BW - 21

MONITORING REPORTS

DATE:

SONAR

HYDRAULIC GRADIENT

HYDRAULIC GRADIENT

HYDRAULIC GRADIENT

STOCK WM.
COULD NOT LOCATE
8/28/80

QUARRY

ANADARKO YARD
2 ABD. WSW

NO DATA
REPT. CORROSIVE WATER
FOR PLUMBING FACILITIES

WL 69'(+3481')
1-A

1 STOCK WM.
EL. 3550'
Cl 45
SO_4 1719
TDS 2722
8/28/80
REDBED 2 (DOCKUM?)

5 ABD. WSW
WL. (+3399) 1976
REPT. Cl 4000 PPM
BY NEW MEXICO OIL
CONSERVATION COMMISSION

1 MILE
Cl 54
SO_4 423
REDBEDS (DOCKUM)
1948

3 STOCK WM.

WL 160+(+3340e)
Cl 23 1969
Cl 224 1976
Cl 2035
SO_4 2088
TDS 6862
8/28/80

REPT. STOCK WM.
COULD NOT LOCATE 8/28/80

4 STOCK WM.
EL. 3430'
WL. 140'(+3290')

Cl	110	50	32
SO_4	911	–	–
TDS	1760	–	–
COND.	–	1210	1530
	4/28/50	1976	1969

REDBEDS (DOCKUM)

28
442
932
–
8/28/80

WL. (+3229) 1965

WL. (+3311) 1976

WL. (+3194) 1976

WALTERS CAMP

WL (+3236)
Cl 149
SO_4 241
COND. 1100
1976

WL. (+3225)
Cl 162
COND. 1530
1965

T 17 S

T 18 S

N

LEGEND

- ABANDONED WINDMILL, DOMESTIC WELL OR TESTHOLE
- WINDMILL OR DOMESTIC WELL
- Cl CHLORIDE ION CONCENTRATION IN MG/L
- SO_4 SULFATE ION CONCENTRATION IN MG/L
- TDS TOTAL DISSOLVED SOLIDS IN MG/L
- COND. CONDUCTIVITY IN MICROMHOS
- WL. STATIC WATER LEVEL

SLANTED VALUES TAKEN FROM STATE BUREAU OF MINES AND MINERAL RESOURSES, NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, REPORT 3

VERTICAL VALUES TAKEN BY ED L. REED & ASSOCIATES, INC.

4000' 0 4000' 8000'
SCALE IN FEET

NORTHEAST EDDY COUNTY, NEW MEXICO

JENNINGS & CHRISTY

"LOCO HILLS – GROUNDWATER STUDY"

(SECTION 16, TOWNSHIP 17 SOUTH, RANGE 37 EAST)

9/2/1980
1"=4000'
DRN. BY D.R.

ED L. REED & ASSOCIATES, INC.
CONSULTING HYDROLOGISTS
MIDLAND & CORPUS CHRISTI, TEXAS

Southwest Region

February 27, 1991

Mr. Randy Harris
Ray Westall Company
Loco Hills, N.M.

Dear Mr. Harris,

The calculated bottom hole fracture pressure of a 900 foot deep salt section would be as follows:

$$BHFP = Pr + \frac{V}{1-v} \quad (Po-Pr)$$

$$BHFP = 419 + \frac{.22}{.78} \quad (900 - 419)$$

BHFP = 555 psi

psi/ft = .62

Where:

Pr = reservoir pressure

Po = overburden pressure

v = Poisson's ratio

Poisson's ratio is assumed to be .2 which is typical for this area. An overburden of 900 psi was also assumed.

An injection/step-rate test could be used to confirm this calculation.

Sincerely,

Pete Hust
Account Representative

Chapter 51
Acoustic Logging

A. (Turk) Timur, Chevron Corp.

Introduction

Acoustic wave propagation methods have become an integral part of formation evaluation since the first downhole measurement of velocities was conducted in 1927.[1] These early measurements were conducted to obtain time/depth curves to use in interpreting seismic data.[2] In the 1930's, proposals were made to conduct velocity measurements in a fashion similar to electric logging, by using an acoustic transmitter and one or more receivers. First successful implementation of this technology was in the late 1940's and early 1950's.[3-5] Commercial acoustic velocity logs were first introduced in 1954 by Seismograph Service Corp. in the U.S. and by United Geophysical in Canada.

Since then, technology involving borehole measurements of acoustic wave propagation properties has developed significantly and has become established as a major formation evaluation method. These acoustic wave propagation methods used in well logging can be broadly classified into two groups: transmission and reflection. Properties measured in each method and their applications in formation evaluation are listed in Table 51.1

Compressional wave velocities measured by acoustic logging were found to be related to porosity so closely that the acoustic log became a standard porosity tool, which it still is in many areas. The second most common use of borehole acoustic measurements is in evaluating cement jobs by measurements inside casing.

This chapter describes the use of acoustic wave propagation properties in formation evaluation after a brief description of elasticity, acoustic wave propagation properties in rocks, and methods of recording these in the borehole.

Elasticity

Introduction

The theory of elasticity investigates relationships between external forces applied to a body and resulting changes in its size and shape.[6] In this theory, it is assumed that displacements are small and the body returns to its original condition after the forces are removed. Applied forces and the resulting deformations are described by stresses and strains.

Stress is the force, F, per unit area, A, applied; strain, ϵ, is deformation per unit length, L, or volume, V, as illustrated in Fig. 51.1.

Within the elastic limit, as shown in Fig. 51.2, stresses are found to be proportional to strains (Hooke's law). The ratio of stress to strain is a different constant for different loading conditions. These proportionality constants are defined as elastic moduli, which are fundamental properties of a material.

Young's Modulus, E. This is the ratio of tensile or compressive stress (F_L/A) to the resultant strain ($\epsilon_L = \Delta L/L$):

$$E = \frac{F_L/A}{\Delta L/L}.$$

Shear (or Torsion) Modulus, G. The ratio of shearing stress (F_s/A) to the shearing strain $\epsilon_s = (\Delta L/L)$ is

$$G = \frac{F_s/A}{\epsilon_s}.$$

Bulk Modulus, K. Bulk modulus describes the change of V under hydrostatic pressure, p:

$$K = \frac{p}{\Delta V/V},$$

where K is also the reciprocal of compressibility, c.

TABLE 51.1—ACOUSTIC WAVE PROPAGATION METHODS

Property	Application
Transmission	seismic and geological interpretation
Compressional- and shear-wave velocities	porosity lithology hydrocarbon content geopressure detection mechanical properties of rocks
Compressional- and shear-wave attenuations	cement bond quality location of fractures rock consolidation permeability indication
Reflection	location of vugs and fractures
Transit time and amplitude of reflected waves	orientation of fractures and bed boundaries channeling and microannulus casing quality

Poisson's Ratio, μ. This is a measure of the geometric change of shape under uniaxial stress. It is expressed as the ratio of the fractional change in diameter, d, (transverse strain, ϵ_T) to the fractional change in length (longitudinal strain, ϵ_L):

$$\mu=\frac{\Delta d/d}{\Delta L/L}.$$

Relationships Among Elastic Parameters. These four elastic parameters are not independent; any one parameter can be expressed in terms of two others:

$$E=2(1+\mu)G$$

$$K=E/3(1-2\mu).$$

Acoustic Waves

Acoustic waves propagate mechanical energy. For instance, if an elastic material is subjected to an instantaneous force at one end, it is compressed (Fig. 51.3). This disturbance is then transmitted along the material by a series of compressions and rarefactions. The disturbance travels at a constant velocity that is a fundamental property of the material. The elastic moduli and the density determine the velocity of propagation for each material.

Two types of mechanical wave propagation will be described qualitatively. Detailed discussions of acoustic wave propagation are given in Refs. 7 through 11.

Compressional Waves. Compressional waves are those in which the mechanical disturbance is transmitted by a particle motion parallel to the direction of wave propagation (Fig. 51.3). They are also called longitudinal, pressure, primary, or P-waves. Particles of the material oscillate around this rest position in simple harmonic motion. As they move from equilibrium, they push or pull their neighbors, thereby transmitting the disturbance through the material. The velocity of this compressional wave motion, v_p, is a constant for a given material:

$$v_p=\frac{1}{\rho^{1/2}}(K+\tfrac{4}{3}G)^{1/2}, \quad \ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots (1)$$

where ρ is the density.

Shear Waves. Shear waves, also called transverse, torsional, or S-waves, are those where particle motion is perpendicular to the direction of wave propagation (Fig. 51.4).

Particles in the material again move about their rest position with simple harmonic motion. For this motion to be transmitted, however, each particle must have a force of attraction to its neighbor. Whereas compressional waves can be propagated simply by elastic collision of one molecule with the next, attractive forces must exist between adjacent molecules to transmit shear waves. Since these forces are very small in gases and liquids, fluids do not transmit shear waves.

The velocity of shear waves, v_s, is also a constant for a given material:

$$v_s=\left(\frac{G}{\rho}\right)^{1/2}. \quad \ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots (2)$$

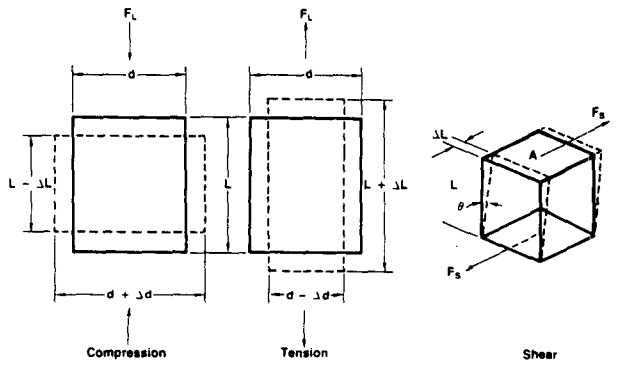


Fig. 51.1—Longitudinal, transverse, and shear deformations.

