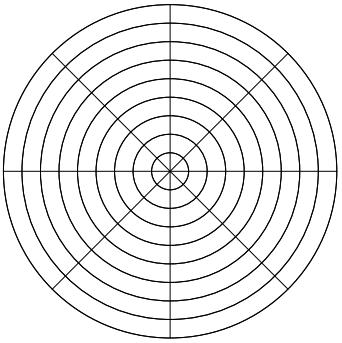
between 2510 ft and 2620 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

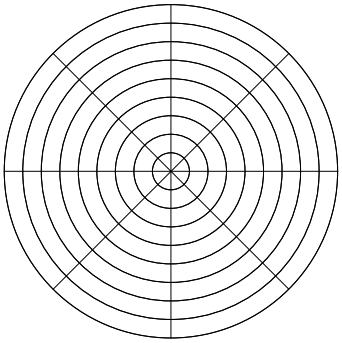
SCALE 75.0 ft per division



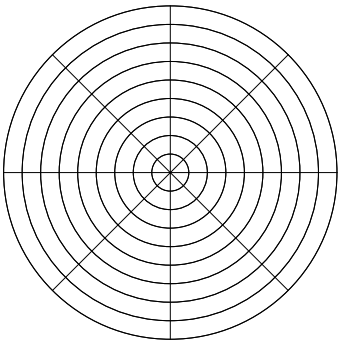
2510 ft / 1.54 ft²



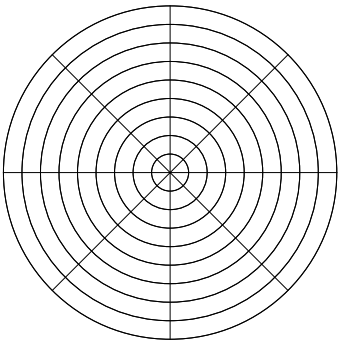
2520 ft / 1.54 ft²



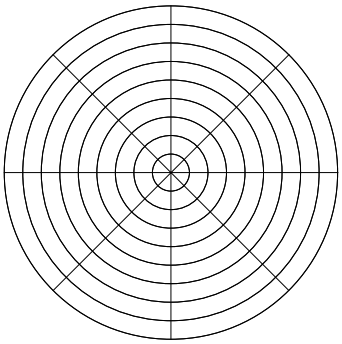
2530 ft / 1.54 ft²



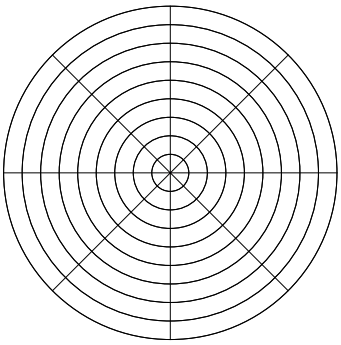
2540 ft / 1.54 ft²



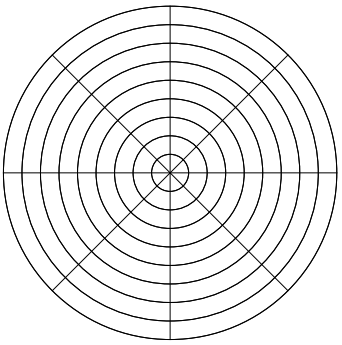
2550 ft / 1.54 ft²



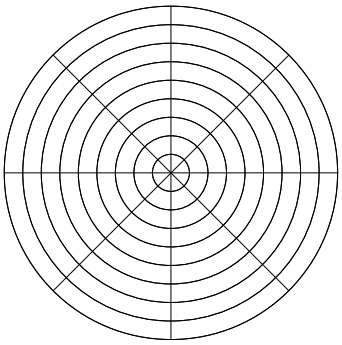
2560 ft / 1.54 ft²



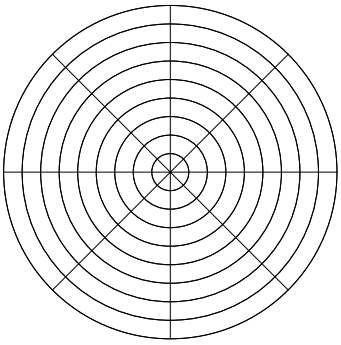
2570 ft / 1.54 ft²



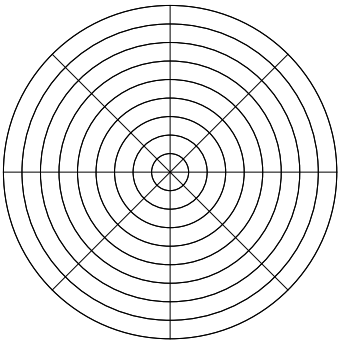
2580 ft / 1.54 ft²



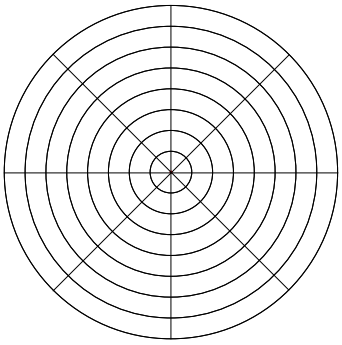
2590 ft / 1.54 ft²



2600 ft / 1.54 ft²



2610 ft / 3.60 ft²



2620 ft / 23.34 ft²

*All sections are oriented to Magnetic North.

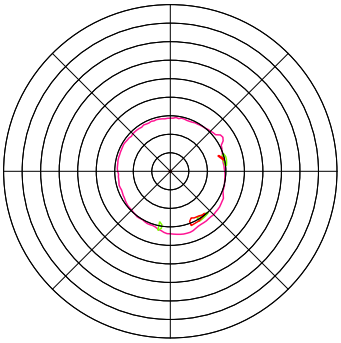
Magnetic Declination= 0.7°

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

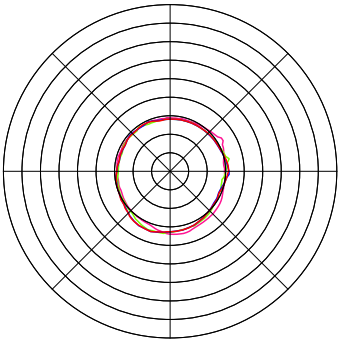
HORIZONTAL SECTIONS
between 2630 ft and 2740 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

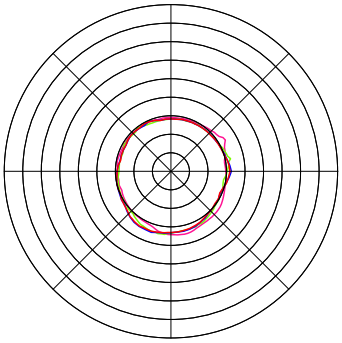
SCALE 75.0 ft per division



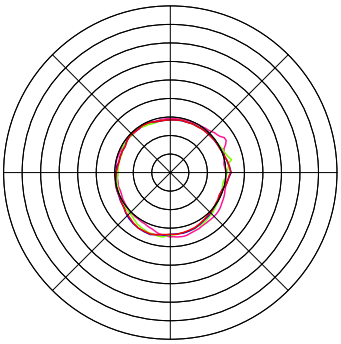
2630 ft / 1011.43 ft²



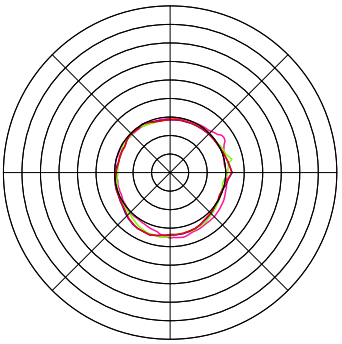
2640 ft / 126531.64 ft²



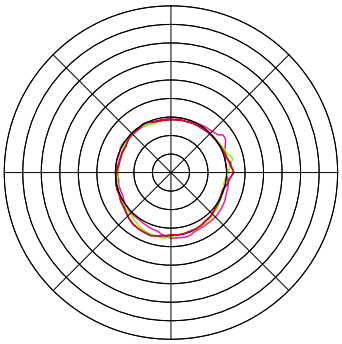
2650 ft / 127852.03 ft²



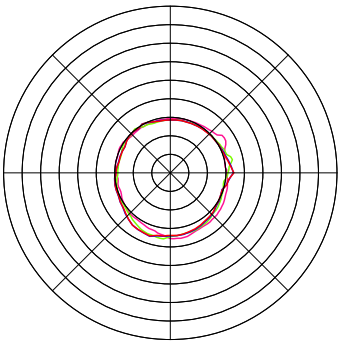
2660 ft / 130232.75 ft²



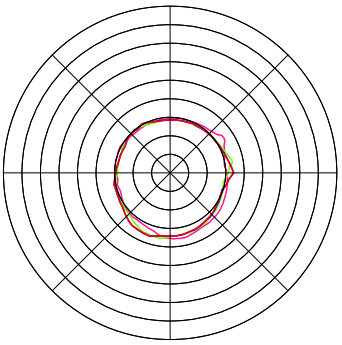
2670 ft / 132110.54 ft²



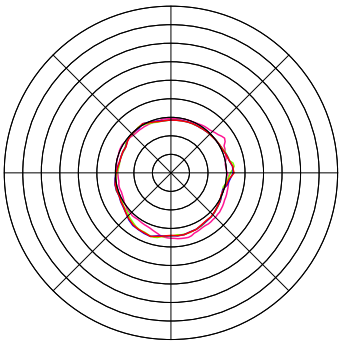
2680 ft / 133421.59 ft²



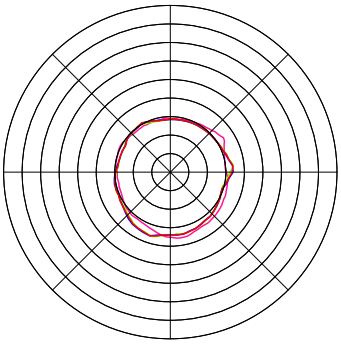
2690 ft / 134032.58 ft²



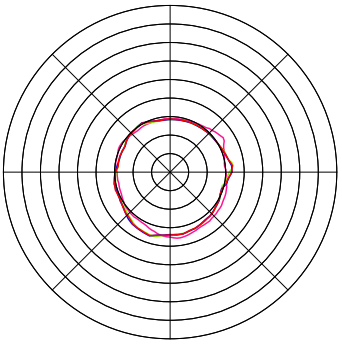
2700 ft / 134784.02 ft²



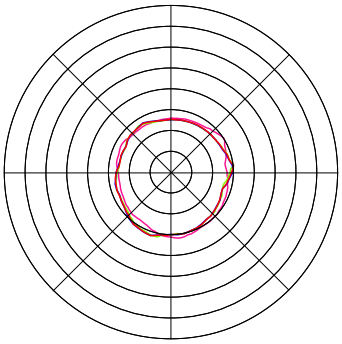
2710 ft / 134841.14 ft²



2720 ft / 134619.65 ft²



2730 ft / 134187.53 ft²



2740 ft / 133707.37 ft²

*All sections are oriented to Magnetic North.

Magnetic Declination= 0.7°

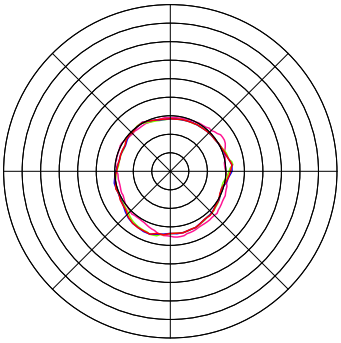
CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

HORIZONTAL SECTIONS

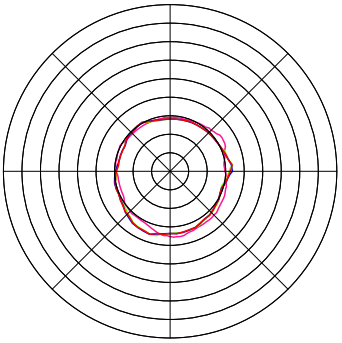
between 2750 ft and 2860 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

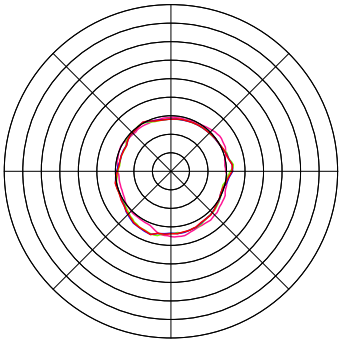
SCALE 75.0 ft per division



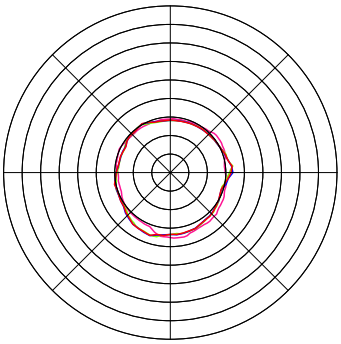
2750 ft / 133024.92 ft²



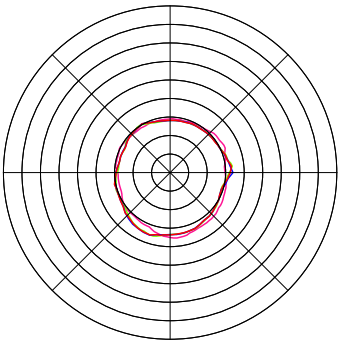
2760 ft / 132382.97 ft²



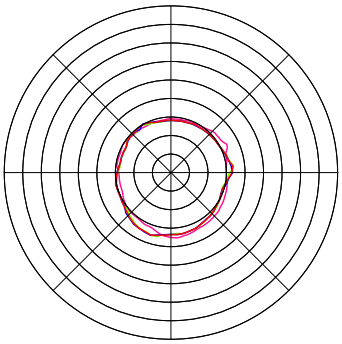
2770 ft / 132062.05 ft²



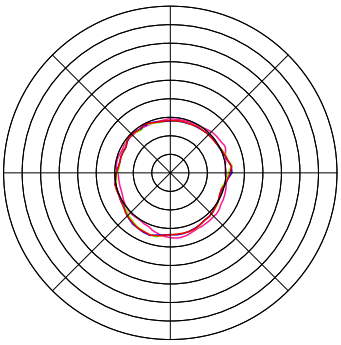
2780 ft / 131671.93 ft²



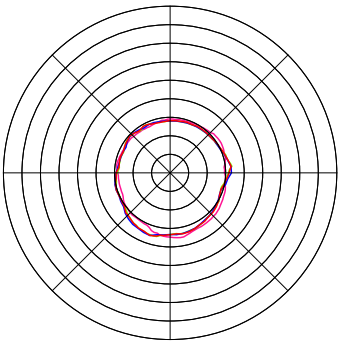
2790 ft / 131240.28 ft²



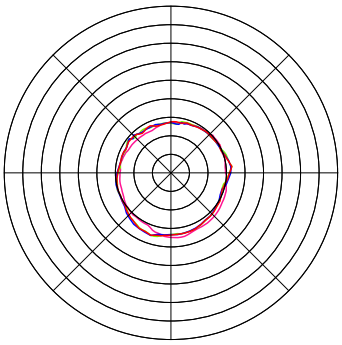
2800 ft / 131326.21 ft²



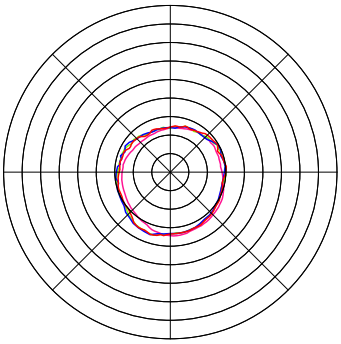
2810 ft / 130640.93 ft²



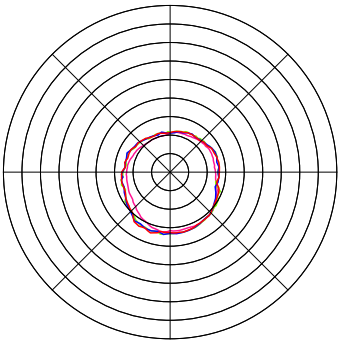
2820 ft / 130058.15 ft²



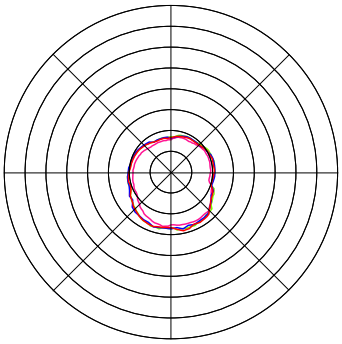
2830 ft / 127375.73 ft²



2840 ft / 118665.35 ft²



2850 ft / 103014.90 ft²



2860 ft / 83943.64 ft²

*All sections are oriented to Magnetic North.

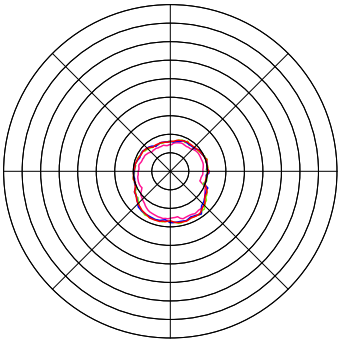
Magnetic Declination= 0.7°

CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

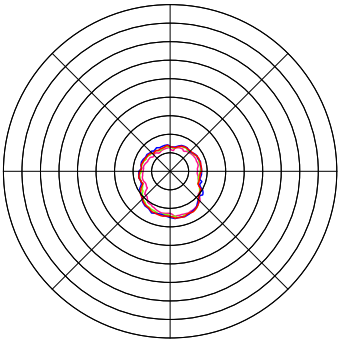
HORIZONTAL SECTIONS
between 2870 ft and 2980 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

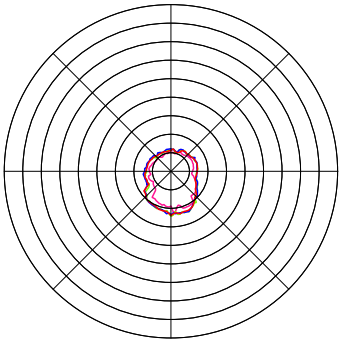
SCALE 75.0 ft per division



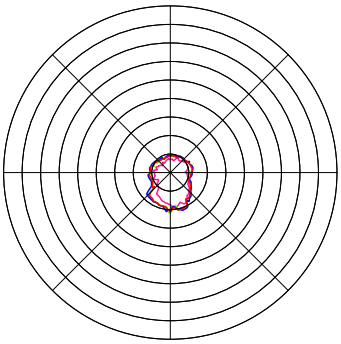
2870 ft / 64828.88 ft²



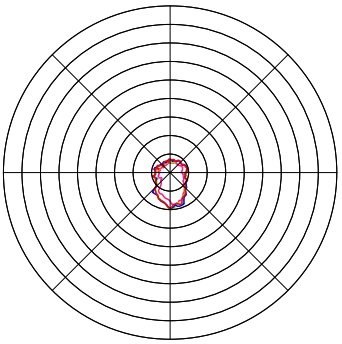
2880 ft / 47133.08 ft²



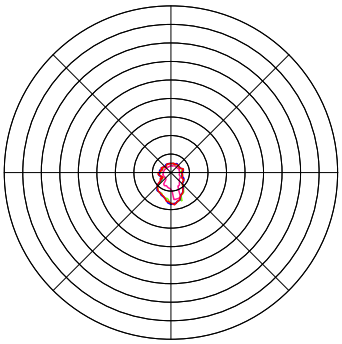
2890 ft / 35289.75 ft²



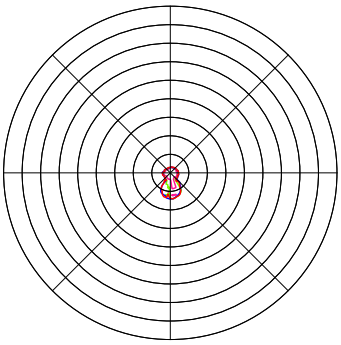
2900 ft / 23508.22 ft²



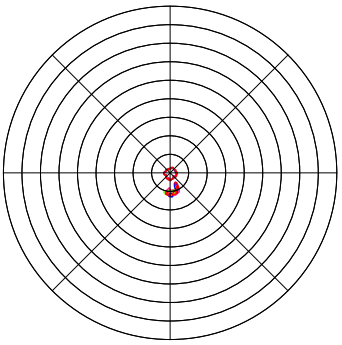
2910 ft / 15351.17 ft²



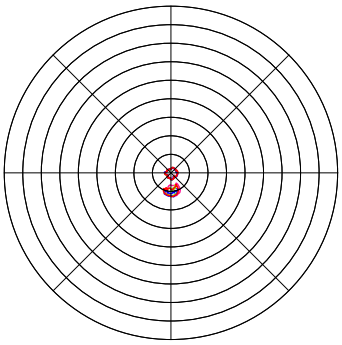
2920 ft / 10195.00 ft²



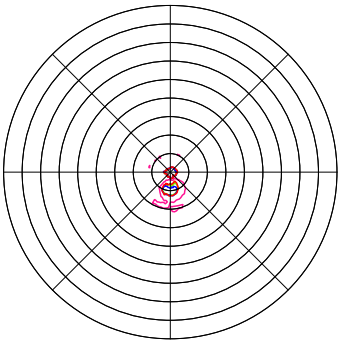
2930 ft / 5839.99 ft²



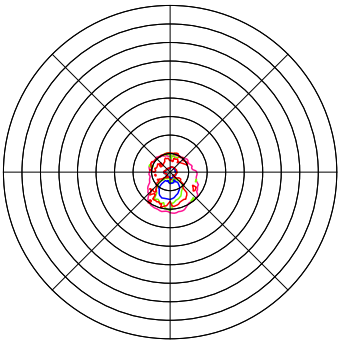
2940 ft / 1795.53 ft²



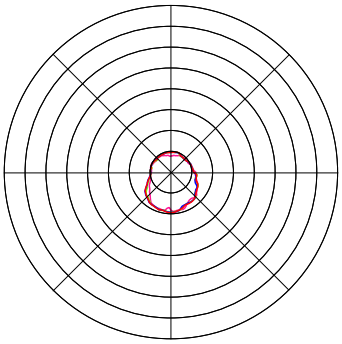
2950 ft / 2527.04 ft²



2960 ft / 3339.28 ft²



2970 ft / 14249.87 ft²



2980 ft / 30540.98 ft²

*All sections are oriented to Magnetic North.

Magnetic Declination= 0.7°

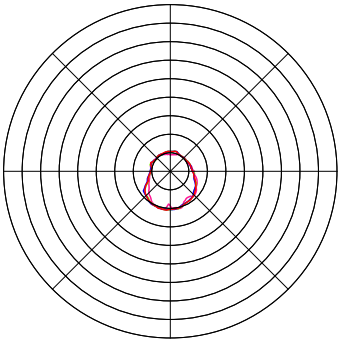
CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

HORIZONTAL SECTIONS

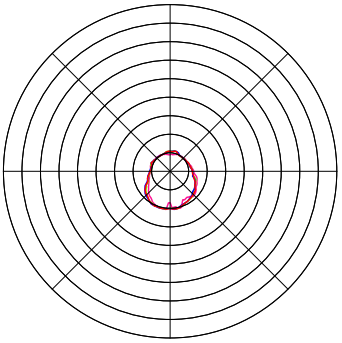
between 2990 ft and 3100 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

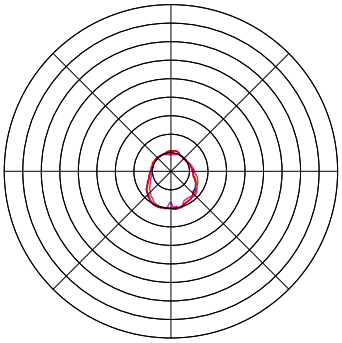
SCALE 75.0 ft per division



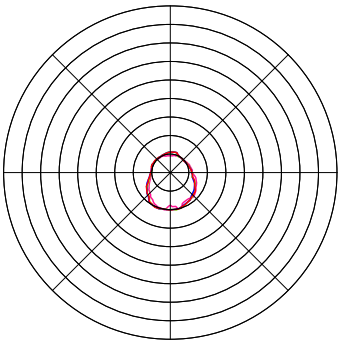
2990 ft / 29098.78 ft²



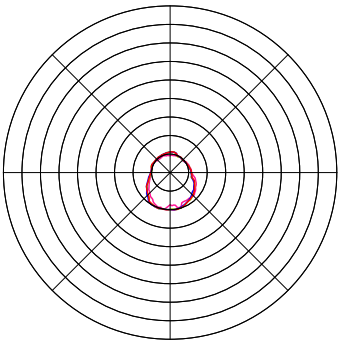
3000 ft / 28384.76 ft²



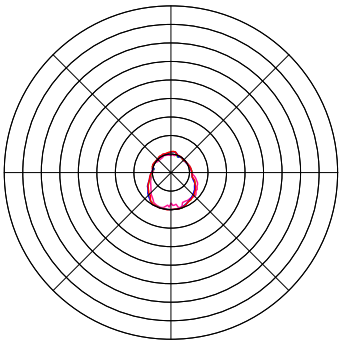
3010 ft / 27925.16 ft²



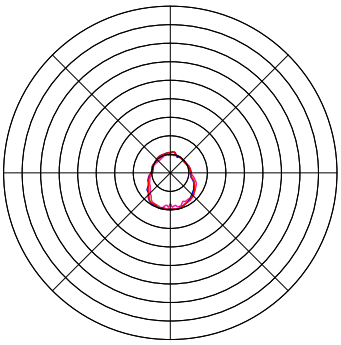
3020 ft / 27635.82 ft²



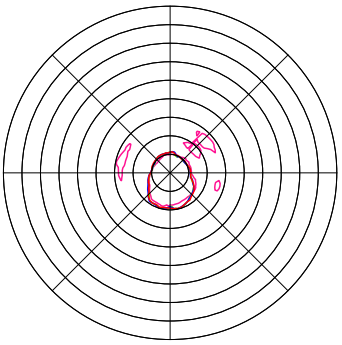
3030 ft / 27435.19 ft²



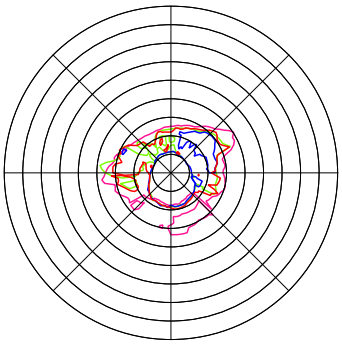
3040 ft / 27112.91 ft²



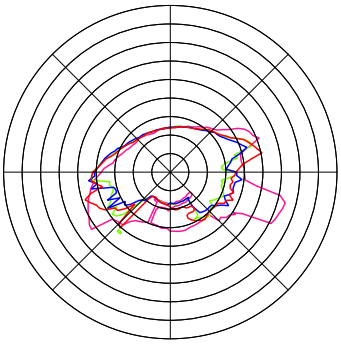
3050 ft / 26598.49 ft²



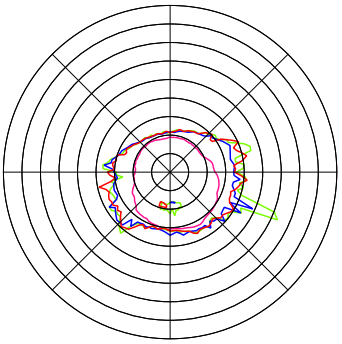
3060 ft / 26120.72 ft²



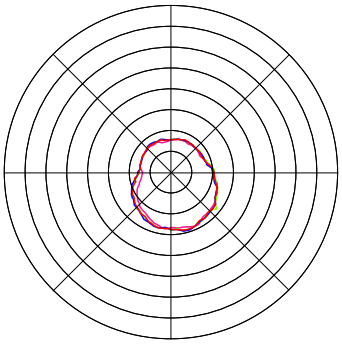
3070 ft / 74510.05 ft²



3080 ft / 133935.13 ft²



3090 ft / 139252.46 ft²



3100 ft / 76396.23 ft²

*All sections are oriented to Magnetic North.

Magnetic Declination= 0.7°

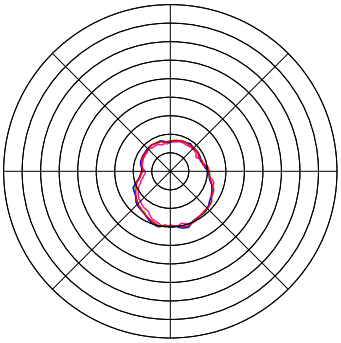
CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

HORIZONTAL SECTIONS

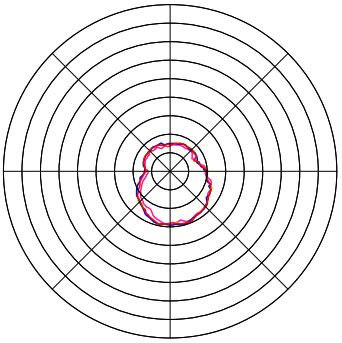
between 3110 ft and 3220 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

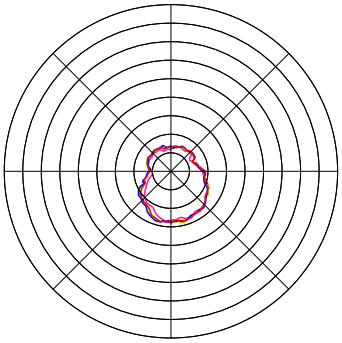
SCALE 75.0 ft per division



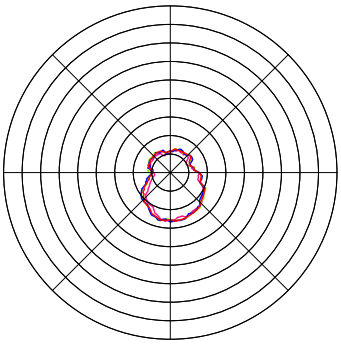
3110 ft / 67021.62 ft²



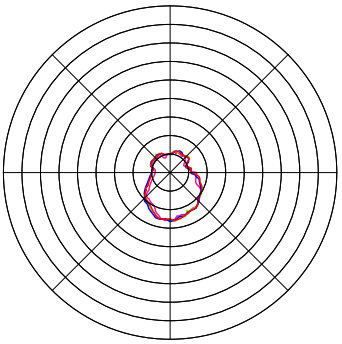
3120 ft / 58675.85 ft²



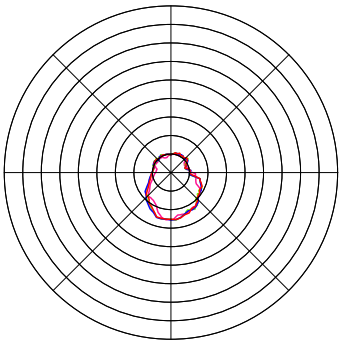
3130 ft / 49975.20 ft²



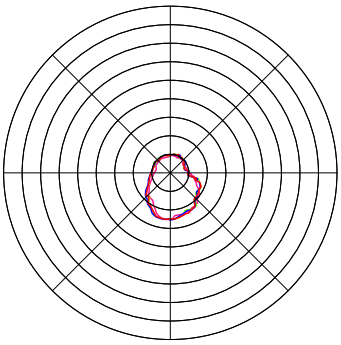
3140 ft / 42195.33 ft²



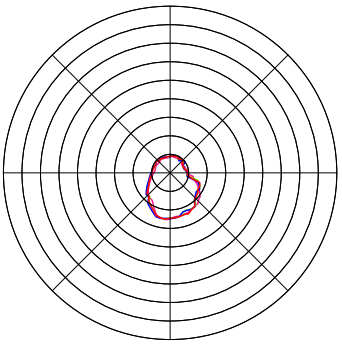
3150 ft / 36667.20 ft²



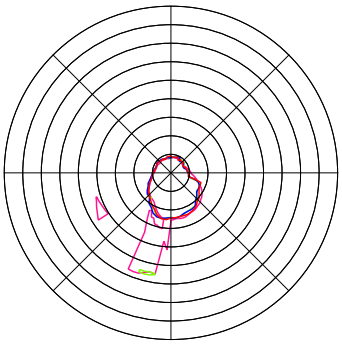
3160 ft / 34091.92 ft²



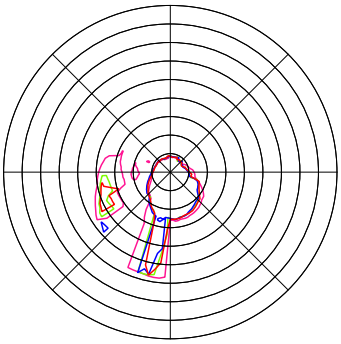
3170 ft / 32357.15 ft²



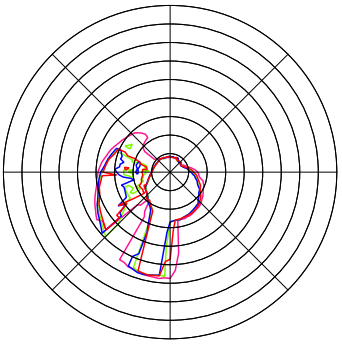
3180 ft / 30792.42 ft²



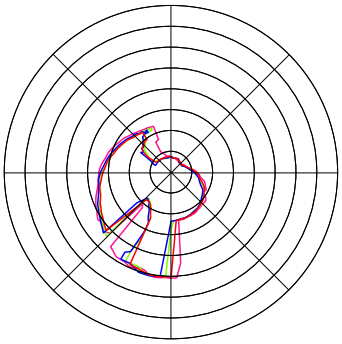
3190 ft / 30477.76 ft²



3200 ft / 45039.03 ft²



3210 ft / 81340.39 ft²



3220 ft / 103318.38 ft²

*All sections are oriented to Magnetic North.

Magnetic Declination= 0.7°

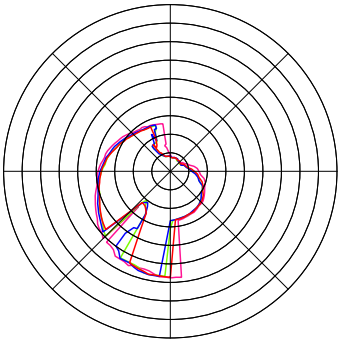
CUSTOMER : Westlake Chemicals	CAVERN : PPG No. 006X	
DATE : October 28, 2023	OPERATION No. : 3	

HORIZONTAL SECTIONS

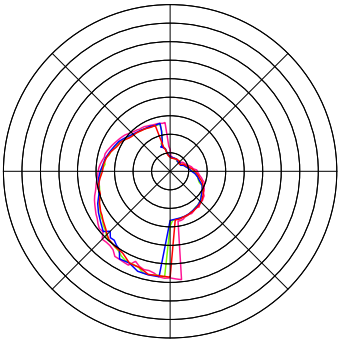
between 3230 ft and 3320 ft

Operation No. 3 (10/23) — Operation No. 2 (03/22) — Operation No. 1 (12/21) — Operation No. 0 (07/16)

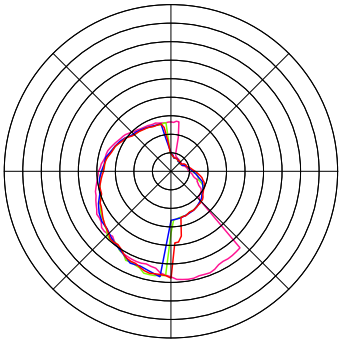
SCALE 75.0 ft per division



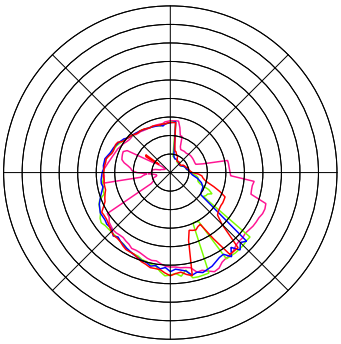
3230 ft / 112043.74 ft²



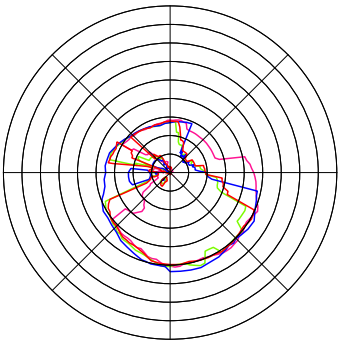
3240 ft / 129191.08 ft²



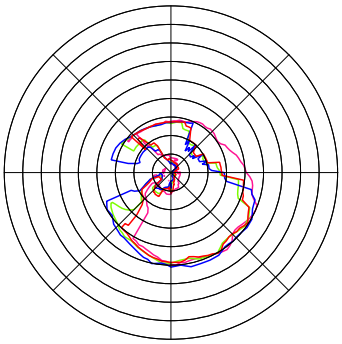
3250 ft / 132371.07 ft²



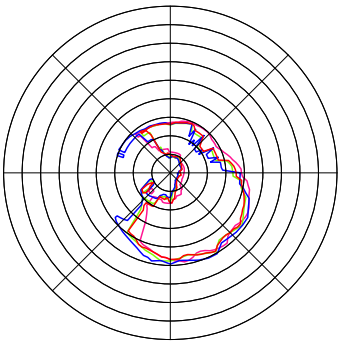
3260 ft / 156716.47 ft²



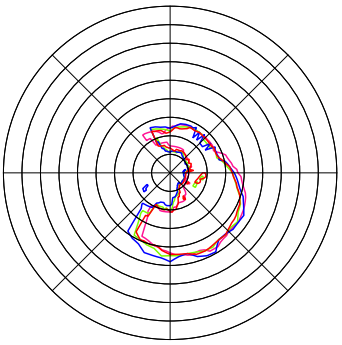
3270 ft / 151236.86 ft²



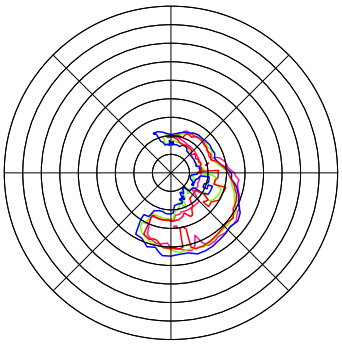
3280 ft / 131924.79 ft²



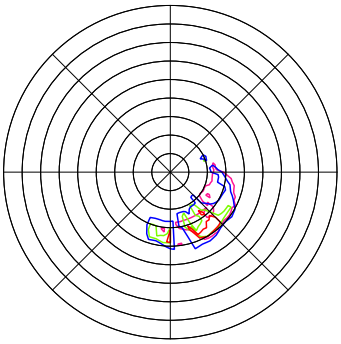
3290 ft / 119845.06 ft²



3300 ft / 94419.54 ft²



3310 ft / 48818.08 ft²



3320 ft / 3716.90 ft²

*All sections are oriented to Magnetic North.