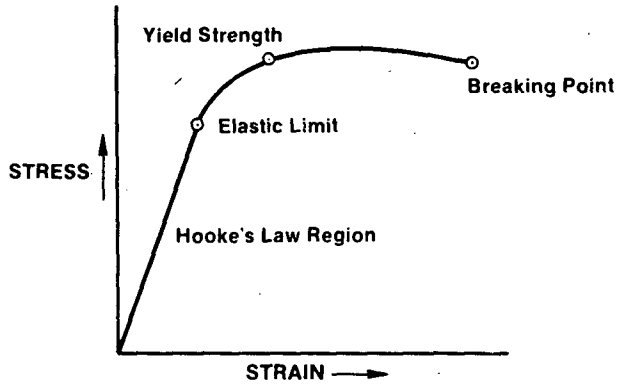


Fig. 51.2—Stress/strain diagram for an elastic material.

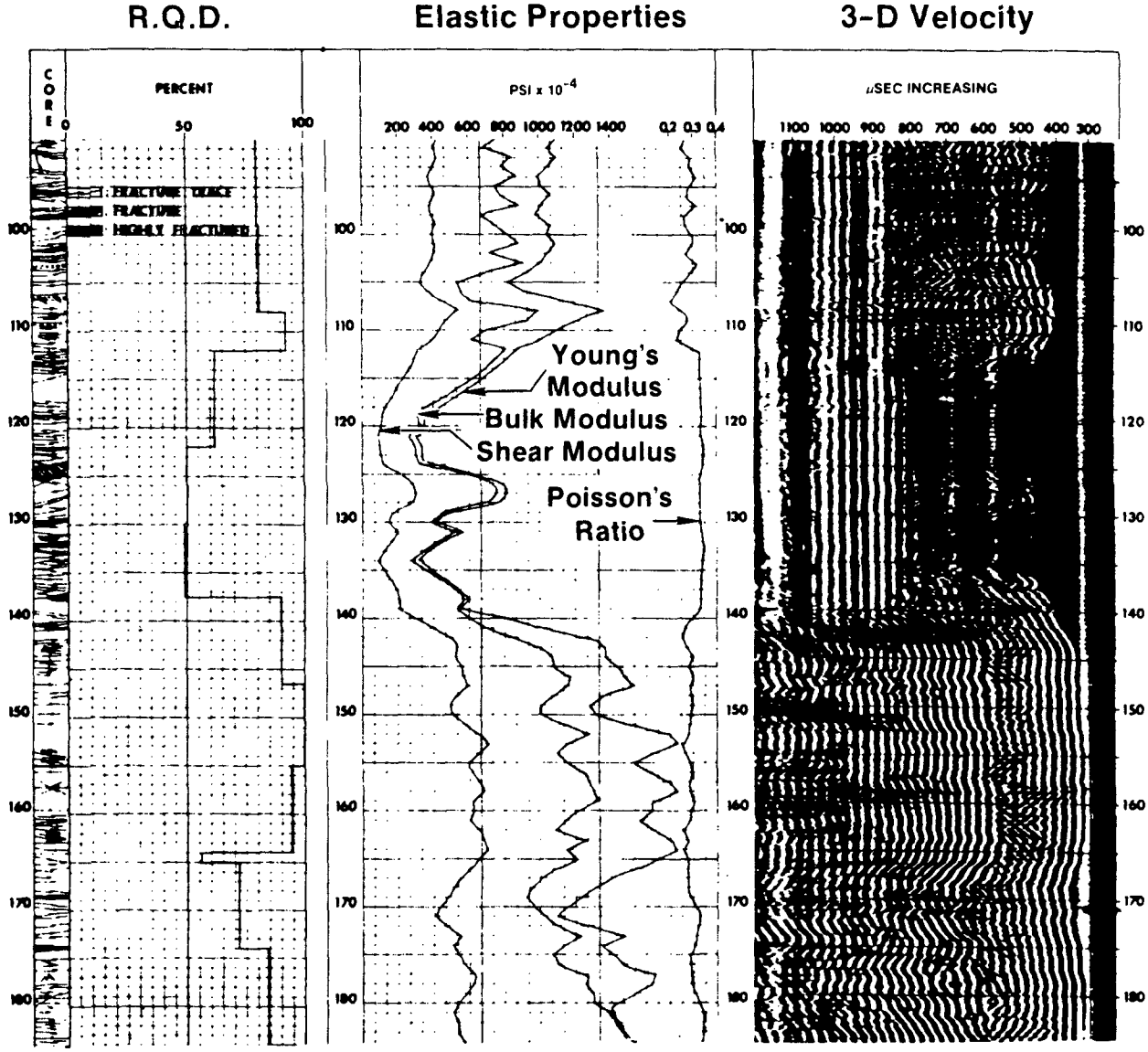


Fig. 51.94—Comparison of rock quality designation (R.Q.D.), elastic properties, and 3D velocity log.

Fracturing. Fracturing of formations is a commonly used well stimulation technique. To determine the best zones for fracturing, laboratory compressibility tests can be run on rock samples from the zones of interest. Fracture design requires a knowledge of elastic moduli, which can be obtained from borehole measurements.

An earlier use of borehole acoustic measurements was for the identification of zones favorable for fracturing. High-amplitude and high-velocity shear waves have been associated with zones that can be fractured successfully, whereas zones with low-velocity and low-amplitude S-waves were found to be quite plastic. In the example shown in Fig. 51.95, Anderson and Walker[139] indicate a well-defined shear wave in the zone from 4,600 to 4,545 ft and none above this zone.

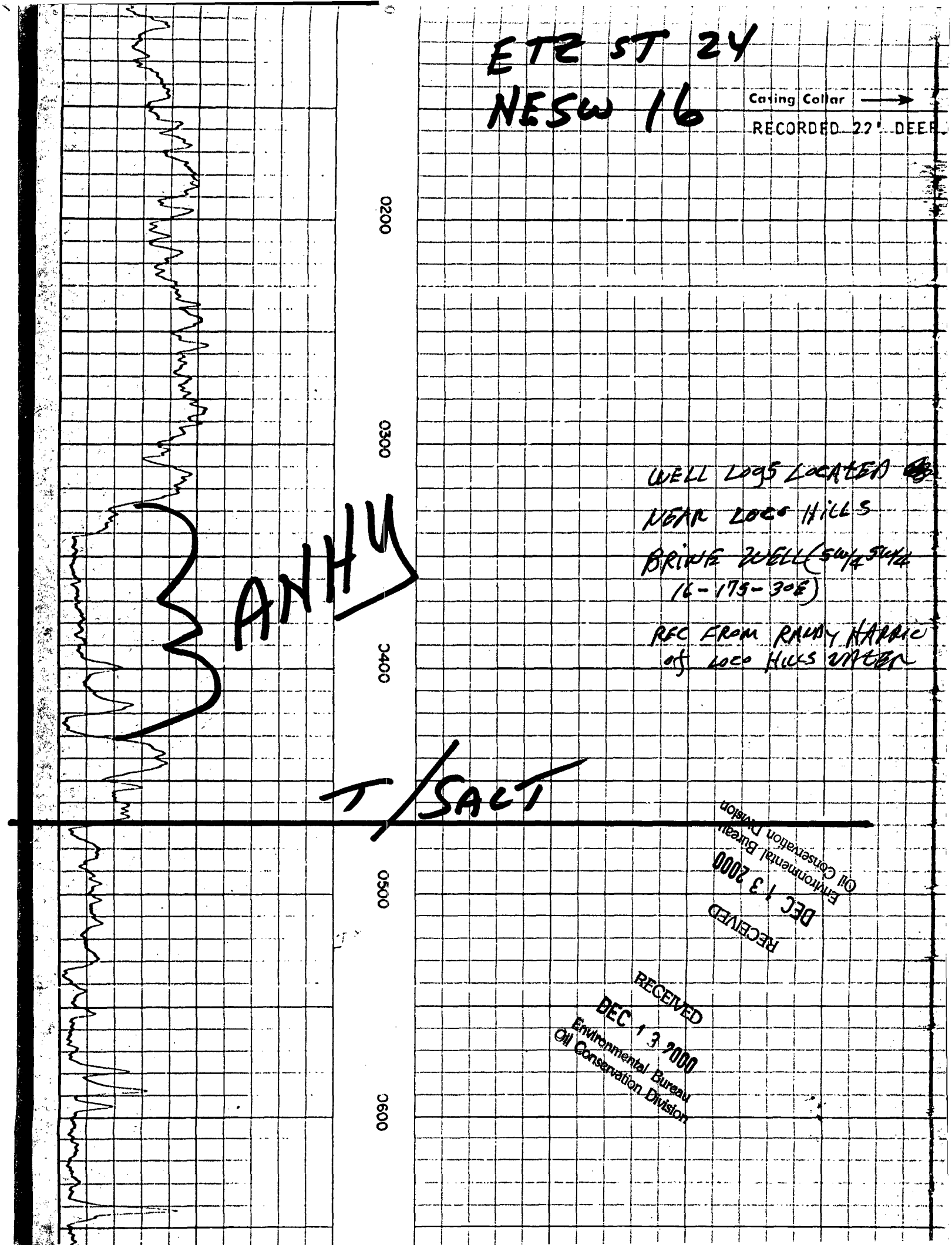
During drilling, control of hydrostatic pressure in the borehole is necessary to not exceed fracturing pressure of the formations, thereby causing circulation loss. However, a knowledge of fracture pressure is needed for proper design of fracturing operation to stimulate hydrocarbon production from tight formations. An estimate of fracture pressure (p_{fr}) is given by Hubbert and Willis:[140]

$$\frac{p_{fr}}{D} = \left(\frac{p_o}{D} - \frac{p_f}{D}\right)\left(\frac{\mu}{1-\mu}\right) + \frac{p_o}{D},$$

where

p_o = overburden pressure,
p_f = pore-fluid pressure,
μ = Poisson's ratio, and
D = depth.

Recent applications of this relationship are discussed by Atkinson.[141]



WELL LOGS LOCATED
NEAR LOCO HILLS
BRINE WELL (SW/4 SW/4
16-17S-30E)
REC FROM RANDY HARRIS
OF LOCO HILLS WATER

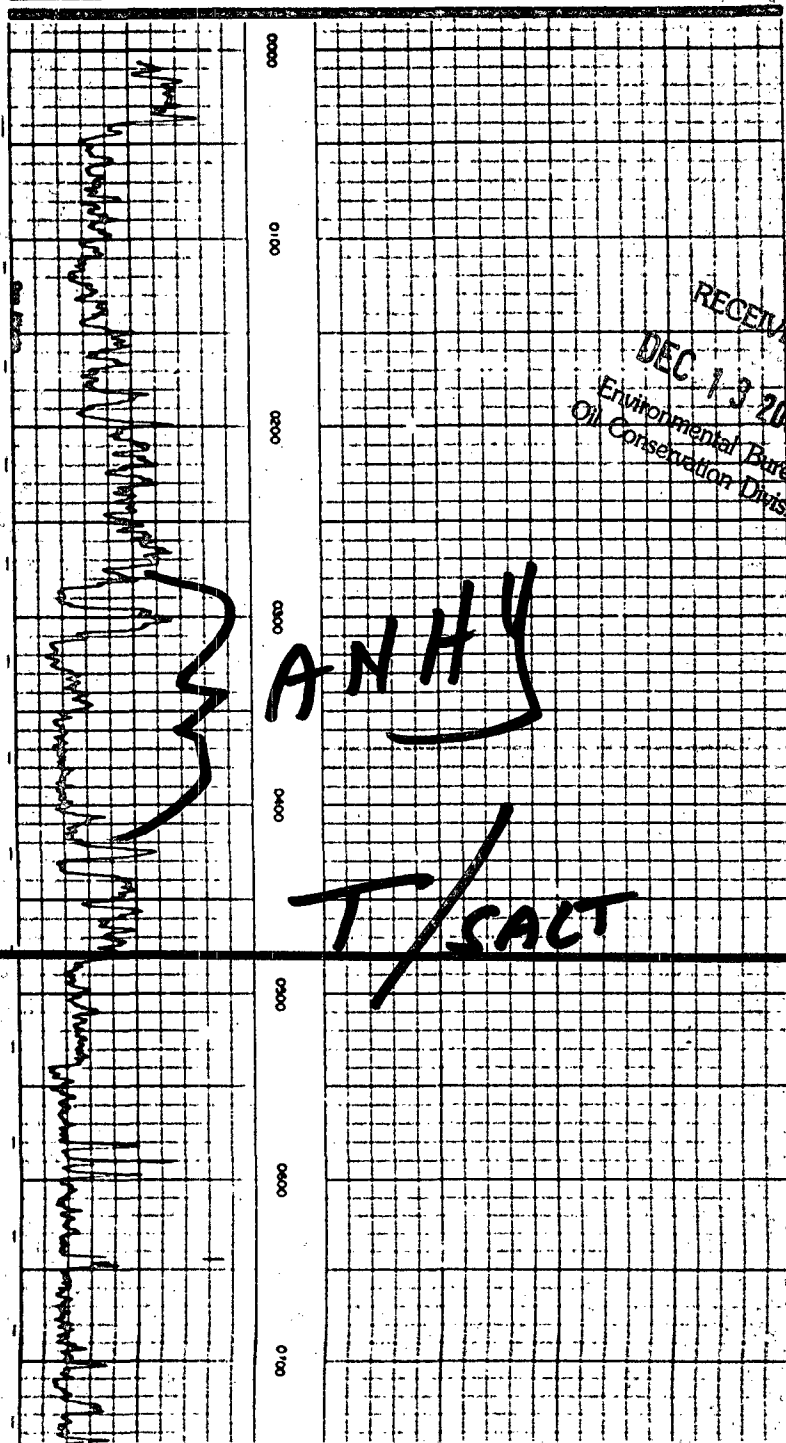
RECEIVED
DEC 13 2000
Environmental Bureau
Oil Conservation Division

Run No.	ONE		Run No.	ONE	
Tool Model No.	30C		Unit Type	9615	
Diam.	3 1/2"		Tool Model No.	30919	
Detect. Model No.	0664		Serial No.	30919	
Type	SCINT.		Diam.	3 1/8"	
Length	6'		Detect. Model SS		
Dist. to M. Source	72"		Detect. Model LS		
Computer Data			Source Model No.	5125305L	
			Serial No.	30797	
			Type	AM BE	

Logging Data

Run No.	Depths From	Depths To	Speed Ft./Min.	Compensated Neutron T.C. SS	T.C. LS	Sens. SS	Sens. LS	Porosity Zero	Porosity Limest. Cnv.	Porosity Scale	Gamma Ray T.C. Sec.	Gamma Ray Sens. Settings	Gamma Ray Zero Cnv. L or R	Gamma Ray API G.R. Units/Cm.
1	2838	SURF.	REC	1	1	153	157	A-15	2%	30-0	1	649	0	10

GAMMA RAY & CALIPER	DEPTH	POROSITY %
10 API/CD API UNITS 0 API 100 API		
HOLE SIZE - INCHES 6 16	2"=100' LR SURF.	LIMESTONE COMPENSATED NEUTRON POROSITY 30% 20% 10% 0



3 ANHY

T/SALT

RECEIVED
DEC 13 2000
Environmental Bureau
Oil Conservation Division

T22
22
NESW
16

SONARWIRE, INC.
P.O. BOX 576
ABITA SPRINGS, LA 70420
Office 504-893-9221
Toll free 888-211-6037
Fax 504-893-4798
E-mail: gmcsonwr@neosoft.com

Survey conducted by: Sean McCool

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM
BRINE WELL NO. 1
FEBRUARY 7, 2001

Survey from 500 ft. to 642 ft.
Sonar T.D. at 662 ft.
4 3/4 inch cemented at 499ft.
Zero sonar tool at C.H.F.
Site personnel: Mr. Randall Harris

SONARWIRE INC.
Depth versus Volume

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
506	2.8	2.8	0.5	0.5
507	184.7	187.5	32.9	33.4
508	443.6	631.2	79.0	112.4
509	846.9	1478.1	150.8	263.3
510	3124.0	4602.1	556.4	819.7
511	7421.6	12023.7	1321.8	2141.5
512	8117.6	20141.3	1445.8	3587.3
513	9281.8	29423.2	1653.2	5240.5
514	9253.6	38676.8	1648.1	6888.6
515	9289.3	47966.1	1654.5	8543.1
516	9610.9	57577.0	1711.8	10254.9
517	9972.3	67549.3	1776.2	12031.1
518	9847.2	77396.5	1753.9	13784.9
519	9726.6	87123.1	1732.4	15517.3
520	9629.0	96752.0	1715.0	17232.3
521	9536.6	106288.6	1698.5	18930.8
522	9172.7	115461.3	1633.7	20564.6
523	8835.8	124297.1	1573.7	22138.3
524	8577.3	132874.4	1527.7	23666.0
525	8336.6	141211.0	1484.8	25150.8
526	8082.6	149293.6	1439.6	26590.3
527	7846.5	157140.0	1397.5	27987.9
528	7742.5	164882.5	1379.0	29366.8
529	7655.0	172537.5	1363.4	30730.3
530	7537.3	180074.9	1342.5	32072.7
531	7422.5	187497.4	1322.0	33394.7
532	7310.6	194808.0	1302.1	34696.8
533	7129.3	201937.3	1269.8	35966.6
534	6969.7	208907.0	1241.4	37207.9
535	6831.8	215738.7	1216.8	38424.7
536	6187.6	221926.3	1102.1	39526.8
537	5597.1	227523.4	996.9	40523.7
538	5060.3	232583.7	901.3	41424.9
539	4158.8	236742.5	740.7	42165.7
540	3374.4	240116.8	601.0	42766.7
541	2707.0	242823.8	482.1	43248.8
542	2515.5	245339.3	448.0	43696.8
543	2340.1	247679.4	416.8	44113.6
544	2180.6	249860.0	388.4	44502.0
545	1968.5	251828.5	350.6	44852.6
546	1768.3	253596.8	315.0	45167.5
547	1580.2	255177.0	281.4	45449.0
548	1703.7	256880.7	303.4	45752.4
549	1852.8	258733.6	330.0	46082.4
550	2027.5	260761.0	361.1	46443.5
551	1785.1	262546.2	317.9	46761.5

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
552	1565.0	264111.1	278.7	47040.2
553	1366.9	265478.1	243.5	47283.7
554	6630.6	272108.7	1181.0	48464.7
555	16062.6	288171.2	2860.9	51325.5
556	29662.9	317834.1	5283.2	56608.7
557	29300.5	347134.6	5218.6	61827.4
558	28947.1	376081.7	5155.7	66983.1
559	28602.6	404684.3	5094.3	72077.4
560	28167.5	432851.9	5016.9	77094.3
561	27751.2	460603.1	4942.7	82037.0
562	27353.6	487956.7	4871.9	86908.9
563	26259.0	514215.6	4676.9	91585.8
564	25195.0	539410.6	4487.4	96073.2
565	24161.7	563572.3	4303.4	100376.6
566	23295.1	586867.4	4149.0	104525.6
567	22451.9	609319.3	3998.9	108524.5
568	21632.1	630951.5	3852.9	112377.3
569	20978.1	651929.6	3736.4	116113.7
570	20341.6	672271.2	3623.0	119736.7
571	19722.4	691993.6	3512.7	123249.4
572	17011.6	709005.2	3029.9	126279.3
573	14515.2	723520.4	2585.3	128864.6
574	12233.4	735753.8	2178.9	131043.4
575	11814.8	747568.6	2104.3	133147.7
576	11405.8	758974.4	2031.5	135179.2
577	11006.5	769980.9	1960.3	137139.5
578	10536.9	780517.8	1876.7	139016.2
579	10080.3	790598.2	1795.4	140811.6
580	9636.8	800235.0	1716.4	142528.0
581	9015.5	809250.5	1605.7	144133.8
582	8420.2	817670.7	1499.7	145633.5
583	7850.9	825521.5	1398.3	147031.7
584	7207.2	832728.7	1283.7	148315.4
585	6600.5	839329.2	1175.6	149491.0
586	6030.9	845360.1	1074.1	150565.1
587	5610.0	850970.1	999.2	151564.3
588	5206.1	856176.2	927.2	152491.6
589	4819.2	860995.4	858.3	153349.9
590	4500.5	865495.9	801.6	154151.5
591	4194.7	869690.6	747.1	154898.6
592	3902.0	873592.6	695.0	155593.6
593	3567.1	877159.7	635.3	156228.9
594	3256.1	880415.9	579.9	156808.9
595	2969.0	883384.9	528.8	157337.7
596	2680.6	886065.5	477.4	157815.1
597	2409.7	888475.2	429.2	158244.3
598	2156.3	890631.5	384.1	158628.3
599	1800.0	892431.6	320.6	158948.9