Magnetic Declination= 0.7°

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	2508.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.2
192	0.7	0.2	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.2	0.7	0.2	0.7	0.7	0.7	0.7

DEPTH	2518.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

DEPTH	2528.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	2538.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

DEPTH	2548.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

DEPTH	2558.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	2567.9		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

DEPTH	2578.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

DEPTH	2588.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	2598.0		TILT	0		VOS	5972.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
192	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

DEPTH	2607.9		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
48	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
96	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
120	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
192	0.7	1.0	0.7	0.7	0.7	0.7	0.7	0.7
216	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
240	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
264	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
312	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
336	0.7	1.0	0.7	1.0	0.7	0.7	0.7	0.7

DEPTH	2618.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	2.9	2.5	2.2	2.4	2.6	2.5	2.4	2.6
24	2.7	2.8	2.9	2.8	2.7	2.6	2.6	2.7
48	2.7	2.8	2.8	2.6	2.5	2.6	2.6	2.8
72	2.9	2.7	2.5	2.7	2.9	2.8	2.8	2.6
96	2.5	2.3	2.2	2.2	2.2	2.2	2.2	2.3
120	2.5	2.3	2.2	2.3	2.3	2.3	2.2	2.3
144	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
168	2.2	2.3	2.4	2.3	2.3	2.3	2.3	2.5
192	2.3	2.5	2.3	2.3	2.3	2.3	2.3	2.5
216	2.7	2.7	2.8	2.8	2.7	2.6	2.4	2.4
240	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4
264	2.4	2.3	2.3	2.3	2.3	2.4	2.5	2.4
288	2.3	2.3	2.3	2.5	2.7	2.8	2.9	2.7
312	2.6	2.7	2.8	2.8	2.8	2.9	3.0	2.8
336	2.6	2.1	2.7	2.2	2.6	2.7	2.8	2.8

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DEPTH	2628.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
24	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
48	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72	3.0	3.1	3.3	3.3	3.3	3.3	3.4	3.4
96	3.4	3.4	3.4	3.3	3.1	3.3	3.4	3.3
120	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2
144	3.1	3.1	3.1	3.3	3.4	3.5	3.6	3.7
168	3.7	4.0	4.2	4.3	4.4	4.4	4.5	3.1
192	4.7	3.2	4.8	4.7	4.7	4.7	4.7	4.7
216	4.7	4.5	4.4	4.4	4.5	4.5	4.6	4.6
240	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0
264	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1
288	4.0	3.8	3.5	3.4	3.4	3.2	3.1	3.2
312	3.3	3.3	3.3	3.3	3.4	3.2	3.0	3.0
336	3.1	3.5	3.0	3.4	3.0	3.0	3.0	3.0

DEPTH	2632.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	4.7	4.7	4.6	4.5	4.4	4.4	4.3	4.3
24	4.4	4.3	4.2	4.1	4.1	4.1	4.0	4.1
48	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3
72	4.4	4.3	4.3	4.2	4.1	4.1	4.1	4.1
96	4.0	3.9	3.7	3.7	3.6	3.6	3.5	3.4
120	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
144	3.1	3.1	3.1	2.9	2.7	2.6	2.6	2.6
168	2.6	2.7	2.7	2.7	2.6	2.5	2.5	3.2
192	2.4	3.2	2.5	2.5	2.5	2.4	2.4	2.4
216	2.4	2.4	2.4	2.4	2.5	2.5	2.6	2.6
240	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7
264	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.5
288	3.6	3.7	3.7	3.8	3.9	3.8	3.7	3.7
312	3.8	3.8	3.9	4.0	4.2	4.2	4.3	4.3
336	4.4	5.1	4.6	5.2	4.6	4.6	4.6	4.7

DEPTH	2636.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	7.4	5.9	4.9	4.9	4.9	4.9	4.9	4.9
24	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
48	5.0	5.0	5.1	5.3	5.5	5.6	5.8	5.7
72	5.5	5.7	6.0	56.7	47.3	54.9	21.5	80.7
96	81.9	197.0	20.5	192.8	193.8	58.9	13.9	42.8
120	36.7	37.0	37.5	37.4	37.3	35.3	18.2	15.4
144	13.4	15.6	19.7	9.5	7.1	22.1	20.7	24.5
168	42.7	23.0	16.5	20.9	115.8	23.9	4.9	21.9
192	4.9	5.9	4.9	5.0	5.1	28.5	80.1	22.8
216	17.5	9.2	6.5	6.6	6.7	6.9	7.0	25.3
240	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6
264	7.2	7.2	7.2	7.0	6.9	7.0	7.2	7.3
288	7.5	7.3	7.0	7.2	7.3	90.1	90.2	99.8
312	165.3	154.6	37.4	15.6	12.7	15.4	22.0	27.3
336	36.4	42.5	27.6	33.1	13.3	13.5	13.7	9.1

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DEPTH	2638.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	187.3	187.6	188.4	188.3	188.7	188.9	189.6	189.6
24	190.1	190.0	190.4	190.2	190.4	191.3	192.7	193.2
48	194.2	194.3	195.0	194.6	194.8	195.1	195.9	198.3
72	201.6	203.4	205.9	207.5	209.7	208.8	208.5	205.6
96	203.3	201.4	200.1	198.1	197.2	194.0	191.5	192.3
120	193.7	194.5	195.9	196.8	198.2	198.9	200.3	202.4
144	205.1	205.7	206.8	208.2	210.2	212.9	216.2	215.4
168	215.1	214.5	214.5	216.2	216.5	218.2	220.4	221.5
192	223.2	225.1	227.4	226.1	225.3	224.5	224.3	222.5
216	221.4	218.7	216.5	214.4	212.9	208.2	204.2	203.9
240	204.2	202.0	200.4	199.2	198.5	197.8	197.9	196.7
264	196.2	193.6	191.6	190.3	189.5	188.1	187.3	187.5
288	188.3	188.4	189.0	187.7	187.0	188.9	191.5	191.5
312	192.1	190.7	189.9	191.0	192.7	193.6	195.0	193.9
336	193.3	190.9	187.9	186.0	184.2	185.5	187.3	187.0

DEPTH	2643.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.8	188.8	189.3	189.4	190.1	189.6	189.6	189.6
24	190.1	191.0	192.4	192.3	192.7	192.6	193.0	193.4
48	194.3	193.8	193.9	194.2	195.0	196.2	197.9	199.2
72	201.1	202.5	204.5	206.6	209.4	209.5	210.2	208.2
96	206.8	204.4	202.5	199.9	197.9	194.7	192.1	194.4
120	197.3	197.2	197.5	198.4	199.8	200.7	202.2	203.9
144	206.2	207.2	208.8	211.6	215.1	213.7	212.8	215.0
168	218.0	217.1	216.8	217.5	218.3	219.0	219.7	221.2
192	222.5	224.7	228.6	227.4	226.8	226.0	225.7	224.3
216	223.5	221.5	220.2	214.2	209.0	207.4	206.5	205.5
240	205.0	202.3	200.2	199.2	198.7	198.2	198.2	196.5
264	195.3	193.7	192.7	192.5	192.7	189.7	187.3	187.7
288	188.7	188.4	188.7	187.9	187.6	188.8	190.5	191.8
312	193.6	192.5	191.9	191.6	191.9	192.3	193.3	192.3
336	191.9	192.2	192.1	189.1	187.0	187.2	187.9	188.1

DEPTH	2648.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.7	188.0	187.8	188.9	190.4	190.3	190.7	190.6
24	191.0	191.0	191.6	191.7	192.4	192.5	193.0	192.5
48	192.4	193.3	194.7	195.0	195.9	196.3	197.3	197.6
72	198.5	201.1	204.5	206.3	208.8	209.7	211.3	208.9
96	207.1	205.0	203.6	199.6	196.3	193.7	191.6	193.9
120	197.0	195.9	195.3	197.0	199.3	200.2	201.6	203.0
144	204.9	207.3	210.3	211.3	212.9	214.3	216.2	216.5
168	217.4	217.8	218.8	219.2	219.8	220.3	222.0	222.5
192	223.4	225.0	226.0	225.1	224.8	225.9	227.7	225.4
216	223.7	221.8	220.5	215.4	211.1	208.9	207.3	206.2
240	205.6	202.0	199.0	199.5	200.5	199.5	199.1	197.2
264	195.9	194.5	193.7	192.5	191.8	189.0	186.7	187.3
288	188.4	188.0	188.1	187.3	187.0	189.0	191.6	192.5
312	194.0	193.6	193.7	192.8	192.4	193.9	195.9	195.4
336	195.3	193.6	192.7	189.6	188.1	188.3	189.0	188.6

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DEPTH	2658.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	189.0	189.4	190.4	191.0	192.1	191.0	190.4	191.0
24	192.1	191.5	191.3	192.2	193.6	193.2	193.3	193.5
48	194.2	195.5	197.3	197.0	197.3	197.8	198.7	200.2
72	202.3	205.4	209.1	211.2	213.9	213.6	213.9	211.6
96	209.9	207.2	205.0	200.7	197.0	194.6	192.7	194.2
120	196.2	197.2	198.8	200.4	202.5	202.0	202.2	204.2
144	206.8	209.2	212.2	213.9	216.1	216.7	218.0	218.8
168	220.2	221.3	223.1	222.5	222.5	222.7	223.5	225.5
192	228.3	230.0	232.4	231.2	230.5	229.9	229.9	227.1
216	225.1	221.2	218.0	215.7	213.9	211.5	209.6	206.6
240	204.2	202.9	202.2	201.8	201.9	201.3	201.3	199.6
264	198.5	196.6	195.3	193.0	191.3	189.6	188.4	188.4
288	189.0	189.0	189.6	188.4	187.8	189.9	192.4	193.9
312	195.9	195.3	195.3	194.4	194.0	194.7	195.9	196.3
336	197.2	193.9	191.6	190.4	189.6	189.5	189.9	189.2

DEPTH	2668.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	191.3	191.0	191.3	191.7	192.7	192.2	192.1	192.3
24	193.0	193.3	194.2	194.2	194.7	195.0	195.7	195.9
48	196.6	196.6	197.0	197.0	197.6	199.0	201.0	203.0
72	205.6	207.3	209.6	212.2	215.4	218.0	221.2	215.1
96	209.9	206.4	203.6	200.7	198.5	196.3	194.7	196.3
120	198.5	199.0	200.2	202.0	204.5	205.1	206.2	207.5
144	209.3	212.6	216.5	218.2	220.5	220.5	221.1	222.1
168	223.7	223.3	223.5	223.2	222.3	224.7	226.7	228.7
192	231.8	232.9	235.7	233.5	232.0	232.5	233.7	229.9
216	226.8	223.9	221.7	217.1	213.4	210.3	207.9	206.5
240	205.6	203.8	202.5	202.2	202.5	201.6	201.3	199.9
264	199.1	197.6	196.7	193.4	190.7	189.7	189.3	189.4
288	190.1	189.4	189.3	188.4	188.1	190.6	193.6	195.9
312	198.7	197.3	196.4	195.4	195.0	197.8	201.3	198.6
336	196.4	193.5	191.3	190.4	188.7	188.6	189.0	189.9

DEPTH	2678.0		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	191.3	190.5	190.1	190.7	191.9	192.0	192.7	193.2
24	194.2	193.7	193.9	194.0	194.7	195.3	196.4	196.3
48	196.7	196.6	197.0	198.2	199.9	200.8	202.2	203.7
72	205.9	208.5	211.6	214.3	217.7	220.9	224.8	217.7
96	211.6	207.9	204.8	199.8	195.6	195.6	196.2	197.6
120	199.6	200.4	201.7	203.7	206.3	208.6	211.6	211.5
144	211.9	215.0	218.8	220.1	222.0	221.1	220.8	222.2
168	224.2	224.6	225.7	224.4	223.7	225.8	228.5	230.6
192	233.5	235.4	237.4	236.5	236.3	234.5	233.4	231.2
216	229.7	226.5	224.5	219.7	215.7	212.2	209.3	208.2
240	207.6	204.9	202.8	203.0	203.9	202.3	201.3	200.0
264	199.3	197.9	197.0	193.7	191.0	189.6	188.7	188.7
288	189.3	188.7	188.7	188.9	189.6	190.7	192.4	195.0
312	198.2	197.6	197.6	196.5	195.9	198.0	200.7	199.5
336	198.7	194.2	191.9	190.2	190.1	190.0	190.4	190.6

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DEPTH	2687.9		TILT	0		VOS	5973.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	190.4	190.6	191.3	191.7	192.6	191.8	191.6	192.0
24	193.0	193.5	194.4	194.5	195.0	195.2	195.9	196.9
48	198.5	198.2	198.5	199.6	201.3	201.2	201.6	203.0
72	205.0	207.5	210.5	214.2	218.7	222.9	228.0	219.1
96	211.4	209.0	207.3	201.2	195.9	196.6	197.9	199.2
120	201.1	201.1	201.7	204.8	208.5	209.3	210.8	211.2
144	212.2	214.2	216.8	218.2	220.2	220.8	222.0	223.2
168	225.1	225.4	226.3	225.4	224.8	226.0	228.6	229.2
192	229.7	234.9	238.9	237.1	236.0	235.0	234.6	233.0
216	232.0	227.8	224.3	219.9	216.2	213.0	210.5	208.9
240	207.9	205.3	203.3	203.3	203.9	202.9	202.5	201.5
264	201.0	198.6	196.7	195.0	193.9	191.0	188.7	188.9
288	189.6	189.3	189.6	189.2	189.3	191.7	194.7	196.4
312	198.7	198.6	199.0	197.3	196.2	198.9	202.2	200.6
336	199.6	196.2	193.3	190.5	190.1	190.0	190.4	190.2

DEPTH	2698.3		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	190.5	190.8	191.6	191.5	191.9	191.5	191.6	192.7
24	194.3	193.5	193.2	194.2	195.7	195.6	196.0	196.7
48	197.9	197.6	197.9	199.7	202.0	201.9	202.3	203.9
72	206.2	209.5	213.6	215.9	218.8	223.9	229.8	221.4
96	214.1	210.9	208.4	203.2	198.7	198.2	198.2	199.1
120	200.7	201.5	202.9	205.4	208.6	209.6	211.1	212.7
144	215.0	216.3	218.3	219.2	220.7	221.4	222.6	224.0
168	225.9	226.7	228.1	226.7	227.0	227.0	228.4	230.1
192	231.2	234.7	238.9	237.4	236.7	235.1	234.2	233.7
216	233.9	230.3	227.3	222.8	219.1	214.4	210.6	209.6
240	209.2	206.4	204.2	204.1	204.5	205.6	207.3	203.5
264	200.4	198.6	197.4	194.9	193.0	191.0	189.7	189.7
288	190.2	189.4	189.1	188.2	187.7	189.7	192.1	194.6
312	197.6	197.9	198.7	197.6	197.1	200.1	203.7	201.7
336	200.4	196.0	192.7	191.1	189.9	190.2	191.0	190.5

DEPTH	2708.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	189.7	189.8	190.5	190.5	191.0	191.5	192.4	192.7
24	193.5	193.1	193.2	193.7	194.6	195.4	196.8	196.7
48	197.1	198.2	199.8	200.2	201.2	202.0	203.4	205.6
72	208.4	210.5	213.3	217.6	222.8	224.9	227.7	218.2
96	210.0	206.5	203.7	200.9	198.7	197.5	196.8	199.7
120	203.1	204.5	206.4	208.2	210.6	211.8	213.6	213.3
144	213.6	214.9	216.9	219.6	222.9	222.9	223.5	225.2
168	227.6	227.4	227.9	226.3	225.1	226.6	228.7	231.2
192	233.6	236.3	240.5	238.2	236.7	235.8	235.6	233.6
216	232.3	228.9	226.2	222.0	218.5	214.0	210.3	208.8
240	207.8	205.9	204.5	204.6	205.3	205.2	205.6	203.1
264	201.2	199.3	197.9	195.4	193.5	191.2	189.4	189.0
288	189.1	189.3	189.9	188.4	187.5	190.2	193.5	195.6
312	198.2	198.2	198.7	199.2	200.1	201.9	204.2	200.5
336	197.4	195.8	192.7	190.7	189.7	189.4	189.7	189.4

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DEPTH	2718.0		TILT	85		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0
24	83.2	82.4	81.6	81.6	81.6	81.7	81.8	81.9
48	82.1	81.8	81.6	81.5	81.4	81.6	81.8	82.5
72	83.3	82.9	82.5	82.5	83.2	83.2	83.2	83.1
96	83.0	82.8	82.5	82.4	82.2	82.5	82.8	82.7
120	82.5	82.7	82.9	83.0	83.1	83.1	83.1	83.1
144	83.1	83.0	82.8	82.3	81.4	82.3	82.9	82.7
168	82.6	82.7	82.9	82.9	82.9	82.4	82.6	82.1
192	82.1	82.1	81.8	82.3	82.8	82.5	83.2	83.0
216	82.8	82.2	81.4	81.6	81.8	81.9	81.9	81.9
240	81.9	81.9	82.0	82.0	82.0	82.0	82.0	81.9
264	81.8	81.8	81.8	81.9	82.0	81.9	81.9	81.9
288	81.9	81.9	81.9	81.9	81.9	82.2	82.5	82.6
312	82.7	82.7	82.7	83.0	83.3	83.1	82.8	82.9
336	82.9	83.9	83.5	83.9	83.6	83.2	82.7	82.2

DEPTH	2718.0		TILT	80		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	83.9	83.8	83.8	83.8	83.9	83.7	83.5	83.7
24	83.9	83.3	82.7	83.1	83.6	83.8	83.9	83.1
48	82.4	82.7	83.0	83.1	83.2	83.5	83.8	83.8
72	83.9	83.9	83.9	83.8	84.4	84.0	83.6	83.6
96	83.6	83.6	83.6	83.2	82.8	82.9	82.7	83.2
120	83.8	84.1	84.4	83.8	83.3	83.3	83.3	82.9
144	82.5	83.0	83.3	83.2	83.9	83.3	84.4	84.2
168	83.9	83.5	83.0	83.4	83.8	83.6	83.9	83.6
192	83.2	83.3	84.4	84.3	84.2	83.8	83.8	83.5
216	83.2	83.1	83.6	83.0	82.4	83.1	83.8	83.8
240	83.9	83.6	83.3	83.7	84.1	84.0	83.9	83.1
264	82.4	82.3	82.2	83.1	84.1	83.8	83.4	83.3
288	83.2	83.2	83.3	83.5	83.8	83.5	83.6	83.4
312	83.2	83.3	83.5	83.0	82.2	82.9	83.5	83.8
336	84.1	83.8	83.5	82.9	82.4	82.5	82.7	83.3

DEPTH	2718.0		TILT	75		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	84.9	84.7	84.6	85.0	85.5	85.4	85.3	85.1
24	84.9	84.8	84.7	84.1	83.5	84.5	85.5	85.7
48	85.9	85.2	84.6	84.4	84.2	84.2	84.1	83.9
72	83.8	84.2	84.7	85.1	85.2	84.8	84.4	84.8
96	85.0	84.8	84.2	84.8	85.3	84.8	84.6	84.7
120	84.8	85.2	85.5	85.5	85.5	84.8	83.9	84.5
144	85.2	84.7	84.2	84.5	84.9	84.5	84.1	84.8
168	85.5	84.6	83.9	84.4	84.7	84.7	83.9	84.4
192	85.2	85.1	84.9	84.7	84.6	85.1	84.7	84.5
216	83.9	84.4	84.9	84.1	83.3	84.3	85.3	84.9
240	84.5	84.7	85.0	84.9	84.8	84.9	85.0	84.6
264	84.2	84.8	85.3	85.0	84.7	84.8	84.9	85.3
288	85.8	85.8	85.8	85.5	85.2	85.2	85.2	85.0
312	84.8	84.7	84.6	84.6	84.8	84.6	84.5	84.7
336	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.0

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WALL RANGES VS DEPTH

DEPTH	2718.0		TILT	70		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	86.9	87.6	88.3	88.3	88.3	88.0	87.7	87.3
24	87.0	86.7	86.4	87.2	88.0	86.9	85.9	86.9
48	88.0	87.6	87.2	87.7	88.1	87.7	87.4	87.5
72	87.6	87.4	87.2	87.4	87.4	87.4	87.7	87.5
96	88.1	87.3	87.2	87.2	87.8	87.5	87.8	87.3
120	87.4	87.7	88.0	87.9	87.8	87.0	87.2	87.0
144	86.7	87.2	87.8	87.5	87.2	87.1	87.0	86.9
168	87.0	86.6	86.3	86.6	87.2	87.1	87.8	86.9
192	85.6	86.9	88.1	86.9	85.8	86.7	87.5	87.0
216	87.3	87.0	86.7	87.0	87.3	87.1	86.9	86.2
240	85.6	86.1	86.6	86.7	86.9	87.6	88.4	87.6
264	86.9	87.3	87.8	87.2	86.6	87.1	87.7	87.3
288	86.9	87.2	87.6	87.5	87.4	87.4	87.2	87.5
312	87.8	87.7	87.7	87.3	87.5	86.8	86.1	86.7
336	87.2	86.9	86.6	87.3	88.1	87.8	87.6	87.2

DEPTH	2718.0		TILT	65		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	90.5	90.0	89.5	90.1	90.7	90.9	91.2	90.2
24	89.2	89.6	90.0	90.4	90.9	91.1	91.2	90.8
48	90.5	89.8	89.2	89.8	90.5	90.4	90.3	91.0
72	91.9	91.4	91.1	90.7	91.1	90.6	90.5	90.6
96	90.7	90.6	90.9	90.7	90.7	90.8	90.9	90.4
120	90.0	90.0	90.0	90.0	90.0	89.8	89.7	90.0
144	90.3	90.4	90.6	90.7	90.8	90.7	90.8	90.4
168	90.3	90.0	90.1	90.0	90.2	90.5	90.4	90.4
192	90.5	89.9	90.2	90.0	89.8	89.9	90.4	90.5
216	90.4	90.0	89.7	89.6	89.5	90.0	90.5	90.4
240	90.4	90.5	90.7	90.4	90.2	90.3	90.5	90.5
264	90.5	90.3	90.0	90.2	90.5	90.0	89.5	89.9
288	90.3	90.3	90.3	90.5	90.8	90.7	90.8	91.1
312	91.4	90.7	90.0	90.3	90.5	90.6	90.7	90.3
336	90.0	90.2	90.4	90.1	90.4	90.2	90.0	90.3

DEPTH	2718.0		TILT	60		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	95.6	95.1	94.6	94.7	94.8	94.6	94.5	94.8
24	95.2	95.4	95.6	94.9	94.4	94.2	94.2	94.3
48	94.5	94.8	95.2	95.2	95.3	95.3	95.4	95.4
72	95.4	95.3	95.3	94.8	94.3	95.3	96.4	95.5
96	94.6	95.3	95.1	95.1	95.0	94.8	94.0	94.0
120	94.0	93.5	93.1	93.5	94.0	94.2	94.5	94.8
144	95.1	94.3	93.6	94.4	95.4	94.8	94.2	94.2
168	94.2	94.3	94.5	94.4	94.5	94.5	94.6	94.4
192	93.9	94.3	94.4	94.2	94.2	94.4	95.0	94.8
216	95.2	94.7	94.3	94.3	94.3	93.7	93.1	93.9
240	94.8	94.8	94.8	94.1	93.4	93.8	94.3	94.2
264	94.2	93.8	93.6	93.7	93.9	94.5	95.1	94.5
288	93.9	93.7	93.6	94.5	95.4	95.0	95.1	94.9
312	94.6	94.9	95.4	95.2	95.0	95.1	95.2	94.9
336	94.6	94.7	94.5	94.7	94.4	94.2	94.2	94.8

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WALL RANGES VS DEPTH

DEPTH	2718.0		TILT	55		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	101.2	100.6	100.1	99.7	99.5	99.8	100.2	100.0
24	99.9	100.3	100.7	100.4	100.2	99.6	99.2	100.0
48	101.0	99.9	98.8	98.6	98.5	99.5	100.6	100.3
72	100.1	100.0	99.9	99.7	99.6	99.4	99.3	100.9
96	101.9	100.9	100.4	100.6	100.6	99.8	98.8	99.3
120	99.8	99.8	99.9	99.6	99.5	99.8	100.3	100.3
144	100.4	100.7	101.0	100.0	99.0	99.3	99.6	99.8
168	100.1	100.3	100.6	100.3	99.9	100.4	100.6	100.1
192	99.8	99.7	99.6	100.0	100.4	100.3	99.9	100.5
216	100.3	100.1	100.1	99.7	99.5	99.3	99.3	99.7
240	100.2	100.0	99.9	100.1	100.4	100.0	99.7	100.0
264	100.4	100.3	100.3	100.2	100.3	100.0	99.9	100.0
288	100.3	99.9	99.6	99.9	100.3	100.4	100.1	100.5
312	101.0	100.4	99.3	99.6	100.1	99.8	99.6	99.7
336	99.9	100.2	101.1	100.7	100.8	100.3	99.9	100.5

DEPTH	2718.0		TILT	50		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	108.6	108.6	108.8	108.6	108.6	107.7	106.9	107.4
24	108.0	108.1	108.3	107.9	107.5	108.1	108.8	108.6
48	108.5	107.2	106.0	106.5	107.2	107.5	107.9	107.6
72	107.5	107.6	107.9	108.5	109.2	108.6	108.2	107.2
96	108.0	107.4	107.5	107.7	107.9	107.1	107.4	107.5
120	107.7	107.5	107.4	107.7	108.2	107.4	106.8	107.3
144	108.1	107.9	107.9	107.6	107.4	107.5	107.9	107.8
168	107.9	107.2	106.8	107.5	108.2	107.7	107.4	107.3
192	106.9	106.6	107.2	107.2	107.2	107.3	108.5	107.5
216	108.0	107.6	107.2	107.3	107.5	107.4	107.4	107.0
240	106.8	106.7	106.7	107.2	107.9	108.0	108.2	108.2
264	108.2	108.3	108.6	108.4	108.4	108.3	108.2	107.7
288	107.2	108.2	109.2	108.2	107.4	107.5	107.4	107.5
312	107.7	107.3	107.5	107.8	108.2	108.6	109.1	108.5
336	108.1	107.4	107.2	108.0	108.3	107.5	106.9	107.7

DEPTH	2718.0		TILT	45		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	116.9	116.7	116.6	117.4	118.5	117.8	117.2	117.0
24	116.9	117.0	117.2	116.8	116.6	116.2	116.0	115.8
48	115.7	116.2	116.9	117.0	117.2	117.0	116.9	117.0
72	117.2	117.4	117.8	117.4	117.2	116.2	115.4	115.5
96	115.7	115.8	116.0	116.5	117.2	117.2	119.0	117.9
120	116.9	116.8	116.9	116.4	116.0	115.8	115.7	115.8
144	116.0	116.1	116.3	115.9	115.7	116.1	116.6	116.7
168	116.9	117.0	117.2	116.4	116.9	116.5	116.9	116.4
192	116.3	115.5	114.8	114.7	114.8	115.0	115.4	115.5
216	115.7	115.6	115.7	116.2	116.9	117.0	117.2	117.3
240	117.5	117.3	117.2	117.0	116.9	116.8	116.9	116.5
264	116.3	116.2	116.3	116.2	116.3	116.2	116.3	117.3
288	118.5	117.3	116.3	116.2	116.3	116.2	117.2	117.1
312	117.2	116.3	115.4	115.9	116.6	116.5	116.6	116.7
336	116.9	117.0	116.9	117.1	117.7	117.5	117.5	117.1

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DEPTH	2718.0		TILT	40		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	126.7	127.1	127.7	128.3	129.2	129.2	129.5	129.5
24	129.8	128.6	127.7	128.2	128.9	128.8	128.9	129.1
48	129.5	130.0	130.7	129.5	128.6	127.9	127.4	128.0
72	128.9	128.4	128.1	127.6	127.3	126.9	126.7	127.2
96	128.0	127.7	127.7	127.9	128.3	129.1	128.9	128.8
120	128.9	128.8	128.9	128.9	129.2	129.1	129.2	128.3
144	127.7	127.9	128.3	128.3	128.6	128.6	128.9	128.8
168	128.9	128.0	127.4	127.8	128.0	127.9	128.0	128.2
192	127.8	127.8	126.7	126.5	126.4	127.1	128.0	128.0
216	128.3	127.9	127.7	127.6	127.7	127.9	128.3	127.9
240	127.7	127.7	128.0	127.7	127.7	127.6	127.7	127.6
264	127.8	127.2	126.7	127.5	128.4	128.7	129.2	128.3
288	127.7	127.6	127.7	127.6	127.7	126.6	125.8	127.4
312	128.3	127.8	128.3	128.2	128.3	128.3	128.6	128.6
336	128.9	128.6	129.2	128.9	130.1	129.2	128.6	127.5

DEPTH	2718.0		TILT	35		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	143.9	143.5	143.3	143.2	143.3	143.9	144.8	143.8
24	143.0	143.6	144.5	142.8	141.5	142.2	143.3	142.7
48	142.4	142.7	143.3	143.3	143.6	143.2	143.0	142.6
72	142.4	143.4	144.6	143.9	143.5	143.4	143.6	144.4
96	145.5	145.2	145.1	143.9	143.9	143.9	143.9	144.4
120	145.1	144.9	144.8	143.8	143.0	142.9	143.0	143.3
144	143.9	144.2	144.8	144.5	144.5	144.7	145.1	145.2
168	145.5	144.8	144.5	143.5	142.7	142.4	142.4	143.1
192	144.5	143.6	144.5	144.1	143.9	143.6	143.6	143.5
216	143.6	143.6	143.9	143.5	143.3	142.5	142.1	142.1
240	142.4	142.6	143.0	143.0	143.2	142.7	142.4	142.6
264	143.0	143.6	144.5	143.8	143.3	142.9	142.7	142.9
288	143.3	144.1	145.1	144.4	143.9	143.9	144.2	143.1
312	143.6	143.7	143.3	143.3	143.6	143.5	143.6	143.8
336	144.2	143.8	143.6	143.9	143.6	143.9	144.5	144.1

DEPTH	2718.0		TILT	30		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	166.3	166.5	166.9	166.5	166.3	166.6	167.2	166.5
24	166.0	164.8	163.9	165.3	167.1	167.3	167.7	167.0
48	166.6	167.1	168.0	165.4	163.3	163.3	163.6	162.9
72	162.5	163.3	164.5	164.6	165.1	166.9	169.1	167.2
96	165.7	165.6	165.7	166.2	165.2	165.7	164.9	164.1
120	163.6	161.8	160.3	161.9	163.9	163.3	162.9	163.9
144	165.1	164.3	163.9	164.6	165.7	165.1	164.8	165.7
168	166.9	165.9	165.1	165.8	167.4	164.3	162.3	162.6
192	163.8	164.8	163.6	164.5	165.7	166.8	168.2	166.3
216	164.8	164.9	165.4	164.6	164.2	163.7	163.6	163.3
240	163.3	162.7	162.5	163.2	164.2	164.0	164.2	163.9
264	163.9	164.6	165.7	164.8	164.2	163.6	163.3	163.6
288	164.2	164.5	165.1	164.5	164.2	164.9	166.0	165.3
312	166.0	165.2	166.3	165.7	165.4	165.4	165.7	165.6
336	165.7	164.6	164.2	164.5	165.4	164.2	163.3	164.6

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DEPTH	2718.0		TILT	28		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	175.5	175.1	174.9	174.1	173.7	175.0	176.8	177.4
24	178.3	176.9	175.8	176.0	176.4	176.7	177.2	176.2
48	175.5	176.0	176.8	176.6	176.8	177.5	178.5	176.8
72	175.4	174.4	173.7	176.5	179.8	180.0	180.6	178.2
96	176.2	177.5	179.2	178.0	178.3	176.9	175.8	174.3
120	173.1	174.3	175.8	175.5	175.5	173.7	172.2	172.5
144	173.1	174.9	177.1	175.8	174.9	174.1	173.7	174.3
168	175.2	175.7	176.4	176.5	174.3	175.3	173.1	173.1
192	173.2	176.3	177.0	176.3	175.8	178.1	180.7	177.9
216	175.5	174.7	174.3	174.6	175.2	175.5	176.1	175.4
240	174.9	175.8	177.0	174.4	172.1	173.0	174.3	173.4
264	172.9	176.0	179.5	177.0	174.8	173.4	172.4	173.1
288	174.3	174.1	174.3	173.5	173.1	174.3	175.8	175.4
312	175.2	174.4	172.2	174.8	177.9	176.7	175.8	176.6
336	177.7	176.2	174.3	175.6	175.5	176.6	178.0	176.6

DEPTH	2718.0		TILT	26		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	191.6	191.6	192.1	192.3	193.0	193.9	195.2	196.5
24	198.2	195.7	193.6	193.7	194.2	190.9	188.1	186.7
48	185.7	186.1	186.9	189.7	193.0	194.6	196.7	198.8
72	201.3	197.0	193.3	191.3	189.6	190.8	192.3	191.7
96	191.5	194.2	197.3	193.1	191.7	191.2	193.5	192.3
120	191.5	191.5	191.9	194.8	198.2	196.8	195.8	193.4
144	191.5	192.2	193.2	195.7	198.5	196.8	195.5	193.4
168	191.8	190.8	190.3	190.2	188.7	188.7	188.6	188.3
192	186.6	189.8	194.9	192.0	189.7	192.3	195.5	190.0
216	185.3	186.0	187.2	189.7	192.7	193.1	193.9	190.5
240	187.5	189.6	192.1	191.0	190.3	188.2	186.6	188.8
264	191.5	193.6	196.1	194.5	193.3	191.0	189.1	188.5
288	188.3	186.6	185.3	186.2	187.5	187.6	188.1	187.2
312	186.6	188.1	190.0	191.1	192.7	191.0	189.8	189.8
336	190.3	189.7	189.4	188.1	191.5	191.5	191.9	191.5

DEPTH	2718.0		TILT	24		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	205.3	204.3	203.8	204.4	205.6	203.7	202.3	202.8
24	203.8	203.5	203.7	204.4	205.6	206.1	207.0	206.8
48	207.1	208.2	209.7	209.6	209.9	209.3	209.2	210.7
72	212.8	214.7	217.2	214.8	213.0	209.1	205.9	205.0
96	204.6	204.7	205.3	205.5	207.4	204.6	204.7	202.6
120	201.1	205.6	210.8	210.1	209.9	212.7	216.1	216.8
144	218.0	220.7	224.0	224.5	225.5	218.3	212.0	207.0
168	202.6	207.1	212.4	209.8	214.8	209.1	206.8	205.6
192	209.3	206.1	209.3	207.7	206.5	207.5	209.1	207.5
216	206.5	203.5	200.9	203.9	207.5	207.3	207.4	205.5
240	204.1	204.4	205.3	202.9	201.1	200.8	201.0	204.6
264	208.9	207.6	206.8	205.0	203.7	204.1	205.1	204.3
288	204.1	202.9	202.2	201.6	201.5	202.5	204.0	204.5
312	205.6	202.4	199.7	202.2	205.3	205.7	206.5	207.3
336	208.7	203.0	204.4	200.6	200.4	200.4	200.9	202.9

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WALL RANGES VS DEPTH

DEPTH	2718.0		TILT	22		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	203.5	203.4	203.8	203.8	204.4	204.1	204.3	204.3
24	204.9	205.1	205.9	205.8	206.2	206.6	207.4	208.1
48	209.3	209.3	209.8	209.9	210.6	210.7	211.4	213.6
72	216.1	217.6	219.6	222.2	225.4	223.3	221.9	220.6
96	219.9	216.8	214.3	213.3	212.6	209.6	207.3	209.2
120	211.7	211.3	211.4	212.2	213.5	214.2	215.5	217.7
144	220.4	222.0	224.0	224.4	225.2	226.8	229.0	223.8
168	219.4	223.7	228.7	225.7	230.6	227.3	231.7	223.5
192	221.9	223.2	224.0	222.4	221.5	222.9	224.9	229.7
216	235.3	226.3	218.5	221.5	225.1	222.6	220.6	218.2
240	216.3	215.7	215.5	214.2	213.5	213.2	213.2	212.0
264	211.2	209.2	207.8	206.7	206.1	203.8	201.9	202.8
288	204.2	203.6	203.4	202.5	202.0	203.6	205.7	206.1
312	207.0	206.2	205.9	206.3	207.2	208.0	209.2	208.4
336	208.1	207.0	205.9	203.2	201.3	201.5	202.2	202.6

DEPTH	2718.0		TILT	20		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	200.7	200.2	200.1	201.1	202.6	202.4	202.8	202.7
24	203.1	203.2	203.7	203.9	204.6	204.7	205.2	204.7
48	204.6	205.5	206.9	207.2	208.1	208.8	210.0	210.9
72	212.4	214.6	217.4	219.8	222.8	223.4	224.6	221.9
96	219.9	217.4	215.6	212.1	209.3	206.2	203.8	205.6
120	207.8	207.8	208.4	209.5	211.1	212.7	214.8	216.8
144	219.3	220.2	221.6	223.5	225.9	226.6	227.9	228.3
168	229.2	229.8	230.9	230.4	231.4	232.1	234.5	235.2
192	237.5	236.9	241.2	239.8	239.1	237.1	235.8	235.2
216	235.2	232.8	231.0	226.1	221.8	220.4	219.5	218.5
240	218.1	215.1	212.8	212.2	212.2	211.4	211.1	209.4
264	208.1	206.8	205.9	204.7	204.0	200.4	197.4	198.5
288	200.1	200.0	200.4	199.7	199.5	201.3	203.8	204.7
312	206.2	205.8	205.9	205.0	204.6	206.1	208.1	207.5
336	207.5	205.9	204.9	201.5	198.7	199.5	200.7	200.4

DEPTH	2718.0		TILT	15		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	197.6	197.5	197.8	198.3	199.3	198.7	198.5	198.8
24	199.5	199.7	200.3	200.5	201.2	201.5	202.3	202.6
48	203.4	203.4	203.9	204.0	204.5	204.5	205.1	207.6
72	210.8	213.3	216.3	218.2	220.7	222.3	224.6	220.4
96	217.0	215.0	213.6	207.8	202.8	202.6	202.9	203.5
120	204.7	204.6	205.0	206.7	209.0	211.0	213.6	214.7
144	216.3	217.7	219.6	221.5	224.0	224.6	225.7	226.6
168	228.1	229.2	230.9	230.3	230.3	230.5	231.3	233.3
192	235.8	237.3	238.9	238.0	237.8	236.4	235.6	233.9
216	232.8	228.9	225.7	223.9	222.8	218.9	215.7	214.1
240	213.0	210.7	209.0	208.6	208.7	208.4	208.7	207.0
264	205.9	204.4	203.4	200.1	197.4	196.3	195.8	195.9
288	196.6	196.0	195.9	195.0	194.6	197.1	200.1	202.8
312	206.2	204.7	203.7	202.3	201.5	203.4	205.9	204.1
336	202.9	200.3	199.3	197.0	195.3	195.1	195.4	196.3

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WALL RANGES VS DEPTH

DEPTH	2718.0		TILT	10		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	193.6	193.4	193.7	194.5	195.7	194.6	194.1	194.5
24	195.4	196.0	197.1	197.2	197.8	198.7	200.1	200.4
48	201.2	201.8	202.9	202.6	202.9	204.6	207.0	208.5
72	210.6	211.3	212.7	216.5	221.1	224.4	228.3	221.6
96	215.8	211.9	208.7	203.7	199.5	199.5	200.0	201.4
120	203.3	203.7	204.7	207.1	210.0	212.4	215.5	215.6
144	216.3	218.7	221.8	223.2	225.2	224.4	224.3	225.6
168	227.6	228.0	229.1	227.8	227.1	229.2	232.0	234.1
192	237.5	238.7	240.2	239.4	239.1	237.2	235.8	233.7
216	232.3	230.0	227.9	223.1	219.0	215.6	212.9	212.2
240	212.2	209.4	207.3	206.0	205.3	205.2	205.6	204.1
264	203.1	200.9	199.3	196.1	193.5	192.3	191.5	191.7
288	192.3	192.0	192.1	191.9	192.2	193.9	196.1	197.7
312	199.8	201.1	202.9	201.2	200.1	201.2	202.9	202.7
336	203.1	198.5	193.8	193.0	191.6	192.6	194.1	193.6

DEPTH	2718.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	191.3	190.9	191.0	190.8	191.0	192.0	193.5	193.3
24	193.5	194.2	195.4	194.6	194.3	195.2	196.5	196.7
48	197.4	198.3	199.8	200.7	202.0	202.8	204.1	207.4
72	211.4	213.4	216.1	220.6	225.9	223.9	222.5	216.3
96	211.1	206.8	203.1	198.8	195.2	196.0	197.4	199.9
120	203.1	203.8	205.1	206.7	208.9	211.5	214.7	213.6
144	213.0	214.9	217.4	220.0	223.2	223.7	224.8	225.9
168	227.6	226.7	226.5	225.8	225.4	226.2	227.6	230.3
192	235.3	237.1	241.3	237.9	235.3	233.7	232.8	230.8
216	229.5	225.2	221.5	218.2	215.5	213.3	211.7	209.8
240	208.6	205.7	203.4	204.0	205.1	204.2	204.0	202.4
264	201.5	199.4	197.9	193.7	190.2	189.7	189.7	188.9
288	188.6	188.7	189.4	187.8	186.6	190.2	194.3	196.5
312	199.3	199.0	199.3	200.2	201.6	203.0	205.1	201.3
336	198.2	195.5	194.1	190.7	188.8	188.7	189.1	190.0

DEPTH	2728.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	191.3	190.8	190.8	190.9	191.6	192.0	193.0	192.6
24	192.7	193.2	194.3	194.2	194.6	195.0	196.0	196.9
48	198.5	198.5	199.0	199.6	200.7	202.6	205.1	206.3
72	208.1	211.2	215.0	219.5	224.9	223.5	222.8	216.0
96	210.2	207.1	204.7	200.0	196.1	196.5	197.4	199.7
120	202.6	203.3	204.5	207.7	211.7	212.5	213.9	214.5
144	215.8	216.2	217.2	218.6	220.7	220.7	221.3	223.9
168	227.3	227.1	227.6	225.9	226.2	227.1	228.6	230.1
192	232.6	236.7	239.7	237.1	235.3	233.9	233.1	230.8
216	229.2	224.5	220.4	218.5	217.2	213.8	211.1	207.9
240	205.3	205.1	205.3	206.4	208.1	205.4	203.4	200.8
264	198.7	197.5	196.8	192.3	188.6	189.1	190.2	189.5
288	189.4	188.6	188.3	187.8	187.7	190.1	193.0	195.3
312	198.2	198.2	198.7	199.1	200.1	201.3	203.1	199.9
336	197.3	194.9	193.5	191.0	188.6	189.4	190.8	190.8