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
600	1482.9	893914.4	264.1	159213.1
601	1204.8	895119.2	214.6	159427.6
602	1137.5	896256.7	202.6	159630.2
603	1073.5	897330.2	191.2	159821.4
604	1012.8	898342.9	180.4	160001.8
605	10308.6	908651.6	1836.0	161837.9
606	29592.2	938243.8	5270.6	167108.5
607	58863.4	997107.1	10484.0	177592.5
608	64160.2	1061267.3	11427.4	189019.9
609	69709.2	1130976.5	12415.7	201435.6
610	75510.2	1206486.7	13448.9	214884.6
611	75380.5	1281867.2	13425.8	228310.4
612	75252.4	1357119.6	13403.0	241713.5
613	75126.1	1432245.7	13380.5	255094.0
614	75312.5	1507558.2	13413.7	268507.7
615	75504.5	1583062.8	13447.9	281955.7
616	75702.1	1658764.8	13483.1	295438.8
617	75484.9	1734249.8	13444.5	308883.3
618	75271.8	1809521.6	13406.5	322289.7
619	75062.6	1884584.2	13369.2	335659.0
620	74902.5	1959486.7	13340.7	348999.7
621	74750.4	2034237.1	13313.6	362313.3
622	74606.3	2108843.5	13288.0	375601.3
623	74349.6	2183193.0	13242.2	388843.5
624	74100.4	2257293.5	13197.9	402041.4
625	73859.0	2331152.5	13154.9	415196.2
626	73592.0	2404744.4	13107.3	428303.5
627	73330.2	2478074.6	13060.7	441364.2
628	73073.6	2551148.2	13015.0	454379.2
629	72450.4	2623598.6	12904.0	467283.2
630	71837.1	2695435.8	12794.8	480077.9
631	71233.8	2766669.6	12687.3	492765.2
632	70409.5	2837079.1	12540.5	505305.7
633	69605.1	2906684.2	12397.2	517702.9
634	68820.4	2975504.7	12257.5	529960.3
635	69331.2	3044835.9	12348.4	542308.7
636	69896.4	3114732.2	12449.1	554757.8
637	70515.9	3185248.1	12559.4	567317.3
638	66297.0	3251545.0	11808.0	579125.2
639	62274.6	3313819.6	11091.6	590216.8
640	58448.8	3372268.4	10410.2	600627.0
641	57396.0	3429664.4	10222.7	610849.7
642	56415.9	3486080.4	10048.1	620897.8
643	55508.5	3541588.9	9886.5	630784.3
644	52768.1	3594357.0	9398.4	640182.7
645	50105.9	3644462.8	8924.2	649106.9
646	47523.5	3691986.4	8464.3	657571.2
647	45021.6	3737007.9	8018.7	665589.9

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Cubic ft. per ft.	Cubic ft. total	Barrels per ft.	Barrels total
648	42597.4	3779605.3	7586.9	673176.9
649	40253.3	3819858.6	7169.4	680346.3
650	37987.3	3857845.9	6765.8	687112.1
651	36308.5	3894154.5	6466.8	693578.9
652	35669.8	3929824.3	6353.1	699932.0
653	32957.7	3962782.0	5870.0	705802.0
654	30365.3	3993147.3	5408.3	711210.3
655	28898.0	4022045.3	5147.0	716357.3
656	27472.1	4049517.4	4893.0	721250.3
657	26523.6	4076041.1	4724.1	725974.4
658	25268.8	4101309.8	4500.6	730474.9
659	23814.6	4125124.4	4241.6	734716.5
660	22160.3	4147284.8	3946.9	738663.4
661	20546.8	4167831.6	3659.5	742322.9
662	18359.4	4186191.0	3269.9	745592.9
663	16757.6	4202948.6	2984.7	748577.6
664	13791.3	4216739.9	2456.3	751033.9
665	10106.8	4226846.7	1800.1	752834.0
666	4348.9	4231195.6	774.6	753608.6
667	2158.4	4233354.0	384.4	753993.0

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

SONARWIRE, INC
Depth vs Volume

BRINE WELL NO. 1
Wed, Feb 7, 2001

SONARWIRE INC.
Max Radius & Depth vs Bearing

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

This table lists the maximum radius (in feet) found at each of the 128 bearings at which soundings were taken. Also listed after each radius, (separated by ':'), is the depth (in feet) at which that maximum radius was found. Bearings are shown, (in degrees), for each row of four 'radius : depth' pairs.

Bearing	+0.0	+2.8	+5.6	+8.4
0.0	160.4: 627	163.3: 627	164.2: 627	166.1: 627
11.3	169.0: 627	171.8: 630	173.7: 630	173.7: 630
22.5	172.8: 624	172.8: 636	172.8: 636	172.8: 636
33.8	172.8: 636	172.8: 636	172.8: 636	174.6: 639
45.0	174.6: 639	171.8: 642	173.7: 642	174.6: 642
56.3	174.6: 642	173.7: 642	160.4: 636	158.5: 615
67.5	158.5: 615	157.6: 615	156.6: 615	156.6: 615
78.8	156.6: 609	155.7: 609	152.8: 609	150.9: 609
90.0	150.9: 609	151.9: 612	152.8: 612	151.9: 612
101.3	152.8: 612	152.8: 609	150.0: 612	150.0: 609
112.5	150.0: 609	148.1: 612	148.1: 609	147.1: 612
123.8	146.2: 609	146.2: 609	148.1: 609	145.2: 612
135.0	145.2: 609	146.2: 609	144.3: 612	144.3: 609
146.3	145.2: 612	145.2: 609	145.2: 609	145.2: 609
157.5	143.3: 612	143.3: 612	144.3: 609	143.3: 612
168.8	143.3: 612	143.3: 615	145.2: 615	153.8: 621
180.0	152.8: 621	155.7: 621	154.7: 621	154.7: 621
191.3	155.7: 615	155.7: 612	155.7: 618	154.7: 609
202.5	153.8: 609	154.7: 612	151.9: 612	151.9: 609
213.8	150.9: 609	150.0: 609	149.0: 609	149.0: 609
225.0	147.1: 615	149.0: 609	147.1: 615	147.1: 621
236.3	150.0: 624	151.9: 624	151.9: 624	151.9: 621
247.5	152.8: 621	151.9: 630	151.9: 627	154.7: 636
258.8	153.8: 621	153.8: 624	153.8: 621	154.7: 624
270.0	156.6: 624	167.1: 624	169.9: 624	169.9: 624
281.3	169.0: 627	169.0: 615	169.0: 615	169.9: 615
292.5	170.9: 636	174.6: 627	176.5: 627	176.5: 636
303.8	177.5: 636	176.5: 636	175.6: 636	175.6: 636
315.0	175.6: 636	178.4: 633	176.5: 636	178.4: 642
326.3	177.5: 642	174.6: 642	173.7: 642	169.9: 642
337.5	167.1: 642	162.3: 624	162.3: 618	162.3: 618
348.8	162.3: 618	162.3: 615	161.4: 615	160.4: 609

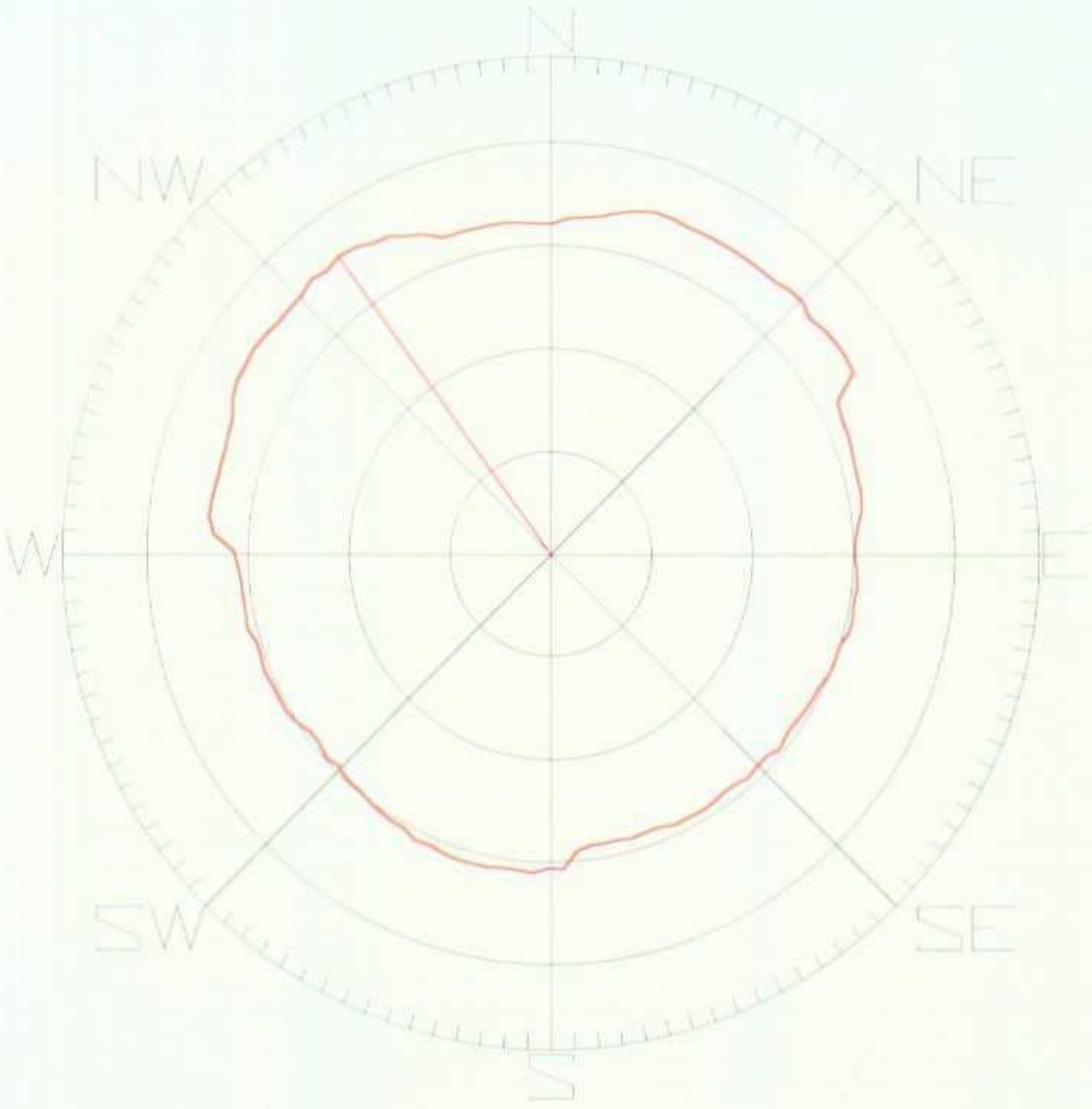
Between 505 and 667 foot depths, maximum radius
was 178.4 feet at bearing 323.4 at 642.0 foot depth

LOCO HILLS WATER DISPOSAL
BRINE WELL NO. 1
LOCO HILLS, NM

SONARWIRE, INC

Max Range vs Bearing

Max Radius=178.4 ft @ 323.9 deg
Depth= 642 ft Wed, Feb 7, 2001



1 inch = 75.0 ft.