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WALL RANGES VS DEPTH

DEPTH	2738.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	190.2	189.4	189.1	190.1	191.6	191.2	191.3	192.3
24	193.8	193.8	194.3	194.6	195.4	195.4	196.0	196.1
48	196.8	197.2	198.2	199.3	200.9	201.9	203.4	207.2
72	211.7	212.2	213.3	219.7	227.1	222.3	218.3	213.9
96	210.3	206.9	204.2	199.2	194.9	195.4	196.5	199.0
120	202.0	203.7	205.9	206.6	207.8	210.0	212.8	212.9
144	213.6	215.9	218.8	219.9	221.5	221.8	222.6	224.5
168	227.0	226.0	225.7	224.8	225.1	226.7	229.0	228.2
192	233.4	235.8	240.8	238.7	237.2	234.5	232.5	231.4
216	230.9	225.0	219.9	217.7	216.1	212.4	209.5	207.4
240	205.9	205.1	204.8	204.4	204.5	203.7	203.4	202.4
264	202.0	199.8	198.2	193.0	188.6	187.8	187.5	188.7
288	190.5	189.3	188.6	186.9	185.8	189.9	194.6	196.3
312	198.5	198.1	198.2	198.1	198.5	200.4	202.8	199.8
336	197.3	194.7	191.9	191.0	189.1	188.3	188.0	188.9

DEPTH	2747.9		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	189.7	189.0	188.8	189.7	191.0	190.6	190.8	190.8
24	191.3	192.4	194.1	193.7	193.8	194.1	194.9	196.1
48	197.9	196.8	196.3	198.3	200.9	201.6	202.9	205.2
72	208.1	210.8	214.1	217.9	222.4	219.3	216.9	213.0
96	209.7	205.4	201.8	197.7	194.3	194.3	194.9	198.0
120	201.8	202.6	204.0	206.5	209.7	211.5	213.9	212.6
144	211.9	214.1	216.9	218.9	221.5	221.4	221.8	223.8
168	226.5	224.7	223.5	224.2	223.7	226.6	230.1	228.6
192	228.4	234.1	238.0	236.3	235.3	234.4	234.2	232.6
216	231.7	228.2	225.4	218.6	212.8	210.9	209.7	208.6
240	208.1	204.9	202.3	204.1	206.4	203.9	202.0	200.8
264	200.1	196.9	194.3	192.7	191.6	189.3	187.5	188.0
288	189.1	188.7	188.8	188.2	188.0	191.4	195.4	196.0
312	197.1	196.4	196.3	197.9	200.1	201.3	203.1	200.5
336	198.5	194.8	193.5	191.1	190.5	189.3	188.6	188.9

DEPTH	2758.1		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.3	188.0	188.3	188.9	189.9	190.6	191.9	192.2
24	193.0	192.6	192.7	192.4	192.7	193.8	195.4	196.0
48	197.1	196.7	196.8	198.0	199.8	200.9	202.6	205.0
72	208.1	210.0	212.5	218.2	224.9	220.1	216.0	212.3
96	209.2	206.0	203.4	198.9	195.2	195.9	197.1	199.0
120	201.5	202.6	204.2	205.2	206.7	209.7	213.3	212.2
144	211.7	213.4	215.8	218.9	222.6	221.7	221.3	222.2
168	223.7	224.4	225.7	224.5	223.5	225.7	228.7	228.7
192	229.0	233.3	238.0	235.4	233.4	233.0	233.4	230.7
216	228.7	223.6	219.3	217.9	217.2	213.4	210.3	208.3
240	207.0	204.1	201.8	202.3	203.4	202.2	201.5	199.0
264	197.1	195.2	193.8	190.2	187.2	187.4	188.0	187.2
288	186.9	186.7	186.9	187.1	187.8	191.4	195.7	196.8
312	198.5	197.1	196.3	198.7	201.8	201.2	201.2	198.0
336	195.4	193.5	191.0	190.1	189.7	189.4	189.7	188.7

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WALL RANGES VS DEPTH

DEPTH	2767.9		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	187.4	188.4	189.9	190.1	190.8	190.4	190.5	191.1
24	192.3	192.2	192.7	193.2	194.2	194.1	194.5	195.2
48	196.4	196.9	197.9	198.3	199.2	201.2	203.8	205.1
72	206.9	208.8	211.3	215.7	221.0	220.0	219.7	213.2
96	207.6	204.6	202.3	198.7	195.8	195.5	195.8	197.6
120	200.1	200.8	202.0	204.8	208.2	209.9	212.2	211.9
144	212.2	212.6	213.5	216.1	219.4	220.8	222.8	222.5
168	222.8	224.2	226.2	224.5	225.3	226.0	227.5	227.9
192	228.1	233.3	239.6	236.3	233.7	232.3	231.5	229.5
216	228.1	224.1	220.9	218.4	216.5	213.1	210.4	208.5
240	207.3	205.1	203.5	203.4	203.8	204.3	205.4	201.2
264	197.6	195.2	193.3	190.3	188.0	187.7	188.0	187.3
288	187.1	186.5	186.4	185.4	184.9	187.8	191.4	194.2
312	197.6	196.9	196.7	197.2	198.2	200.9	204.2	201.2
336	198.9	193.2	190.2	189.1	187.4	187.0	187.1	187.0

DEPTH	2778.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	189.6	188.4	187.7	187.9	188.6	188.7	189.2	189.8
24	190.8	191.0	191.7	192.8	194.5	193.5	193.0	193.9
48	195.5	196.6	198.2	198.8	199.8	200.9	202.6	205.2
72	208.5	209.9	212.0	217.4	223.7	221.1	219.1	213.2
96	208.2	203.6	199.8	195.7	192.3	193.6	195.5	197.2
120	199.5	201.5	204.2	205.9	208.2	209.9	212.2	212.1
144	212.5	213.0	214.1	217.2	220.9	220.2	220.0	221.1
168	222.8	223.3	224.3	223.3	222.2	225.1	228.7	227.3
192	227.8	232.1	238.3	235.3	233.0	232.3	232.1	231.0
216	230.6	225.2	220.6	217.0	214.1	210.0	206.6	206.0
240	206.0	204.0	202.6	201.7	201.4	203.2	205.7	201.5
264	197.9	196.1	194.8	192.2	190.2	189.0	188.3	188.4
288	188.9	187.6	186.8	185.7	185.2	189.2	193.9	195.2
312	197.0	195.8	195.1	196.6	198.6	200.7	203.5	200.7
336	198.6	194.5	189.9	189.4	188.9	188.2	188.0	188.5

DEPTH	2788.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.3	188.5	189.2	188.8	188.9	188.7	188.9	190.4
24	192.3	191.6	191.4	191.3	191.7	192.5	193.9	194.7
48	196.1	195.0	194.5	195.9	197.9	198.7	200.1	203.8
72	208.2	209.3	211.0	215.4	220.6	218.0	216.1	211.9
96	208.5	203.0	198.2	196.3	194.8	194.4	194.5	197.5
120	201.0	201.8	203.2	204.9	207.3	209.0	211.3	210.5
144	210.4	212.5	215.3	217.8	220.9	220.8	221.2	221.2
168	221.9	221.9	222.5	223.0	224.3	224.2	224.7	229.8
192	227.8	231.8	236.1	235.2	234.9	232.9	231.5	228.7
216	226.5	222.9	220.0	218.9	218.4	213.4	209.1	207.1
240	205.7	204.0	202.9	201.7	201.0	202.8	205.1	201.2
264	197.9	196.4	195.5	192.5	190.2	188.0	186.4	187.0
288	188.0	186.5	185.5	184.6	184.3	186.6	189.6	192.0
312	195.1	195.8	197.0	196.7	197.0	199.8	203.2	198.8
336	195.1	193.5	192.0	189.8	189.6	188.2	187.4	187.6

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WALL RANGES VS DEPTH

DEPTH	2798.1		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.9	187.9	187.4	187.7	188.6	188.5	188.9	190.5
24	192.7	192.4	192.7	192.7	193.3	193.9	195.1	195.0
48	195.5	196.1	197.3	197.2	197.6	199.2	201.4	204.7
72	208.8	209.3	210.4	217.1	225.0	222.1	219.9	212.8
96	206.6	202.7	199.5	196.2	193.6	195.5	197.9	199.2
120	201.0	201.2	202.0	203.7	206.0	207.4	209.4	210.5
144	212.2	212.7	213.8	216.2	219.4	219.4	220.0	221.7
168	224.0	223.9	224.3	223.5	224.0	225.4	227.5	227.5
192	231.5	232.6	237.1	234.2	232.1	231.5	231.5	229.0
216	227.1	223.7	220.9	216.8	213.5	210.3	207.9	205.7
240	204.2	203.2	202.9	201.9	201.4	202.5	204.2	201.4
264	199.2	196.1	193.6	191.3	189.6	187.3	185.5	185.9
288	186.8	186.7	187.1	186.5	186.4	189.8	193.9	194.6
312	195.8	195.5	195.8	198.2	201.4	200.9	201.0	199.0
336	197.6	192.8	189.2	189.3	188.9	188.5	188.6	188.5

DEPTH	2808.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.6	188.0	188.0	188.9	190.4	189.5	189.2	189.1
24	189.5	191.0	193.0	192.0	191.6	192.6	194.2	194.0
48	194.2	194.1	194.5	195.6	197.2	198.7	200.8	203.4
72	206.5	209.0	212.2	216.4	221.5	218.3	215.8	211.6
96	208.2	204.2	200.8	196.3	192.5	192.6	193.3	195.7
120	198.7	200.1	202.0	204.4	207.4	208.6	210.4	209.6
144	209.5	211.7	214.6	217.1	220.2	220.5	221.4	221.4
168	222.0	222.0	222.6	222.3	223.5	223.2	223.5	230.0
192	231.0	233.4	235.5	233.5	232.2	231.7	231.9	228.7
216	226.2	223.8	222.0	218.8	216.2	212.7	209.8	207.1
240	205.0	203.1	201.7	202.0	202.9	203.7	205.0	201.2
264	198.1	196.7	195.7	192.0	188.9	186.8	185.3	186.1
288	187.4	187.0	187.1	185.0	183.5	188.3	193.9	194.0
312	194.5	194.6	195.1	193.5	192.5	194.9	197.8	196.7
336	196.2	192.9	190.5	188.4	188.3	188.2	188.6	188.3

DEPTH	2817.9		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.0	188.2	188.9	189.2	190.1	190.5	191.6	190.8
24	190.7	191.9	193.6	193.5	193.9	193.8	194.2	194.4
48	195.1	195.9	197.2	198.3	199.9	201.9	204.4	206.0
72	208.3	210.5	213.4	216.3	219.9	215.7	212.2	207.6
96	203.8	201.0	198.7	195.1	192.2	193.1	194.5	197.5
120	201.1	203.5	206.5	207.7	209.5	209.3	209.8	212.0
144	214.9	214.6	214.9	216.8	219.3	221.0	223.2	223.5
168	224.4	222.0	220.2	221.9	222.3	224.4	227.1	226.2
192	233.4	234.1	237.0	233.2	230.1	228.9	228.3	226.0
216	224.4	220.3	216.9	215.6	214.8	209.2	204.4	202.8
240	201.7	201.6	202.0	202.5	203.5	202.3	201.7	197.9
264	194.8	194.6	194.8	189.5	185.0	185.9	187.4	187.3
288	187.7	185.9	184.7	186.9	189.8	191.0	192.7	195.1
312	198.1	195.6	193.6	191.3	189.5	191.8	194.8	193.1
336	191.9	188.6	188.6	186.0	186.5	186.2	186.5	187.0

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DEPTH	2828.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	188.2	187.9	188.2	186.9	186.2	188.2	190.8	190.3
24	190.4	191.3	192.8	193.1	193.9	194.3	195.2	194.3
48	193.9	193.8	194.2	197.4	201.1	199.6	198.7	201.5
72	205.0	208.7	213.1	217.5	222.9	216.9	211.8	209.2
96	207.1	202.1	197.8	195.1	193.0	194.6	196.6	199.5
120	203.1	203.2	203.8	205.4	207.7	208.3	209.5	209.2
144	209.5	211.3	213.7	216.5	219.9	220.4	221.4	221.7
168	222.6	222.3	222.6	222.5	224.1	224.1	224.7	230.1
192	229.5	233.4	236.4	233.3	231.0	230.4	230.4	226.0
216	222.3	220.4	219.0	215.9	213.4	208.0	203.5	202.9
240	202.9	201.0	199.6	199.9	200.8	200.1	199.9	198.3
264	197.2	195.3	193.9	190.6	188.0	186.4	185.3	186.1
288	187.4	186.5	186.2	186.7	187.7	189.6	192.2	191.7
312	191.8	190.2	189.2	184.3	180.1	183.5	187.5	188.1
336	189.2	181.1	178.8	177.2	179.5	181.0	183.2	185.4

DEPTH	2837.9		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	166.5	168.7	171.5	169.6	168.3	173.2	179.0	175.6
24	172.7	174.4	176.6	179.3	182.5	187.6	193.6	194.6
48	196.0	196.8	198.1	199.9	202.3	194.5	187.7	192.2
72	197.5	198.1	199.3	203.0	207.4	205.6	204.4	200.1
96	196.5	195.1	194.2	195.4	197.2	197.7	198.7	201.5
120	205.0	204.9	205.3	207.1	209.5	211.1	213.4	213.7
144	214.6	217.4	220.8	219.5	218.7	220.2	222.3	221.9
168	222.0	221.9	222.3	222.6	223.2	227.2	231.9	226.0
192	234.0	233.3	235.8	232.3	229.5	229.5	230.1	226.8
216	224.1	217.4	211.6	207.0	203.2	203.2	203.8	201.7
240	200.2	199.0	198.4	198.9	199.9	196.6	193.9	192.3
264	191.2	188.0	185.5	186.4	187.8	187.3	187.4	185.8
288	184.8	185.1	185.9	178.3	171.8	174.2	177.2	175.9
312	175.1	173.9	173.1	165.9	159.6	159.1	159.0	163.8
336	169.5	168.7	166.8	163.5	162.9	162.3	162.1	164.0

DEPTH	2847.9		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	146.7	148.4	150.5	152.0	153.9	154.1	154.8	156.8
24	159.3	159.5	160.2	159.6	159.5	159.2	159.5	162.5
48	166.1	165.8	165.9	170.6	176.1	176.1	176.6	178.3
72	180.5	181.6	183.2	182.9	183.2	182.2	181.7	181.5
96	181.8	178.5	175.8	183.2	191.8	193.2	195.1	196.1
120	197.5	198.6	200.2	202.4	205.2	207.3	210.1	209.9
144	210.4	211.0	212.2	214.7	217.8	217.8	218.4	219.3
168	220.8	221.1	222.0	219.1	221.1	221.1	221.7	217.8
192	228.0	226.5	235.2	229.4	224.5	226.8	229.9	227.6
216	225.9	213.0	202.1	199.1	196.8	194.2	192.2	189.7
240	187.8	183.8	180.5	180.2	180.5	181.3	182.6	181.3
264	180.5	179.7	179.5	172.0	165.6	168.4	171.8	167.6
288	164.1	165.0	166.5	166.5	167.1	161.9	157.5	158.7
312	160.5	158.6	157.1	155.4	154.1	150.9	148.1	147.1
336	146.4	148.3	150.6	147.8	146.8	145.5	144.7	145.5

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DEPTH	2847.9		TILT	-20		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	93.5	93.1	93.0	92.6	92.3	94.4	96.9	98.2
24	99.8	100.5	101.4	102.3	103.4	102.9	102.5	102.5
48	102.8	103.8	105.0	106.4	108.0	108.4	109.1	108.3
72	107.8	108.4	109.3	109.8	110.5	110.3	110.5	108.3
96	106.4	106.5	106.8	107.2	107.9	110.2	113.0	114.3
120	115.9	116.6	117.7	122.0	127.1	127.7	128.6	132.0
144	135.9	139.9	144.5	145.8	147.5	147.7	148.4	148.4
168	148.7	145.3	142.6	146.6	151.1	146.4	142.5	141.1
192	141.6	141.0	139.5	137.6	136.1	135.6	135.4	134.8
216	134.5	133.0	131.8	130.1	128.9	127.8	127.0	116.9
240	110.9	107.2	104.0	106.5	109.3	109.7	110.3	110.8
264	111.6	109.8	108.2	105.5	103.2	104.1	105.3	104.9
288	104.8	104.0	103.4	103.2	103.2	101.9	101.0	99.9
312	99.1	95.7	92.8	94.1	95.7	93.6	91.9	92.5
336	93.5	93.6	93.5	94.9	95.1	96.6	98.5	95.8

DEPTH	2847.9		TILT	-25		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	91.0	91.8	92.8	90.2	88.0	87.4	87.1	90.2
24	93.7	94.5	95.7	96.5	97.5	96.2	95.1	96.3
48	97.8	98.0	98.5	99.6	101.0	102.0	103.4	103.2
72	103.2	103.2	103.4	102.9	102.6	101.7	101.0	101.1
96	101.4	100.5	99.8	99.7	99.8	101.0	102.5	104.2
120	106.2	108.1	110.3	112.5	115.0	117.3	120.0	121.4
144	123.2	122.5	122.0	128.9	136.8	137.1	137.7	137.3
168	137.1	133.5	130.4	137.6	144.4	139.0	133.9	131.1
192	128.6	130.3	129.1	128.6	128.4	127.5	127.0	125.2
216	123.7	123.5	123.5	119.8	118.0	113.2	109.1	104.3
240	100.0	100.9	102.1	101.2	100.5	101.7	103.2	102.4
264	101.9	100.5	99.4	98.4	97.7	97.0	96.5	96.6
288	96.9	96.8	96.9	95.5	94.1	94.2	94.5	94.1
312	93.9	92.6	91.6	90.7	90.1	90.2	90.6	89.1
336	87.8	88.2	89.0	89.5	91.2	90.4	89.8	90.3

DEPTH	2847.9		TILT	-30		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	84.5	86.6	89.0	86.3	83.9	82.8	81.9	83.1
24	84.5	88.0	92.0	92.3	92.8	92.2	91.8	92.1
48	92.6	91.8	91.2	92.9	94.9	95.2	95.7	96.2
72	96.9	96.4	96.2	96.4	96.9	96.7	96.6	95.7
96	95.1	94.3	93.7	92.6	91.6	94.4	97.5	98.9
120	100.7	101.9	103.4	104.9	106.7	108.3	110.3	112.4
144	114.8	116.0	117.5	120.7	122.7	127.8	133.7	131.3
168	129.3	131.7	134.5	138.7	136.5	136.3	136.3	126.9
192	124.3	123.1	122.7	121.8	121.1	119.5	117.7	116.8
216	116.2	114.9	113.8	108.3	103.4	101.3	98.5	98.0
240	97.7	96.0	94.6	93.9	93.4	95.1	97.1	96.9
264	96.9	94.3	92.1	93.4	94.9	94.6	94.6	94.6
288	94.9	93.0	91.4	90.9	90.6	89.7	89.0	87.8
312	86.9	85.9	85.1	84.9	84.9	84.6	84.5	84.8
336	85.3	84.4	84.9	83.9	82.7	83.5	84.5	84.4

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DEPTH	2847.9		TILT	-35		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	82.6	83.5	84.6	83.6	82.8	82.6	82.6	82.8
24	83.3	84.3	85.5	86.3	87.3	87.5	87.9	87.5
48	87.2	88.0	89.0	89.4	90.1	90.5	91.2	91.6
72	92.1	92.7	93.5	93.3	93.2	91.8	90.6	90.1
96	89.8	90.0	90.3	89.1	88.0	89.3	90.7	92.0
120	93.5	94.6	96.0	98.5	101.4	102.0	102.8	106.5
144	110.3	112.0	114.0	114.0	114.3	119.5	124.5	126.0
168	127.8	129.0	130.4	129.9	130.0	127.8	125.9	126.9
192	120.9	119.0	118.4	117.0	115.9	112.9	110.3	108.5
216	107.1	105.4	103.7	96.7	90.8	92.2	93.9	91.6
240	89.6	88.9	88.5	88.3	88.2	88.8	89.6	90.8
264	92.1	90.4	88.9	88.7	88.7	89.3	90.1	89.7
288	89.6	88.2	87.2	87.0	87.0	86.3	85.7	84.5
312	83.5	82.3	81.3	82.1	83.0	83.2	83.5	82.3
336	81.2	81.2	81.4	81.2	82.1	82.2	82.3	82.4

DEPTH	2847.9		TILT	-40		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	78.0	79.1	80.3	80.2	80.3	79.9	79.6	79.7
24	79.9	80.9	82.1	82.7	83.5	83.7	84.1	84.2
48	84.5	85.1	85.9	87.1	88.4	87.9	87.6	87.7
72	88.0	88.8	89.8	89.8	89.8	89.6	89.6	88.1
96	86.7	86.6	86.7	85.4	84.4	87.0	89.8	91.0
120	92.4	92.6	92.8	94.7	96.6	98.2	100.0	102.5
144	105.2	107.4	110.0	111.7	113.7	117.1	120.2	121.1
168	122.3	123.7	125.1	124.4	123.9	123.6	123.5	122.5
192	122.5	117.0	113.9	112.6	111.6	110.4	109.3	108.5
216	107.9	104.6	101.6	94.4	89.4	89.1	88.9	88.5
240	88.2	87.7	87.3	86.6	86.0	86.9	88.0	88.1
264	88.2	86.9	85.7	85.3	85.1	85.7	86.5	86.3
288	86.2	84.0	82.1	82.5	83.0	82.2	81.4	80.6
312	79.8	79.0	78.3	78.5	78.8	78.3	78.0	78.0
336	78.0	77.9	78.0	77.6	77.4	78.4	79.6	78.7

DEPTH	2847.9		TILT	-45		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.4	76.9	77.6	78.4	79.2	79.7	80.2	77.8
24	75.6	76.4	77.4	80.2	83.3	83.2	83.3	83.3
48	83.5	83.1	82.8	83.6	84.6	85.0	85.5	86.2
72	86.9	87.5	88.2	87.7	87.3	87.2	87.2	84.2
96	82.1	83.6	85.3	83.8	82.6	85.5	89.8	90.8
120	91.8	91.2	90.7	90.9	91.2	94.5	98.1	99.2
144	101.0	105.7	112.3	114.4	117.3	118.4	119.8	120.0
168	121.1	122.6	124.3	122.5	122.5	118.0	115.2	117.5
192	119.9	118.5	120.2	115.1	112.3	110.0	108.0	108.0
216	108.1	104.8	101.9	98.5	92.1	89.9	88.0	87.4
240	86.9	85.2	83.5	83.5	83.7	85.8	88.2	85.4
264	84.4	83.9	83.5	83.2	83.0	83.2	83.5	83.2
288	83.0	81.9	80.9	81.1	81.4	80.0	78.7	78.7
312	78.8	77.6	76.6	75.5	74.6	74.6	74.8	74.7
336	74.8	74.1	75.0	75.4	75.3	76.4	77.6	76.9

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DEPTH	2847.9		TILT	-48		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.5	77.0	77.5	78.1	78.7	78.6	78.5	76.2
24	74.1	75.7	77.5	79.7	81.5	81.7	82.0	81.4
48	81.0	80.9	81.0	82.4	83.9	84.1	84.5	84.8
72	85.3	85.3	85.3	85.3	85.3	84.8	84.5	83.1
96	81.8	83.3	84.9	82.7	80.5	84.5	88.9	90.5
120	92.3	91.5	90.8	91.8	92.8	94.0	95.7	98.3
144	101.2	104.4	110.1	113.2	116.5	115.3	114.3	114.8
168	115.6	116.6	117.8	117.0	116.6	113.6	110.7	112.7
192	114.9	114.0	115.7	111.5	109.2	107.5	105.7	105.6
216	105.7	103.1	103.7	101.0	98.6	92.8	90.4	88.5
240	86.9	85.6	84.4	83.9	83.6	84.4	85.3	83.2
264	81.4	81.7	82.2	81.7	81.4	82.2	83.1	82.0
288	81.0	80.1	78.3	79.8	81.4	78.5	76.0	76.0
312	76.0	75.1	74.3	74.9	75.6	75.8	76.0	73.7
336	71.6	73.0	71.2	74.3	74.7	75.6	76.5	76.5

DEPTH	2847.9		TILT	-51		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	78.5	77.1	76.3	77.2	78.5	78.2	78.0	76.4
24	75.0	76.9	79.5	80.7	82.0	81.6	81.3	80.9
48	80.5	80.0	79.6	79.5	79.6	82.1	84.9	84.6
72	84.5	84.6	84.9	84.6	84.5	84.2	84.0	83.5
96	83.1	83.3	83.6	84.4	85.4	86.1	86.9	88.6
120	90.8	90.4	90.1	90.4	90.8	92.5	94.3	96.4
144	99.2	104.2	110.1	112.7	115.5	112.4	109.6	110.1
168	110.8	111.4	133.3	111.6	111.5	109.1	106.7	108.6
192	110.6	109.1	111.8	108.9	109.1	106.8	104.7	101.3
216	99.9	98.1	96.3	94.5	92.8	90.4	86.4	85.4
240	84.5	84.6	84.9	84.0	83.1	84.0	84.9	82.8
264	80.9	81.3	81.8	81.1	80.5	82.4	84.4	81.0
288	78.0	79.4	81.0	80.9	80.9	77.9	75.6	75.3
312	75.2	74.7	74.3	73.6	73.0	74.4	76.0	75.8
336	75.5	74.7	75.0	74.1	76.5	76.9	77.5	78.0

DEPTH	2847.9		TILT	-54		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	78.0	77.1	76.3	77.3	78.5	78.5	78.5	76.7
24	75.0	77.4	80.0	80.4	80.9	80.9	80.9	79.8
48	78.7	80.2	81.8	80.6	79.6	80.9	82.2	83.1
72	84.0	84.2	84.5	84.0	83.6	82.2	80.9	81.7
96	82.7	83.1	83.6	83.7	84.0	84.4	84.9	87.0
120	89.3	89.3	89.3	89.3	89.3	91.7	93.8	96.6
144	99.5	105.3	111.9	112.9	114.1	109.6	105.5	106.0
168	106.7	106.8	228.1	107.0	107.1	105.2	103.3	105.0
192	106.8	104.8	108.4	104.9	109.1	106.4	103.7	99.5
216	94.6	93.4	92.1	91.4	90.8	88.4	85.9	85.6
240	85.4	82.8	80.5	80.9	81.5	82.9	84.4	84.1
264	83.9	83.6	83.4	82.4	81.5	82.0	82.7	78.1
288	74.1	79.5	85.9	81.9	78.3	76.4	74.7	74.9
312	75.2	72.1	69.0	68.9	69.0	72.7	75.6	75.3
336	75.0	75.7	76.0	74.1	73.9	75.5	78.5	78.2

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	2847.9		TILT	-57		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	77.4	77.1	76.9	77.4	78.0	78.5	79.0	77.3
24	75.7	78.2	81.0	81.4	82.0	82.2	82.5	80.7
48	79.0	79.5	80.0	79.7	79.5	80.7	82.0	82.6
72	84.9	84.9	85.0	84.3	83.6	83.2	82.9	81.7
96	80.5	80.4	80.5	82.1	83.6	83.8	84.0	85.1
120	86.2	87.3	88.4	89.4	91.3	93.2	95.3	97.2
144	99.2	105.9	113.6	114.9	116.3	108.6	102.0	102.5
168	103.1	103.0	103.4	103.1	103.4	101.9	100.4	102.0
192	103.7	101.1	246.9	102.0	104.2	103.9	104.8	98.6
216	96.8	91.9	88.4	88.4	88.4	87.1	85.9	85.2
240	84.4	82.9	81.5	82.4	83.4	83.9	84.4	85.4
264	86.4	85.1	83.9	82.8	82.0	82.4	82.9	78.2
288	74.1	79.2	84.9	81.3	76.5	76.2	76.0	74.2
312	72.5	71.6	69.9	70.8	72.1	73.6	75.2	76.3
336	77.5	75.1	77.5	74.5	71.6	72.3	73.1	75.1

DEPTH	2847.9		TILT	-60		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.9	76.9	76.9	77.6	78.2	78.2	78.2	77.3
24	76.5	78.2	80.0	80.1	80.4	80.6	81.0	79.1
48	77.4	78.0	78.7	78.5	78.3	78.2	78.3	82.0
72	84.8	84.8	84.9	83.3	81.8	81.2	80.7	80.1
96	79.5	81.3	83.9	84.2	84.4	83.7	83.1	83.8
120	84.5	85.8	86.7	88.7	90.8	92.3	93.8	96.0
144	98.3	102.3	106.6	107.6	108.6	103.5	99.0	99.5
168	341.8	99.8	99.9	99.8	100.1	99.0	98.0	99.5
192	101.0	98.2	249.3	98.9	103.2	98.9	98.6	95.4
216	91.5	89.7	88.0	87.0	86.2	86.5	86.9	83.4
240	84.9	82.0	82.5	81.9	81.5	82.7	83.9	85.4
264	86.9	85.9	84.9	83.1	81.4	81.9	82.5	78.6
288	74.6	79.2	82.5	81.5	80.5	78.6	76.9	73.8
312	71.0	70.4	69.9	73.3	77.0	76.5	76.0	76.3
336	76.5	73.8	71.2	73.7	73.8	73.6	73.4	75.1

DEPTH	2847.9		TILT	-62		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.9	76.9	76.9	77.7	78.5	78.1	77.8	77.1
24	76.5	78.0	79.6	79.7	79.7	79.3	79.1	78.9
48	78.7	78.9	79.1	78.7	78.3	79.4	80.9	82.8
72	84.9	84.9	84.9	83.7	82.4	82.0	81.6	82.7
96	83.9	84.6	85.4	85.1	84.9	83.8	82.7	83.5
120	84.5	85.0	85.3	87.7	90.4	91.4	94.3	95.5
144	96.8	101.9	107.6	106.1	104.7	100.8	97.2	97.7
168	98.3	97.9	97.8	97.8	98.2	97.4	258.2	98.0
192	99.4	96.8	95.3	96.9	100.2	96.5	92.9	91.9
216	90.2	88.7	87.4	86.6	85.9	84.5	83.1	81.1
240	78.0	79.3	79.6	80.4	81.4	82.4	83.4	83.4
264	83.4	84.2	84.9	82.9	81.0	80.9	80.9	79.2
288	76.5	79.4	81.7	81.0	80.5	79.3	78.7	74.2
312	70.1	70.1	70.1	72.9	76.0	76.4	76.9	77.7
336	78.5	75.6	71.2	72.7	73.8	73.6	73.4	75.1

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	2847.9		TILT	-64		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.9	77.1	77.4	78.1	79.1	79.5	80.0	77.8
24	76.6	78.1	80.0	79.7	79.5	79.8	80.2	81.0
48	82.0	80.5	79.1	79.1	79.1	80.6	82.2	82.8
72	83.4	83.7	84.4	83.8	83.2	82.9	82.6	83.0
96	83.4	83.5	83.8	83.6	83.4	83.4	83.4	84.0
120	84.6	85.0	85.4	86.6	87.9	90.0	91.3	93.0
144	94.8	104.1	115.5	107.9	101.2	98.3	95.7	96.2
168	96.7	96.2	95.9	96.1	96.5	95.9	95.3	96.7
192	261.3	96.2	258.7	96.6	95.5	94.3	91.5	90.8
216	90.1	87.5	85.8	84.7	83.6	83.5	83.1	80.8
240	78.7	79.1	79.6	81.4	83.4	83.8	84.4	83.6
264	83.9	83.7	83.4	82.9	82.5	82.1	81.8	79.8
288	77.9	79.4	81.0	81.2	81.5	80.0	78.7	76.6
312	74.1	72.5	71.1	73.7	76.5	77.1	77.8	78.0
336	78.4	77.8	77.2	76.9	74.7	74.7	74.7	75.8

DEPTH	2847.9		TILT	-66		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	78.7	78.9	79.1	79.1	79.1	79.7	80.2	78.8
24	77.4	79.1	81.0	81.4	82.0	81.9	82.0	81.9
48	82.0	81.7	81.4	81.4	81.5	82.0	82.5	82.7
72	82.9	83.5	84.0	83.7	83.4	83.6	83.7	84.1
96	84.5	84.4	84.5	84.4	84.4	84.6	84.9	84.9
120	84.9	84.9	84.9	86.1	87.4	88.0	88.4	88.6
144	88.9	99.7	113.6	105.4	98.3	96.2	94.3	94.8
168	95.4	94.8	94.3	94.9	95.1	95.4	94.2	95.5
192	96.8	96.0	92.4	95.5	96.4	92.4	91.1	90.6
216	90.2	86.9	84.5	85.1	85.8	84.4	83.1	81.9
240	80.4	81.8	84.9	84.2	83.6	83.8	84.0	82.8
264	81.4	80.9	80.5	81.3	82.1	82.3	82.6	81.1
288	79.5	79.2	79.0	79.5	80.0	79.2	78.5	78.2
312	78.0	75.8	74.3	75.4	76.5	77.1	78.2	79.6
336	81.0	79.3	78.7	78.9	78.7	78.9	79.1	78.9

DEPTH	2847.9		TILT	-68		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	79.5	79.9	80.4	80.8	81.6	80.9	80.5	80.4
24	80.4	80.9	81.7	82.2	82.8	83.4	84.1	83.9
48	83.7	83.4	83.1	82.9	82.8	82.3	81.9	82.9
72	83.9	84.8	85.7	85.1	84.5	84.7	84.8	85.1
96	85.4	85.6	85.8	85.4	85.1	85.2	85.4	85.5
120	85.7	85.8	85.9	86.4	86.7	87.9	89.1	88.7
144	88.4	91.9	95.7	95.7	95.7	94.5	93.4	93.7
168	94.1	93.8	92.9	94.4	92.3	94.8	96.2	94.5
192	95.7	95.4	93.2	94.4	93.5	90.7	87.8	88.3
216	88.7	86.8	83.9	84.8	85.7	84.5	83.4	83.3
240	83.4	84.2	85.1	84.9	84.7	84.7	84.7	83.5
264	82.4	82.5	82.5	82.8	83.1	83.1	83.1	82.0
288	81.0	80.8	80.7	80.4	80.2	79.9	79.6	79.5
312	79.5	78.2	77.1	77.4	77.7	78.3	78.9	80.0
336	81.3	80.2	79.5	79.7	81.0	80.0	79.2	79.3

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	2847.9		TILT	-70		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	80.7	81.0	81.4	80.9	80.4	80.7	81.1	81.7
24	82.4	82.7	83.1	82.9	82.7	83.5	84.4	84.2
48	84.1	83.6	83.1	83.7	84.4	84.2	84.1	84.6
72	85.1	85.6	86.4	86.4	86.4	86.7	87.1	86.7
96	86.3	86.8	87.2	86.3	85.4	85.7	86.0	86.3
120	86.6	86.9	87.2	87.4	87.5	87.1	86.6	87.4
144	88.1	89.4	90.8	90.2	89.6	91.5	93.5	92.3
168	91.1	93.2	93.2	94.0	93.7	93.8	95.6	94.0
192	94.7	94.6	94.1	94.0	90.8	89.7	86.3	86.8
216	87.2	86.2	85.3	85.1	85.0	84.6	84.3	84.2
240	84.1	84.4	84.7	85.2	86.1	85.9	85.7	86.1
264	86.4	85.5	84.8	84.6	84.3	84.4	84.4	84.1
288	83.7	83.1	82.4	82.6	82.7	82.4	82.1	81.7
312	81.4	80.5	79.7	79.3	79.5	79.2	79.2	79.5
336	79.8	79.7	79.5	79.6	79.9	80.0	80.2	80.4

DEPTH	2858.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	127.0	129.3	132.1	132.9	134.1	135.1	136.5	137.9
24	139.6	140.2	141.1	140.8	140.8	141.2	142.0	143.4
48	145.1	147.3	149.9	152.4	155.4	155.5	156.1	157.6
72	159.5	158.8	158.5	158.9	159.7	159.0	158.8	158.1
96	157.8	156.1	154.9	154.5	154.4	161.2	169.0	171.0
120	173.6	176.8	180.7	185.3	190.5	199.3	209.4	209.8
144	210.8	211.9	213.5	210.8	208.7	213.4	219.0	220.0
168	221.6	216.1	211.3	206.0	204.2	203.5	203.4	204.9
192	204.9	207.8	210.1	208.6	207.7	206.1	205.1	202.2
216	199.9	195.8	192.5	189.4	187.0	182.2	178.1	175.2
240	172.9	166.7	161.4	159.3	157.8	159.1	160.9	159.2
264	158.0	156.4	155.2	152.4	150.1	149.6	149.4	148.5
288	148.0	147.2	146.8	145.9	145.4	144.0	143.0	140.6
312	138.7	137.3	136.3	134.8	133.7	130.4	127.6	126.4
336	125.5	127.5	126.8	128.6	128.2	126.7	125.5	126.1

DEPTH	2868.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	112.1	112.2	112.6	115.5	118.8	120.1	121.7	122.4
24	123.4	124.4	125.7	125.1	124.8	124.7	124.9	125.9
48	127.3	129.2	131.6	132.3	133.4	134.3	135.6	138.6
72	142.3	140.0	138.2	138.2	138.4	141.2	144.4	140.2
96	136.5	135.5	134.9	135.8	137.2	141.6	146.8	151.5
120	156.9	157.3	158.0	165.8	174.8	176.1	177.9	183.0
144	188.9	189.2	190.0	188.6	187.7	189.5	192.0	191.5
168	191.6	189.7	188.4	186.8	181.7	184.0	186.8	185.0
192	189.2	186.6	189.2	188.6	188.4	185.3	182.8	180.4
216	178.6	174.9	171.9	169.1	166.8	160.9	155.9	155.0
240	154.5	149.1	144.4	140.2	136.5	138.4	140.6	139.2
264	138.2	138.0	138.2	135.9	134.0	133.5	133.4	132.1
288	131.0	129.8	128.9	127.4	126.2	126.3	126.8	125.5
312	124.6	122.5	120.8	115.4	110.8	111.8	113.2	112.3
336	111.8	110.5	112.1	110.4	109.8	108.6	107.8	109.8

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WALL RANGES VS DEPTH

DEPTH	2878.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	90.6	91.4	92.3	93.5	95.0	96.1	97.4	100.5
24	104.0	105.1	106.5	106.2	106.2	106.4	107.0	107.5
48	108.4	109.0	110.0	112.2	114.8	115.8	117.2	117.5
72	118.1	117.1	116.4	116.2	116.4	116.2	116.4	114.2
96	112.4	112.6	113.2	112.9	112.9	111.5	110.5	120.5
120	132.9	134.3	136.1	137.9	140.1	148.4	158.3	161.9
144	166.2	168.4	171.2	169.0	167.4	170.7	174.8	173.3
168	172.4	172.8	173.7	168.5	163.6	164.0	164.9	167.6
192	166.8	166.8	164.1	164.1	164.5	160.0	156.1	154.6
216	153.5	149.8	146.8	143.4	140.6	138.0	135.8	131.1
240	127.0	119.2	112.6	113.4	114.5	116.7	119.3	117.0
264	115.0	113.7	112.6	109.6	107.0	108.8	111.0	108.7
288	106.8	105.4	104.4	102.4	100.9	101.4	102.2	100.5
312	99.0	95.3	92.1	91.7	91.6	90.6	89.9	90.6
336	91.6	91.8	93.1	93.6	93.9	94.5	95.4	92.8

DEPTH	2888.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	80.7	81.5	82.6	78.2	74.5	73.0	71.7	76.6
24	82.4	85.3	88.0	89.6	91.5	88.9	86.8	88.0
48	89.6	90.8	92.2	93.4	94.9	96.2	97.8	99.1
72	100.7	99.9	99.4	99.3	99.4	98.7	98.2	96.1
96	94.4	94.8	95.6	94.7	94.2	98.4	103.3	105.5
120	108.0	109.5	111.3	119.5	129.3	131.6	134.3	139.2
144	144.8	148.7	153.2	154.9	157.1	155.8	154.9	157.1
168	159.9	157.4	155.4	152.9	162.0	155.6	150.0	147.5
192	149.2	147.6	148.5	144.6	141.4	140.3	139.7	139.9
216	140.5	139.7	139.2	131.0	124.0	122.9	122.2	110.1
240	96.9	96.3	96.1	97.2	98.7	98.5	98.5	99.3
264	100.4	97.9	95.8	94.5	93.4	92.7	92.2	93.5
288	95.1	92.9	91.0	87.7	85.5	85.5	85.8	85.3
312	85.0	81.9	79.3	80.1	81.2	81.6	82.1	78.7
336	75.7	76.3	76.6	76.1	79.0	79.8	80.7	80.6

DEPTH	2898.0		TILT	0		VOS	5974.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	64.4	65.5	66.8	66.3	66.1	65.1	64.4	64.6
24	65.1	66.8	68.7	70.3	72.1	72.6	73.3	72.4
48	71.8	73.8	76.2	77.6	79.3	79.4	79.7	80.1
72	80.7	81.8	83.2	82.9	82.9	81.2	79.7	78.8
96	78.1	77.7	77.6	76.8	76.1	78.0	80.2	84.1
120	88.2	91.6	95.6	97.0	98.8	104.6	111.3	113.8
144	116.9	124.3	133.1	136.3	140.3	140.5	141.0	141.2
168	141.7	136.0	130.9	138.3	147.0	137.9	130.2	129.4
192	129.0	129.0	129.7	125.8	122.5	123.6	125.1	120.7
216	116.9	115.4	114.3	110.3	104.4	91.4	84.3	82.6
240	81.2	79.1	77.3	76.0	74.9	77.6	80.7	80.7
264	80.9	76.9	73.5	74.3	75.3	76.0	76.9	76.8
288	76.9	74.1	71.3	71.3	71.6	70.8	70.1	66.5
312	63.4	62.1	61.0	61.4	62.0	61.8	61.7	61.0
336	60.5	60.4	60.9	59.7	58.6	62.2	66.3	65.2

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	2898.0		TILT	0		VOS	5975.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	64.4	65.5	66.8	66.3	66.1	65.1	64.4	64.6
24	65.1	66.8	68.7	70.3	72.1	72.6	73.3	72.4
48	71.8	73.8	76.2	77.6	79.3	79.4	79.7	80.1
72	80.7	81.8	83.2	82.9	82.9	81.2	79.7	78.8
96	78.1	77.7	77.6	76.8	76.1	78.0	80.2	84.1
120	88.2	91.6	95.6	97.0	98.8	104.6	111.3	113.8
144	116.9	124.3	133.1	136.3	140.3	140.5	141.0	141.2
168	141.7	136.0	130.9	138.3	147.0	137.9	130.2	129.4
192	129.0	129.0	129.7	125.8	122.5	123.6	125.1	120.7
216	116.9	115.4	114.3	110.3	104.4	91.4	84.3	82.6
240	81.2	79.1	77.3	76.0	74.9	77.6	80.7	80.7
264	80.9	76.9	73.5	74.3	75.3	76.0	76.9	76.8
288	76.9	74.1	71.3	71.3	71.6	70.8	70.1	66.5
312	63.4	62.1	61.0	61.4	62.0	61.8	61.7	61.0
336	60.5	60.4	60.9	59.7	58.6	62.2	66.3	65.2

DEPTH	2908.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	50.3	48.9	47.0	49.1	51.1	50.5	50.1	47.7
24	45.5	48.5	51.3	53.2	56.3	56.6	57.0	56.0
48	55.2	55.0	55.0	57.2	59.7	60.6	61.6	62.5
72	63.7	64.7	66.0	65.5	65.2	63.9	62.8	59.5
96	55.7	58.3	61.2	57.3	54.3	61.8	69.7	68.4
120	67.3	69.0	71.0	75.3	81.0	82.1	83.5	89.4
144	97.4	98.8	100.6	105.9	117.8	120.1	122.8	117.8
168	113.4	114.5	115.9	123.6	132.7	125.5	119.8	113.8
192	110.0	109.4	113.4	110.3	107.5	102.6	99.0	97.6
216	96.6	88.7	83.6	73.6	64.5	64.7	65.1	64.3
240	63.8	61.0	58.8	58.7	58.7	61.8	65.3	62.0
264	55.5	56.8	58.3	57.5	57.0	57.1	57.4	57.1
288	56.9	53.5	52.2	53.5	55.4	50.4	45.3	45.7
312	46.2	39.6	36.3	38.1	39.7	42.4	47.2	46.4
336	45.7	46.3	46.3	43.8	41.7	46.5	49.4	49.8

DEPTH	2918.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	33.6	33.7	34.0	34.6	35.2	35.7	36.3	34.4
24	31.9	35.1	38.3	38.6	39.1	38.2	36.9	37.0
48	37.3	37.2	37.1	36.6	36.3	37.7	39.0	42.2
72	47.9	48.4	49.1	47.9	46.8	43.9	40.6	39.7
96	39.0	41.2	43.1	44.4	46.2	46.7	47.4	52.7
120	59.1	58.1	57.3	58.3	59.5	63.2	66.9	71.3
144	75.2	80.4	85.9	87.1	88.5	95.9	106.5	108.7
168	111.3	117.3	124.4	118.3	114.3	114.2	114.3	107.1
192	99.2	95.4	92.8	91.8	91.1	87.5	84.4	83.3
216	82.5	79.3	76.5	70.0	67.5	59.6	50.3	49.2
240	36.6	45.0	43.1	44.4	45.9	47.2	48.7	47.7
264	46.8	46.7	46.6	44.6	42.5	43.1	43.9	37.7
288	34.5	37.9	49.8	43.6	39.2	37.8	35.9	33.3
312	31.6	31.2	30.8	30.5	30.2	32.8	34.4	34.6
336	34.9	34.5	34.2	33.9	34.1	34.1	34.2	33.9

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DEPTH	2923.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	28.6	29.2	29.8	30.6	31.2	30.7	30.0	29.9
24	29.8	30.7	31.4	32.4	33.6	33.5	33.6	33.6
48	33.6	33.3	33.2	33.0	33.0	33.7	34.9	35.2
72	35.6	40.3	40.4	38.2	36.6	36.2	35.9	36.3
96	36.9	37.1	37.5	40.5	40.3	38.5	37.0	38.1
120	39.3	41.0	45.8	49.1	51.2	53.6	56.9	61.0
144	64.9	74.9	81.5	83.7	86.2	90.4	96.3	98.7
168	101.4	103.4	105.9	105.7	104.1	101.4	99.1	99.7
192	96.4	90.2	84.9	83.6	82.6	80.4	78.5	77.9
216	77.6	74.0	46.9	44.8	42.8	39.2	36.3	33.5
240	31.9	33.5	34.4	35.5	36.8	37.5	38.3	37.9
264	32.7	32.4	32.2	32.9	33.8	34.2	34.7	32.5
288	30.9	30.5	30.2	29.8	29.3	29.1	29.0	28.6
312	28.3	27.9	27.6	27.1	26.7	26.9	26.7	26.8
336	26.9	29.1	27.6	27.4	27.8	28.1	28.5	28.5

DEPTH	2928.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	21.3	21.7	22.0	22.1	22.2	22.7	23.2	23.5
24	23.8	23.8	23.9	24.3	24.6	25.4	26.4	25.9
48	25.5	26.1	26.7	27.1	27.6	27.4	27.2	28.1
72	29.1	30.0	30.7	30.4	30.2	30.6	31.1	31.2
96	31.4	31.7	32.1	31.9	31.8	31.3	30.9	31.3
120	31.8	31.9	32.1	33.3	35.5	46.6	52.1	55.5
144	59.5	67.1	77.9	82.8	87.3	88.4	89.9	91.5
168	93.4	94.9	97.0	95.7	94.6	94.7	95.1	92.7
192	93.1	89.9	86.4	82.7	77.6	72.2	68.6	59.4
216	42.1	34.2	29.7	29.4	29.1	28.7	28.3	28.0
240	27.8	27.8	27.9	29.6	30.7	30.2	29.9	30.0
264	30.2	29.6	29.1	28.7	28.5	26.4	24.6	24.3
288	23.9	24.4	25.0	24.7	24.5	23.6	22.9	21.6
312	20.5	20.4	20.5	20.6	20.8	20.8	20.8	21.0
336	21.2	21.8	20.6	21.8	20.5	20.5	20.6	21.0

DEPTH	2933.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	17.5	18.1	18.7	19.2	19.8	20.1	20.4	20.3
24	20.3	20.8	21.5	21.5	21.7	22.0	22.4	22.8
48	23.2	22.7	22.2	22.5	22.9	23.1	23.4	23.0
72	22.7	24.5	26.7	25.8	25.0	24.6	24.3	24.8
96	25.3	26.1	26.9	26.9	26.9	26.6	26.3	26.7
120	27.2	27.3	27.4	27.4	27.4	26.9	26.5	26.1
144	25.7	26.0	26.3	27.0	27.8	27.2	26.8	84.2
168	87.0	88.0	89.2	89.8	89.2	67.4	49.3	63.7
192	82.0	53.4	37.3	62.5	68.9	29.5	27.1	26.8
216	26.5	25.5	24.6	23.8	23.1	22.5	22.0	21.2
240	20.6	21.5	22.6	22.9	23.4	24.5	25.8	26.0
264	26.2	25.7	25.2	23.2	21.5	21.5	21.5	21.2
288	21.0	20.2	19.6	20.1	20.6	20.4	20.1	18.8
312	17.7	18.0	18.4	18.5	18.6	18.1	17.8	17.3
336	16.8	18.3	18.9	18.7	18.9	18.1	17.4	17.4

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DEPTH	2938.1		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	13.9	14.3	14.8	16.6	18.8	19.4	20.0	20.8
24	21.6	21.3	21.1	20.9	20.7	19.5	18.5	19.3
48	20.3	20.7	21.2	21.8	22.5	21.0	19.7	19.9
72	20.1	21.7	23.7	23.8	24.1	24.0	24.1	23.8
96	23.5	23.7	24.0	24.1	24.3	24.9	25.6	25.5
120	25.6	24.9	24.3	23.9	23.7	23.8	24.0	21.1
144	18.9	21.2	24.2	24.2	24.3	23.8	23.4	24.6
168	24.1	25.8	26.1	29.4	27.2	27.4	24.8	27.0
192	21.8	28.7	22.9	28.4	23.7	23.6	23.5	23.8
216	24.1	22.4	21.0	20.6	20.3	17.9	16.1	16.9
240	17.8	18.2	18.7	20.4	22.4	22.3	22.2	22.6
264	23.1	23.0	23.0	20.8	19.1	19.2	19.4	18.2
288	17.1	15.8	14.8	17.0	19.9	18.6	17.6	16.9
312	16.3	16.0	15.8	15.7	15.5	15.3	15.1	14.0
336	13.1	15.5	16.3	16.7	16.6	15.6	14.8	14.3

DEPTH	2942.9		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.4	12.8	13.2	15.6	19.1	19.9	20.9	21.3
24	21.9	21.1	20.4	19.9	19.5	19.7	20.0	20.5
48	21.1	21.3	21.5	21.5	21.6	19.8	18.4	19.3
72	20.3	21.7	23.4	23.7	24.1	24.1	24.3	23.6
96	23.1	22.9	22.8	23.3	24.0	23.8	23.8	24.5
120	25.2	23.2	21.4	22.7	24.1	23.4	22.7	18.7
144	16.0	18.5	22.2	22.2	22.2	23.2	24.3	24.2
168	24.4	25.1	26.0	26.4	26.2	24.9	24.0	22.5
192	20.4	25.9	21.8	24.3	21.2	22.4	23.8	20.8
216	18.5	19.5	20.7	19.9	19.2	16.5	14.5	14.9
240	15.4	16.4	17.7	19.3	21.3	21.3	21.4	21.8
264	22.3	22.3	22.4	20.4	18.8	18.6	18.5	16.9
288	15.7	14.6	13.8	16.0	19.2	18.2	17.4	16.4
312	15.6	15.7	15.8	15.6	15.5	15.0	14.6	13.7
336	12.9	14.4	16.5	15.7	15.4	14.4	13.7	13.0

DEPTH	2948.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.6	13.3	14.1	16.6	20.2	20.1	20.1	20.6
24	21.2	20.5	20.0	19.7	19.4	19.3	19.2	20.2
48	21.3	21.5	21.7	20.9	20.2	18.9	17.7	20.0
72	22.9	23.6	24.3	24.5	24.8	25.0	25.3	24.3
96	23.5	22.6	21.9	22.3	22.8	23.3	24.0	23.5
120	23.6	23.0	21.9	22.0	22.2	20.1	18.4	16.2
144	14.5	17.8	23.1	23.0	22.9	23.3	23.7	24.1
168	24.1	24.5	25.3	25.3	24.9	24.0	22.7	20.7
192	19.0	19.8	21.0	20.5	21.2	21.7	22.3	19.6
216	17.6	18.3	19.1	19.4	19.7	16.8	14.6	15.2
240	16.0	16.6	17.3	18.9	20.9	21.4	22.0	22.0
264	22.1	22.0	22.0	20.2	18.8	18.8	18.8	18.0
288	17.3	15.5	14.1	16.1	18.8	18.3	17.9	16.9
312	16.1	16.4	16.7	15.8	15.1	14.7	14.5	13.0
336	11.8	13.3	15.7	15.3	14.8	14.4	14.0	13.2

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DEPTH	2952.9		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	13.6	15.1	17.1	18.7	20.6	20.5	20.4	20.3
24	20.4	19.8	19.4	19.6	19.9	20.0	20.2	20.9
48	21.7	21.5	21.6	21.7	21.9	19.9	18.2	21.2
72	24.5	24.2	23.9	24.4	25.0	24.8	24.7	24.5
96	24.4	22.2	20.9	21.6	22.4	21.8	21.6	22.4
120	23.8	22.8	22.0	22.0	22.0	17.5	14.5	14.9
144	15.5	18.2	22.6	22.4	22.3	22.3	22.2	23.4
168	24.6	24.3	24.4	24.3	23.5	23.1	22.6	20.1
192	18.1	18.9	19.0	19.6	19.5	20.4	21.4	18.7
216	16.7	17.2	17.9	18.5	19.2	16.4	14.4	14.5
240	14.5	15.3	16.1	18.7	22.3	21.8	22.3	22.5
264	22.7	22.9	23.2	21.9	19.1	18.5	18.0	17.6
288	17.3	15.7	14.3	15.9	18.0	17.4	17.0	17.1
312	17.1	16.3	15.6	15.6	15.6	15.1	14.6	13.2
336	12.1	13.0	13.7	14.5	14.3	14.6	14.9	14.2

DEPTH	2958.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	13.3	15.3	18.0	18.5	19.1	19.2	19.3	19.1
24	19.0	19.3	19.6	19.8	20.0	20.3	20.7	21.1
48	21.6	22.0	22.5	22.4	22.4	22.1	21.9	22.9
72	23.8	24.6	25.6	25.6	25.8	25.8	25.9	25.0
96	24.2	22.3	20.4	21.4	22.6	22.6	22.6	22.6
120	22.6	22.5	22.5	21.8	21.2	17.5	14.7	14.6
144	14.5	17.6	22.4	22.4	22.4	22.6	22.8	23.1
168	23.5	23.8	24.0	23.5	23.0	21.4	21.6	19.5
192	17.9	18.2	18.2	18.9	19.2	19.8	20.2	17.9
216	15.5	16.3	17.4	18.4	19.7	15.7	13.1	13.9
240	14.7	15.3	15.9	17.5	19.6	20.0	22.5	22.3
264	22.3	22.8	23.4	22.8	22.3	20.7	19.4	18.9
288	18.6	15.7	13.6	14.7	15.9	16.9	18.0	17.3
312	16.7	16.4	16.3	15.6	14.9	13.8	12.9	12.7
336	12.5	13.4	14.7	14.4	14.5	13.9	13.3	13.3

DEPTH	2963.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.8	14.4	16.6	17.8	19.1	19.3	19.6	19.6
24	19.8	19.9	20.0	20.3	20.6	21.2	21.9	21.5
48	21.1	21.2	21.4	21.6	21.8	22.4	23.2	23.4
72	23.8	24.5	25.4	25.3	25.4	25.0	25.3	25.8
96	26.4	23.3	21.8	22.6	23.5	22.6	21.8	21.2
120	20.6	21.0	21.6	21.7	21.8	17.0	14.6	14.5
144	14.5	17.1	22.5	22.2	21.9	22.1	22.3	23.1
168	23.4	23.4	23.6	23.0	22.7	20.5	18.0	18.2
192	17.1	17.8	18.4	18.4	19.0	19.4	20.0	18.3
216	16.3	16.6	17.0	17.5	18.2	15.0	12.8	13.6
240	14.5	15.1	15.8	16.2	16.6	19.1	21.7	21.3
264	20.7	21.5	22.2	21.7	21.8	20.6	19.7	18.2
288	17.2	15.5	14.1	14.1	14.1	15.8	17.9	17.6
312	17.3	15.9	14.7	14.7	14.7	14.0	13.3	12.9
336	12.6	13.0	14.7	14.6	14.8	14.1	13.5	13.2

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DEPTH	2968.1		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.7	14.8	17.3	18.0	18.8	19.0	19.2	19.2
24	19.2	19.5	19.6	19.8	20.1	20.7	21.4	21.6
48	22.0	22.0	22.0	22.1	22.2	22.4	22.6	22.8
72	23.1	23.7	24.4	24.3	24.4	24.7	25.0	25.2
96	25.4	23.2	19.6	21.0	22.6	21.5	20.5	19.9
120	19.4	19.8	20.5	20.0	20.7	17.2	13.4	13.3
144	13.2	19.5	22.2	21.3	20.5	24.5	27.3	25.6
168	24.8	24.7	24.3	22.7	20.5	20.1	19.8	27.8
192	15.3	18.1	17.7	20.5	17.3	17.5	17.7	17.8
216	17.9	16.3	15.1	16.4	17.3	16.0	13.6	12.9
240	12.3	12.9	13.6	14.9	16.6	18.6	20.5	20.6
264	20.7	21.2	21.8	21.8	21.8	21.0	20.2	18.7
288	16.8	15.5	14.0	13.6	13.2	14.2	15.5	16.8
312	18.6	16.5	14.7	15.8	17.3	14.3	12.1	11.6
336	11.2	13.1	12.5	14.0	14.3	13.6	13.0	12.8

DEPTH	2972.9		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	23.2	23.0	17.8	24.5	71.0	72.1	31.1	21.7
24	20.0	20.6	21.6	22.4	23.3	23.2	23.3	23.3
48	23.3	23.5	23.8	23.8	23.8	23.2	23.2	24.2
72	25.5	25.2	24.9	25.0	25.2	25.4	25.7	25.4
96	25.2	24.4	23.8	24.1	24.5	24.4	24.3	112.2
120	111.7	112.3	113.2	114.1	87.6	123.4	129.4	130.0
144	130.9	131.1	131.7	130.1	128.9	133.7	139.8	141.3
168	143.9	144.2	144.8	144.6	147.5	145.5	147.0	140.0
192	140.5	135.1	143.6	134.5	140.8	139.4	138.6	137.9
216	137.7	131.7	126.6	123.8	121.6	116.7	16.6	16.2
240	15.8	90.5	18.0	23.0	17.3	23.2	21.9	22.1
264	22.3	30.3	24.5	25.9	23.8	25.8	21.9	75.1
288	76.9	77.4	78.1	77.4	18.6	73.9	18.1	71.6
312	17.1	16.8	16.6	16.7	16.8	70.2	16.1	70.4
336	14.9	70.5	71.1	70.8	70.4	70.7	71.1	70.5

DEPTH	2978.0		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	70.9	71.4	72.1	72.3	72.8	73.9	75.2	74.4
24	73.8	70.7	68.0	68.0	68.2	68.3	68.5	68.1
48	68.0	68.0	68.2	71.1	74.0	75.0	76.2	76.6
72	77.1	76.9	76.9	78.1	79.7	80.6	81.8	87.8
96	94.9	94.5	94.4	94.5	94.9	101.0	106.9	108.7
120	111.2	112.6	114.4	116.7	119.4	123.5	128.3	129.4
144	130.9	130.9	131.3	130.0	129.0	132.3	136.2	138.7
168	143.8	144.1	144.9	146.3	147.9	146.4	145.6	143.2
192	140.7	140.6	144.9	140.7	139.9	138.8	138.1	135.6
216	133.6	129.9	126.8	124.1	121.6	118.6	116.0	109.2
240	102.8	97.4	94.4	89.7	86.7	82.3	78.6	76.5
264	74.7	75.0	75.4	75.5	75.7	74.5	73.5	75.2
288	77.1	76.8	76.7	75.4	74.4	73.3	72.3	70.8
312	69.4	69.8	70.2	70.1	70.2	70.2	70.4	70.3
336	70.4	71.4	72.8	71.9	71.7	71.1	70.7	70.7

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	2987.9		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	71.4	71.3	71.5	72.6	74.0	74.0	74.2	72.5
24	71.1	69.7	68.5	67.6	67.0	67.4	68.1	67.9
48	68.0	68.8	69.8	70.0	70.4	72.1	74.0	74.8
72	75.8	75.8	76.0	76.3	76.9	78.1	79.7	83.6
96	86.7	86.2	86.0	88.9	92.3	95.9	100.2	102.8
120	105.9	108.7	111.9	114.6	117.7	119.8	122.2	124.0
144	126.1	125.8	125.9	126.8	128.1	129.3	130.9	134.0
168	136.5	136.3	136.5	138.6	136.7	140.1	141.4	140.9
192	140.1	139.0	140.1	138.3	136.2	135.3	134.7	132.9
216	131.5	128.5	125.9	123.4	121.4	117.2	113.6	108.7
240	104.0	95.2	88.3	86.6	85.3	81.8	79.0	75.6
264	72.8	71.9	71.3	69.4	67.9	69.1	70.6	72.2
288	74.0	74.6	75.9	72.8	70.1	70.2	70.4	67.5
312	65.1	67.6	70.4	70.6	71.1	70.4	69.9	70.3
336	70.9	70.6	70.6	71.5	71.8	71.9	72.1	71.6

DEPTH	2997.9		TILT	0		VOS	5976.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	71.7	71.5	71.5	72.7	74.1	74.3	74.6	71.7
24	69.2	67.5	66.1	66.7	67.4	66.6	66.1	65.5
48	65.1	67.2	69.7	69.8	70.1	71.2	72.6	73.1
72	73.8	74.2	74.9	76.6	78.6	79.5	80.7	81.4
96	82.2	84.4	87.0	89.3	92.0	94.9	98.3	100.1
120	102.3	107.4	113.4	114.7	116.4	117.8	119.5	120.7
144	122.3	123.7	125.5	126.3	127.4	128.8	130.6	134.2
168	137.3	136.9	136.9	135.8	134.5	135.8	137.7	137.0
192	137.1	137.5	136.0	135.6	137.4	135.8	134.5	131.5
216	128.9	125.1	121.8	120.4	119.2	115.2	111.7	105.9
240	100.9	93.4	87.2	86.8	86.7	83.2	80.2	77.3
264	74.9	73.1	71.7	68.5	65.7	67.8	70.2	69.6
288	69.2	71.9	75.1	73.0	71.1	70.1	69.3	67.8
312	66.5	66.9	67.5	66.3	65.2	65.7	66.3	66.8
336	67.4	67.1	68.0	69.3	70.6	71.5	72.6	72.0

DEPTH	3008.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	74.4	74.5	74.8	75.1	75.6	74.7	74.0	70.9
24	68.3	67.3	66.5	65.9	65.5	64.6	63.9	64.5
48	65.3	65.1	65.1	66.5	68.2	69.1	70.2	71.2
72	72.4	72.5	72.8	75.6	78.9	78.5	78.3	78.8
96	79.5	81.2	83.3	86.5	90.3	93.5	97.2	99.0
120	101.1	105.8	111.4	113.4	115.7	115.9	116.5	118.8
144	121.6	122.0	122.8	123.6	124.8	127.6	130.9	132.4
168	134.2	135.3	136.8	134.4	133.8	134.1	134.4	134.3
192	133.2	136.9	135.4	135.9	136.0	133.8	131.9	130.5
216	129.5	124.4	120.0	117.1	114.6	111.6	109.0	102.8
240	97.6	94.1	91.1	86.8	83.1	82.1	81.3	79.8
264	78.5	76.2	74.2	71.0	68.3	68.5	68.9	69.3
288	69.8	71.7	74.0	71.9	70.2	70.7	71.4	69.6
312	68.1	69.1	70.4	68.2	66.3	66.9	67.7	67.6
336	67.7	67.3	67.5	69.5	72.2	72.7	73.4	73.8

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	42		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	72.6	72.5	72.6	72.8	72.3	72.2	72.3	73.2
24	74.3	72.5	70.9	71.8	72.9	73.2	73.7	73.0
48	72.3	71.8	71.5	71.1	70.9	70.6	70.4	70.7
72	71.2	70.6	70.1	69.5	69.0	68.8	68.7	68.5
96	68.4	68.5	68.7	68.8	69.0	68.8	68.8	69.3
120	70.1	70.2	70.3	70.3	70.3	72.2	74.4	76.3
144	78.5	79.1	79.9	86.0	93.3	98.4	104.3	106.1
168	108.5	109.4	110.4	111.2	114.1	110.6	112.4	108.5
192	105.5	104.0	104.3	98.8	95.6	85.1	76.8	77.6
216	78.6	76.1	73.9	73.0	72.3	71.9	70.1	71.0
240	72.0	70.9	69.8	70.4	71.2	71.7	72.3	71.8
264	71.5	71.1	71.5	71.8	72.3	71.6	70.9	71.6
288	72.3	72.4	72.6	72.2	72.9	71.7	72.3	72.1
312	72.0	72.5	73.2	73.7	74.3	73.7	75.1	73.2
336	74.6	72.2	71.5	72.1	72.6	72.3	72.0	72.8

DEPTH	3018.0		TILT	72		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	49.0	50.8	52.9	56.2	60.3	60.7	61.2	61.0
24	60.8	61.5	62.2	62.6	63.1	63.4	63.8	64.6
48	65.6	68.8	69.0	68.8	68.8	66.1	63.8	67.6
72	73.1	74.3	75.8	76.4	77.2	77.1	77.2	76.3
96	75.6	70.2	65.2	68.4	71.9	74.4	67.3	77.7
120	80.1	72.6	69.5	69.7	70.0	53.3	49.0	49.8
144	50.7	54.6	73.0	72.6	72.3	74.1	76.0	76.7
168	77.0	79.7	82.6	402.4	402.5	80.3	59.9	55.6
192	51.9	56.0	57.8	58.4	60.3	62.4	67.2	57.7
216	54.4	51.6	48.6	51.5	57.4	51.1	48.9	48.4
240	47.9	48.2	48.6	49.7	50.9	69.9	70.3	70.8
264	71.5	71.3	71.3	68.5	67.4	64.4	61.4	57.4
288	53.2	50.9	49.4	49.5	49.6	49.7	49.8	52.8
312	55.8	52.2	49.4	51.2	53.1	49.8	47.2	47.1
336	47.1	48.7	50.7	49.8	47.6	48.5	49.4	49.2

DEPTH	3018.0		TILT	69		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	50.4	50.8	51.3	51.8	52.4	52.6	52.9	52.7
24	52.6	53.3	54.7	55.7	56.7	56.9	57.0	58.7
48	57.4	58.0	58.5	59.0	59.5	60.6	61.7	63.2
72	65.6	65.4	65.1	65.8	66.5	66.5	66.5	66.5
96	66.5	62.2	59.2	61.1	63.1	62.8	57.0	56.7
120	52.6	53.8	54.7	59.3	50.0	49.1	48.2	49.5
144	50.9	53.2	61.3	60.8	60.3	61.0	61.6	63.1
168	64.6	65.9	66.3	64.4	62.6	57.0	53.7	54.6
192	52.3	52.8	50.7	55.8	49.8	49.8	49.8	50.4
216	51.1	49.6	48.2	48.7	49.2	48.6	48.0	48.0
240	48.0	48.0	48.2	48.1	48.1	51.1	62.2	58.1
264	55.8	59.3	64.2	62.1	55.8	55.4	54.7	52.4
288	51.0	49.5	48.0	48.1	48.2	49.1	48.4	48.9
312	47.9	47.9	48.0	48.0	48.1	48.3	48.3	48.6
336	49.0	48.6	49.2	49.8	49.5	49.9	50.4	50.4

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	66		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	51.1	49.7	49.9	49.9	50.8	50.7	50.6	49.7
24	48.4	49.3	50.0	50.2	50.5	51.3	52.2	52.3
48	52.4	52.6	52.9	52.9	52.9	53.9	54.9	55.5
72	56.1	57.2	58.3	61.5	59.2	61.6	61.5	61.8
96	62.2	55.4	52.6	52.4	52.2	52.4	52.6	51.6
120	50.6	51.8	53.1	51.4	49.8	51.6	53.5	53.5
144	53.6	53.9	54.3	54.0	53.7	55.2	57.2	57.3
168	58.4	57.2	55.9	55.5	54.0	54.6	55.3	54.4
192	55.3	53.9	53.6	52.9	54.5	53.0	51.6	52.0
216	52.4	51.2	50.1	50.3	50.5	49.6	48.4	48.6
240	48.8	49.3	49.8	50.1	50.5	49.7	50.2	50.6
264	51.1	51.7	52.2	52.9	53.6	51.8	50.2	50.0
288	49.8	50.3	50.9	49.8	48.6	49.9	50.5	49.8
312	48.4	48.7	49.0	49.3	49.6	49.6	50.0	49.8
336	49.5	50.5	50.2	50.0	49.9	50.3	50.6	50.8

DEPTH	3018.0		TILT	63		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	50.3	50.2	50.3	50.7	51.3	51.2	51.1	50.4
24	50.8	50.6	50.4	50.3	50.2	50.4	50.4	50.4
48	50.4	50.6	50.9	50.6	50.4	50.3	50.2	51.2
72	52.2	52.4	52.6	52.6	52.6	53.3	54.0	53.8
96	53.6	52.2	50.9	51.0	51.3	51.2	51.2	51.2
120	51.1	51.8	52.4	52.3	52.2	52.9	53.6	53.8
144	54.0	54.6	55.1	54.5	53.9	55.2	57.2	55.7
168	54.2	54.7	54.5	54.2	54.7	55.0	55.4	56.3
192	55.8	56.4	55.1	55.6	54.9	54.2	53.6	53.8
216	54.0	53.1	52.3	52.3	52.3	51.4	51.0	51.2
240	51.5	50.8	50.3	50.2	50.3	50.3	50.4	50.3
264	50.3	50.9	51.3	52.1	51.0	51.6	50.3	51.4
288	52.0	52.1	52.2	51.2	52.0	51.5	53.3	51.8
312	53.3	53.3	53.3	52.0	50.8	50.9	51.1	50.9
336	51.0	51.8	52.3	51.2	50.8	51.1	51.6	50.9

DEPTH	3018.0		TILT	60		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	52.7	52.7	52.7	52.4	51.8	51.8	51.8	51.9
24	51.4	51.6	51.8	50.9	50.0	50.9	51.8	51.6
48	51.4	52.0	52.7	51.8	50.9	50.5	50.0	50.5
72	50.9	50.5	50.0	50.2	50.5	50.7	50.9	50.9
96	50.9	50.9	50.9	51.1	51.4	51.8	52.2	52.2
120	51.8	52.4	53.1	53.6	54.0	54.2	54.5	55.1
144	55.8	56.0	56.2	57.9	59.8	57.7	55.8	57.4
168	56.2	56.0	54.0	57.3	58.0	56.9	55.8	57.2
192	57.6	58.6	57.6	58.1	56.2	56.4	56.7	56.7
216	56.7	56.4	56.2	55.3	54.5	54.3	54.0	53.6
240	53.1	53.3	53.6	52.7	51.8	52.0	52.2	52.0
264	51.8	52.0	51.8	51.6	51.4	51.6	51.8	52.0
288	52.2	52.2	52.2	52.7	52.7	53.0	52.7	53.8
312	54.5	53.5	52.7	52.5	52.2	52.5	52.2	52.6
336	52.7	52.9	54.9	53.3	51.8	52.2	52.7	52.3

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	57		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	53.6	53.1	52.7	54.7	55.3	54.6	54.0	54.7
24	57.1	55.3	53.6	53.8	54.0	53.5	53.1	53.1
48	53.1	53.1	53.1	52.7	52.4	53.8	55.3	54.9
72	54.5	53.3	52.2	52.7	53.1	53.1	53.1	53.1
96	53.1	53.5	54.0	53.8	53.6	53.8	54.0	54.6
120	55.3	55.5	55.8	56.6	57.6	58.0	58.4	58.8
144	59.3	60.8	62.4	70.6	81.5	71.9	64.5	63.6
168	63.5	61.3	59.7	62.2	63.7	59.6	56.3	59.1
192	59.3	62.1	60.8	61.3	60.7	60.7	60.8	60.5
216	60.3	59.0	57.8	58.0	58.3	56.6	55.8	56.2
240	56.7	56.0	55.3	55.1	54.9	54.7	54.5	53.3
264	52.2	53.6	54.5	54.7	54.9	55.5	56.2	55.5
288	54.9	54.4	54.0	54.0	52.7	54.4	54.9	55.7
312	55.3	56.4	57.6	56.2	54.9	54.9	54.9	55.0
336	54.7	54.9	55.3	55.4	54.0	54.0	54.0	53.9

DEPTH	3018.0		TILT	54		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	57.1	57.1	57.1	57.2	58.9	56.8	54.9	56.0
24	57.1	56.0	54.9	55.1	55.3	55.5	55.8	56.0
48	56.4	55.6	54.9	54.9	54.9	55.5	56.2	55.5
72	54.9	54.9	54.9	54.7	54.5	54.9	55.3	55.1
96	54.9	54.9	54.9	56.3	57.8	57.8	57.8	57.3
120	57.3	58.0	58.8	59.0	59.3	59.7	60.3	61.9
144	63.7	66.0	68.5	77.6	89.4	83.2	77.8	75.3
168	73.9	70.3	67.5	69.9	71.3	70.0	388.0	63.2
192	63.6	73.4	64.7	74.5	63.3	63.3	63.3	63.9
216	64.6	62.1	59.8	59.3	58.9	58.7	58.0	57.5
240	57.1	57.5	58.0	57.5	57.1	58.2	59.3	57.7
264	56.2	56.0	56.7	56.9	57.1	57.7	58.3	58.0
288	57.8	57.5	57.3	57.4	58.8	57.5	58.3	58.5
312	60.2	58.6	57.1	57.5	58.0	57.8	58.0	57.5
336	57.1	57.4	57.6	57.7	57.6	56.6	55.8	56.9

DEPTH	3018.0		TILT	52		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	60.4	60.3	60.4	60.0	59.9	59.3	60.4	59.4
24	58.6	57.4	56.4	57.1	57.9	57.7	57.5	58.1
48	58.8	58.2	57.7	58.2	58.8	58.5	58.1	58.3
72	58.6	58.3	58.1	57.4	56.8	56.9	57.0	56.7
96	56.5	57.3	58.1	58.8	59.5	59.2	59.0	59.5
120	59.5	60.9	62.6	62.5	62.6	63.4	64.3	65.8
144	67.4	70.3	73.6	81.5	91.5	90.9	90.3	86.0
168	83.1	78.1	74.1	76.3	77.6	79.1	77.8	73.5
192	67.0	77.8	71.8	78.2	69.5	68.0	66.7	65.9
216	65.1	63.3	61.6	61.6	61.6	60.7	60.0	60.0
240	60.0	59.8	59.6	59.0	58.5	58.6	58.8	59.0
264	59.2	58.7	58.4	58.6	58.8	59.2	59.7	60.0
288	60.4	60.1	59.9	60.3	61.2	60.3	59.5	60.5
312	60.4	60.8	61.2	60.8	60.4	59.9	59.7	59.6
336	60.4	59.0	59.9	59.7	59.9	59.9	59.9	59.7

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	50		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	62.1	62.1	62.1	62.4	63.0	62.5	62.4	61.7
24	61.2	59.5	58.0	59.4	60.8	60.1	59.5	59.9
48	60.4	59.6	59.0	59.6	60.3	60.1	59.9	59.3
72	58.8	59.2	59.6	59.4	59.2	59.0	58.8	59.8
96	60.8	59.9	59.0	59.4	59.9	60.5	61.2	61.5
120	62.1	63.2	64.3	64.1	64.0	65.1	66.4	67.6
144	68.9	71.6	74.6	83.1	93.9	100.4	108.4	100.3
168	95.0	87.8	82.2	84.3	85.2	90.5	92.7	89.6
192	83.1	80.2	107.5	81.0	69.5	69.6	69.9	67.4
216	65.2	64.7	64.3	63.9	63.6	62.7	61.2	61.2
240	61.2	61.2	61.2	60.6	60.0	60.2	60.4	60.8
264	61.2	61.1	61.2	61.4	61.7	61.4	61.2	61.3
288	61.5	61.5	61.6	62.3	63.2	63.1	62.1	62.4
312	61.5	62.5	63.6	63.1	62.6	62.5	61.7	62.2
336	61.7	61.4	61.2	61.6	61.8	61.8	61.8	62.0

DEPTH	3018.0		TILT	48		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	66.5	65.4	64.3	64.6	64.8	64.6	64.0	63.5
24	63.2	62.5	62.0	64.0	66.3	64.5	62.8	62.1
48	61.6	61.0	60.4	61.2	62.0	60.9	60.0	60.8
72	61.7	62.3	63.0	62.7	62.6	62.7	63.0	63.2
96	63.4	63.8	64.3	63.4	62.6	63.0	63.4	63.7
120	64.1	64.8	65.5	65.5	65.6	67.1	68.7	69.5
144	70.5	71.9	73.6	83.4	96.5	104.1	113.2	110.6
168	111.4	100.4	92.4	94.4	94.6	99.5	115.4	105.3
192	111.0	83.7	112.1	82.6	105.7	84.5	70.5	69.8
216	69.2	68.0	67.0	66.9	67.0	65.2	65.2	63.9
240	62.8	62.3	62.0	62.5	63.2	61.9	60.8	61.2
264	61.6	62.8	63.2	63.0	62.9	63.0	63.1	62.9
288	62.8	63.1	63.6	64.0	63.6	64.9	66.3	64.2
312	62.8	64.5	66.3	65.7	65.1	65.3	65.6	64.6
336	63.4	63.7	62.6	63.3	63.9	63.8	63.9	64.6

DEPTH	3018.0		TILT	45		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	68.7	68.4	68.1	68.3	69.2	67.7	66.3	65.9
24	65.6	66.2	67.0	67.2	67.6	67.5	67.6	67.4
48	67.3	66.9	66.7	66.2	65.9	65.7	65.6	65.5
72	65.6	64.8	64.2	64.7	65.3	64.8	64.5	65.0
96	65.6	65.4	65.3	64.7	64.2	64.7	65.3	66.4
120	67.6	67.5	67.6	67.4	67.3	70.5	74.1	74.4
144	74.9	76.2	77.7	84.4	92.7	99.3	107.1	109.6
168	110.7	111.5	114.1	101.8	114.0	107.7	112.5	110.7
192	110.4	98.1	106.8	91.5	96.7	83.8	74.0	74.2
216	74.6	72.2	70.1	69.8	69.5	68.7	68.4	67.6
240	67.0	67.0	67.0	66.5	66.2	66.1	66.2	66.2
264	66.4	66.3	66.6	65.8	65.0	65.7	66.4	66.5
288	66.7	66.7	66.7	66.9	65.9	67.1	67.6	67.4
312	68.1	67.9	67.8	68.5	69.3	69.6	70.0	68.6
336	67.3	67.1	67.3	67.2	67.3	67.5	67.8	68.6

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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	39		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	78.2	79.0	79.9	78.8	79.3	78.5	79.1	79.0
24	79.1	78.6	78.2	78.3	78.5	77.4	76.5	77.0
48	77.7	77.3	77.1	76.6	76.2	75.0	74.0	73.7
72	73.4	73.7	74.0	74.1	74.3	74.2	74.3	73.8
96	73.4	72.7	72.1	71.8	71.6	72.0	72.6	73.8
120	74.0	74.4	74.9	75.0	75.4	77.0	78.9	80.6
144	82.6	82.6	82.6	85.0	87.7	92.3	97.5	101.3
168	105.4	106.6	108.8	109.0	110.7	106.6	103.2	103.9
192	104.3	102.1	99.5	96.3	93.6	88.3	83.7	82.0
216	80.5	79.5	78.6	78.2	77.9	75.8	74.6	74.2
240	74.0	74.5	75.1	74.8	74.6	74.9	75.4	75.2
264	75.1	75.4	76.2	76.2	76.2	76.5	76.8	76.7
288	76.8	77.8	79.1	78.5	80.2	78.2	77.1	77.5
312	78.2	78.1	78.2	77.6	77.1	77.7	77.1	78.1
336	78.2	78.3	78.2	77.6	78.2	78.6	79.1	78.1