200 150 100 50 0 50 100 150 200

SONARWIRE INC.
Average Wall Range versus Depth (ft.)

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Avg Rad ft.	Min Rad ft @ Az	Max Rad ft @ Az	Min Dia ft @ Az	Max Dia ft @ Az
505	1	1 @ 0.1	1 @ 357.2	2 @ 0.1-180.1	2 @ 0.1-180.1
506	7	2 @ 191.3	12 @ 132.2	11 @ 84.4-264.4	19 @ 140.7-320.7
508	14	4 @ 174.4	37 @ 2.9	20 @ 95.7-275.7	41 @ 2.9-182.9
510	46	14 @ 81.6	67 @ 11.3	70 @ 84.4-264.4	123 @ 67.5-247.6
512	54	43 @ 241.9	68 @ 357.2	95 @ 154.7-334.7	121 @ 81.6-261.6
514	54	38 @ 180.1	69 @ 343.2	100 @ 50.7-230.7	117 @ 16.9-196.9
516	56	43 @ 115.4	70 @ 337.6	103 @ 106.9-286.9	118 @ 157.6-337.6
518	56	43 @ 135.1	69 @ 346.0	104 @ 101.3-281.3	118 @ 166.0-346.0
520	55	43 @ 129.4	69 @ 348.8	103 @ 104.1-284.1	116 @ 16.9-196.9
522	53	42 @ 140.7	69 @ 329.1	98 @ 45.0-225.1	115 @ 0.1-180.1
524	51	39 @ 182.9	70 @ 329.1	93 @ 11.3-191.3	111 @ 149.1-329.1
526	50	36 @ 191.3	70 @ 329.1	86 @ 28.2-208.2	112 @ 149.1-329.1
528	49	32 @ 205.4	71 @ 331.9	79 @ 25.4-205.4	111 @ 140.7-320.7
531	47	33 @ 194.1	71 @ 323.5	76 @ 25.4-205.4	113 @ 143.5-323.5
534	45	24 @ 211.0	72 @ 317.9	73 @ 45.0-225.1	104 @ 135.1-315.1
537	39	21 @ 182.9	57 @ 357.2	66 @ 31.0-211.0	86 @ 76.0-256.0
540	29	19 @ 168.8	40 @ 292.6	49 @ 168.8-348.8	67 @ 45.0-225.1
543	27	19 @ 196.9	35 @ 309.4	46 @ 14.1-194.1	60 @ 118.2-298.2
546	23	17 @ 194.1	29 @ 317.9	41 @ 11.3-191.3	50 @ 104.1-284.1
549	25	14 @ 143.5	46 @ 295.4	36 @ 166.0-346.0	67 @ 106.9-286.9
552	20	11 @ 129.4	44 @ 292.6	27 @ 171.6-351.6	61 @ 109.7-289.7
555	97	82 @ 151.9	121 @ 295.4	177 @ 154.7-334.7	221 @ 106.9-286.9
558	95	81 @ 146.3	119 @ 298.2	176 @ 151.9-331.9	218 @ 101.3-281.3
561	93	82 @ 163.2	118 @ 303.8	168 @ 45.0-225.1	221 @ 115.4-295.4
564	87	74 @ 140.7	113 @ 301.0	156 @ 39.4-219.4	206 @ 101.3-281.3
567	83	66 @ 163.2	113 @ 301.0	146 @ 31.0-211.0	195 @ 101.3-281.3
570	79	62 @ 140.7	110 @ 301.0	138 @ 28.2-208.2	188 @ 118.2-298.2
573	62	53 @ 239.1	86 @ 303.8	110 @ 56.3-236.3	156 @ 112.6-292.6
576	59	50 @ 149.1	78 @ 303.8	107 @ 64.7-244.7	142 @ 123.8-303.8
579	55	47 @ 180.1	73 @ 303.8	100 @ 61.9-241.9	132 @ 115.4-295.4
582	50	40 @ 171.6	69 @ 301.0	87 @ 42.2-222.2	124 @ 106.9-286.9
585	44	35 @ 180.1	54 @ 303.8	80 @ 31.0-211.0	97 @ 123.8-303.8
588	39	32 @ 182.9	47 @ 301.0	72 @ 47.9-227.9	89 @ 112.6-292.6
591	35	30 @ 135.1	44 @ 323.5	65 @ 22.6-202.6	77 @ 112.6-292.6
594	31	24 @ 92.9	39 @ 301.0	52 @ 42.2-222.2	68 @ 168.8-348.8
597	26	18 @ 98.5	32 @ 275.7	45 @ 45.0-225.1	61 @ 151.9-331.9
600	20	13 @ 123.8	28 @ 292.6	29 @ 47.9-227.9	45 @ 0.1-180.1
603	18	13 @ 50.7	27 @ 292.6	27 @ 36.6-216.6	40 @ 106.9-286.9
606	137	123 @ 140.7	151 @ 312.2	265 @ 81.6-261.6	284 @ 22.6-202.6
609	155	143 @ 174.4	169 @ 28.2	301 @ 87.2-267.2	321 @ 16.9-196.9
612	155	143 @ 163.2	170 @ 25.4	301 @ 78.8-258.8	325 @ 25.4-205.4
615	156	142 @ 160.4	170 @ 33.8	300 @ 84.4-264.4	321 @ 14.1-194.1
618	155	142 @ 154.7	171 @ 292.6	301 @ 81.6-261.6	323 @ 22.6-202.6
621	154	140 @ 166.0	172 @ 303.8	296 @ 168.8-348.8	323 @ 16.9-196.9
624	154	139 @ 157.6	175 @ 301.0	297 @ 73.2-253.2	320 @ 19.7-199.7
627	153	137 @ 182.9	177 @ 298.2	293 @ 168.8-348.8	322 @ 118.2-298.2
630	151	136 @ 180.1	174 @ 16.9	292 @ 0.1-180.1	315 @ 16.9-196.9

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Avg Rad ft.	Min Rad ft @ Az	Max Rad ft @ Az	Min Dia ft @ Az	Max Dia ft @ Az
633	148	131 @ 185.7	179 @ 317.9	288 @ 2.9-182.9	313 @ 137.9-317.9
636	149	122 @ 227.9	178 @ 303.8	281 @ 2.9-182.9	317 @ 118.2-298.2
639	136	112 @ 222.2	178 @ 323.5	253 @ 118.2-298.2	297 @ 143.5-323.5
642	132	111 @ 227.9	179 @ 323.5	243 @ 118.2-298.2	294 @ 143.5-323.5
652	104	94 @ 208.2	116 @ 39.4	198 @ 168.8-348.8	219 @ 81.6-261.6
660	90	78 @ 227.9	104 @ 331.9	169 @ 11.3-191.3	186 @ 146.3-326.3
664	77	66 @ 199.7	87 @ 22.6	146 @ 61.9-241.9	159 @ 166.0-346.0
666	66	59 @ 180.1	71 @ 42.2	127 @ 177.2-357.2	135 @ 132.2-312.2
667	53	49 @ 185.7	59 @ 354.4	104 @ 73.2-253.2	109 @ 149.1-329.1
666	44	41 @ 208.2	48 @ 348.8	87 @ 0.1-180.1	90 @ 8.5-188.5
664	32	27 @ 329.1	35 @ 50.7	59 @ 126.6-306.6	68 @ 61.9-241.9
663	26	25 @ 211.0	28 @ 16.9	51 @ 64.7-244.7	54 @ 16.9-196.9
661	20	19 @ 301.0	23 @ 174.4	38 @ 126.6-306.6	44 @ 8.5-188.5
662	20	19 @ 320.7	22 @ 76.0	39 @ 140.7-320.7	41 @ 11.3-191.3
663	21	21 @ 357.2	21 @ 0.1	42 @ 0.1-180.1	42 @ 0.1-180.1

SONARWIRE INC.
Wall Ranges versus Depth (ft.)