DEPTH	3018.0		TILT	36		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	83.8	83.9	84.1	83.0	84.7	83.1	85.2	83.9
24	82.7	81.2	79.9	80.1	80.5	82.4	84.7	81.7
48	79.1	80.6	82.4	82.8	83.4	82.7	82.1	81.5
72	81.0	80.7	80.5	80.2	80.2	79.4	78.8	79.0
96	79.3	79.5	79.9	79.6	79.4	79.1	78.9	79.1
120	81.4	80.0	78.8	80.5	82.4	83.0	83.8	85.4
144	87.2	86.7	86.3	88.2	90.3	93.0	96.2	98.3
168	99.5	101.8	104.3	104.9	104.6	103.8	100.0	99.9
192	97.5	102.7	97.3	97.2	91.1	89.5	88.0	87.7
216	87.5	85.2	83.3	82.8	82.4	80.2	79.9	79.7
240	79.6	80.4	81.3	80.8	80.5	79.7	79.1	79.3
264	79.6	79.9	79.9	80.8	81.9	82.1	82.4	82.5
288	82.7	82.8	83.0	84.1	84.4	83.0	83.8	82.2
312	83.5	83.2	83.0	82.6	82.4	81.4	83.5	82.0
336	83.5	81.1	83.0	81.9	83.8	83.7	83.8	82.4

DEPTH	3018.0		TILT	33		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	83.3	83.2	83.3	83.6	84.1	84.9	86.3	86.8
24	87.5	84.3	81.6	80.6	79.9	82.3	84.9	81.7
48	78.8	79.0	79.3	82.6	86.3	86.0	85.9	84.5
72	83.4	84.3	85.5	86.1	86.9	85.2	83.7	85.3
96	87.2	86.7	86.4	85.3	84.4	83.9	83.5	84.5
120	85.2	84.4	83.9	84.7	85.7	84.9	84.4	87.9
144	91.9	90.9	90.0	91.8	93.9	95.1	96.4	99.3
168	100.9	101.0	101.2	103.5	102.9	103.5	101.2	101.5
192	99.8	103.0	97.6	98.3	98.4	96.6	95.0	92.9
216	91.1	89.2	87.5	86.4	85.5	85.7	84.9	84.4
240	84.1	84.8	85.8	86.0	86.3	85.8	85.5	86.6
264	88.0	85.6	86.4	87.4	88.7	86.8	85.2	86.2
288	87.5	88.6	90.0	88.3	89.7	86.3	84.1	84.7
312	85.7	83.8	82.1	82.6	83.1	83.2	83.7	83.5
336	83.7	83.4	84.7	83.8	83.4	83.9	84.7	83.6

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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	30		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	81.3	81.5	81.9	82.4	83.1	84.2	85.4	84.9
24	84.7	81.3	78.3	78.2	78.3	77.5	76.8	76.9
48	77.1	77.8	78.8	82.0	86.1	86.7	87.5	88.6
72	89.9	89.9	90.0	90.3	90.8	89.3	88.0	91.3
96	95.0	94.5	94.2	93.4	92.8	91.4	90.3	92.2
120	92.2	91.6	91.1	91.6	92.2	93.0	93.9	96.3
144	99.0	98.2	97.7	98.8	100.1	101.0	102.2	103.1
168	105.0	105.5	106.2	106.8	106.0	107.6	106.2	106.4
192	106.0	106.1	104.3	103.9	102.6	100.9	99.5	97.4
216	95.6	95.6	95.9	94.9	94.2	94.0	93.9	93.7
240	93.6	93.0	92.5	93.4	94.5	92.1	90.0	88.6
264	87.5	86.8	86.3	86.8	87.5	86.9	86.6	86.9
288	87.5	88.6	89.9	89.3	88.9	85.7	83.0	81.5
312	80.2	80.3	80.7	80.8	81.0	80.9	80.9	80.9
336	81.0	82.2	83.1	82.5	82.2	81.6	81.3	81.2

DEPTH	3018.0		TILT	27		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	79.3	79.4	79.6	80.4	81.3	82.7	84.4	83.9
24	83.5	79.8	76.5	75.6	74.9	75.0	75.4	74.9
48	74.6	75.2	75.9	78.8	82.1	82.9	83.8	84.9
72	86.2	85.9	85.8	87.4	89.1	90.4	91.9	98.6
96	106.5	104.5	102.7	103.0	103.4	103.1	102.9	103.3
120	106.2	104.0	102.0	100.7	99.0	101.5	104.0	105.7
144	107.7	106.9	106.2	107.6	109.3	109.6	110.3	110.4
168	110.7	112.0	113.5	113.2	111.0	114.0	116.9	114.4
192	113.5	113.3	109.5	111.7	112.1	109.9	108.0	106.9
216	106.0	105.7	105.7	105.7	106.0	103.9	105.4	103.9
240	102.6	100.0	97.7	97.8	98.1	92.6	87.9	84.8
264	82.1	82.2	82.4	83.1	83.9	81.1	78.6	82.0
288	86.0	85.6	85.5	83.2	81.1	80.1	79.3	75.6
312	72.3	74.9	77.9	78.5	79.3	79.2	79.3	78.9
336	78.6	79.9	80.4	80.5	79.6	79.4	79.4	79.3

DEPTH	3018.0		TILT	24		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	77.4	77.6	77.9	79.1	80.5	80.8	81.3	79.3
24	77.7	76.1	74.7	73.8	73.1	73.6	74.3	74.2
48	74.3	75.0	76.0	77.2	78.6	79.7	80.9	82.0
72	83.3	82.7	82.4	83.0	83.9	85.8	88.0	95.6
96	105.1	107.3	109.9	109.5	109.3	113.4	118.0	115.1
120	118.3	119.3	120.6	114.5	116.9	114.7	117.7	116.9
144	116.3	117.4	118.8	119.0	119.5	120.3	121.4	120.7
168	120.6	122.4	124.6	120.6	116.6	120.2	124.6	124.6
192	122.8	120.8	122.8	119.7	120.8	120.9	121.3	116.7
216	112.7	115.4	118.6	115.4	112.7	114.4	115.5	112.2
240	109.3	105.7	102.6	98.0	92.4	87.4	83.1	81.0
264	79.1	78.7	78.5	76.1	74.1	75.4	77.0	79.2
288	81.6	81.1	80.7	78.3	76.1	76.3	76.6	73.7
312	71.2	73.8	76.9	76.8	76.9	76.3	75.9	76.4
336	77.1	77.3	80.5	79.1	78.9	78.3	77.9	77.5

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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	22		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.6	76.4	76.4	77.9	79.6	79.6	79.9	76.7
24	73.9	73.4	73.2	72.7	72.3	72.8	73.4	72.8
48	72.3	72.8	73.4	74.6	76.0	77.7	79.6	80.5
72	81.6	81.5	81.7	82.1	82.6	84.5	86.7	92.5
96	99.5	99.4	99.5	100.5	101.8	110.0	122.2	121.1
120	120.3	120.7	121.5	121.8	123.1	125.0	124.2	124.3
144	124.7	125.6	126.8	124.8	123.1	123.8	124.8	127.3
168	128.9	129.6	130.6	127.3	127.5	126.9	128.9	130.5
192	132.6	129.4	129.1	128.3	127.5	126.7	126.1	126.3
216	126.7	126.4	126.4	124.1	122.2	121.9	120.8	114.2
240	108.5	104.9	100.1	95.2	90.9	87.6	84.7	81.3
264	78.4	77.6	77.0	75.1	73.4	73.6	73.9	76.3
288	79.1	80.4	81.4	78.6	76.1	76.0	76.1	72.8
312	69.8	72.6	75.7	76.2	76.8	76.3	76.0	75.9
336	76.0	75.8	76.0	76.4	77.2	77.2	77.4	76.9

DEPTH	3018.0		TILT	20		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	75.4	75.7	76.1	77.0	78.1	78.3	78.6	76.2
24	74.1	71.7	69.6	70.3	71.2	70.7	70.4	69.9
48	69.5	71.2	73.2	74.2	75.4	76.4	77.7	78.4
72	79.3	79.5	79.9	80.8	81.9	83.1	84.5	89.5
96	97.8	94.2	90.9	94.3	98.2	104.5	112.0	115.1
120	118.3	119.5	121.2	124.0	127.3	131.3	138.5	136.0
144	134.0	133.8	134.0	135.2	136.8	136.5	136.5	136.0
168	136.0	136.2	136.8	138.0	142.4	137.7	136.8	137.0
192	137.6	139.3	132.9	136.7	139.9	139.1	138.8	141.3
216	144.4	138.2	132.9	131.6	130.6	126.9	123.6	116.1
240	110.2	100.6	92.8	91.2	89.9	87.0	84.1	81.3
264	78.9	77.6	76.6	74.7	73.2	73.2	73.4	75.5
288	77.9	80.0	82.4	78.7	75.4	74.8	74.3	72.8
312	71.5	71.4	71.5	72.5	73.7	73.1	72.6	71.4
336	70.4	73.0	74.1	75.0	75.9	75.8	75.9	75.5

DEPTH	3018.0		TILT	18		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.0	75.7	75.7	76.5	77.4	77.6	77.9	75.9
24	74.1	71.7	69.6	70.0	70.6	69.9	69.4	68.8
48	68.4	70.4	72.7	73.3	74.1	75.1	76.5	76.8
72	77.4	78.0	78.8	80.0	81.5	82.3	83.4	85.4
96	87.7	89.3	91.1	93.8	96.9	100.7	105.1	109.9
120	115.5	116.2	117.3	121.0	125.3	129.7	134.6	136.7
144	139.3	138.5	138.1	136.6	135.5	140.7	146.2	146.9
168	150.0	148.7	147.7	149.5	151.1	149.6	146.6	146.3
192	146.5	142.9	150.0	143.6	146.6	146.0	145.6	144.7
216	144.2	139.7	136.0	131.0	127.3	123.7	120.5	115.4
240	111.0	100.5	91.7	90.0	88.6	85.6	83.0	81.0
264	79.3	77.7	76.2	74.3	72.6	72.8	73.2	73.3
288	73.6	76.5	79.9	77.3	75.1	74.7	74.6	72.2
312	70.1	70.1	70.4	71.2	72.3	70.8	69.5	69.6
336	69.8	70.6	72.3	73.4	74.6	75.4	76.5	76.2

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WALL RANGES VS DEPTH

DEPTH	3018.0		TILT	15		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	74.3	73.5	72.9	74.6	76.6	76.8	77.1	74.0
24	71.3	69.0	67.1	67.5	68.1	67.9	67.8	68.0
48	68.4	69.4	70.6	71.4	72.3	73.7	75.4	75.7
72	76.3	76.7	77.4	79.1	81.1	82.0	83.1	84.5
96	86.2	87.6	89.4	93.1	97.3	99.9	102.9	105.7
120	109.0	112.2	115.8	118.6	121.9	124.1	126.7	129.2
144	132.0	131.9	132.0	131.6	131.5	134.6	138.2	140.9
168	143.0	146.3	150.3	151.2	153.1	151.3	150.3	147.8
192	145.7	145.0	147.7	145.1	143.5	141.5	139.9	138.9
216	138.2	133.0	128.6	127.5	126.7	122.4	118.6	111.2
240	105.4	96.9	89.9	89.4	89.2	85.7	82.6	79.8
264	77.4	75.7	74.4	72.7	71.2	71.7	72.4	71.3
288	70.3	73.7	77.7	75.5	73.6	72.6	71.8	70.0
312	68.6	69.4	70.4	69.1	68.1	68.1	68.3	68.2
336	68.3	69.1	68.8	71.3	72.9	73.8	74.9	74.5

DEPTH	3018.0		TILT	10		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	74.6	73.5	72.6	74.3	76.2	75.8	75.7	72.2
24	69.2	67.7	66.4	66.5	66.7	65.9	65.3	66.3
48	67.6	67.7	68.1	68.7	69.5	71.2	73.2	73.8
72	74.6	74.9	75.4	76.8	78.4	79.4	80.6	80.7
96	80.9	84.0	87.7	89.5	91.7	96.0	101.0	102.1
120	103.6	108.9	115.0	116.5	118.2	120.4	123.1	123.8
144	124.8	126.0	127.6	128.4	129.6	132.0	134.8	136.2
168	137.6	138.0	138.8	138.2	137.4	138.9	141.0	140.8
192	140.7	139.9	142.4	138.4	137.9	137.6	137.6	133.3
216	129.6	127.9	126.6	123.6	121.1	116.9	113.3	107.2
240	102.0	94.5	88.3	87.1	86.2	84.0	82.1	80.0
264	78.2	76.4	74.8	71.8	69.2	69.8	70.6	71.1
288	71.8	73.5	75.4	73.3	71.4	71.5	71.8	69.7
312	67.8	68.5	69.3	68.0	66.8	67.5	68.3	68.0
336	67.8	68.0	68.3	70.2	71.1	71.5	72.1	73.2

DEPTH	3018.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	73.4	73.4	73.6	74.4	75.4	75.6	76.0	73.1
24	70.6	67.9	65.6	65.4	65.3	65.5	65.8	64.6
48	63.6	64.1	64.8	65.6	66.6	67.4	68.3	69.4
72	70.6	71.4	72.4	73.7	75.4	76.4	77.7	78.6
96	79.9	81.4	83.3	86.9	91.1	92.9	94.9	98.5
120	102.6	107.0	112.0	113.0	114.3	114.7	115.5	118.2
144	121.4	122.3	123.6	125.1	127.0	127.9	129.2	132.4
168	134.8	133.8	133.1	133.9	135.1	134.3	134.4	133.8
192	132.6	134.3	136.1	135.6	137.4	134.2	131.6	130.3
216	129.3	121.6	115.0	113.7	112.8	108.8	105.4	102.5
240	100.1	93.5	88.0	85.8	83.8	80.1	76.8	75.3
264	74.0	72.5	71.2	69.7	68.4	67.6	67.1	69.4
288	72.0	71.7	71.6	70.9	70.4	70.5	70.9	70.3
312	69.8	69.6	69.5	68.7	68.1	67.5	67.1	67.7
336	68.6	68.8	69.1	69.5	70.6	71.5	72.6	72.9

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WALL RANGES VS DEPTH

DEPTH	3028.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	73.6	74.3	75.1	74.5	74.1	73.5	73.1	68.2
24	64.1	65.4	67.0	67.3	67.8	66.3	65.0	64.4
48	63.9	64.9	66.2	67.2	68.4	68.4	68.7	70.1
72	71.8	72.2	72.9	74.6	76.5	76.6	76.8	78.1
96	79.6	80.1	80.7	85.9	91.9	94.1	96.7	98.6
120	100.9	104.3	108.3	110.8	113.8	115.3	117.3	119.0
144	121.1	121.9	123.1	125.5	128.3	129.6	131.2	132.8
168	135.4	134.6	134.3	133.9	133.4	134.0	134.6	134.2
192	134.6	133.1	135.4	135.5	133.7	132.2	131.1	129.8
216	128.9	122.2	116.3	112.7	109.5	106.5	104.0	101.0
240	98.4	92.5	87.4	84.2	81.4	78.3	75.6	73.6
264	71.9	70.2	68.8	68.4	68.1	67.5	67.0	68.7
288	70.6	71.1	71.9	70.6	69.6	69.2	69.0	68.9
312	69.0	69.1	69.5	69.2	69.1	68.7	68.6	68.9
336	69.3	69.6	70.1	70.5	71.3	71.6	72.1	72.7

DEPTH	3038.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	75.4	75.7	76.2	76.1	76.2	72.3	69.0	67.7
24	66.7	66.8	67.0	66.8	66.7	64.5	62.6	62.9
48	63.3	64.8	66.4	66.2	66.2	67.0	68.1	69.1
72	70.4	71.1	72.0	72.8	73.7	74.1	74.6	75.0
96	75.6	76.9	78.4	83.0	88.4	90.7	93.4	97.5
120	102.3	104.9	107.9	110.6	113.8	114.9	116.3	118.5
144	121.1	121.7	122.5	125.2	128.3	129.7	131.6	132.8
168	133.9	133.8	133.6	133.0	132.7	133.5	134.9	133.6
192	132.6	133.6	134.0	133.1	133.4	132.0	131.1	128.0
216	125.3	117.7	111.0	109.5	108.3	104.5	101.2	99.3
240	97.7	92.9	88.9	84.9	81.6	79.9	78.5	76.7
264	75.1	72.0	69.3	68.4	67.6	67.7	68.1	69.0
288	70.1	71.2	72.6	71.8	71.2	70.1	69.2	68.9
312	68.7	68.4	68.4	70.1	72.0	71.2	70.6	71.8
336	73.2	70.8	70.9	71.1	72.0	72.5	73.2	74.2

DEPTH	3048.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	71.9	74.1	76.8	76.1	75.7	71.5	67.8	67.0
24	66.4	66.6	67.0	65.9	65.0	64.8	64.8	63.6
48	62.6	63.0	63.6	64.2	65.1	66.1	67.3	68.7
72	70.4	71.6	73.2	73.6	74.3	73.9	73.7	75.4
96	77.4	77.4	77.7	82.9	89.1	91.5	94.2	97.4
120	101.2	104.4	108.5	110.2	112.3	114.0	116.1	118.5
144	121.6	121.7	122.1	123.6	125.6	128.0	130.9	131.6
168	132.6	132.0	131.8	132.0	132.6	132.0	133.9	133.1
192	132.6	133.6	133.1	132.2	125.9	126.4	127.3	126.9
216	126.8	120.8	115.3	110.3	106.0	103.3	100.0	94.9
240	90.4	88.1	86.1	84.2	82.7	80.0	77.7	75.8
264	74.3	72.2	70.4	68.4	66.7	67.4	68.3	68.7
288	69.3	68.7	68.3	67.0	65.8	66.4	67.1	67.9
312	68.8	69.5	70.3	70.4	70.6	70.9	71.3	70.7
336	70.3	71.3	70.3	71.4	71.6	72.4	73.4	72.5

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WALL RANGES VS DEPTH

DEPTH	3058.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	73.6	74.7	76.1	74.1	72.4	69.5	67.1	67.0
24	67.1	66.6	66.3	65.1	64.1	64.0	64.1	64.5
48	65.0	65.1	65.3	65.5	65.9	66.6	67.6	69.1
72	70.9	71.9	73.2	73.1	73.2	73.2	73.4	73.8
96	74.3	74.5	74.8	79.6	85.2	87.5	91.7	95.3
120	99.5	103.3	107.7	109.7	112.0	112.7	114.4	117.6
144	121.4	121.6	122.1	123.4	125.2	127.6	130.6	130.8
168	131.3	130.2	129.5	128.3	127.4	127.2	128.1	128.1
192	129.5	129.1	132.0	127.1	126.1	126.4	127.1	126.4
216	126.1	122.3	119.0	109.4	101.5	98.7	96.0	91.2
240	87.2	86.7	85.9	84.0	82.4	80.2	78.4	76.5
264	74.9	71.7	69.0	67.7	66.7	66.8	67.0	68.2
288	69.6	69.1	68.8	69.1	69.5	69.0	68.7	68.4
312	68.3	69.4	70.6	71.2	72.1	71.9	71.9	71.6
336	71.6	71.6	71.6	72.3	73.4	72.4	71.6	72.5

DEPTH	3068.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	76.4	76.5	76.9	75.2	73.9	71.3	67.3	68.2
24	69.3	72.1	70.3	68.0	66.5	68.8	207.4	211.0
48	215.3	202.5	87.2	94.8	103.4	191.2	75.9	72.6
72	69.8	71.2	72.9	72.5	72.4	73.6	75.1	75.1
96	75.4	76.5	77.9	85.1	88.9	95.0	93.9	96.5
120	99.5	103.0	108.0	109.3	111.0	113.1	115.5	117.1
144	119.0	119.9	121.1	124.3	127.6	128.4	129.6	129.9
168	131.6	130.7	131.1	128.7	126.7	125.5	125.6	123.8
192	123.3	122.4	123.9	120.0	118.5	119.1	120.0	119.8
216	120.0	114.6	109.9	105.9	103.0	99.5	96.5	94.5
240	92.9	88.2	84.4	83.0	81.9	80.2	78.7	77.5
264	76.5	75.3	74.4	72.2	70.3	68.9	67.8	67.2
288	66.8	67.5	68.3	68.6	69.0	69.8	70.8	71.2
312	71.9	73.0	74.4	74.5	74.9	75.3	75.9	75.3
336	75.0	74.9	74.4	74.2	74.4	73.8	73.4	74.8

DEPTH	3073.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	161.2	163.1	165.4	166.8	168.8	171.0	173.8	174.6
24	175.9	179.4	183.6	187.1	191.3	198.3	206.3	210.0
48	214.4	217.6	221.5	229.6	239.0	244.8	252.9	205.6
72	177.3	182.7	188.9	179.0	162.2	169.7	166.0	173.5
96	182.2	180.6	179.4	178.8	178.7	185.0	192.9	185.9
120	180.0	173.8	168.5	135.9	121.6	118.3	115.5	119.2
144	123.6	122.1	121.1	122.9	125.1	126.4	128.1	129.4
168	131.1	131.3	132.1	128.3	125.5	123.3	120.6	119.6
192	117.5	118.2	118.0	116.6	115.5	112.0	109.0	112.5
216	116.5	114.0	111.9	120.7	136.8	133.9	100.5	96.7
240	93.4	93.6	87.9	83.6	79.9	79.4	78.4	78.0
264	77.9	235.2	280.3	267.7	256.8	244.9	238.5	230.0
288	222.6	212.6	203.9	196.9	190.8	186.5	182.8	178.7
312	175.3	172.0	169.3	155.7	138.0	146.7	157.0	154.6
336	152.7	151.5	157.0	156.9	158.1	158.6	159.6	160.2

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WALL RANGES VS DEPTH

DEPTH	3078.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	158.7	160.8	163.3	165.0	167.2	169.7	172.7	173.8
24	175.5	178.8	182.8	186.1	190.1	198.1	207.4	210.7
48	214.7	221.6	229.5	238.0	247.8	254.0	261.3	272.1
72	312.3	208.3	333.6	247.3	259.0	245.1	233.2	219.1
96	208.6	198.0	188.9	206.3	230.4	219.1	206.4	200.0
120	194.0	196.8	200.2	197.4	195.3	181.1	168.3	157.9
144	149.1	140.5	128.4	128.8	129.6	129.7	130.1	132.5
168	135.1	134.9	135.1	130.3	126.1	123.1	120.5	118.3
192	116.1	115.3	115.1	113.3	111.9	107.9	104.5	106.1
216	108.0	111.0	115.0	161.1	167.6	174.9	207.4	225.1
240	246.7	250.7	255.7	277.9	324.6	262.9	236.7	259.8
264	289.9	283.0	279.1	265.3	253.4	243.5	235.0	223.4
288	213.5	208.1	203.5	196.4	190.3	183.1	176.8	173.9
312	171.6	169.1	167.1	164.6	162.6	163.5	164.8	163.8
336	163.1	159.1	158.2	158.4	158.7	159.0	159.7	159.0

DEPTH	3083.0		TILT	0		VOS	5977.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	153.7	154.0	154.7	159.8	165.7	168.4	171.6	171.6
24	172.1	174.7	177.8	180.7	183.9	192.3	202.1	207.4
48	213.5	218.0	223.4	234.8	248.3	266.6	288.8	300.2
72	313.4	327.1	343.0	291.6	260.1	248.5	238.5	237.0
96	235.5	249.0	265.7	266.8	268.6	250.9	260.9	253.6
120	247.3	222.7	203.5	209.8	225.4	220.2	215.9	256.0
144	248.9	246.5	244.9	250.3	256.8	237.1	135.7	138.5
168	140.6	137.1	132.9	129.5	126.6	121.3	116.5	115.5
192	114.9	112.7	111.0	109.3	108.0	105.7	103.7	105.2
216	107.0	129.2	276.0	265.7	256.8	256.3	253.4	261.8
240	270.8	297.2	345.4	331.5	319.6	310.5	302.8	283.9
264	281.4	279.8	279.0	262.7	248.9	240.3	234.4	219.2
288	206.4	200.5	195.4	189.4	184.2	179.6	176.8	170.3
312	164.7	162.0	159.7	159.0	158.7	159.6	160.9	157.8
336	155.2	155.0	154.7	152.4	152.5	154.8	157.7	155.5

DEPTH	3088.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	144.2	146.8	150.0	155.6	162.0	158.2	155.0	159.7
24	165.3	170.7	177.0	177.5	178.5	185.7	193.8	200.2
48	207.6	210.1	213.3	226.9	243.0	256.5	285.2	293.0
72	302.2	316.1	332.3	283.6	248.0	243.2	239.3	257.3
96	279.2	273.5	268.8	252.3	238.3	240.5	249.1	270.0
120	295.6	283.3	272.6	254.5	256.7	248.3	241.0	244.2
144	248.1	243.8	240.4	247.8	256.4	239.3	224.8	220.9
168	217.2	213.6	182.9	210.7	127.5	123.8	120.6	116.1
192	112.5	111.5	110.8	111.4	112.3	108.9	105.9	106.2
216	106.7	264.4	264.4	254.4	245.7	244.0	251.0	247.7
240	261.3	265.4	270.3	262.7	256.1	276.4	301.1	238.5
264	218.4	229.5	263.8	233.8	239.8	224.6	211.8	206.3
288	201.5	193.3	189.9	183.8	178.5	174.7	171.6	164.6
312	158.6	157.4	156.6	154.7	153.3	150.4	148.1	147.2
336	146.6	147.3	148.3	145.7	143.4	147.1	151.5	147.6

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WALL RANGES VS DEPTH

DEPTH	3093.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	138.8	140.8	143.3	146.0	149.2	149.9	151.1	155.0
24	159.5	161.6	164.2	164.0	164.3	175.2	188.1	180.1
48	193.0	166.0	149.8	177.8	219.4	210.8	245.0	204.4
72	175.8	189.2	205.3	203.7	202.7	211.0	220.7	245.7
96	278.0	236.6	224.7	219.5	215.0	212.6	209.3	211.2
120	213.7	217.0	220.3	224.2	228.2	217.5	206.4	215.8
144	225.1	223.5	222.5	220.6	219.4	220.1	221.8	219.1
168	216.3	213.4	211.0	210.5	210.5	208.3	206.6	207.7
192	209.3	205.6	202.7	211.3	221.2	207.4	202.2	218.6
216	241.9	252.1	263.9	241.5	223.2	215.3	208.8	206.2
240	201.8	198.4	195.6	194.0	193.0	196.6	200.9	188.9
264	168.3	175.3	168.1	173.0	157.3	166.4	177.1	173.2
288	171.4	158.4	141.4	153.5	168.3	161.4	155.5	149.6
312	144.5	141.8	139.7	142.8	146.4	144.5	143.1	141.8
336	140.9	139.6	140.5	139.1	137.8	139.8	142.3	140.3

DEPTH	3098.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	121.6	121.4	121.6	122.2	123.2	124.9	127.1	136.4
24	147.6	141.9	137.0	132.3	128.3	126.7	125.5	126.9
48	128.7	128.0	127.8	126.7	126.0	127.0	128.3	129.4
72	130.9	136.7	143.6	147.0	151.6	154.1	157.1	158.4
96	160.2	164.2	168.9	172.9	177.6	184.2	185.7	186.5
120	187.8	191.5	196.1	201.0	203.6	202.5	202.1	204.1
144	206.8	206.9	207.6	209.9	212.9	215.8	219.0	216.6
168	215.5	212.0	209.3	207.9	207.1	207.0	207.5	207.5
192	208.0	204.1	200.9	199.5	198.7	192.5	186.1	187.2
216	188.8	193.0	197.8	187.1	178.0	175.7	165.0	169.6
240	171.5	165.9	161.1	150.5	142.9	145.6	148.5	139.4
264	125.5	125.8	126.4	119.9	113.3	119.9	126.9	121.4
288	116.8	116.7	117.1	123.0	130.0	130.0	130.4	126.4
312	122.9	124.3	126.0	126.7	127.8	128.9	129.1	128.3
336	127.8	126.5	126.7	123.9	119.0	118.8	119.0	120.1

DEPTH	3108.0		TILT	30		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	88.4	88.2	88.1	86.0	84.1	81.2	79.8	80.5
24	81.3	80.2	80.1	78.7	77.0	79.8	80.6	81.6
48	82.8	83.4	84.2	83.6	83.3	82.5	81.9	81.1
72	80.4	82.4	84.6	84.5	84.6	85.4	86.4	86.3
96	86.4	87.1	88.1	91.4	95.2	101.2	105.7	110.5
120	115.9	120.3	124.9	126.6	128.7	131.4	134.6	136.9
144	139.6	140.3	141.3	144.4	147.9	150.5	153.5	153.5
168	155.7	155.1	154.9	153.8	152.4	154.2	155.2	154.5
192	154.6	154.0	156.0	155.4	153.3	152.1	151.1	147.6
216	144.5	136.0	129.1	126.7	124.7	118.7	114.9	108.5
240	103.0	99.9	98.9	96.5	94.4	92.3	90.4	89.5
264	88.8	85.7	82.9	81.8	80.8	79.4	78.2	77.7
288	77.4	78.4	79.6	79.4	79.4	80.3	81.3	81.8
312	82.5	83.0	83.7	84.4	85.3	85.0	84.9	85.4
336	86.1	85.1	84.1	84.5	85.3	84.2	83.3	85.7

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WALL RANGES VS DEPTH

DEPTH	3108.0		TILT	27		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	86.5	87.1	87.9	85.9	84.1	83.4	82.8	82.3
24	81.9	86.0	90.8	86.6	82.9	87.5	88.4	89.7
48	91.2	90.4	89.9	89.7	89.6	88.7	86.4	87.6
72	89.0	89.6	90.3	89.6	89.0	88.5	88.1	87.1
96	86.4	87.4	88.6	91.7	96.5	99.4	102.6	106.7
120	111.5	116.2	121.6	123.8	126.3	127.9	129.9	132.9
144	136.2	136.0	136.2	139.7	143.7	145.3	147.2	148.4
168	150.4	149.4	147.2	147.9	148.9	149.6	151.0	149.8
192	148.9	149.4	149.8	148.9	145.6	146.1	146.8	144.1
216	141.9	135.2	129.6	121.2	114.1	110.6	107.9	102.6
240	97.9	96.8	95.9	93.2	90.8	89.3	88.1	86.7
264	85.5	84.9	84.6	84.5	84.6	84.3	84.2	83.4
288	82.8	83.4	84.2	85.6	87.2	86.5	85.9	84.5
312	83.3	85.1	87.3	88.5	90.0	87.9	86.1	85.0
336	84.1	85.6	84.5	85.3	84.1	83.8	83.7	85.0

DEPTH	3108.0		TILT	24		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	93.8	95.0	96.5	98.9	101.8	97.8	94.3	97.6
24	101.3	101.1	101.1	99.9	99.1	100.3	108.2	103.6
48	99.6	99.0	97.8	99.6	101.8	99.5	102.2	102.5
72	103.1	98.6	94.7	96.8	99.1	97.2	95.6	95.7
96	96.0	95.9	96.0	97.7	99.6	99.6	101.5	104.0
120	107.0	111.7	117.2	119.0	121.2	123.5	125.2	128.8
144	133.0	133.6	134.6	135.7	137.1	139.5	142.3	143.7
168	145.0	144.2	143.6	142.8	142.3	143.7	143.6	145.3
192	145.0	146.1	145.4	143.7	137.7	138.1	138.8	138.3
216	138.1	133.3	129.1	120.1	112.5	108.5	105.0	102.5
240	100.4	96.9	93.7	90.4	87.5	86.5	86.2	86.1
264	86.3	89.0	92.5	93.9	95.6	95.7	96.0	95.9
288	96.0	95.5	95.2	95.3	95.6	96.2	96.9	97.7
312	98.7	98.1	97.8	97.5	97.4	97.0	96.9	96.4
336	96.0	95.1	93.4	94.2	92.1	93.7	95.6	94.6

DEPTH	3108.0		TILT	21		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	109.3	112.3	115.9	115.6	115.7	115.5	115.7	117.3
24	119.4	118.1	117.2	115.3	113.7	115.4	119.0	117.3
48	116.1	114.4	115.9	113.5	111.5	113.7	116.3	115.9
72	115.9	115.7	115.9	111.5	107.8	106.8	106.2	105.8
96	105.7	106.3	107.1	107.6	108.4	109.7	111.3	111.0
120	110.9	111.4	112.1	113.9	116.1	118.4	121.2	124.9
144	129.1	128.9	129.1	131.2	133.8	136.5	139.7	139.9
168	140.6	139.4	138.6	137.0	135.8	135.6	135.4	136.5
192	137.0	137.7	143.6	135.0	132.2	134.0	136.1	133.3
216	130.9	122.7	115.7	112.9	110.1	107.5	105.2	102.3
240	99.8	98.1	98.2	93.0	88.6	94.0	100.5	100.1
264	100.0	101.0	101.8	100.3	99.1	100.7	102.6	103.5
288	104.6	105.8	107.4	109.4	111.9	112.4	113.2	111.3
312	109.7	110.4	111.5	108.6	106.2	106.9	107.9	107.4
336	107.1	107.6	111.5	109.1	111.0	107.9	105.3	107.1

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WALL RANGES VS DEPTH

DEPTH	3108.0		TILT	18		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	128.2	128.7	129.5	130.1	130.9	134.3	138.3	141.0
24	144.1	142.8	141.9	138.6	135.7	138.1	137.5	136.0
48	134.8	138.2	137.5	136.4	135.7	137.1	138.8	134.8
72	131.3	129.6	128.2	130.7	133.5	128.6	124.3	125.0
96	126.0	126.5	127.3	128.1	129.1	128.1	127.3	125.2
120	123.4	123.7	124.2	120.7	117.6	119.3	121.3	122.7
144	124.3	125.6	127.1	130.8	135.8	135.2	135.0	136.6
168	137.8	137.1	136.6	134.6	133.1	132.3	132.0	130.3
192	129.1	128.2	127.3	125.0	123.2	119.9	117.1	120.7
216	125.0	120.6	116.8	116.1	115.7	114.3	115.0	110.1
240	105.7	110.7	116.3	114.0	111.9	114.8	118.0	119.3
264	120.8	122.3	123.4	124.3	125.6	125.7	126.0	126.4
288	127.1	125.2	123.5	124.8	126.3	126.8	127.5	127.5
312	127.8	126.3	125.1	125.6	126.4	124.7	123.4	125.3
336	127.5	125.2	119.6	125.4	126.7	126.7	126.9	127.4

DEPTH	3108.0		TILT	15		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	148.9	155.4	163.0	160.2	157.9	163.9	170.9	167.1
24	163.9	169.2	175.2	166.5	159.1	165.8	182.7	180.9
48	179.6	172.0	186.3	184.4	183.1	171.3	161.3	168.3
72	176.4	173.6	171.3	165.8	161.0	154.1	148.0	158.8
96	171.8	164.5	158.2	151.8	146.3	148.7	151.6	152.3
120	153.5	144.9	137.5	135.8	132.2	127.3	123.2	127.9
144	133.4	131.0	129.1	130.1	131.4	131.9	132.8	134.1
168	135.6	135.7	136.2	132.8	129.5	127.4	125.5	122.5
192	120.4	119.7	119.6	117.5	115.7	111.4	107.7	109.2
216	110.9	114.7	118.5	128.0	135.8	135.6	135.7	139.8
240	144.5	150.1	156.7	157.7	159.1	156.2	153.8	149.6
264	146.0	150.7	159.5	154.6	150.4	151.0	152.0	154.0
288	156.4	149.6	143.6	148.5	154.2	152.9	152.0	151.1
312	150.7	149.9	149.6	142.6	136.6	137.8	139.3	141.7
336	144.5	146.6	157.3	146.3	151.2	150.2	149.6	149.1

DEPTH	3108.0		TILT	8		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	145.8	149.1	152.9	158.9	165.8	169.2	173.2	171.6
24	170.5	174.6	179.5	184.8	191.8	199.7	208.8	212.5
48	216.8	222.3	228.8	235.0	242.3	248.0	253.5	231.9
72	214.6	213.0	211.9	216.6	222.1	222.4	223.3	218.0
96	212.8	210.1	208.0	213.6	219.4	219.5	212.7	212.3
120	212.4	208.0	204.4	202.4	200.9	201.2	202.1	203.6
144	205.6	203.4	201.8	199.6	198.0	192.1	187.0	177.6
168	169.2	162.5	156.4	152.3	159.1	175.6	121.2	172.1
192	115.0	171.6	113.7	134.9	164.3	172.3	177.1	181.9
216	187.5	195.3	209.0	204.2	200.0	204.9	213.6	216.6
240	217.3	221.5	226.4	225.3	224.7	225.9	227.8	233.1
264	239.2	248.2	258.3	255.8	254.1	248.2	239.9	226.8
288	215.5	207.7	200.9	193.5	187.1	182.0	176.2	170.8
312	166.2	162.5	159.4	159.7	160.4	156.2	152.6	150.7
336	149.3	150.2	151.0	147.7	144.9	149.5	154.8	150.0

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DEPTH	3108.1		TILT	12		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	166.6	167.5	168.9	169.7	171.0	172.7	174.8	176.9
24	179.6	182.6	186.3	189.7	193.8	194.9	202.7	201.0
48	200.0	201.1	194.3	194.7	195.6	193.3	191.7	183.7
72	176.8	175.4	174.4	171.1	171.7	169.5	169.0	175.2
96	182.4	181.3	180.8	179.3	178.4	181.7	185.7	181.1
120	177.2	173.9	171.3	166.1	163.9	158.3	153.5	150.9
144	148.8	144.0	141.7	140.5	139.7	137.1	135.0	136.8
168	138.8	138.9	139.7	134.1	129.1	123.8	119.2	117.7
192	116.4	114.7	113.3	111.8	110.5	108.7	107.2	108.0
216	109.2	128.3	149.8	146.7	148.8	152.9	157.7	161.8
240	166.5	168.0	170.1	175.1	181.1	185.6	191.0	190.4
264	190.3	186.4	196.5	195.1	194.3	188.3	183.3	185.6
288	188.6	196.1	204.9	197.8	191.8	185.6	180.4	176.9
312	174.0	172.6	171.7	166.2	163.5	163.4	163.8	162.9
336	162.6	159.5	159.8	160.8	161.7	163.4	165.7	165.9

DEPTH	3108.1		TILT	10		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	160.2	162.4	165.2	167.1	169.6	172.2	175.3	176.8
24	178.8	182.7	187.2	190.6	194.6	201.3	209.2	214.8
48	221.4	217.0	213.2	212.8	212.8	218.6	225.1	205.5
72	187.2	189.6	192.5	190.1	188.1	190.7	193.9	192.3
96	191.2	190.1	189.5	187.9	186.8	193.3	199.6	192.5
120	186.4	182.0	177.6	179.2	180.6	176.1	172.2	169.5
144	167.2	157.9	149.8	150.5	151.2	152.7	145.4	143.5
168	144.0	142.7	140.9	133.3	126.7	123.5	120.8	117.3
192	114.1	113.2	112.7	114.2	116.1	113.2	110.6	109.8
216	109.3	134.3	166.1	169.0	172.5	174.4	176.7	176.1
240	175.8	183.0	191.2	198.8	207.5	208.6	210.2	206.3
264	203.1	213.8	215.9	216.1	216.8	213.6	211.0	212.8
288	215.1	210.7	207.1	199.8	193.6	186.1	179.6	176.7
312	174.5	171.5	169.3	166.8	164.8	165.3	166.4	164.3
336	162.7	161.1	158.8	158.7	162.6	162.1	162.1	161.0

DEPTH	3108.1		TILT	6		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	137.0	140.3	144.2	147.3	150.9	151.7	152.9	157.7
24	163.3	164.8	166.9	168.5	170.6	182.8	197.9	205.4
48	214.0	217.8	222.3	235.5	250.8	268.6	290.1	287.6
72	287.0	285.7	285.4	280.8	262.3	250.5	240.3	238.7
96	238.2	244.0	250.5	249.2	248.7	247.3	262.5	254.1
120	247.0	225.8	208.1	221.2	231.1	245.2	262.0	247.5
144	243.7	244.5	246.1	248.9	252.7	238.6	226.0	219.7
168	216.9	214.5	211.5	211.0	211.0	205.7	201.3	206.1
192	211.1	208.7	206.6	215.4	225.6	225.0	234.3	254.7
216	280.0	250.4	272.0	267.2	263.4	252.7	255.0	256.2
240	273.4	274.7	277.0	285.3	291.5	277.8	258.3	272.7
264	288.9	285.0	280.4	265.4	252.7	242.5	231.8	216.6
288	203.8	196.6	183.6	180.0	176.9	168.9	161.9	156.2
312	151.2	141.9	148.9	143.5	147.5	145.5	143.9	142.0
336	138.2	139.6	138.5	138.3	137.8	140.1	142.9	139.7

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DEPTH	3108.1		TILT	5		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	124.8	125.2	125.8	135.4	146.9	148.8	151.2	153.0
24	155.2	159.4	164.2	157.6	151.7	176.3	129.8	196.6
48	202.9	161.8	128.8	216.3	128.2	265.5	290.1	301.2
72	314.0	324.3	336.2	292.9	253.9	246.5	240.0	248.6
96	258.5	262.7	267.8	257.9	249.3	246.5	261.7	257.6
120	254.3	246.6	240.0	248.0	247.6	253.3	260.0	260.5
144	261.7	253.4	246.3	251.5	257.5	240.2	225.6	221.7
168	218.6	214.2	211.4	212.1	213.5	207.8	202.9	206.8
192	211.4	207.3	203.9	213.6	224.8	219.9	235.0	255.5
216	280.7	274.9	278.4	263.6	251.0	253.2	255.0	260.5
240	273.0	293.3	310.6	316.6	324.0	307.2	293.0	261.0
264	143.5	151.1	139.5	130.6	113.5	124.1	138.9	152.7
288	118.4	137.9	117.5	135.9	161.4	151.5	143.0	135.1
312	128.1	128.7	129.5	136.6	144.9	139.0	139.5	134.4
336	129.8	130.7	134.5	126.7	121.6	121.7	122.1	123.3

DEPTH	3108.1		TILT	4		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	116.9	117.7	118.8	120.0	121.5	122.0	122.8	125.3
24	127.8	128.0	126.2	126.2	126.5	125.7	125.2	125.7
48	126.5	125.5	124.8	124.4	124.2	125.0	126.2	127.9
72	130.1	135.3	141.2	156.1	171.2	166.6	158.2	252.4
96	159.5	269.3	240.6	227.2	215.4	210.7	206.9	209.9
120	213.4	222.7	234.9	231.4	237.4	219.2	206.5	216.6
144	230.4	227.7	225.5	224.9	224.6	221.5	222.7	219.7
168	216.9	213.8	211.4	210.8	210.8	208.6	206.9	207.7
192	209.0	205.6	202.8	211.6	222.0	206.6	193.6	221.2
216	252.9	258.5	264.9	250.4	238.0	216.7	199.2	197.7
240	192.3	180.0	169.2	154.7	140.5	153.3	169.2	136.6
264	123.8	119.8	116.3	113.3	110.6	112.9	115.4	114.8
288	114.5	115.4	116.6	117.4	118.4	118.4	118.5	119.4
312	120.5	121.8	123.5	122.9	122.5	123.1	120.5	123.1
336	120.5	123.3	122.5	120.8	117.2	116.7	116.5	116.6

DEPTH	3108.1		TILT	3		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	115.8	115.9	116.4	117.0	118.0	120.2	122.8	124.0
24	125.6	124.2	123.1	120.8	118.9	120.8	123.1	122.1
48	121.4	122.5	123.9	123.5	123.4	121.9	120.8	123.9
72	127.6	130.9	134.9	141.6	149.7	152.1	155.0	155.9
96	157.3	161.5	166.5	171.7	177.8	182.2	183.8	184.8
120	186.4	191.5	197.6	202.2	207.8	205.5	203.9	205.2
144	207.2	208.6	210.7	211.7	213.2	216.4	219.8	217.8
168	216.0	212.6	209.9	208.6	207.9	207.5	207.6	207.7
192	208.3	204.5	201.3	200.8	201.0	192.7	185.6	185.0
216	184.8	181.3	178.3	175.7	173.5	170.1	164.8	161.9
240	162.0	156.4	151.7	145.0	139.3	130.2	122.5	119.8
264	117.5	113.5	110.2	109.1	108.3	110.3	112.8	112.9
288	113.3	113.3	113.5	114.4	115.6	115.5	115.8	117.3
312	119.2	119.4	120.0	120.0	120.3	120.5	120.3	119.8
336	119.6	119.8	119.8	118.6	116.1	115.2	114.7	115.1

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DEPTH	3108.1		TILT	2		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	114.7	115.1	115.8	116.2	116.9	118.9	121.4	122.1
24	123.1	122.4	122.1	119.3	116.9	119.2	121.8	120.8
48	120.1	121.6	123.6	123.0	122.8	121.8	121.1	122.5
72	124.3	124.7	125.3	130.3	136.1	141.5	147.7	149.7
96	152.2	151.0	150.3	157.5	166.0	172.6	178.6	178.4
120	178.8	186.6	195.7	197.8	197.7	195.2	193.4	199.1
144	205.8	202.5	199.9	205.9	213.0	212.8	213.5	213.6
168	212.6	210.0	208.0	206.3	205.2	203.1	201.7	202.9
192	204.7	202.7	201.4	197.7	194.6	189.6	184.3	184.3
216	184.8	180.1	176.1	173.7	171.8	165.6	160.1	156.8
240	154.2	148.1	142.9	136.6	131.1	124.2	118.3	115.0
264	112.1	109.1	106.5	105.7	105.1	108.0	111.3	111.9
288	112.8	113.5	114.5	114.1	114.0	113.3	112.8	115.2
312	118.0	118.0	118.3	118.8	119.7	119.6	119.7	118.5
336	119.4	118.9	120.0	117.3	116.9	115.2	113.8	114.1

DEPTH	3108.1		TILT	1		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	111.3	111.9	112.7	114.1	115.8	117.2	118.9	119.3
24	120.0	120.1	120.6	117.8	115.5	118.2	121.4	120.7
48	120.3	120.7	121.4	121.2	121.4	121.4	121.7	121.4
72	121.4	122.6	124.2	128.5	133.4	137.7	142.7	144.8
96	147.4	148.4	149.7	155.9	163.2	168.4	176.3	175.1
120	174.3	183.8	194.9	191.8	189.6	189.5	189.9	193.1
144	197.1	197.9	199.3	201.3	203.8	206.3	210.8	209.5
168	208.2	206.1	204.7	203.4	202.7	200.7	199.4	201.7
192	204.7	202.8	201.7	196.3	191.7	186.7	182.3	182.6
216	183.3	179.4	176.1	172.0	168.5	162.9	159.0	153.3
240	149.9	144.7	140.2	135.5	131.5	123.0	115.8	113.1
264	110.7	107.0	103.7	102.9	102.3	106.2	110.7	111.3
288	112.1	112.6	113.3	113.0	113.0	113.4	114.0	114.9
312	116.1	115.5	115.3	117.0	119.1	118.4	119.3	116.7
336	115.3	116.5	117.3	114.6	113.6	112.5	111.9	111.4

DEPTH	3108.1		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	111.8	111.5	111.5	112.5	113.8	114.5	115.6	116.8
24	118.3	118.6	119.3	117.1	115.2	117.9	121.1	121.4
48	122.0	121.7	121.7	119.8	118.3	118.4	118.9	120.5
72	122.5	121.7	121.1	127.4	134.9	137.4	140.4	142.0
96	144.1	146.5	149.4	154.2	159.7	166.0	172.3	172.6
120	173.3	179.5	186.6	186.1	190.4	189.1	188.4	190.4
144	192.9	194.2	196.1	197.3	199.1	203.9	209.5	207.0
168	206.9	202.4	198.7	199.2	200.4	198.5	197.2	199.8
192	203.4	198.3	194.9	191.6	188.9	184.2	180.3	177.7
216	175.8	173.0	170.8	166.0	162.0	159.3	154.5	150.3
240	145.9	141.9	138.4	134.3	130.9	121.6	113.8	111.0
264	108.5	104.3	100.7	101.2	102.0	105.4	109.3	109.7
288	110.5	111.1	112.0	112.1	112.5	112.5	112.8	113.3
312	114.1	114.0	114.1	116.6	119.6	116.5	116.3	115.1
336	113.3	113.7	115.0	111.4	108.8	109.3	110.0	110.7

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WALL RANGES VS DEPTH

DEPTH	3118.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	96.7	98.6	100.9	103.3	106.0	106.9	108.2	108.9
24	109.9	110.1	110.5	110.0	109.8	111.1	112.8	112.0
48	111.6	110.8	110.3	110.9	111.9	102.6	95.0	103.0
72	112.7	112.1	111.9	117.4	123.9	129.6	136.1	133.9
96	132.1	135.3	139.1	144.9	151.7	157.1	164.3	164.9
120	166.0	168.8	172.3	173.1	177.8	179.6	181.8	183.0
144	184.8	186.1	187.6	192.4	197.9	197.5	197.7	196.3
168	196.5	192.1	190.9	191.1	191.8	191.4	191.6	193.7
192	196.4	191.8	187.8	184.4	181.4	179.5	178.0	168.7
216	168.2	162.5	157.6	154.6	152.2	150.1	145.5	138.8
240	134.9	128.1	122.2	118.0	114.4	109.1	104.6	100.8
264	97.5	93.0	89.2	90.7	92.5	94.3	96.5	99.1
288	102.2	103.4	104.9	105.5	106.5	106.3	106.3	105.1
312	104.3	106.2	108.5	107.7	107.1	105.9	104.6	105.5
336	104.6	101.2	102.3	99.5	95.5	98.4	101.8	99.0

DEPTH	3128.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	85.5	88.8	92.5	93.0	93.6	92.8	92.2	95.1
24	98.4	98.9	99.7	97.5	95.6	98.3	101.5	101.5
48	101.8	100.9	100.2	100.9	101.8	91.8	83.8	91.0
72	99.8	99.1	98.7	105.2	113.0	119.9	128.1	125.8
96	123.8	123.9	124.3	132.9	143.2	139.3	147.9	149.8
120	152.2	152.7	153.7	161.4	170.2	170.9	174.8	176.5
144	178.8	177.2	176.1	179.7	184.1	184.5	185.3	185.1
168	182.8	181.6	178.1	181.9	186.4	185.0	184.1	185.8
192	188.1	183.9	180.3	177.4	175.1	165.0	156.2	155.7
216	150.7	149.2	148.2	146.5	145.2	141.3	142.2	130.2
240	122.8	111.8	102.9	105.3	108.2	99.1	91.7	89.4
264	87.5	81.4	76.4	80.2	84.7	85.2	85.9	88.8
288	92.2	94.3	96.7	97.1	97.9	96.3	95.0	95.2
312	95.7	97.3	99.3	97.4	96.0	95.7	93.4	95.3
336	97.2	91.3	85.7	87.6	86.9	88.3	90.0	87.6

DEPTH	3138.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	79.1	81.0	83.2	85.7	88.6	86.5	84.7	85.4
24	86.4	86.9	87.7	88.2	88.9	89.2	89.7	92.3
48	95.3	93.2	91.4	85.6	80.7	79.3	78.1	79.0
72	80.1	83.9	88.3	88.2	88.3	96.7	107.1	110.1
96	113.6	112.6	112.0	114.1	116.6	126.5	139.3	140.6
120	142.9	145.2	147.9	150.8	154.2	155.7	161.5	163.5
144	166.0	167.3	169.1	169.4	170.2	172.0	174.4	175.1
168	175.7	175.2	176.1	173.4	171.3	173.1	175.5	174.8
192	174.6	171.1	168.3	166.8	165.8	157.3	151.1	149.1
216	147.5	144.0	141.9	136.8	132.4	127.2	127.0	117.9
240	114.7	104.3	95.9	88.4	82.1	80.2	78.6	73.3
264	68.9	68.8	68.9	69.3	69.9	74.4	79.9	83.4
288	87.5	84.0	81.0	84.4	88.3	87.2	86.4	86.1
312	86.1	86.9	88.0	88.2	88.6	87.6	87.4	86.0
336	86.4	82.6	80.4	77.1	75.7	76.8	78.2	78.5

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WALL RANGES VS DEPTH

DEPTH	3147.9		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	65.1	67.5	70.4	74.4	79.1	80.0	81.0	82.3
24	83.8	81.0	78.5	78.8	79.4	80.3	81.4	83.5
48	85.9	87.0	88.4	78.3	70.4	68.5	67.0	64.4
72	62.1	70.2	81.0	77.3	74.1	78.5	83.7	92.7
96	104.3	106.9	110.0	110.7	112.5	120.9	127.1	129.8
120	132.1	134.9	138.1	136.0	134.3	143.3	151.2	154.8
144	159.0	157.1	155.7	158.6	162.0	163.2	166.5	167.9
168	169.8	171.9	174.6	170.5	167.0	168.4	170.3	170.6
192	171.3	166.6	162.5	156.8	152.0	147.3	140.4	137.1
216	134.4	132.7	131.4	127.9	121.8	115.0	106.0	103.2
240	91.7	87.5	83.8	79.8	76.3	73.3	70.7	68.2
264	66.1	64.9	63.8	63.0	62.3	62.8	63.4	68.8
288	75.4	74.6	74.0	75.3	76.9	76.2	75.7	76.6
312	77.6	78.1	78.8	77.8	77.1	78.7	79.1	78.6
336	77.4	74.2	68.1	70.8	67.6	67.1	66.8	65.9

DEPTH	3157.9		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	64.8	65.7	66.8	70.2	74.1	72.7	71.6	74.3
24	77.4	74.1	71.2	71.9	72.9	73.4	74.1	76.8
48	79.9	77.2	74.8	68.5	63.4	61.6	60.1	55.9
72	52.4	58.3	65.8	67.9	70.4	69.0	67.9	72.8
96	78.8	91.0	107.9	107.9	113.6	117.3	122.1	120.9
120	120.0	124.0	128.7	129.2	130.1	136.3	143.8	145.3
144	148.9	148.9	149.2	154.1	159.7	159.3	159.2	163.4
168	167.3	168.7	170.5	169.2	168.3	168.3	168.8	168.7
192	169.0	168.5	168.5	159.4	152.2	145.9	140.7	137.4
216	134.6	126.6	122.0	120.9	120.3	111.7	103.8	98.3
240	93.4	89.1	85.4	81.5	78.1	75.4	73.1	72.4
264	71.9	70.0	68.3	66.7	65.3	64.6	64.1	64.9
288	65.9	66.1	66.4	68.5	70.9	71.3	71.8	72.4
312	73.2	70.5	68.1	68.3	68.6	70.4	70.1	71.7
336	70.9	70.5	67.3	67.1	68.1	66.5	65.1	64.9

DEPTH	3168.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	63.6	65.3	67.3	68.4	69.8	68.7	67.8	70.4
24	73.4	68.9	65.0	67.9	71.2	66.2	62.1	65.2
48	68.9	64.7	61.1	58.6	56.4	56.7	57.3	53.3
72	50.0	53.2	56.9	61.0	65.9	64.9	64.1	63.1
96	62.3	77.2	101.7	93.6	112.0	116.2	121.6	120.5
120	119.7	122.4	125.6	126.5	127.9	128.9	130.4	137.6
144	149.7	150.6	152.0	154.2	157.0	158.5	160.5	161.0
168	162.0	164.3	167.0	166.4	166.3	167.1	168.5	167.3
192	166.5	165.7	165.3	158.5	152.7	145.7	140.4	139.3
216	138.6	125.3	116.2	117.9	120.3	109.6	106.3	98.2
240	92.8	88.8	85.4	82.4	79.9	78.4	77.1	75.5
264	74.1	71.7	69.6	67.6	65.8	65.1	64.6	63.9
288	63.3	64.6	66.2	66.8	67.6	67.8	68.1	66.1
312	64.3	62.5	60.8	61.7	62.8	64.7	66.3	65.3
336	67.3	66.2	67.1	64.2	65.1	64.1	63.3	63.4

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WALL RANGES VS DEPTH

DEPTH	3178.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	60.6	61.1	61.8	62.3	63.1	62.5	62.1	64.5
24	67.3	63.7	60.6	62.1	63.9	64.3	64.8	63.3
48	62.1	59.6	57.6	55.9	54.4	52.4	50.7	51.5
72	52.4	53.6	55.0	58.5	62.8	62.7	62.8	62.4
96	62.1	67.8	74.9	82.8	110.8	115.0	117.8	116.6
120	115.8	119.2	123.1	123.5	124.3	126.6	129.4	139.2
144	150.0	151.2	152.9	156.4	160.5	159.8	159.5	160.0
168	161.0	162.6	164.8	163.9	163.5	165.4	167.8	166.9
192	166.5	164.9	163.8	155.2	147.9	142.2	137.1	133.5
216	130.3	121.5	114.5	114.0	113.8	106.3	98.2	93.0
240	88.2	85.4	82.7	80.6	78.8	75.7	73.1	70.4
264	68.1	67.0	66.1	65.5	65.1	64.0	63.1	62.5
288	62.1	61.5	61.1	61.0	61.1	62.7	64.6	64.0
312	63.6	61.9	60.6	61.1	61.8	61.0	61.1	59.2
336	58.1	60.6	59.8	60.8	58.1	58.3	58.8	59.6

DEPTH	3187.9		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	60.5	58.3	56.4	56.3	56.4	58.7	61.4	61.6
24	61.9	56.6	52.3	55.1	58.3	56.7	55.3	57.3
48	59.6	55.9	52.8	51.4	50.2	51.2	52.3	53.9
72	55.8	55.8	55.9	58.0	60.5	60.8	61.4	62.2
96	63.2	64.1	65.2	87.7	113.6	113.5	113.6	114.8
120	116.4	119.9	124.0	127.1	133.9	136.0	138.5	144.7
144	151.8	154.0	156.8	158.4	160.4	159.3	158.6	159.1
168	160.0	160.4	161.3	161.6	162.3	164.5	167.3	166.6
192	166.3	163.2	160.6	151.6	144.2	140.0	136.4	130.1
216	124.8	120.2	116.2	112.1	108.9	103.9	99.4	94.1
240	89.6	86.4	83.7	78.3	73.7	72.6	71.4	69.2
264	67.3	65.9	64.6	62.9	61.4	59.7	58.2	57.2
288	56.4	58.3	60.5	60.2	60.0	60.2	60.5	59.7
312	59.1	58.8	58.7	57.7	56.8	58.2	58.6	56.2
336	52.3	55.2	57.8	58.7	59.1	59.5	60.0	60.2

DEPTH	3198.0		TILT	0		VOS	5978.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	57.3	56.1	55.1	55.0	55.0	55.1	55.5	57.6
24	60.0	54.9	52.3	53.8	55.8	54.2	52.8	53.7
48	54.8	52.2	50.0	48.0	46.2	47.3	48.7	51.9
72	55.9	56.5	57.3	59.4	62.1	64.5	67.3	67.0
96	66.8	73.6	74.6	91.3	109.5	110.9	112.6	115.2
120	118.2	122.6	127.7	134.3	141.9	142.7	145.6	148.7
144	152.3	155.2	158.8	159.8	161.3	162.0	163.0	165.1
168	167.7	168.3	169.3	168.1	167.4	197.2	292.7	344.7
192	379.0	211.0	187.2	156.8	149.8	143.1	136.4	129.0
216	122.7	118.1	114.1	109.8	105.5	101.8	98.6	96.2
240	92.8	88.1	84.2	80.0	76.4	72.7	69.6	68.1
264	66.8	64.6	62.8	61.3	60.0	59.5	59.1	58.1
288	57.3	56.5	55.9	55.9	55.9	56.8	57.8	57.0
312	56.4	55.9	55.5	55.9	56.4	56.1	55.5	55.1
336	53.8	52.8	52.8	54.9	57.4	58.6	60.0	58.6

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WALL RANGES VS DEPTH

DEPTH	3203.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	54.5	54.0	53.6	54.0	54.5	54.6	54.9	55.8
24	56.3	53.3	49.7	51.9	54.9	53.3	51.9	53.0
48	54.3	52.5	50.9	47.6	44.7	46.3	48.2	51.8
72	55.8	56.7	57.8	61.1	67.9	70.7	73.4	79.0
96	88.0	87.7	76.9	103.2	108.1	110.2	113.1	116.1
120	119.6	124.4	129.9	137.6	145.8	147.0	148.7	152.2
144	156.2	159.0	162.1	162.6	163.5	163.1	163.0	166.4
168	170.5	171.2	172.4	171.8	171.7	231.1	372.6	375.4
192	379.2	376.3	374.5	172.8	152.3	147.3	143.0	131.0
216	122.7	118.4	114.6	112.5	112.0	105.9	100.7	97.0
240	94.0	89.7	85.9	81.4	77.6	74.2	70.4	68.7
264	67.3	65.6	64.2	62.5	61.1	59.9	58.9	58.6
288	58.5	57.7	57.1	56.8	56.7	56.6	56.7	56.6
312	56.7	56.6	56.7	56.8	57.1	56.3	55.7	54.5
336	54.5	54.2	54.0	54.5	55.4	57.2	59.3	56.8

DEPTH	3208.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	55.4	55.1	54.9	54.2	53.6	54.6	55.8	56.4
24	57.1	52.7	49.1	51.0	52.9	51.8	50.9	53.2
48	55.8	51.5	48.3	46.9	45.6	47.3	49.2	52.6
72	56.2	59.5	64.7	70.4	76.2	80.0	83.9	88.7
96	94.1	97.0	100.5	104.2	108.6	113.7	119.5	121.4
120	123.8	129.3	135.7	140.2	144.7	148.9	153.7	156.8
144	160.6	162.8	165.6	166.0	166.9	166.6	166.9	168.9
168	171.3	173.1	175.4	197.1	271.3	320.4	374.8	376.7
192	379.7	376.4	374.3	205.6	153.2	145.3	138.6	130.7
216	124.0	122.3	121.0	112.9	108.5	106.7	105.4	103.3
240	95.4	91.2	87.5	83.7	80.4	76.0	72.2	69.3
264	67.3	65.6	64.2	62.8	61.6	60.6	59.8	59.3
288	58.9	58.4	58.0	57.3	56.7	56.4	56.2	56.6
312	57.1	57.3	57.6	57.5	57.6	56.6	55.8	55.9
336	56.2	55.6	55.4	55.5	55.8	56.0	56.4	55.8

DEPTH	3213.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	54.4	53.8	53.4	52.3	51.4	53.2	55.2	55.9
24	56.8	52.6	49.1	50.4	51.8	51.0	50.4	48.4
48	46.9	47.4	47.9	46.6	45.6	48.3	52.0	55.1
72	58.5	62.6	67.5	72.6	84.0	86.0	88.4	91.2
96	95.4	98.5	102.1	105.5	109.2	114.3	120.3	122.6
120	128.0	132.1	136.9	142.3	148.7	153.9	158.1	159.6
144	161.6	163.5	166.0	167.0	168.5	170.7	173.4	173.7
168	174.4	173.7	173.5	214.2	373.8	374.9	377.0	377.4
192	378.8	375.9	374.0	226.5	158.3	148.2	139.9	135.3
216	131.5	130.8	130.6	141.1	158.1	163.1	169.0	293.3
240	289.4	284.8	281.1	273.7	267.3	263.8	261.2	255.1
264	68.6	246.3	66.4	239.0	63.3	64.0	61.1	60.6
288	60.2	59.7	59.3	58.8	58.5	58.4	58.5	57.7
312	57.1	57.5	58.0	58.4	59.0	58.7	58.6	58.6
336	58.7	57.6	56.2	55.5	54.9	55.3	55.8	55.0

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WALL RANGES VS DEPTH

DEPTH	3218.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	53.6	52.4	51.4	51.5	51.8	52.0	52.3	53.4
24	54.5	51.8	48.9	49.6	50.4	50.3	50.4	46.8
48	43.3	45.9	47.7	47.3	47.1	50.2	53.7	56.3
72	59.3	62.9	67.2	74.6	82.5	85.3	88.5	93.7
96	100.9	102.3	104.0	109.8	118.6	124.2	131.0	134.1
120	137.7	141.6	146.2	149.6	153.6	155.1	157.1	159.5
144	162.4	164.6	167.3	168.7	170.6	171.6	173.1	172.4
168	172.2	172.6	173.5	239.4	377.5	377.4	378.3	377.6
192	377.9	372.4	368.1	244.1	174.9	154.8	145.3	138.1
216	131.9	132.2	132.8	187.4	160.2	305.7	298.9	293.5
240	289.0	283.7	279.4	272.3	266.3	263.5	261.4	255.7
264	250.9	246.3	242.6	238.6	235.4	230.7	226.8	221.1
288	215.9	60.3	59.3	60.0	59.8	59.5	59.4	58.8
312	58.3	58.5	58.8	58.5	58.5	58.2	58.0	58.2
336	58.5	58.1	57.1	56.5	55.4	55.3	55.4	54.4

DEPTH	3223.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	52.3	51.3	49.6	50.6	51.8	52.0	52.3	52.8
24	53.6	52.4	51.4	50.6	49.9	49.8	49.9	44.2
48	40.9	43.5	46.7	49.1	52.0	53.4	55.1	57.1
72	59.3	63.2	67.6	72.8	78.4	84.2	91.2	94.8
96	98.8	102.7	107.2	111.9	118.4	123.8	130.1	133.0
120	136.4	140.7	146.0	149.5	153.6	156.0	158.9	161.1
144	163.8	165.1	166.9	167.5	168.6	170.6	173.1	173.1
168	173.5	175.9	178.8	242.4	380.6	378.3	377.0	377.8
192	379.7	374.5	370.4	365.7	362.2	175.0	163.0	142.6
216	132.3	133.2	134.4	191.3	314.2	308.3	303.4	297.2
240	292.0	283.6	277.6	271.7	266.8	265.1	264.2	258.9
264	254.5	251.0	248.3	242.0	236.7	234.1	232.2	225.0
288	218.9	215.3	212.4	207.1	202.6	77.4	197.6	64.1
312	63.2	63.5	63.8	63.2	62.7	58.7	58.1	58.2
336	58.5	57.8	57.6	56.4	55.4	55.1	54.9	53.5

DEPTH	3228.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	51.4	50.1	49.0	49.5	50.1	50.4	50.9	51.3
24	51.9	50.5	49.4	49.2	48.9	49.8	50.9	45.8
48	41.3	43.8	46.4	48.6	50.9	53.3	56.0	58.0
72	60.4	62.2	64.2	70.4	77.9	83.1	89.4	92.2
96	97.0	100.7	104.9	111.6	119.5	124.3	129.9	132.2
120	134.9	139.9	145.8	149.6	154.2	156.2	158.7	160.0
144	161.8	164.3	167.3	167.1	167.3	169.7	172.6	173.5
168	174.8	175.0	175.7	239.9	381.9	379.4	377.9	377.8
192	378.8	374.5	371.3	365.4	360.7	233.6	170.9	159.2
216	139.0	144.6	151.2	204.1	315.1	309.5	304.9	297.7
240	291.6	284.3	278.2	273.3	269.3	265.1	261.9	258.8
264	256.4	253.1	250.5	244.1	238.6	235.4	232.8	225.8
288	219.9	215.0	211.0	206.1	202.1	199.6	197.6	193.1
312	189.2	186.0	183.3	181.3	75.1	77.6	70.7	64.2
336	57.1	56.6	56.2	55.8	55.4	55.3	55.4	53.2

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DEPTH	3233.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	52.3	51.5	50.5	50.0	49.6	49.8	50.1	49.8
24	49.6	49.9	50.4	49.3	48.3	48.8	49.5	47.6
48	45.9	45.6	45.5	48.4	51.9	54.1	56.7	58.8
72	61.2	63.1	65.5	70.3	75.7	80.7	86.8	92.9
96	100.0	102.7	105.8	112.3	120.0	123.9	128.4	130.6
120	133.2	139.9	147.7	150.9	154.6	156.3	158.5	159.9
144	161.7	163.9	166.5	167.6	169.1	169.5	170.4	171.5
168	173.1	173.7	174.8	239.8	380.6	379.8	380.1	378.9
192	378.7	371.9	366.3	363.0	360.7	350.8	174.4	165.8
216	156.6	153.9	151.7	205.9	310.2	304.8	300.5	294.0
240	288.5	282.9	278.2	272.2	267.3	264.5	262.4	257.6
264	253.6	249.4	246.1	243.0	240.7	236.5	233.0	227.4
288	222.6	216.6	211.5	209.2	207.6	200.9	195.1	191.2
312	188.1	185.3	183.2	181.2	179.7	177.4	82.8	83.8
336	85.0	70.7	57.3	56.7	56.2	55.3	54.5	53.3

DEPTH	3238.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	50.2	48.9	47.7	48.3	49.1	48.5	48.0	48.5
24	49.1	49.3	49.7	49.3	49.1	49.9	50.9	46.2
48	43.0	43.6	44.4	47.9	52.3	54.0	56.0	59.1
72	62.8	65.9	69.7	73.8	78.8	83.9	89.9	94.9
96	100.3	103.5	107.2	112.9	119.6	123.8	128.8	132.5
120	136.7	141.4	146.5	150.5	155.1	156.8	158.9	160.3
144	162.1	163.6	165.5	167.2	169.5	169.7	170.4	172.6
168	175.3	174.8	174.8	239.9	380.1	378.9	378.8	378.7
192	379.7	371.2	364.1	362.1	361.2	350.4	341.2	339.2
216	338.1	333.8	330.6	319.4	309.8	303.1	297.4	293.0
240	289.4	283.8	279.2	270.9	263.8	263.7	264.3	258.7
264	254.0	248.7	244.3	242.2	240.8	236.6	233.2	228.4
288	224.3	217.2	211.1	208.6	206.7	200.2	194.7	190.4
312	186.8	185.4	184.6	181.6	179.2	177.8	176.9	174.9
336	173.4	173.6	90.4	76.0	65.7	59.5	55.2	52.5

DEPTH	3243.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	55.4	51.3	47.8	48.0	48.3	48.2	48.3	48.6
24	49.0	48.6	48.4	48.6	48.9	48.6	48.4	45.5
48	43.0	42.7	42.5	47.1	52.7	54.8	57.3	59.8
72	62.7	65.9	69.7	71.6	73.9	81.4	90.8	93.3
96	96.3	101.6	107.7	114.3	122.2	126.7	131.9	134.9
120	138.3	142.1	146.5	149.6	153.2	155.9	159.1	160.8
144	163.0	164.3	166.0	166.2	166.9	168.6	170.8	172.4
168	174.4	175.5	177.0	241.3	382.9	380.3	378.8	378.3
192	378.8	369.2	361.1	360.6	361.1	349.7	339.9	336.4
216	333.8	330.2	327.5	320.0	313.7	306.8	300.9	293.7
240	287.6	281.6	276.6	269.9	264.3	263.7	263.8	259.5
264	255.9	248.5	242.1	239.7	238.1	236.0	234.6	229.5
288	225.2	219.5	214.6	210.8	207.6	203.0	199.2	192.5
312	187.0	185.2	183.9	182.2	181.1	179.2	177.9	175.1
336	172.9	172.4	172.4	120.6	92.0	74.9	63.3	59.0

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DEPTH	3248.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	60.4	56.0	52.3	50.5	49.0	49.1	49.4	49.4
24	49.5	49.1	48.9	48.9	48.9	48.2	47.7	47.1
48	46.6	45.3	44.1	48.3	53.3	55.8	58.6	58.7
72	59.0	63.6	69.2	70.8	72.7	79.0	86.8	92.3
96	98.7	104.5	111.3	117.0	123.6	127.8	132.6	133.8
120	135.3	138.3	141.9	145.6	149.8	152.0	154.7	156.4
144	158.6	160.4	162.6	162.0	161.8	164.5	167.8	169.7
168	172.1	172.5	173.3	238.4	383.8	380.4	378.1	378.6
192	380.1	371.3	363.9	362.2	361.5	351.5	343.0	335.7
216	329.6	327.7	326.8	319.2	312.9	306.3	300.8	292.9
240	286.2	282.8	280.3	271.8	264.4	263.9	264.1	258.7
264	254.3	248.2	243.1	241.8	241.2	237.4	234.4	229.1
288	224.6	221.5	219.1	212.7	207.2	204.6	202.5	194.4
312	187.5	186.1	185.1	182.5	180.4	179.2	178.4	175.3
336	172.7	172.6	173.0	173.1	173.6	110.1	77.6	67.8

DEPTH	3253.0		TILT	45		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	85.5	81.1	77.4	77.2	77.0	77.6	78.2	80.2
24	82.5	77.1	69.1	73.9	78.7	75.9	73.4	75.1
48	76.9	74.0	71.3	67.4	64.0	65.6	67.4	72.7
72	78.6	79.6	80.6	83.4	86.5	86.8	87.3	87.6
96	88.1	89.4	90.8	159.7	158.6	256.3	259.3	256.6
120	254.2	250.8	248.3	248.8	249.9	247.7	246.3	245.5
144	245.0	245.5	246.3	246.4	246.8	243.4	243.7	240.6
168	238.0	235.7	234.6	235.9	241.0	239.8	238.8	238.7
192	238.8	238.5	238.4	238.1	238.0	238.4	239.6	240.2
216	241.2	241.0	245.5	244.3	243.5	247.1	248.2	139.6
240	131.4	125.5	120.3	115.7	111.6	106.8	102.3	98.8
264	95.6	93.0	90.8	88.0	85.5	85.1	84.9	82.2
288	79.8	79.9	80.2	79.9	79.8	81.1	82.6	82.3
312	82.1	81.7	81.3	80.7	80.2	79.0	79.3	77.5
336	75.8	74.8	73.5	77.1	82.9	83.5	84.1	84.7

DEPTH	3253.0		TILT	42		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	73.1	72.2	71.4	72.4	73.6	73.6	73.6	75.2
24	79.0	70.2	65.7	68.8	73.1	70.3	67.9	70.3
48	73.1	68.7	64.4	62.5	60.8	63.4	66.2	70.0
72	75.4	76.2	77.0	79.8	82.8	85.1	87.7	87.0
96	86.5	87.5	88.6	110.6	151.5	169.0	266.9	263.7
120	261.3	261.2	261.6	261.5	261.8	259.6	258.2	259.0
144	260.1	259.6	259.5	258.5	257.8	256.2	254.6	252.3
168	248.1	249.6	246.3	249.4	252.9	251.0	249.5	250.6
192	252.1	251.5	251.4	253.1	255.1	253.9	253.0	254.1
216	255.6	256.9	260.1	258.8	257.9	152.1	139.7	131.6
240	122.8	116.1	110.9	105.2	100.2	97.4	95.6	92.5
264	89.8	87.0	84.5	82.2	80.2	79.3	78.6	78.5
288	78.6	76.9	75.4	75.6	75.8	76.3	77.0	76.3
312	75.8	75.7	75.6	75.7	75.8	75.3	74.5	72.7
336	71.1	72.7	72.7	73.3	74.1	76.9	80.1	76.2

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DEPTH	3253.0		TILT	39		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	70.9	70.0	69.2	67.8	66.5	68.9	71.4	72.1
24	72.9	67.5	62.8	64.8	67.1	65.8	64.6	61.4
48	53.7	59.6	61.2	59.8	58.5	62.0	65.6	68.5
72	72.0	73.2	74.6	78.7	81.3	83.6	86.1	87.9
96	90.0	89.8	93.2	106.0	144.9	150.6	156.3	167.5
120	186.3	191.1	196.5	269.7	272.3	271.6	271.4	272.6
144	274.3	273.8	273.7	273.2	273.1	272.2	274.5	270.6
168	273.9	264.8	270.1	268.8	267.9	263.4	259.3	263.7
192	269.2	266.4	264.4	266.6	269.2	269.3	233.1	225.9
216	193.4	187.3	179.6	162.2	154.9	144.4	126.9	119.4
240	113.3	110.2	107.5	100.5	94.7	91.7	89.0	87.3
264	85.7	83.6	81.7	79.9	78.3	77.8	77.4	75.5
288	73.8	73.6	73.5	73.8	74.2	73.4	72.7	72.8
312	73.0	73.2	73.4	73.4	73.6	72.4	71.4	71.5
336	71.7	71.2	70.9	71.1	71.4	71.8	72.3	71.5

DEPTH	3253.0		TILT	36		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	66.8	66.0	65.4	64.0	62.8	65.2	67.9	68.9
24	70.0	64.6	60.2	61.3	62.6	62.6	62.8	56.3
48	50.1	54.2	58.6	58.4	58.4	61.3	65.1	67.8
72	70.9	74.4	77.4	80.7	84.5	85.9	87.8	90.0
96	92.5	92.1	91.8	108.8	135.2	143.0	151.2	149.3
120	147.7	150.1	152.9	155.7	158.8	175.5	221.0	223.3
144	226.1	231.1	238.4	241.8	245.7	267.8	275.5	270.2
168	266.4	260.0	243.7	245.9	248.2	244.5	241.3	247.0
192	252.7	244.0	234.4	226.2	219.1	191.0	172.6	167.7
216	163.3	154.3	142.5	145.6	148.4	132.6	121.6	115.6
240	110.4	106.4	102.9	98.1	93.9	90.0	86.5	84.6
264	82.9	80.8	79.0	77.3	75.8	75.4	75.1	74.4
288	73.8	72.7	71.8	70.8	70.0	70.5	71.2	71.3
312	71.5	71.3	71.2	71.7	72.4	71.9	71.5	71.6
336	71.8	70.2	69.0	68.2	67.4	68.0	68.7	67.7

DEPTH	3253.0		TILT	33		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	63.7	61.7	60.0	60.7	61.5	61.7	62.0	63.3
24	64.9	62.3	60.4	60.2	60.1	58.5	57.2	52.8
48	48.1	51.4	55.4	57.7	60.4	62.0	63.8	66.6
72	69.8	74.3	79.9	83.1	87.5	88.2	89.1	92.4
96	95.1	93.2	91.5	107.1	133.2	136.8	143.9	140.7
120	137.9	142.6	147.9	148.1	148.6	150.0	151.6	169.1
144	178.8	181.5	184.5	185.9	187.6	198.3	204.1	205.8
168	207.5	207.9	209.5	206.2	203.3	202.3	201.6	204.1
192	207.0	199.7	193.3	186.7	180.6	173.7	167.3	165.0
216	163.1	149.1	134.2	132.9	131.9	124.5	118.5	112.4
240	107.1	103.5	100.2	96.6	93.5	88.1	84.5	82.4
264	80.2	79.2	78.4	77.5	74.8	74.6	72.7	72.4
288	71.5	71.1	70.5	69.9	69.1	68.7	68.4	68.1
312	67.9	68.4	69.1	69.5	70.1	70.0	70.1	70.0
336	70.0	68.9	68.5	67.0	67.4	66.7	66.1	64.7

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DEPTH	3253.0		TILT	30		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	62.8	58.2	56.4	57.9	59.5	59.7	60.1	60.9
24	61.8	60.3	58.9	57.6	56.4	57.0	57.7	52.2
48	48.1	50.3	53.1	56.2	59.8	61.0	62.4	65.1
72	68.2	72.6	77.8	83.0	88.8	91.4	94.8	97.3
96	100.5	99.8	100.0	104.5	130.8	130.8	131.0	132.5
120	134.3	137.8	141.8	143.5	145.6	147.3	149.2	159.7
144	172.5	173.3	174.5	178.5	183.1	183.4	184.0	188.3
168	194.3	196.2	198.7	196.0	193.8	193.5	193.6	193.8
192	194.4	193.6	193.2	184.3	175.9	167.9	160.0	154.9
216	150.4	141.4	134.0	129.1	124.5	120.8	117.5	111.2
240	107.8	103.1	99.0	95.0	91.5	88.5	85.9	82.4
264	79.8	81.6	80.3	80.8	78.1	76.3	74.8	76.0
288	69.4	69.4	69.4	69.5	69.7	69.2	68.8	68.4
312	68.2	68.1	68.1	67.7	67.4	67.2	67.1	66.7
336	66.4	66.7	66.8	65.1	64.4	64.4	64.4	63.5