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

Depth	Tilt	N	NE	E	SE	S	SW	W	NW
505	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
506	0	9.8	10.4	9.2	11.7	2.8	1.9	1.9	4.1
508	0	23.4	26.6	13.3	20.9	3.8	3.8	7.0	7.9
510	0	65.0	59.5	13.9	20.2	27.0	46.4	56.1	53.1
512	0	67.9	54.0	55.7	48.5	49.4	47.2	56.5	60.7
514	0	68.3	54.4	52.3	43.9	37.1	47.2	56.1	63.7
516	0	67.9	65.4	51.9	45.1	48.5	49.8	55.7	64.5
518	0	66.2	59.9	48.5	42.2	48.1	48.9	56.1	64.1
520	0	67.1	60.3	51.9	43.0	46.4	47.2	54.0	62.0
522	0	67.1	49.8	45.1	42.2	47.2	47.7	54.0	62.9
524	0	61.2	48.9	44.3	41.3	38.4	48.5	56.5	62.9
526	0	54.8	49.4	43.9	41.3	38.0	48.5	52.7	64.1
528	0	55.3	45.6	42.6	40.9	34.6	38.0	59.5	68.8
531	0	55.7	44.7	38.0	41.8	34.2	35.0	56.9	67.1
534	0	56.9	43.9	46.0	32.5	24.5	29.1	50.2	71.3
537	0	56.1	45.1	37.1	29.9	21.1	24.9	37.1	52.3
540	0	31.6	33.3	25.7	20.2	20.2	33.3	36.7	34.6
543	0	27.8	28.3	28.3	22.4	19.4	21.5	27.4	32.9
546	0	24.0	25.3	23.2	16.9	17.3	19.4	22.8	28.3
549	0	21.1	32.1	24.9	14.8	16.0	17.7	28.3	36.7
552	0	15.6	22.8	24.9	11.4	13.1	14.8	21.1	25.7
555	0	97.5	94.9	103.1	84.8	86.7	86.7	113.9	112.0
558	0	96.2	93.0	100.6	82.3	84.2	84.8	110.7	111.4
561	0	94.3	84.8	93.7	84.8	83.5	82.3	102.5	109.5
564	0	86.7	78.5	94.9	76.6	74.7	79.1	101.3	103.8
567	0	84.8	77.8	87.3	71.5	70.2	70.2	91.1	104.4
570	0	79.1	77.8	82.9	69.0	62.6	67.7	87.3	102.5
573	0	60.6	58.7	67.6	59.4	56.2	53.7	61.3	77.7
576	0	57.6	56.3	63.9	60.1	50.6	50.6	61.4	70.9
579	0	56.3	54.4	54.4	53.8	46.8	48.1	56.3	67.7
582	0	51.9	45.6	46.2	47.5	40.5	40.5	51.3	61.4
585	0	50.6	41.1	39.9	41.1	34.8	39.2	46.8	51.3
588	0	42.4	36.1	36.7	38.0	31.6	35.4	43.0	46.2
591	0	38.6	31.0	32.3	29.1	30.4	34.2	39.2	43.0
594	0	32.9	27.2	24.0	25.9	32.9	25.9	34.2	35.4
597	0	29.7	20.3	18.4	21.5	28.5	24.0	31.0	31.0
600	0	24.7	14.6	15.2	14.6	19.6	14.6	26.6	23.4
603	0	23.4	12.7	13.3	12.0	15.8	14.6	24.0	22.8
606	0	139.2	140.9	132.5	124.0	137.5	137.5	133.3	149.4
609	0	159.5	161.4	150.9	145.2	144.3	147.1	150.9	161.4
612	0	159.5	162.3	150.9	143.3	144.3	147.1	150.9	161.4
615	0	159.5	162.3	150.9	144.3	151.9	147.1	154.7	161.4
618	0	157.6	160.4	150.0	143.3	150.9	145.2	151.9	162.3
621	0	159.5	158.5	150.0	144.3	152.8	145.2	152.8	160.4
624	0	156.6	159.5	150.0	142.4	143.3	143.3	156.6	159.5
627	0	160.4	159.5	150.0	139.5	136.7	144.3	154.7	160.4
630	0	155.7	158.5	148.1	139.5	135.7	141.4	152.8	162.3

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

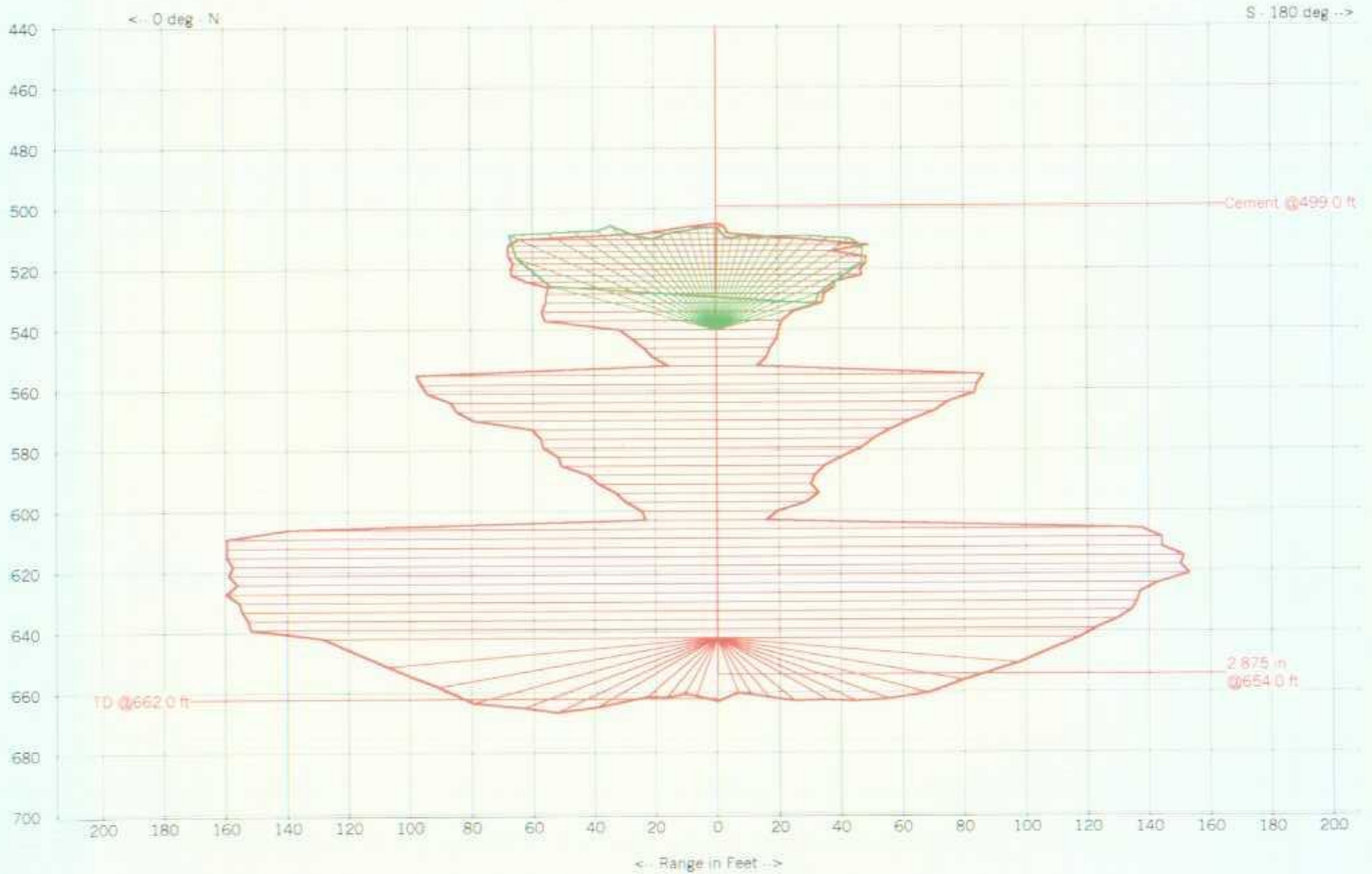
Depth	Tilt	N	NE	E	SE	S	SW	W	NW
633	0	154.7	159.5	139.5	133.8	133.8	142.4	153.8	174.6
636	0	152.8	169.0	146.2	134.8	129.1	121.5	153.8	175.6
639	0	151.9	174.6	131.0	117.7	122.4	113.9	138.6	146.2
642	0	128.1	169.9	125.3	113.0	117.7	110.1	125.3	146.2
642	- 5	108.2	113.0	108.2	94.0	97.8	95.9	108.2	106.3
642	-10	92.1	94.0	93.0	86.4	80.7	77.8	89.2	93.0
642	-15	82.6	86.4	78.8	72.1	70.2	69.3	75.9	83.5
642	-20	67.4	70.2	64.5	64.5	58.8	60.7	64.5	69.3
642	-25	57.9	54.1	54.1	51.3	49.4	51.3	50.3	54.1
642	-30	45.6	45.6	44.6	41.8	40.8	41.8	43.7	45.6
642	-40	30.4	33.2	32.3	33.2	32.3	32.3	30.4	27.5
642	-50	25.6	26.6	25.6	25.6	25.6	25.6	25.6	26.6
642	-60	21.5	21.5	19.9	19.0	21.5	19.3	19.0	19.3
642	-70	20.2	20.2	20.9	19.9	19.3	19.0	19.0	19.3
642	-90	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
540	89	33.8	33.8	33.8	33.8	33.8	32.9	33.8	33.8
540	85	33.8	33.8	34.6	33.8	30.8	30.8	30.8	33.3
540	80	34.2	35.0	34.2	34.2	30.8	31.2	31.2	31.6
540	75	34.2	34.6	33.8	34.2	32.5	32.1	31.6	31.2
540	70	34.6	34.6	33.3	34.2	32.5	33.3	32.9	32.1
540	65	35.4	37.1	33.3	35.0	33.8	34.2	34.6	33.3
540	60	35.9	38.0	34.2	35.4	35.9	37.1	36.7	33.8
540	55	36.7	42.2	35.4	38.4	38.0	39.2	38.4	37.5
540	50	40.5	41.8	37.5	40.5	40.5	41.3	40.9	40.5
540	45	48.5	46.4	43.9	43.9	43.9	45.6	44.3	43.0
540	40	51.1	51.9	49.8	46.8	47.3	48.9	50.2	50.6
540	35	56.5	56.5	51.9	53.6	52.7	53.6	50.6	56.1
540	30	64.1	62.9	47.7	46.4	54.8	54.4	65.4	61.2
540	25	74.7	59.5	50.6	44.3	51.9	54.8	60.8	67.1
540	20	69.2	50.2	43.5	42.6	35.4	52.3	59.9	68.8
540	15	54.0	46.0	41.8	43.5	32.9	38.0	62.0	69.6