DEPTH	3253.0		TILT	27		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	56.8	55.7	54.8	55.4	56.2	57.4	58.8	59.3
24	60.1	58.0	56.3	55.1	54.6	55.7	56.9	52.9
48	50.4	50.9	51.5	54.2	57.4	59.9	62.8	64.4
72	66.4	70.5	75.3	83.0	88.5	91.6	95.1	99.3
96	104.4	107.3	110.7	112.3	123.2	124.6	126.4	128.0
120	129.9	134.2	139.2	142.7	144.9	147.9	151.3	158.6
144	168.0	169.3	171.0	175.0	179.6	178.0	176.7	179.4
168	182.6	184.7	187.2	186.5	186.3	187.3	188.6	187.5
192	186.7	185.7	185.1	174.9	166.1	159.5	153.9	146.2
216	139.4	133.1	127.5	122.7	119.2	115.4	112.2	108.7
240	105.5	101.6	98.2	95.6	93.3	90.9	88.8	88.6
264	89.1	89.7	90.5	92.9	95.7	94.3	93.1	84.2
288	74.1	74.4	74.8	76.0	76.8	73.9	71.4	70.5
312	69.8	69.7	69.8	67.8	66.1	65.9	64.9	65.0
336	65.2	64.6	64.1	62.9	61.6	61.3	61.0	58.8

DEPTH	3253.0		TILT	24		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	56.7	55.3	54.2	54.2	54.3	55.0	55.8	56.0
24	56.4	54.6	53.1	52.7	52.4	52.8	53.4	51.6
48	50.1	49.8	49.6	52.8	56.6	58.6	61.0	63.5
72	66.4	69.8	73.9	81.2	91.8	93.5	95.5	99.9
96	103.8	106.6	109.9	113.4	117.5	120.4	123.2	126.5
120	130.2	134.2	138.9	144.0	149.8	151.7	153.9	158.6
144	164.2	165.8	167.8	172.4	177.6	174.9	172.6	174.2
168	176.3	176.9	177.9	177.7	177.9	180.4	183.4	182.1
192	181.3	178.2	175.6	165.9	157.2	152.9	149.1	141.0
216	134.1	129.3	125.2	123.4	118.7	115.4	112.5	110.9
240	110.8	104.7	99.5	98.2	97.1	98.0	99.1	102.8
264	103.8	103.8	103.2	103.2	103.5	108.7	114.8	98.2
288	94.1	88.9	84.5	85.0	82.5	76.5	71.5	71.5
312	72.7	71.6	70.8	71.2	71.8	68.7	66.1	63.8
336	61.8	61.8	61.3	60.8	60.4	60.3	60.3	58.4

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	21		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	56.4	54.9	54.1	53.5	53.0	52.9	53.0	52.8
24	52.8	53.2	53.7	52.7	51.8	52.4	53.1	51.1
48	49.4	48.5	47.7	51.2	55.4	57.9	60.8	62.3
72	64.1	66.2	68.6	75.3	85.1	89.8	95.1	99.0
96	102.8	105.9	109.5	112.9	117.2	122.0	127.7	129.7
120	132.2	135.7	139.7	145.2	152.2	153.0	153.6	156.8
144	160.6	163.5	166.9	168.6	170.8	171.6	172.8	172.5
168	172.5	172.9	173.6	173.9	174.6	176.5	178.9	178.7
192	178.9	175.2	171.9	165.1	159.2	153.1	148.6	140.0
216	131.2	128.3	125.9	123.0	118.9	118.5	118.1	117.5
240	117.2	116.3	115.8	119.5	123.9	125.0	126.5	123.9
264	131.9	125.8	126.2	129.4	133.2	130.5	128.2	118.1
288	118.8	108.5	100.1	98.6	94.8	83.3	74.4	79.1
312	77.8	77.0	76.4	75.2	74.2	72.4	70.9	69.4
336	68.5	64.3	60.8	60.1	59.5	58.7	58.1	57.2

DEPTH	3253.0		TILT	18		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	52.3	51.1	50.1	51.1	52.3	51.3	50.5	50.9
24	51.4	51.8	52.4	51.8	51.4	52.0	52.7	48.4
48	44.3	45.3	46.4	50.2	54.5	56.7	59.2	61.5
72	64.2	65.7	67.3	73.7	81.9	88.1	95.6	99.9
96	104.9	107.2	109.9	114.2	118.1	122.0	126.5	128.9
120	130.4	136.4	143.3	147.1	152.2	154.8	158.0	160.6
144	163.8	165.9	168.7	169.4	170.5	170.9	171.7	173.9
168	176.6	177.0	177.9	176.9	176.3	182.3	187.3	186.6
192	186.3	179.7	173.9	171.6	160.0	152.3	145.6	138.5
216	132.3	134.4	136.9	129.7	123.5	131.9	141.8	144.3
240	147.2	145.8	144.8	148.7	153.2	146.6	140.8	144.5
264	143.3	147.0	151.7	146.3	141.6	142.5	143.8	143.2
288	147.7	137.0	128.0	122.0	120.6	106.7	95.9	95.0
312	91.6	85.9	81.0	82.0	80.6	80.9	78.8	75.5
336	72.6	67.5	64.2	61.6	59.3	58.1	57.1	54.5

DEPTH	3253.0		TILT	15		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	52.3	50.6	49.2	49.1	49.2	49.1	49.2	50.0
24	50.9	50.8	50.8	50.8	50.9	51.3	51.7	47.2
48	43.4	42.9	42.5	47.5	54.1	55.8	57.8	61.2
72	65.2	67.7	70.7	74.0	78.1	83.1	89.0	94.9
96	99.6	104.0	109.2	115.7	122.0	128.3	135.3	137.1
120	139.4	142.1	145.2	149.9	155.4	157.6	161.8	163.9
144	166.5	168.9	171.7	172.0	172.7	172.6	172.9	174.7
168	177.1	177.7	178.8	180.8	183.3	208.5	228.3	224.4
192	221.3	213.7	199.6	187.2	161.1	153.5	146.9	141.3
216	136.4	136.5	136.9	147.9	158.1	162.0	166.5	166.0
240	166.0	167.3	169.0	185.6	159.8	184.6	167.3	175.1
264	166.9	172.8	166.9	165.1	163.8	168.5	173.9	174.1
288	166.5	165.5	165.0	152.3	141.8	134.5	128.1	122.0
312	113.3	107.1	101.8	98.0	94.7	97.9	83.5	82.2
336	77.2	75.4	70.7	65.7	61.6	59.4	57.1	54.5

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	12		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	51.8	50.2	48.7	48.9	49.2	49.1	49.2	49.5
24	50.1	49.7	49.5	49.7	50.0	49.7	49.6	46.5
48	44.0	43.7	43.6	48.0	53.6	55.8	58.5	60.9
72	63.7	67.1	71.1	75.0	79.5	83.9	88.9	94.9
96	102.3	104.7	107.6	114.2	122.0	127.0	132.9	135.7
120	139.0	143.8	149.2	152.6	156.6	158.6	161.1	163.3
144	166.0	168.2	170.9	172.7	174.9	175.7	177.0	176.4
168	176.1	176.5	177.3	208.7	223.1	238.8	270.8	271.5
192	273.2	259.9	246.3	213.8	169.0	162.1	152.2	145.0
216	135.4	136.4	137.8	170.7	172.9	195.2	224.8	226.1
240	287.6	283.9	281.5	273.7	267.3	263.0	259.8	226.8
264	251.8	221.3	241.6	237.6	234.7	230.5	227.3	208.6
288	214.4	211.1	208.5	187.4	203.1	197.9	193.7	163.7
312	186.8	183.6	181.3	180.4	180.3	114.7	93.9	117.8
336	88.1	85.1	82.5	75.1	69.1	62.7	57.6	54.5

DEPTH	3253.0		TILT	9		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	56.9	52.7	49.2	49.1	49.2	49.5	49.9	49.5
24	49.2	49.1	49.2	49.0	48.9	48.6	48.4	46.0
48	43.9	43.8	43.9	48.2	53.6	55.6	58.0	60.5
72	63.4	66.7	70.4	75.2	81.0	85.7	91.2	96.0
96	102.3	104.7	107.6	114.0	121.5	125.4	130.0	132.4
120	135.2	141.2	148.2	151.8	156.1	158.1	160.7	162.0
144	163.8	166.4	169.5	170.4	171.7	173.2	175.3	175.0
168	175.3	178.1	181.5	236.3	285.1	303.7	337.0	350.1
192	381.4	338.3	322.7	237.4	191.7	192.7	171.9	160.2
216	155.6	154.2	153.1	192.7	313.3	306.8	301.4	283.1
240	291.2	286.8	283.2	275.9	269.7	266.6	264.3	258.1
264	253.1	249.5	246.6	241.9	238.0	233.4	229.6	223.7
288	218.9	215.5	212.7	208.2	204.4	201.4	199.1	193.4
312	188.1	186.5	185.4	183.0	181.1	179.1	176.4	177.4
336	178.9	121.0	93.4	87.2	82.0	71.8	64.0	60.2

DEPTH	3253.0		TILT	6		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	58.9	55.1	51.8	50.4	49.2	49.3	49.6	49.5
24	49.6	49.3	49.1	49.2	49.4	48.6	47.9	47.3
48	46.9	45.6	44.5	48.5	53.5	55.8	58.5	60.3
72	62.3	65.7	69.7	71.5	73.5	81.1	90.8	93.6
96	96.9	102.1	108.1	114.2	121.4	125.5	130.3	133.8
120	137.8	142.1	147.4	151.3	155.8	157.7	160.1	161.1
144	162.5	164.5	167.0	167.8	169.1	169.9	171.3	172.8
168	174.9	175.5	176.6	241.2	380.1	379.1	379.1	379.5
192	380.8	377.9	376.0	344.4	371.5	235.2	178.9	181.8
216	164.2	160.6	157.6	205.7	315.6	308.6	302.7	296.6
240	291.6	285.3	278.8	272.8	267.7	264.7	262.4	259.4
264	257.0	253.8	251.3	245.1	239.9	236.6	234.1	227.9
288	222.6	217.1	212.4	209.3	206.9	201.1	196.1	192.3
312	189.0	186.3	184.1	182.1	180.6	178.5	177.0	175.9
336	175.2	156.8	175.9	121.1	93.4	79.9	70.0	63.9

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	3		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	63.8	59.5	55.8	53.4	51.4	50.6	50.0	50.3
24	50.9	49.0	47.4	46.2	45.2	46.5	47.9	45.5
48	43.4	43.6	43.9	48.2	53.6	55.6	58.0	58.2
72	58.5	62.7	67.8	71.0	74.8	80.4	87.2	92.5
96	98.7	104.2	110.7	116.5	123.3	127.5	132.4	134.2
120	136.4	141.6	147.7	149.5	151.7	154.6	158.1	157.9
144	158.1	161.0	164.5	164.9	165.7	168.3	171.4	172.2
168	173.4	174.8	176.7	241.1	381.1	380.3	380.6	379.4
192	379.2	372.0	366.0	363.2	361.5	351.3	342.5	341.2
216	340.9	334.3	328.8	318.6	309.8	303.3	297.8	293.3
240	289.8	284.1	279.3	271.2	264.3	264.1	264.6	259.1
264	254.4	248.7	243.8	242.2	241.2	237.7	235.0	229.9
288	225.7	219.5	214.2	210.6	207.7	203.0	199.0	192.7
312	187.2	185.4	184.1	182.5	181.5	179.4	177.9	175.0
336	172.6	172.3	172.4	173.4	174.9	108.7	82.0	71.7

DEPTH	3253.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	69.2	63.8	59.3	54.2	50.1	50.2	50.5	50.5
24	50.6	49.2	48.1	47.7	47.4	46.6	45.9	45.6
48	45.5	44.1	43.0	47.6	53.6	55.4	57.6	57.7
72	58.0	60.7	63.8	69.5	76.6	80.9	85.9	92.5
96	100.5	108.5	118.2	122.1	126.6	129.9	133.7	133.7
120	134.1	137.2	140.8	147.7	155.8	156.2	157.1	156.9
144	157.1	158.6	160.6	160.4	160.7	165.2	170.4	169.1
168	168.2	232.8	176.6	382.2	385.9	375.6	366.9	366.6
192	367.4	364.2	362.2	352.8	344.8	343.1	342.4	330.4
216	320.2	323.9	328.6	317.7	308.4	304.0	300.5	294.2
240	289.0	283.1	278.2	268.8	260.7	260.3	260.7	254.9
264	250.0	245.9	242.6	241.1	240.3	238.2	236.8	230.3
288	224.8	222.8	221.5	216.5	212.3	207.6	203.7	197.6
312	192.5	188.6	185.4	184.4	183.8	181.5	179.7	178.6
336	177.9	175.7	173.9	174.4	175.3	175.8	176.9	99.3

DEPTH	3253.0		TILT	-3		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	184.6	183.2	184.2	80.9	49.3	49.8	50.5	50.0
24	49.7	48.8	48.0	47.7	47.6	46.6	45.8	44.9
48	44.1	43.9	43.8	47.0	50.9	53.8	57.3	58.5
72	59.9	60.3	60.9	66.4	73.1	76.0	79.3	86.6
96	95.5	106.2	115.5	140.3	174.4	227.9	331.1	336.3
120	344.1	334.3	327.1	328.3	331.5	333.0	335.8	336.1
144	337.1	338.3	341.1	338.7	338.6	334.9	333.4	329.7
168	327.4	329.7	332.7	331.4	330.9	329.7	329.2	326.8
192	325.2	315.1	306.3	300.1	294.8	294.0	293.9	292.5
216	291.7	285.3	279.8	278.6	278.1	273.0	268.8	267.2
240	266.2	258.7	241.5	244.8	237.1	228.9	221.8	224.1
264	226.9	231.6	237.2	237.0	237.5	233.2	229.7	224.3
288	219.8	215.9	212.7	216.2	220.3	205.9	192.6	192.4
312	190.6	188.6	187.0	184.6	182.7	181.5	180.7	177.5
336	174.8	176.1	177.9	175.9	174.5	176.0	178.0	181.0

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-6		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	185.9	185.6	185.9	186.3	187.3	98.1	51.6	61.7
24	50.1	51.6	50.4	48.9	47.5	48.1	48.9	46.1
48	43.6	44.6	45.8	49.1	53.3	54.7	56.4	58.6
72	61.2	60.9	60.8	66.2	68.3	77.1	78.4	123.8
96	268.4	274.7	282.1	285.8	290.4	294.1	298.7	302.6
120	307.4	315.2	324.4	317.4	311.5	306.2	301.9	305.3
144	309.8	320.4	332.7	325.6	319.6	315.8	312.9	307.5
168	303.1	310.9	320.0	319.4	319.6	317.8	316.9	311.6
192	307.4	304.2	301.9	297.0	293.0	286.8	281.6	275.0
216	269.5	268.1	267.5	259.8	253.4	255.8	259.1	247.7
240	238.0	233.9	230.9	116.7	78.1	75.2	72.6	72.7
264	73.0	89.8	117.0	118.8	121.0	154.6	215.0	214.2
288	214.2	213.1	212.8	216.9	221.7	87.2	53.8	84.1
312	191.8	189.9	188.6	186.8	185.5	183.8	182.7	179.3
336	176.4	178.5	181.1	180.2	179.8	182.4	185.5	185.4

DEPTH	3253.0		TILT	-9		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	183.1	183.9	185.2	185.8	186.9	190.0	194.0	194.8
24	196.7	76.2	47.2	47.7	48.4	47.8	47.2	46.1
48	45.1	44.7	44.4	49.2	53.1	59.3	57.3	62.1
72	58.9	95.6	220.7	226.0	233.0	236.3	241.0	248.4
96	257.3	258.5	260.4	266.4	273.3	277.7	283.1	284.2
120	286.2	287.5	289.6	291.6	294.3	297.7	302.0	301.3
144	301.4	302.7	304.8	307.1	310.2	310.2	311.1	305.5
168	301.0	299.6	298.9	298.2	298.2	291.8	286.4	281.3
192	277.1	274.6	272.9	273.8	275.3	266.4	258.7	257.7
216	257.1	195.6	157.4	151.5	146.0	140.3	134.8	130.5
240	126.6	112.1	100.7	84.9	73.5	71.6	70.0	71.6
264	73.5	76.2	79.4	81.0	82.9	93.0	104.2	143.6
288	204.1	122.9	82.4	60.4	47.6	48.2	48.9	78.4
312	195.9	193.0	190.7	188.7	187.3	185.1	183.4	183.3
336	183.6	184.1	185.1	184.0	183.4	183.4	183.8	183.2

DEPTH	3253.0		TILT	-12		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	178.5	181.7	185.5	186.1	187.3	189.6	192.5	193.6
24	195.2	191.4	188.2	188.1	188.6	189.1	190.1	78.3
48	46.9	50.5	44.9	76.1	191.7	188.8	186.6	192.0
72	198.4	202.6	207.7	214.3	221.9	224.5	227.8	230.6
96	234.1	238.7	244.1	250.7	258.3	261.2	264.9	265.4
120	266.7	273.4	281.2	277.5	274.7	275.6	277.4	278.6
144	280.5	282.4	285.1	285.7	287.1	286.8	287.3	279.5
168	273.0	275.9	279.9	277.9	276.7	276.0	276.1	265.8
192	257.0	260.1	264.1	260.0	256.7	249.8	244.0	200.4
216	170.4	162.9	156.4	144.1	133.9	132.5	131.4	127.2
240	123.5	103.2	88.8	80.1	73.2	71.5	70.0	70.9
264	72.0	74.7	77.8	79.2	80.9	73.0	66.6	83.3
288	111.7	66.6	47.5	43.5	40.3	44.8	50.6	80.1
312	191.7	100.8	68.6	100.2	187.0	183.1	181.2	181.7
336	183.4	183.5	184.1	182.3	181.0	180.4	180.3	179.2

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-15		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	162.9	168.2	174.3	172.4	170.9	172.8	175.3	179.4
24	184.3	182.7	181.6	182.9	184.6	183.4	182.6	182.9
48	183.6	183.2	183.3	184.5	186.3	184.9	183.9	184.7
72	185.9	191.0	197.0	201.9	207.6	210.2	213.3	218.1
96	223.6	229.8	237.1	241.3	246.3	247.9	250.2	250.8
120	252.0	254.6	258.0	258.4	259.5	262.1	265.5	266.6
144	268.5	270.1	272.4	268.2	264.7	245.1	228.7	216.1
168	205.4	213.2	222.3	239.9	261.1	259.7	258.9	253.1
192	248.1	244.9	242.4	239.9	238.0	210.9	189.8	177.0
216	166.2	153.5	142.9	137.0	131.9	128.9	126.5	124.6
240	123.2	100.6	85.1	80.7	76.8	73.5	70.8	61.0
264	53.5	54.0	54.7	62.1	72.0	69.3	67.0	68.1
288	69.4	44.8	33.0	33.8	34.7	37.0	39.7	43.0
312	46.9	45.5	44.2	48.9	54.7	50.1	46.4	73.2
336	172.2	171.3	170.9	169.5	168.6	165.7	163.2	162.9

DEPTH	3253.0		TILT	-18		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	153.6	157.9	162.9	163.9	165.2	166.0	167.3	167.1
24	167.3	169.5	172.3	172.6	173.3	173.4	173.9	172.4
48	171.3	173.0	175.3	174.9	174.9	173.2	171.9	173.7
72	175.9	179.8	184.3	188.5	193.3	198.7	205.0	207.4
96	210.3	214.6	219.7	179.2	151.6	154.9	158.6	158.8
120	159.2	170.6	184.2	182.5	181.2	197.4	217.3	216.0
144	215.0	206.7	199.3	196.2	193.0	207.4	224.0	214.2
168	205.6	208.1	210.6	217.0	223.3	213.9	205.6	211.1
192	217.3	216.7	216.7	212.9	209.6	70.4	43.1	44.0
216	47.4	52.7	62.5	80.4	113.8	119.6	126.8	124.8
240	123.2	103.1	88.8	83.6	79.2	57.7	45.4	47.3
264	49.4	48.7	48.1	55.9	67.0	66.7	66.7	63.1
288	60.1	41.5	31.7	30.3	29.0	31.6	34.7	35.5
312	36.4	34.8	33.4	31.6	30.0	29.7	29.4	50.3
336	167.3	163.5	160.2	159.4	158.9	154.6	150.9	152.0

DEPTH	3253.0		TILT	-21		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	149.0	150.2	151.9	152.0	152.5	154.5	157.1	159.2
24	161.9	160.0	158.6	161.7	165.5	166.0	166.9	165.6
48	164.7	163.6	163.0	161.8	161.0	162.2	163.8	161.7
72	160.0	164.7	170.2	175.5	181.7	149.5	127.3	123.6
96	120.3	131.4	145.1	146.1	147.6	150.6	154.1	155.8
120	158.0	159.1	160.8	160.4	160.4	169.3	179.6	184.1
144	189.3	174.2	161.8	146.4	134.0	144.9	158.2	146.9
168	137.5	120.2	107.1	80.1	64.0	83.2	119.2	109.7
192	101.8	105.6	110.0	122.6	129.8	58.2	36.8	38.1
216	39.7	40.8	42.0	48.9	58.8	79.7	124.2	123.0
240	122.1	100.1	85.0	80.1	75.8	57.8	46.8	45.9
264	45.2	45.0	44.9	50.9	58.8	60.7	62.8	58.4
288	54.7	43.5	36.1	32.0	29.7	29.1	28.6	30.7
312	31.6	31.4	31.3	29.2	27.5	27.8	28.1	47.5
336	148.8	149.1	149.8	149.2	149.0	147.2	145.8	147.2

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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-24		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	141.0	141.2	141.7	143.5	145.7	143.3	141.2	143.9
24	147.1	148.2	149.6	151.6	153.9	153.2	152.8	150.6
48	148.8	152.0	155.7	156.2	157.1	155.3	153.9	152.6
72	151.7	145.0	139.2	148.8	160.4	138.8	122.6	119.3
96	116.5	114.3	112.4	110.7	109.4	115.5	122.6	126.4
120	130.7	135.9	141.9	147.9	154.8	155.6	156.7	158.1
144	159.6	128.9	108.1	114.9	123.0	122.2	121.6	111.0
168	102.4	75.9	60.4	57.2	54.5	65.7	82.4	83.3
192	82.2	75.0	66.1	67.5	63.8	45.8	35.2	34.6
216	34.1	34.0	34.1	37.3	41.3	51.2	67.6	82.9
240	107.4	95.3	85.8	82.2	79.1	59.8	48.2	46.6
264	45.2	45.3	45.6	47.2	49.0	53.8	59.5	55.6
288	52.0	40.6	33.1	31.7	29.3	30.2	31.2	29.9
312	30.3	29.6	29.1	27.7	26.6	29.2	32.5	51.8
336	127.4	132.5	136.9	136.4	136.4	138.6	141.2	140.9

DEPTH	3253.0		TILT	-27		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	115.7	117.4	119.4	120.3	121.4	125.0	129.1	131.7
24	134.6	131.6	128.9	132.1	135.8	135.7	135.8	137.3
48	139.0	138.3	137.8	139.9	142.3	143.0	143.9	134.5
72	126.4	129.6	133.2	132.2	131.4	125.0	119.3	117.1
96	115.3	112.1	109.4	107.3	105.6	104.8	104.3	104.7
120	105.3	116.7	131.2	130.6	130.3	128.3	126.6	125.6
144	124.8	113.9	104.9	108.5	112.6	111.1	109.9	85.9
168	70.6	63.8	58.3	54.6	51.4	57.0	64.0	52.6
192	44.7	42.4	40.4	37.2	34.5	33.6	32.7	33.1
216	33.6	33.0	32.5	33.6	35.0	45.8	66.3	77.9
240	94.4	76.2	63.6	66.5	69.9	56.2	47.0	47.2
264	47.6	47.0	46.6	45.4	44.3	39.1	34.6	35.0
288	35.4	33.6	33.1	25.5	20.7	23.9	27.2	27.2
312	27.2	27.8	28.4	28.3	28.4	30.2	32.2	37.2
336	43.9	58.3	80.4	84.0	84.9	100.3	121.0	118.5

DEPTH	3253.0		TILT	-30		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	74.7	85.5	92.2	100.7	107.8	93.3	81.0	81.2
24	80.1	73.1	66.7	71.6	77.2	82.2	88.0	104.0
48	126.2	104.9	89.2	98.7	110.6	100.7	92.5	95.9
72	99.6	103.1	106.9	97.2	89.2	101.3	117.1	113.2
96	109.8	109.1	108.6	106.4	104.5	105.0	105.7	107.2
120	109.0	109.5	110.2	101.8	94.7	100.0	106.1	105.6
144	105.3	104.5	103.9	103.1	102.6	78.1	63.1	62.5
168	62.0	52.2	45.1	46.2	47.4	47.5	47.8	44.5
192	41.7	37.7	34.5	33.2	32.1	32.1	32.2	31.6
216	31.1	31.2	31.3	32.7	34.2	44.3	63.0	61.7
240	60.6	59.7	59.0	56.8	54.9	48.6	43.7	44.7
264	45.7	45.1	44.5	38.2	33.3	32.8	32.3	32.1
288	32.0	33.0	33.1	26.7	22.3	23.2	25.0	26.0
312	27.0	26.0	25.0	26.0	27.0	27.6	28.3	28.7
336	29.3	34.9	43.3	55.8	74.7	49.8	35.8	50.3

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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-33		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	47.8	46.7	45.8	52.6	60.4	60.8	60.5	56.8
24	53.5	55.6	57.4	61.6	65.8	70.1	74.0	76.2
48	77.7	80.3	83.2	80.4	77.8	79.7	81.9	81.0
72	80.2	83.4	87.1	85.5	84.2	92.4	102.7	102.5
96	102.5	101.1	100.0	102.5	105.5	96.5	89.1	84.9
120	81.3	85.0	89.2	90.8	92.5	92.6	92.8	94.4
144	96.3	97.2	98.4	79.0	66.0	61.1	57.0	48.9
168	42.9	42.8	42.7	43.6	44.6	42.2	40.2	38.8
192	37.7	35.2	33.1	32.3	31.6	31.4	31.2	28.8
216	26.8	26.3	25.9	29.2	33.6	39.6	48.1	50.3
240	52.4	48.9	46.0	45.6	45.3	44.1	43.2	44.3
264	45.6	38.2	33.0	31.8	30.7	30.9	31.1	30.4
288	29.9	31.0	32.3	24.9	20.2	21.6	23.3	24.2
312	25.4	25.6	25.9	26.7	27.5	26.9	26.3	26.4
336	26.5	28.7	31.2	32.9	34.9	35.0	35.2	40.5

DEPTH	3253.0		TILT	-36		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	34.0	31.0	28.8	34.2	42.3	45.5	48.3	48.7
24	48.9	47.2	45.6	46.5	47.5	50.6	54.2	60.8
48	69.1	70.1	70.7	72.9	75.0	74.3	73.7	74.8
72	76.1	76.3	76.7	79.5	82.8	82.2	81.8	88.2
96	95.8	93.2	90.9	92.7	94.7	91.4	88.4	84.8
120	81.6	82.3	83.3	84.8	86.5	88.2	90.2	88.2
144	86.5	88.4	90.6	73.7	62.2	54.4	48.4	45.4
168	42.7	42.1	41.6	41.7	41.9	39.5	37.5	35.6
192	33.9	33.2	32.6	31.5	30.6	29.7	28.8	27.2
216	25.7	25.7	25.7	28.9	33.0	33.2	33.4	34.0
240	34.8	38.2	42.2	39.7	37.5	38.5	39.8	37.7
264	35.9	33.6	31.5	30.6	29.8	29.8	29.8	28.1
288	26.6	27.8	29.4	23.4	19.4	20.5	21.8	21.4
312	21.0	23.1	25.7	26.3	26.9	27.3	27.7	27.4
336	27.2	29.1	31.4	32.5	33.7	35.0	36.5	35.2

DEPTH	3253.0		TILT	-39		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	26.4	27.1	27.8	30.5	33.9	33.8	33.7	33.0
24	32.3	36.9	42.5	42.2	41.8	42.7	43.7	45.5
48	47.5	46.9	46.4	52.7	61.0	64.3	68.0	68.7
72	69.5	70.5	71.6	69.1	66.9	72.5	79.3	81.4
96	83.8	83.4	83.3	81.0	78.8	79.7	80.7	78.5
120	76.6	75.5	74.5	74.7	75.1	75.6	76.2	76.8
144	77.5	69.0	62.2	53.7	47.2	46.5	46.0	43.7
168	41.6	40.8	40.1	38.4	36.9	34.5	32.5	31.2
192	30.0	30.3	30.7	30.6	30.6	29.6	28.7	27.4
216	26.3	26.0	25.8	27.1	28.6	30.4	32.6	33.4
240	34.4	35.1	35.9	35.4	35.0	33.9	33.0	32.5
264	32.1	31.3	30.5	29.5	28.6	27.4	26.3	25.4
288	24.6	25.2	25.9	21.4	18.2	19.3	20.5	19.7
312	19.0	18.9	18.7	18.3	18.0	21.4	26.5	26.9
336	27.4	27.6	27.8	27.7	27.8	27.4	27.0	26.7

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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-42		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	24.5	24.6	24.8	26.2	27.9	28.8	29.9	30.3
24	30.9	34.4	38.9	37.7	36.5	35.9	35.4	35.8
48	36.3	38.2	40.4	39.2	38.2	39.9	41.9	43.0
72	44.3	53.0	66.0	65.7	65.4	66.0	66.6	62.6
96	59.1	57.4	56.0	56.9	57.9	58.5	59.3	60.5
120	61.9	63.3	64.8	65.0	65.2	65.6	66.1	66.6
144	67.3	58.4	51.7	47.0	43.2	38.6	35.0	34.7
168	34.4	34.9	35.5	34.7	33.9	32.2	30.7	30.1
192	29.6	29.6	29.7	29.2	28.8	28.8	28.8	27.8
216	26.9	27.1	27.2	27.1	27.0	27.0	27.0	27.7
240	28.4	28.2	28.1	28.7	29.4	29.0	28.6	29.1
264	29.6	28.5	27.5	27.0	26.5	25.2	24.1	23.3
288	22.5	23.5	24.7	20.8	17.9	18.6	19.4	18.7
312	18.0	17.4	16.8	16.7	16.6	16.5	16.4	16.1
336	15.9	15.6	15.4	19.2	25.5	25.2	25.0	24.7

DEPTH	3253.0		TILT	-45		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	24.2	24.6	25.0	24.4	23.9	23.8	23.7	24.1
24	24.6	27.8	31.9	31.9	32.1	33.1	34.2	35.0
48	35.8	35.8	35.8	36.0	36.3	37.0	37.8	39.6
72	41.6	48.6	58.7	56.0	53.6	54.0	54.5	52.7
96	51.2	51.2	51.3	51.8	52.4	53.1	53.9	54.8
120	55.7	56.0	56.3	57.1	58.0	58.0	58.0	52.8
144	48.4	44.6	41.4	36.8	33.1	31.8	30.7	30.0
168	29.5	29.4	29.3	29.7	30.2	29.8	29.4	28.9
192	28.4	28.4	28.5	27.9	27.4	27.7	28.0	27.6
216	27.3	26.8	26.4	26.5	26.6	26.6	26.6	27.1
240	27.8	27.3	26.9	26.7	26.6	26.8	27.1	27.3
264	27.4	26.7	25.9	25.1	24.3	23.1	22.0	21.2
288	20.4	21.6	22.6	19.5	17.1	17.8	18.5	17.8
312	17.1	16.8	16.5	16.3	16.1	15.8	15.6	15.5
336	15.4	15.1	14.9	14.8	14.7	18.2	23.9	24.0

DEPTH	3253.0		TILT	-48		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	23.7	23.6	23.6	23.7	23.8	23.6	23.5	23.7
24	24.0	24.5	25.0	25.5	26.2	27.5	29.0	29.4
48	29.9	31.6	33.6	34.5	35.6	36.5	37.6	39.7
72	42.1	42.9	43.9	46.5	49.5	48.7	48.0	48.0
96	48.1	48.2	48.3	49.1	49.9	50.0	50.2	51.1
120	52.2	53.5	54.9	51.6	48.8	48.2	47.7	45.9
144	44.3	41.5	39.1	35.8	33.1	31.1	29.3	29.3
168	29.3	29.1	29.1	28.6	28.2	27.9	27.6	27.2
192	26.9	26.8	26.8	26.4	26.0	26.0	25.9	25.9
216	25.8	25.8	25.8	25.9	26.0	25.0	24.0	23.7
240	23.3	23.1	22.8	22.8	22.7	24.2	25.9	25.4
264	24.9	24.4	24.0	23.4	22.8	21.4	20.2	20.8
288	21.7	21.5	21.6	18.7	16.6	17.1	17.7	16.9
312	16.3	16.0	15.7	15.3	14.9	14.6	14.4	14.3
336	14.2	14.1	14.1	13.9	13.7	17.5	24.2	23.9

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WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-51		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	23.0	22.8	22.6	22.6	22.7	22.9	23.1	23.5
24	23.8	24.2	24.6	25.4	26.3	27.0	27.8	28.7
48	29.7	30.7	31.8	32.5	33.3	34.5	35.9	36.8
72	37.8	39.4	41.1	42.3	43.6	44.7	45.9	45.4
96	44.9	45.4	45.9	39.6	34.8	34.8	34.9	36.6
120	38.6	38.9	39.3	38.8	38.4	38.2	38.1	37.2
144	36.4	36.0	35.7	32.8	30.4	29.6	28.8	28.7
168	28.5	28.3	28.1	27.7	27.3	27.0	26.8	26.3
192	25.9	25.6	25.4	25.3	25.2	25.1	25.1	25.0
216	24.9	24.9	24.9	24.9	24.9	24.0	23.2	23.1
240	22.9	22.5	22.2	22.3	22.4	22.5	22.6	22.4
264	22.2	21.5	20.8	20.4	20.0	19.7	19.4	19.6
288	19.9	20.1	20.3	18.0	16.1	16.6	17.0	16.2
312	15.5	15.1	14.7	14.7	14.8	14.6	14.5	14.4
336	14.4	14.2	13.9	13.7	13.5	16.9	22.6	22.8

DEPTH	3253.0		TILT	-54		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	22.4	22.3	22.1	22.4	22.7	22.9	23.1	23.5
24	24.0	24.5	25.1	25.7	26.4	26.9	27.4	28.5
48	29.7	29.7	29.7	31.1	32.7	33.4	34.2	35.4
72	36.7	37.4	38.2	37.9	37.7	39.3	41.2	40.9
96	40.6	37.5	34.8	34.5	34.3	34.3	34.3	35.5
120	37.0	37.2	37.5	37.6	37.8	36.3	35.1	34.5
144	34.1	31.5	29.4	29.2	29.1	28.9	28.8	28.3
168	27.8	27.3	26.8	26.6	26.4	26.2	26.1	25.6
192	25.2	25.1	25.1	24.8	24.6	24.5	24.4	24.5
216	24.7	24.4	24.1	24.0	23.9	23.7	23.6	22.9
240	22.4	22.5	22.7	22.5	22.3	22.4	22.6	21.7
264	21.0	20.7	20.4	20.0	19.6	19.4	19.4	19.0
288	18.8	19.0	19.2	16.9	15.3	15.8	16.4	15.6
312	14.9	14.9	14.8	14.2	13.6	13.6	13.5	13.6
336	13.8	13.3	12.9	13.1	13.4	13.4	13.3	16.8

DEPTH	3253.0		TILT	-57		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.6	16.1	22.0	22.2	22.5	22.5	22.6	23.1
24	23.7	24.1	24.6	25.3	26.0	26.6	27.3	27.8
48	28.3	29.1	30.0	30.4	30.8	30.9	31.0	31.2
72	31.4	33.2	35.2	34.9	34.7	36.7	39.1	38.5
96	37.9	36.2	34.6	32.9	31.4	31.0	30.6	30.0
120	29.5	29.0	28.6	28.4	28.3	28.7	29.2	30.6
144	32.1	31.4	30.7	29.3	28.0	27.8	27.7	27.2
168	26.8	26.8	26.8	26.3	25.8	25.7	25.6	25.3
192	25.0	24.3	23.6	23.8	24.1	23.7	23.4	23.4
216	23.4	23.1	22.9	22.6	22.2	22.3	22.3	22.5
240	22.7	22.0	21.4	21.5	21.5	21.1	20.8	20.4
264	20.0	19.8	19.6	19.2	18.8	19.1	19.4	18.6
288	17.8	18.0	18.3	16.4	15.1	15.5	15.9	15.3
312	14.8	14.6	14.3	14.3	14.3	14.0	13.7	13.7
336	13.8	13.5	13.3	13.2	13.2	13.2	13.2	12.9

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-60		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.6	16.1	22.1	22.3	22.4	22.4	22.4	23.2
24	24.1	24.6	25.0	25.4	25.8	26.5	27.3	27.7
48	28.2	28.4	28.5	29.2	29.8	29.7	29.6	30.5
72	31.5	32.1	32.8	32.7	32.7	33.4	34.1	34.8
96	35.6	33.4	31.5	31.3	31.0	30.4	29.9	29.0
120	28.2	27.5	26.9	27.5	28.2	28.6	28.9	29.2
144	29.4	29.5	29.5	28.9	28.2	28.1	28.0	27.3
168	26.7	26.4	26.1	25.8	25.4	25.2	24.9	24.1
192	23.3	23.3	23.3	23.0	22.7	22.7	22.7	22.2
216	21.8	21.5	21.2	21.2	21.3	21.1	21.0	20.8
240	20.6	20.7	20.7	20.4	20.0	19.8	19.6	19.3
264	19.0	18.8	18.7	18.4	18.2	18.4	18.7	17.9
288	17.2	17.3	17.5	16.2	15.1	15.3	15.5	14.9
312	14.3	14.3	14.2	13.9	13.5	13.4	13.4	13.4
336	13.3	13.5	13.7	13.4	13.1	13.2	13.4	13.0

DEPTH	3253.0		TILT	-63		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.8	16.4	22.6	22.5	22.4	22.5	22.6	23.1
24	23.6	23.8	24.0	24.6	25.2	25.3	25.4	26.0
48	26.7	27.1	27.4	27.8	28.2	28.2	28.2	29.0
72	29.8	30.4	31.0	31.1	31.3	31.4	31.5	31.7
96	31.8	31.9	32.0	29.2	26.8	26.9	27.1	27.1
120	27.1	26.8	26.6	27.3	28.0	28.1	28.2	28.5
144	28.9	28.0	27.1	25.3	23.8	22.9	22.1	22.4
168	22.8	21.3	20.0	22.2	25.0	24.7	24.4	23.9
192	23.5	22.1	20.9	20.9	21.0	20.6	20.3	20.3
216	20.3	20.0	19.6	19.6	19.6	19.2	18.9	19.1
240	19.3	19.2	19.2	19.1	19.0	18.7	18.5	18.3
264	18.2	17.7	17.2	17.4	17.5	17.6	17.7	17.1
288	16.5	16.6	16.8	15.7	14.8	14.9	15.1	14.5
312	13.9	13.5	13.2	13.1	13.0	13.0	13.0	13.0
336	13.1	13.1	13.1	13.1	13.1	12.9	12.7	12.8

DEPTH	3253.0		TILT	-66		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.3	12.2	12.0	15.3	21.0	21.6	22.2	22.6
24	23.0	23.2	23.6	23.8	24.1	24.4	24.7	24.8
48	24.9	25.1	25.4	25.8	26.2	26.9	27.7	27.9
72	28.2	28.2	28.1	28.8	29.5	29.6	29.7	30.0
96	30.3	29.7	29.1	27.9	26.8	26.8	26.8	27.0
120	27.1	27.1	27.0	27.1	27.2	27.3	27.4	27.5
144	27.5	27.3	27.1	23.6	20.9	19.4	18.1	19.0
168	19.9	19.9	20.0	19.7	19.4	19.7	19.9	19.8
192	19.6	19.8	20.1	19.6	19.1	19.1	19.1	18.9
216	18.8	19.2	19.5	19.0	18.6	18.7	18.8	18.8
240	18.8	18.7	18.6	18.3	18.0	17.8	17.7	17.3
264	16.9	16.8	16.7	17.1	17.5	17.2	17.0	16.5
288	15.9	16.1	16.2	15.4	14.7	14.7	14.8	14.2
312	13.6	13.5	13.4	13.3	13.2	13.2	13.1	13.2
336	13.2	13.2	13.2	13.0	12.8	12.9	13.0	12.7

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-69		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.5	12.4	12.4	12.2	12.0	15.2	20.7	20.7
24	20.7	20.8	21.0	21.2	21.4	21.9	22.5	22.9
48	23.3	24.3	25.5	25.4	25.3	25.6	25.9	25.9
72	25.8	26.9	28.1	28.2	28.3	28.5	28.8	28.6
96	28.5	28.2	27.9	27.7	27.5	27.0	26.6	26.8
120	27.0	27.0	27.0	27.0	27.0	27.0	26.9	26.4
144	25.9	25.9	25.9	21.2	17.9	17.8	17.7	17.7
168	17.7	17.2	16.8	17.0	17.2	17.0	16.9	16.8
192	16.8	17.8	18.8	18.6	18.4	18.4	18.5	18.3
216	18.2	18.3	18.4	18.1	17.8	17.9	18.1	18.0
240	18.0	18.0	17.9	17.8	17.8	17.3	16.9	16.8
264	16.7	16.7	16.7	16.7	16.8	16.6	16.4	15.9
288	15.5	15.6	15.8	15.1	14.6	14.6	14.5	14.3
312	14.1	13.7	13.4	13.1	12.8	13.0	13.1	12.7
336	12.4	12.4	12.5	12.5	12.4	12.3	12.2	12.3

DEPTH	3253.0		TILT	-72		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.0	12.4	13.0	12.9	12.8	15.8	20.6	20.7
24	20.7	20.7	20.6	20.9	21.2	21.2	21.2	23.2
48	25.6	25.4	25.3	25.5	25.6	25.9	26.1	26.1
72	26.1	26.3	26.6	26.8	27.1	27.1	27.1	27.1
96	27.1	26.7	26.4	26.4	26.4	25.9	25.5	25.5
120	25.5	25.5	25.6	25.6	25.6	25.5	25.4	25.3
144	25.4	20.7	17.4	17.4	17.3	17.2	17.1	17.1
168	17.2	17.0	16.9	16.8	16.7	16.7	16.7	16.9
192	17.1	17.1	17.0	17.3	17.5	17.4	17.2	17.3
216	17.5	17.4	17.3	17.4	17.5	17.3	17.1	17.0
240	16.9	16.8	16.7	16.7	16.7	16.7	16.7	16.7
264	16.8	16.4	16.1	16.1	16.2	16.0	15.9	15.5
288	15.1	15.1	15.2	14.9	14.6	14.4	14.3	13.8
312	13.3	13.4	13.6	13.3	13.0	13.0	12.9	12.9
336	13.0	12.9	12.9	12.6	12.3	12.2	12.2	12.1

DEPTH	3253.0		TILT	-75		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.7	12.8	13.0	12.9	12.8	12.8	12.8	16.0
24	21.0	20.9	20.9	20.9	20.8	23.0	25.8	25.7
48	25.7	25.6	25.5	25.3	25.2	25.2	25.2	25.2
72	25.2	25.5	25.8	25.6	25.5	25.2	24.8	25.2
96	25.6	25.4	25.2	25.2	25.2	25.2	25.2	25.1
120	25.1	25.1	25.2	25.1	25.1	20.0	16.6	16.6
144	16.7	16.6	16.6	16.6	16.6	16.7	16.7	16.6
168	16.5	16.6	16.7	16.7	16.8	16.7	16.6	16.5
192	16.4	16.7	16.9	16.9	16.9	16.8	16.7	16.9
216	17.1	17.1	17.1	17.0	16.8	16.6	16.3	16.2
240	16.1	16.2	16.3	16.4	16.5	16.5	16.5	16.5
264	16.5	16.1	15.7	15.7	15.8	15.6	15.4	15.1
288	14.7	14.8	14.9	14.8	14.6	14.4	14.1	14.0
312	13.8	13.7	13.5	13.3	13.1	13.0	12.9	13.0
336	13.2	13.2	13.2	13.2	13.2	13.0	12.9	12.8

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-78		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	12.9	13.1	13.3	13.3	13.3	13.2	13.2	13.2
24	13.2	13.2	13.2	17.3	25.0	25.0	25.0	25.0
48	25.0	24.7	24.5	24.5	24.5	24.5	24.4	24.5
72	24.6	24.6	24.6	24.6	24.5	24.4	24.4	24.1
96	23.9	23.7	23.6	23.5	23.6	23.8	24.0	24.1
120	24.2	18.8	15.4	15.5	15.7	15.7	15.7	15.7
144	15.7	15.6	15.5	15.5	15.5	15.7	16.0	16.0
168	16.0	16.0	16.1	16.1	16.1	16.1	16.0	15.9
192	15.8	15.9	16.1	16.0	16.0	15.9	15.9	16.0
216	16.1	16.1	16.1	16.0	16.0	15.9	15.8	15.8
240	15.7	15.8	15.8	15.9	16.1	16.0	15.9	15.9
264	15.9	15.6	15.4	15.4	15.4	15.2	15.0	14.7
288	14.4	14.6	14.7	14.7	14.7	14.3	14.0	14.0
312	14.0	13.7	13.5	13.5	13.6	13.5	13.4	13.1
336	12.8	13.0	13.3	13.2	13.2	13.0	12.9	12.9

DEPTH	3253.0		TILT	-81		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	13.5	13.6	13.7	13.7	13.8	13.6	13.5	13.5
24	13.5	13.6	13.8	17.6	24.3	24.4	24.4	17.5
48	13.6	17.5	24.5	24.5	24.5	24.5	24.5	24.0
72	23.6	23.6	23.6	23.6	23.6	23.6	23.6	18.1
96	14.6	14.7	14.6	14.8	14.9	15.0	15.0	14.9
120	14.8	14.9	15.1	15.0	14.9	14.9	14.9	14.9
144	14.9	14.9	14.9	15.2	15.4	15.2	15.1	15.2
168	15.4	15.4	15.4	15.4	15.5	15.4	15.4	15.4
192	15.3	15.4	15.5	15.5	15.4	15.4	15.3	15.4
216	15.5	15.5	15.5	15.4	15.4	15.3	15.1	15.1
240	15.1	15.1	15.2	15.3	15.4	15.4	15.4	15.4
264	15.4	15.2	15.1	15.0	15.0	14.8	14.7	14.6
288	14.5	14.3	14.2	14.2	14.2	14.2	14.2	13.9
312	13.7	13.8	13.8	13.8	13.8	13.7	13.5	13.4
336	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.4

DEPTH	3253.0		TILT	-84		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	13.8	13.9	14.0	14.0	14.0	14.0	13.9	13.8
24	13.7	13.7	13.6	13.7	13.8	13.7	13.6	13.7
48	13.8	13.8	13.8	13.9	14.0	14.0	14.0	14.0
72	13.9	14.1	14.2	14.2	14.2	14.2	14.2	14.2
96	14.2	14.3	14.4	14.4	14.4	14.5	14.5	14.6
120	14.6	14.6	14.7	14.7	14.7	14.6	14.4	14.4
144	14.5	14.5	14.6	14.7	14.8	14.9	14.9	14.9
168	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
192	14.8	14.8	14.8	14.7	14.6	14.6	14.6	14.6
216	14.6	14.6	14.6	14.6	14.6	14.5	14.5	14.5
240	14.5	14.5	14.5	14.6	14.8	14.8	14.9	14.9
264	14.9	14.9	14.8	14.8	14.8	14.6	14.5	14.2
288	13.9	14.2	14.4	14.4	14.5	14.5	14.5	14.5
312	14.4	14.3	14.2	13.9	13.7	13.7	13.8	13.8
336	13.8	13.6	13.5	13.5	13.6	13.7	13.7	13.8

CUSTOMER	: Westlake Chemicals	CAVERN	:PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	:2

WALL RANGES VS DEPTH

DEPTH	3253.0		TILT	-87		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	13.9	13.8	13.6	13.7	13.8	13.9	14.0	14.0
24	14.1	13.9	13.7	14.0	14.3	14.3	14.4	14.4
48	14.4	14.4	14.5	14.4	14.4	14.4	14.3	14.3
72	14.2	14.2	14.1	14.1	14.0	13.9	13.9	13.7
96	13.6	13.6	13.6	13.6	13.6	13.8	14.0	14.0
120	14.0	14.0	14.0	14.1	14.2	14.2	14.2	14.3
144	14.3	14.4	14.5	14.5	14.5	14.5	14.5	14.5
168	14.5	14.5	14.5	14.4	14.3	14.3	14.2	14.3
192	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
216	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
240	14.3	14.3	14.3	14.3	14.3	14.4	14.3	14.4
264	14.3	14.4	14.3	14.2	14.0	14.0	14.0	14.0
288	13.9	14.0	14.1	14.1	14.1	14.1	14.1	14.0
312	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9
336	13.9	13.8	13.8	13.8	13.8	13.8	13.9	13.9

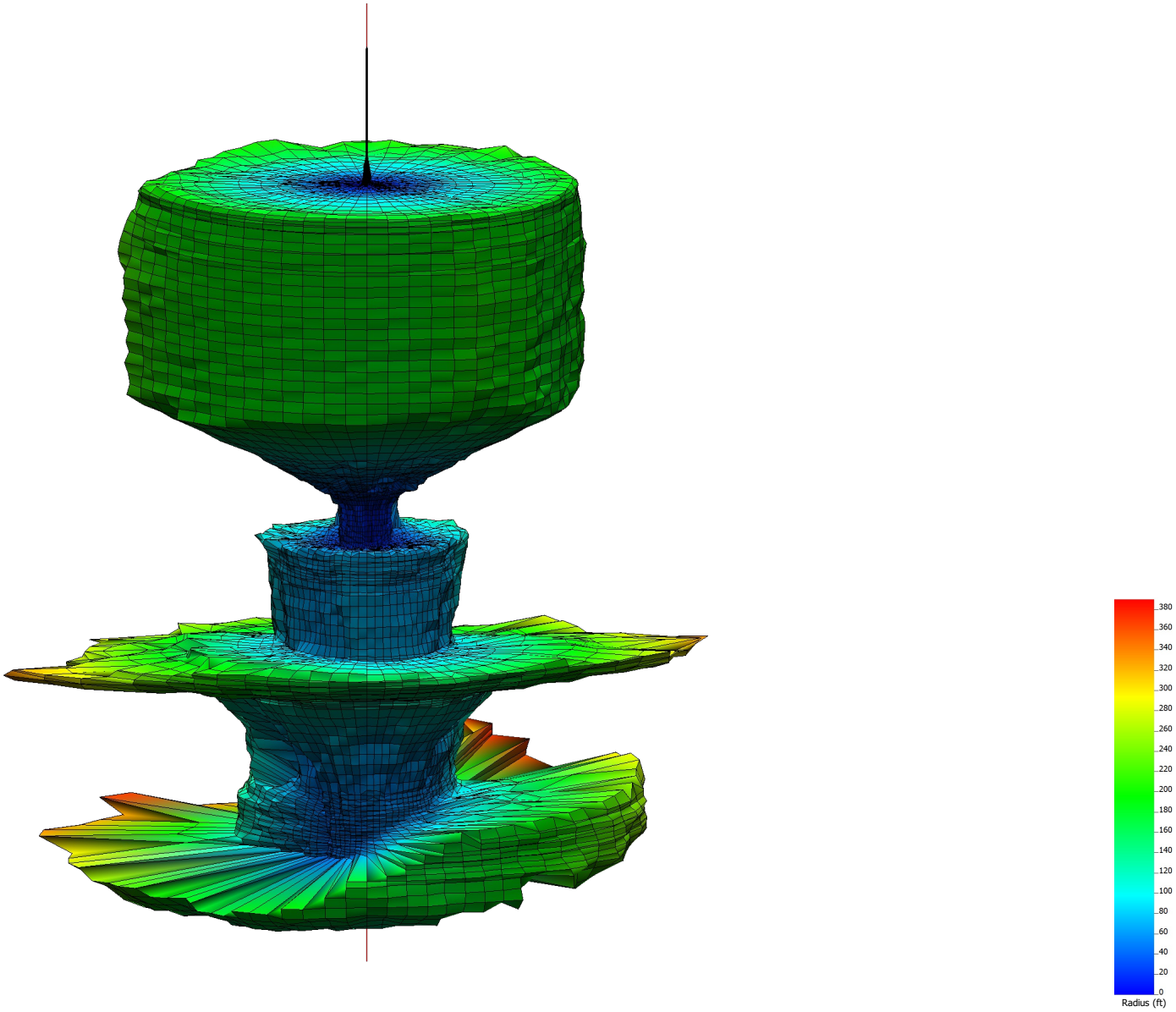
DEPTH	3258.0		TILT	0		VOS	5979.00	
Bearing	+ 0	+ 3	+ 6	+ 9	+ 12	+ 15	+ 18	+ 21
0	176.6	177.2	178.4	88.0	62.0	56.5	59.8	55.7
24	52.3	51.5	50.9	49.3	47.9	48.4	49.1	46.6
48	44.5	45.1	45.8	49.4	53.6	55.2	57.0	59.0
72	61.2	60.4	59.8	64.9	71.3	75.1	79.5	88.2
96	99.3	105.9	116.2	132.2	153.7	170.6	192.3	192.9
120	194.0	195.1	196.7	201.9	207.9	265.6	369.1	368.8
144	369.6	251.7	191.2	197.3	204.5	199.7	195.6	260.2
168	389.8	376.9	365.8	372.0	379.4	366.7	355.7	354.7
192	354.7	349.0	344.3	335.6	328.2	326.8	326.3	317.8
216	310.7	310.7	311.5	304.1	297.8	292.9	289.0	289.5
240	290.7	275.9	263.3	256.6	251.0	250.4	250.5	247.4
264	245.1	242.6	240.7	239.1	238.1	238.3	239.1	230.3
288	222.7	223.0	223.9	220.3	217.3	210.6	204.9	200.8
312	197.4	191.5	186.5	186.6	187.2	184.7	182.8	180.8
336	179.3	178.1	177.4	176.4	175.9	174.9	174.4	175.3

CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM NORTH

with an overhang of 10°

SCALE 1/150

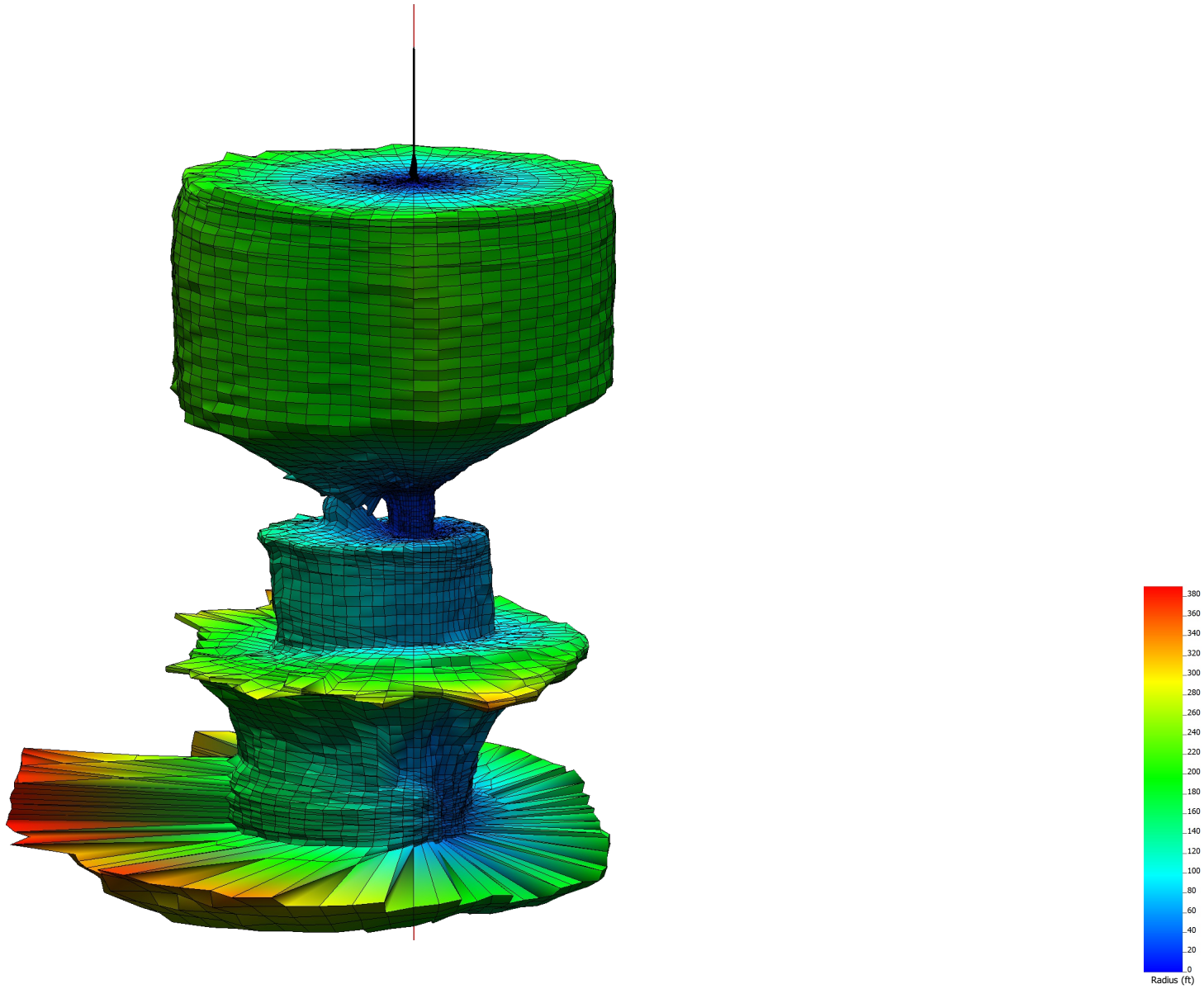


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM EAST

with an overhang of 10°

SCALE 1/150

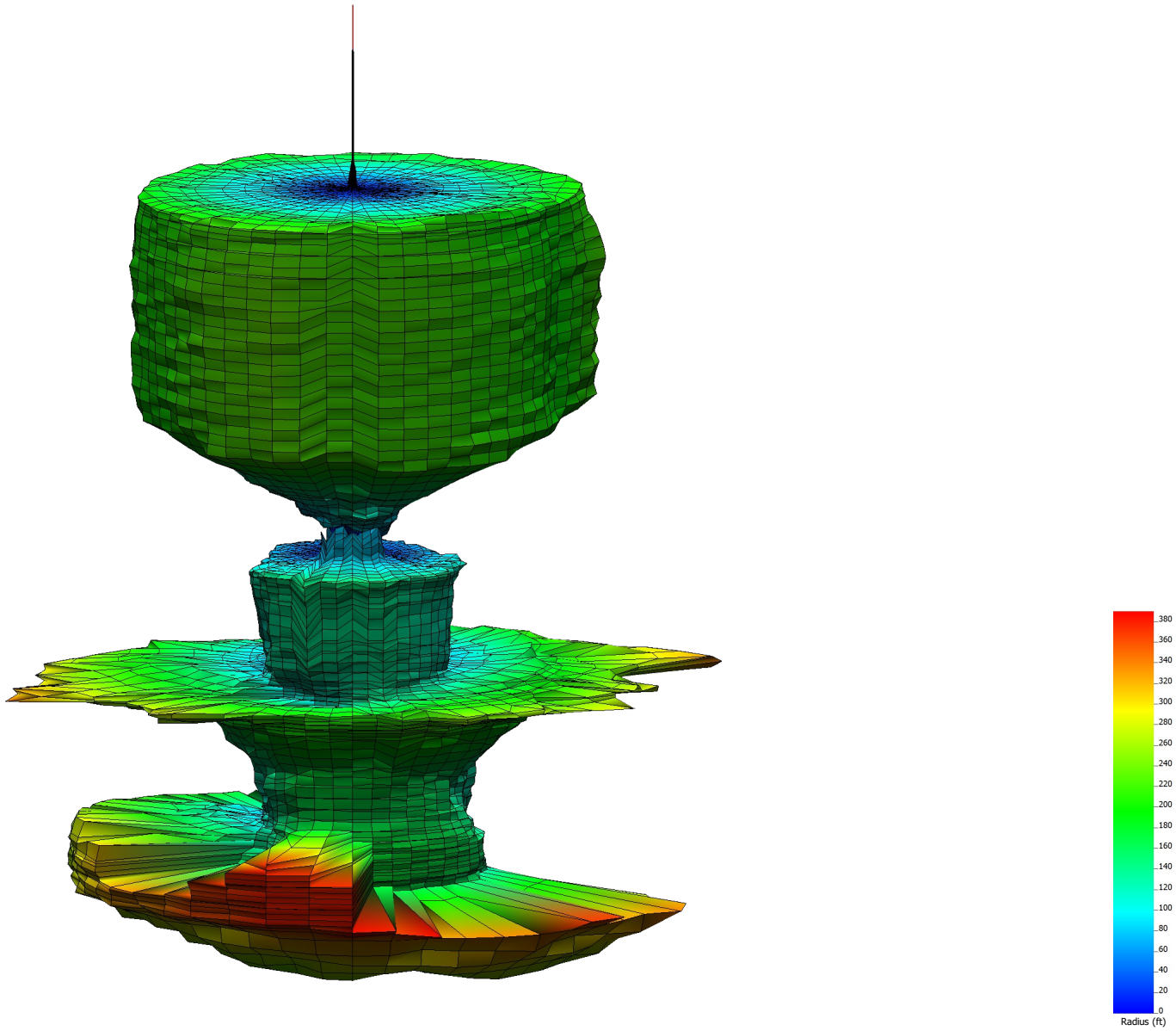


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM SOUTH

with an overhang of 10°

SCALE 1/150

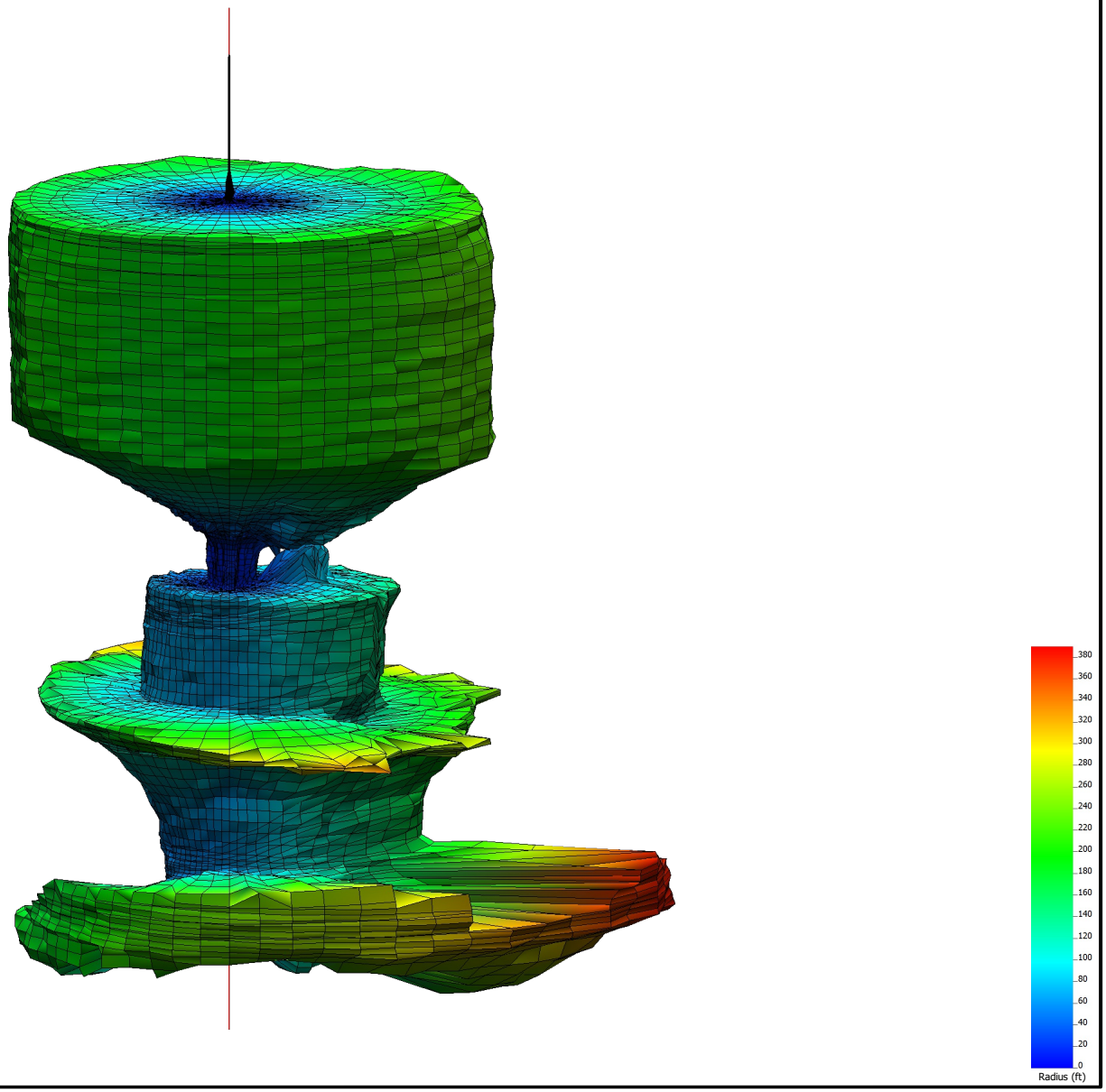


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM WEST

with an overhang of 10°

SCALE 1/150

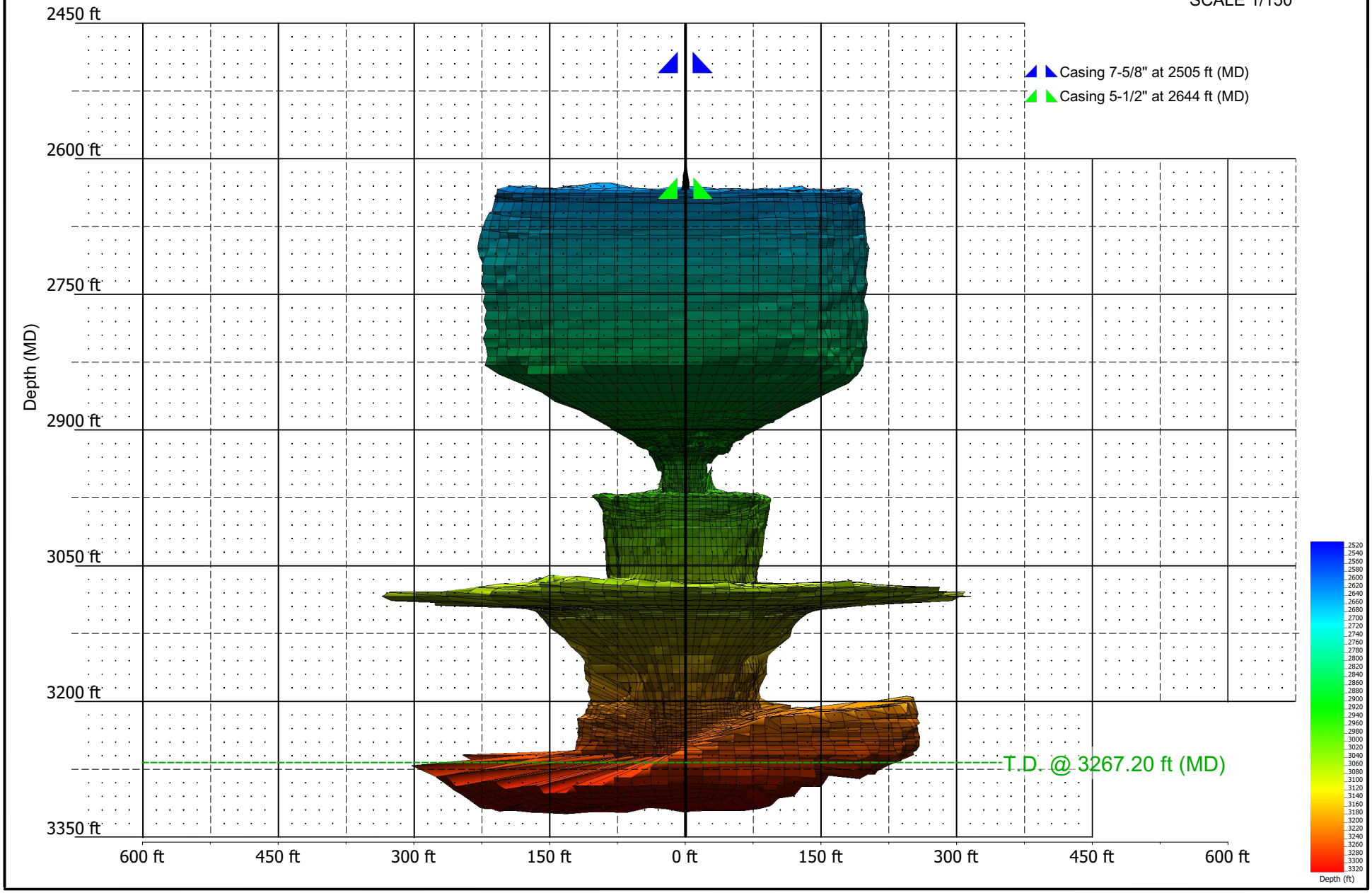


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM NORTH

with an overhang of 0°

SCALE 1/150

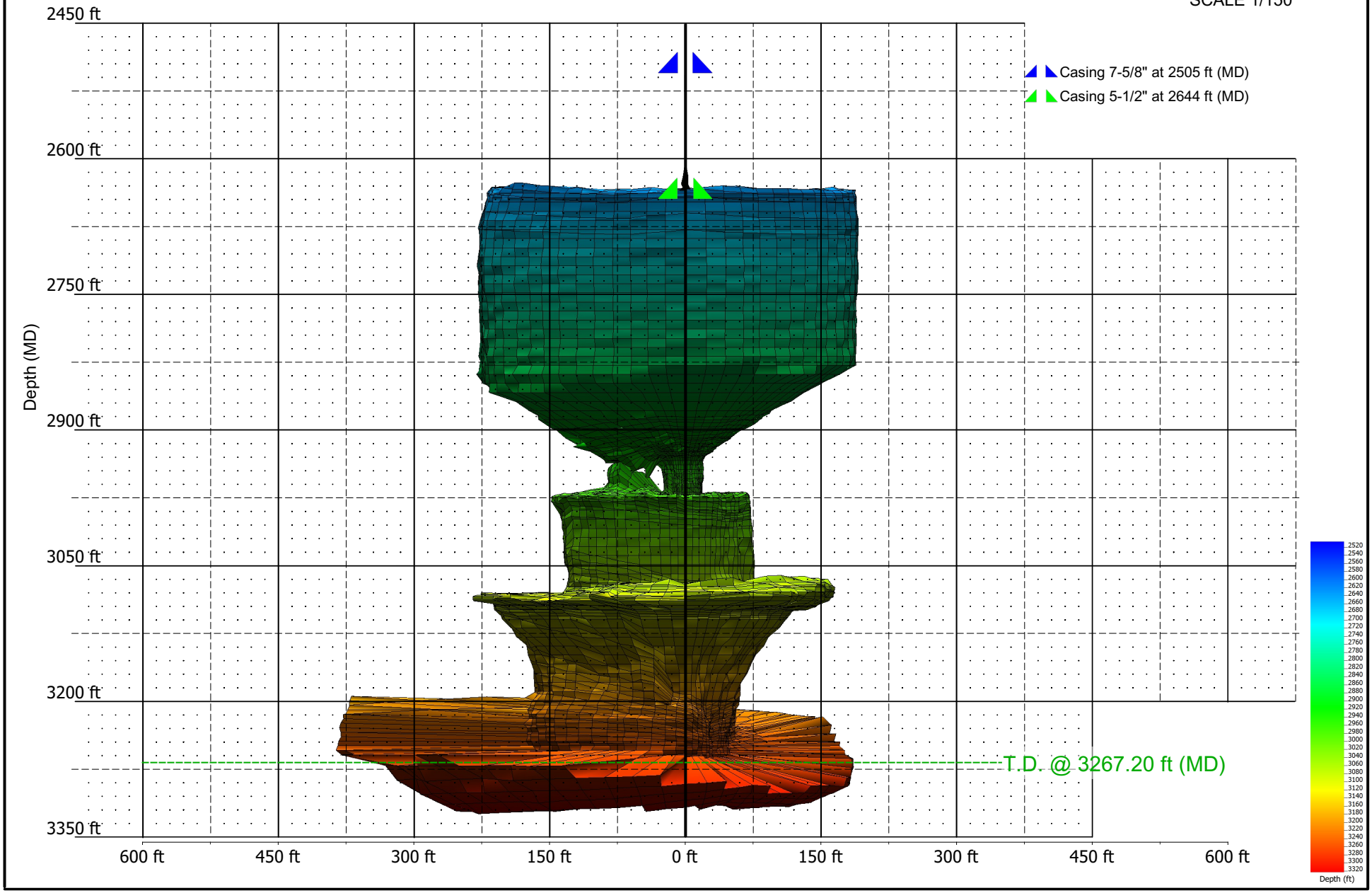


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM EAST

with an overhang of 0°

SCALE 1/150

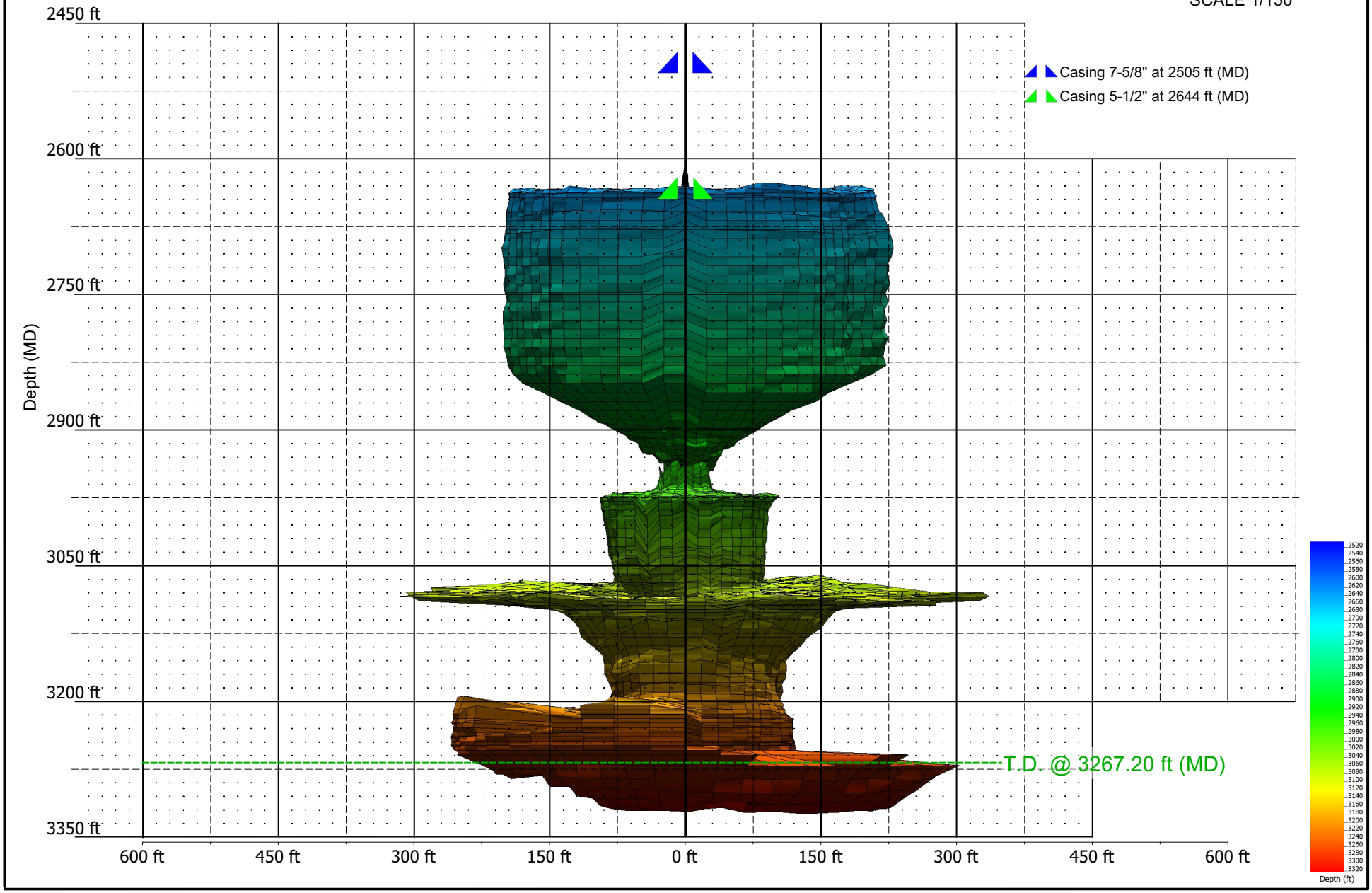


CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM SOUTH

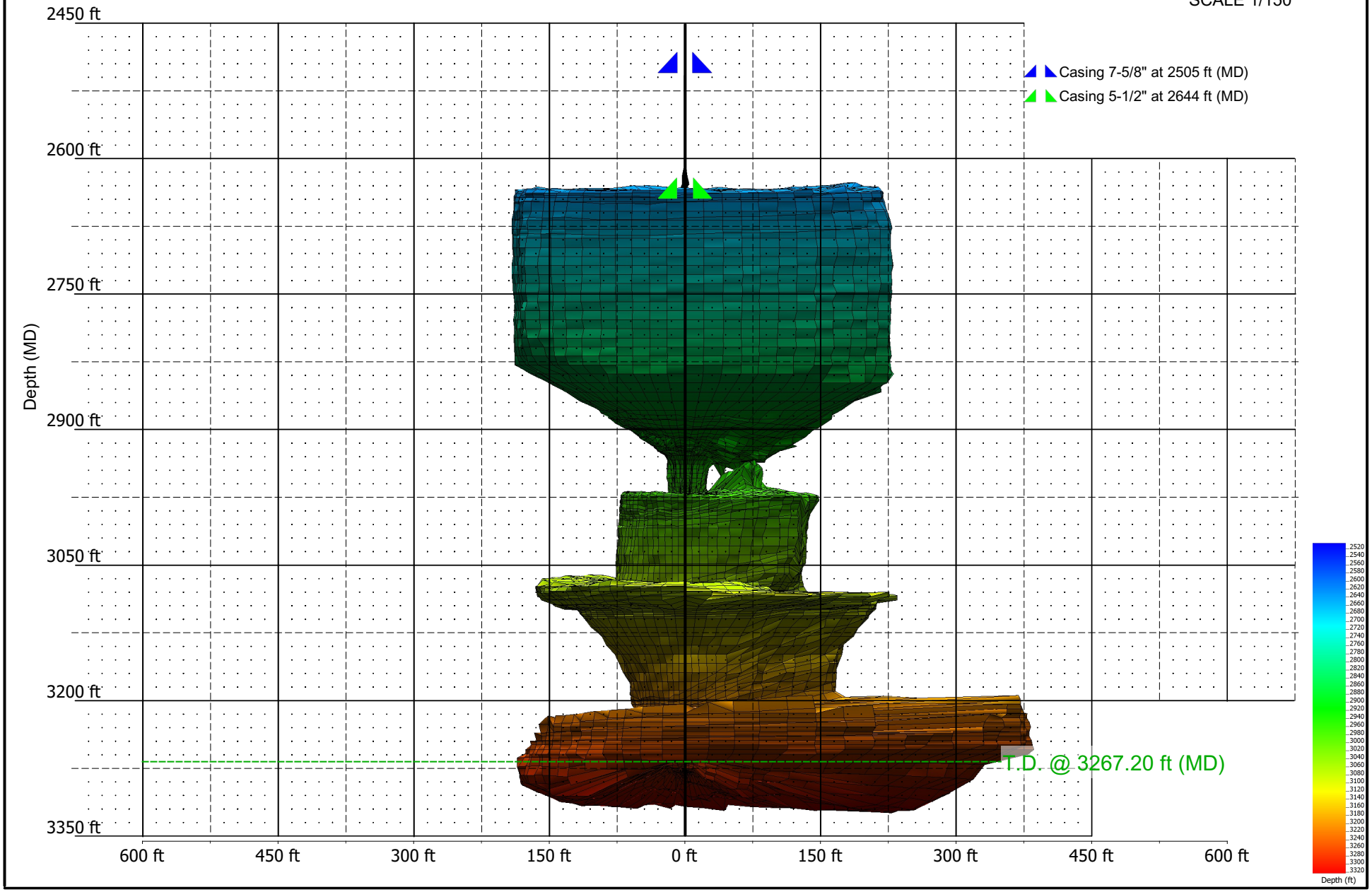
with an overhang of 0°

SCALE 1/150



CUSTOMER	: Westlake Chemicals	CAVERN	: PPG No. 006X
DATE	: October 28, 2023	OPERATION No.	: 2

VIEW FROM WEST

with an overhang of 0°

SCALE 1/150