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

SONARWIRE, INC

Vertical Cross Section

BRINE WELL NO. 1
Wed, Feb 7, 2001
Wed, Feb 7, 2001

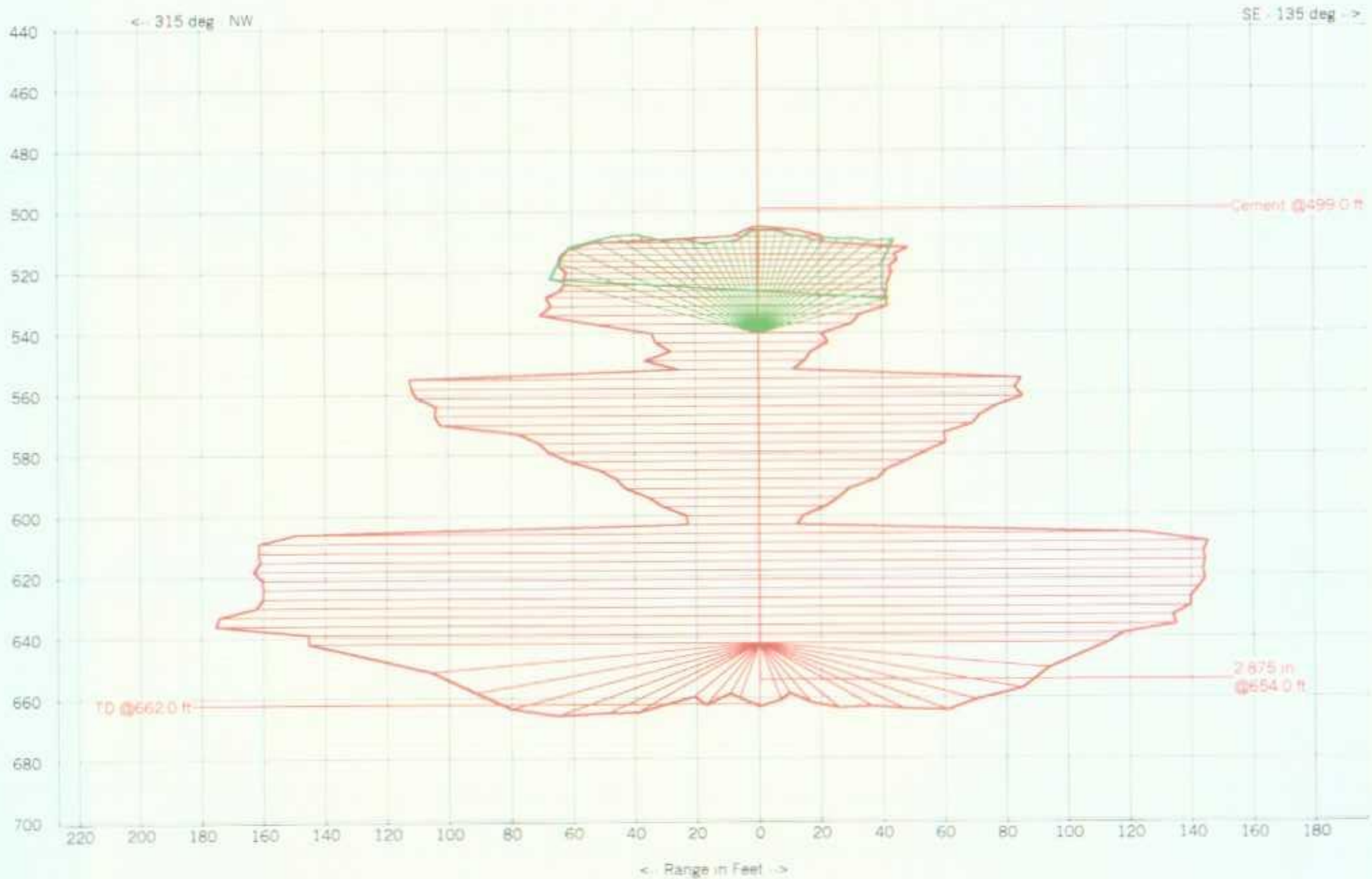


LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

SONARWIRE, INC

Vertical Cross Section

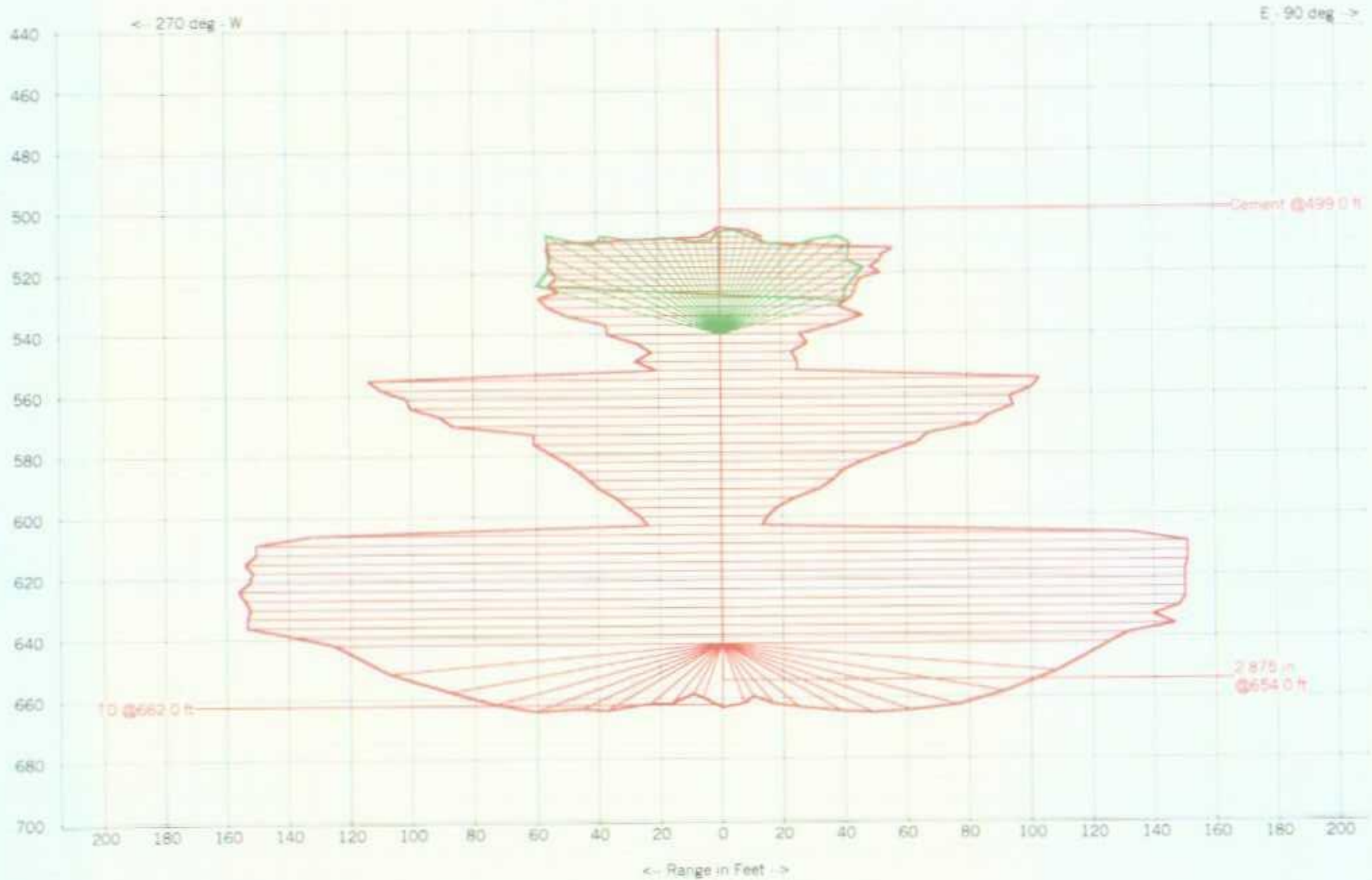
BRINE WELL NO. 1
Wed, Feb 7, 2001
Wed, Feb 7, 2001



LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

SONARWIRE, INC
Vertical Cross Section

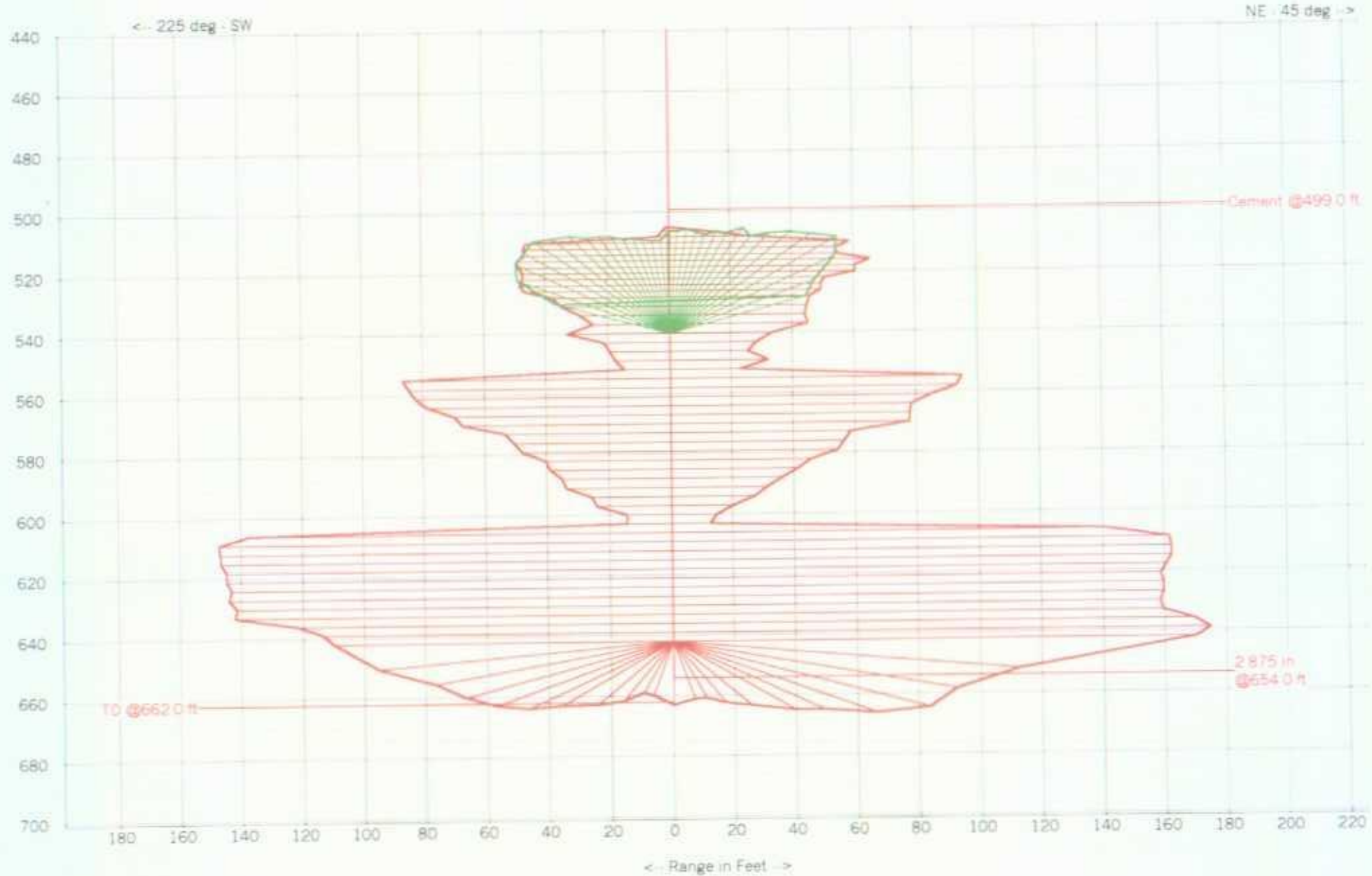
BRINE WELL NO. 1
Wed, Feb 7, 2001
Wed, Feb 7, 2001



LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

SONARWIRE, INC
Vertical Cross Section

BRINE WELL NO. 1
Wed, Feb 7, 2001
Wed, Feb 7, 2001



3D SHADE PLOT

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM
BRINE WELL NO. 1
WED, FEB 7, 2001

VIEWING AZIMUTH: 45
AXIS TILT: -5 DEGS.

3D SHADE PLOT

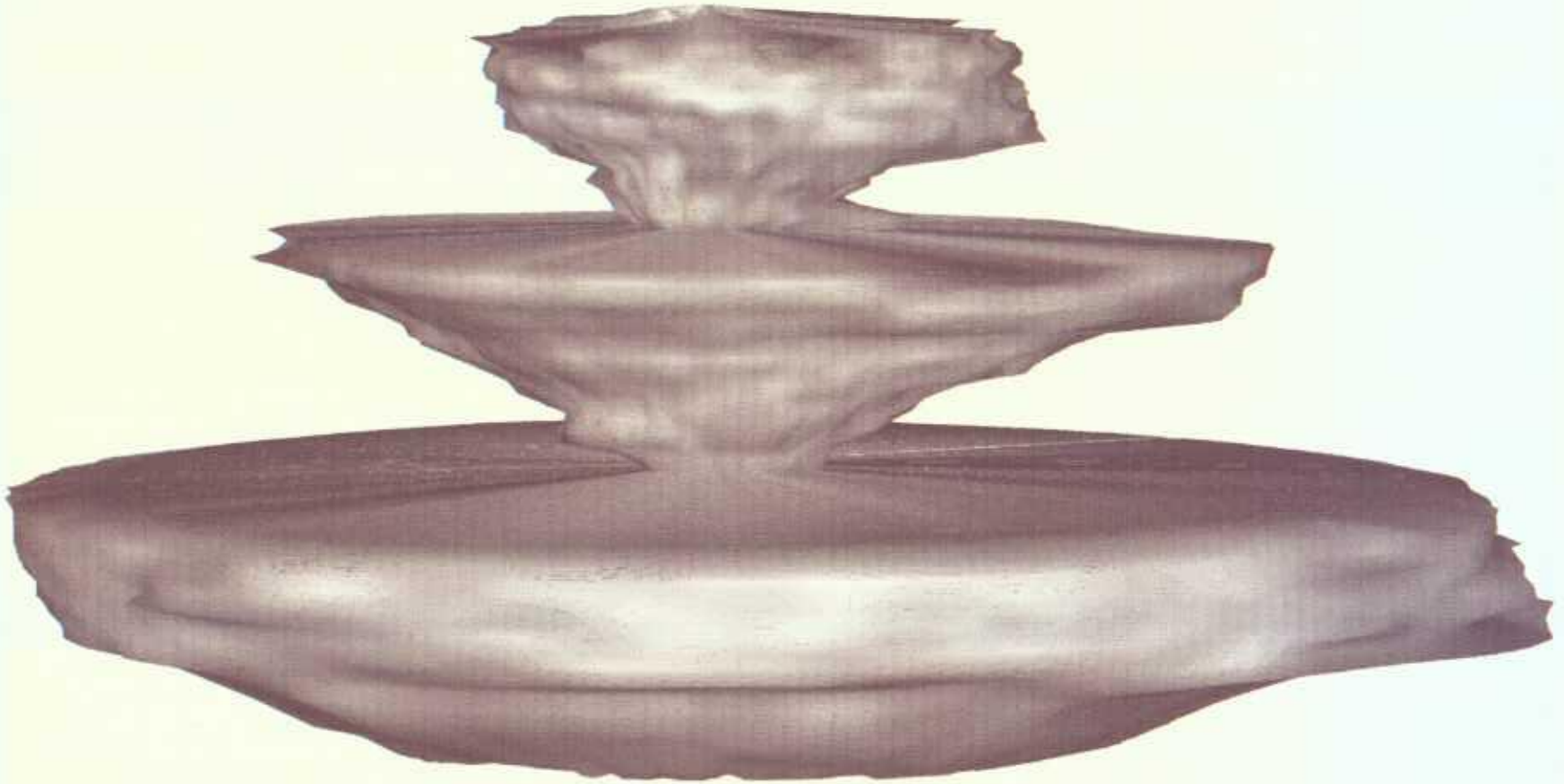
LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM
BRINE WELL NO. 1
WED, FEB 7, 2001

VIEWING AZIMUTH: 135
AXIS TILT: -5 DEGS.

3D SHADE PLOT

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM
BRINE WELL NO. 1
WED, FEB 7, 2001

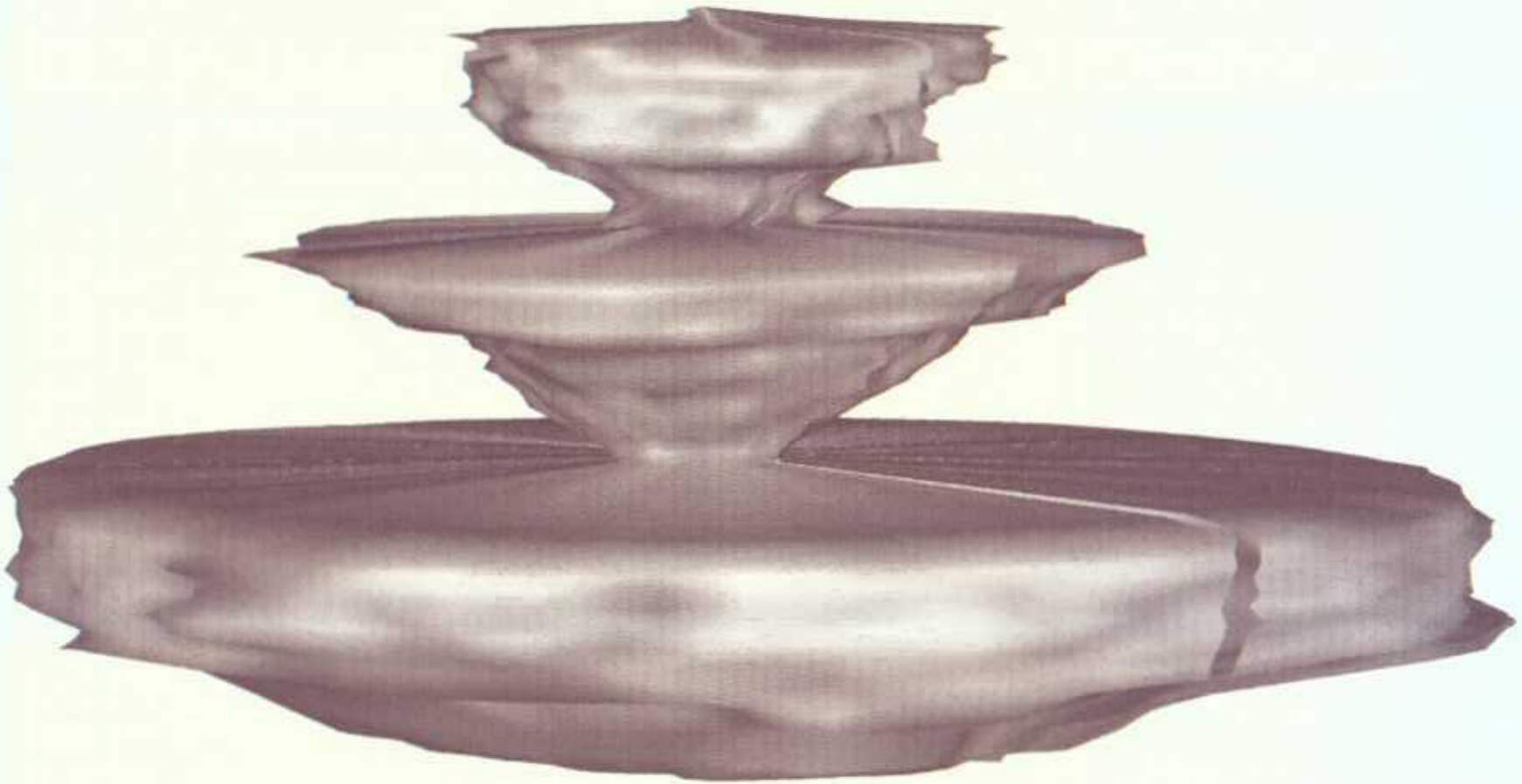
VIEWING AZIMUTH: 225
AXIS TILT: -5 DEGS.



LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM
BRINE WELL NO. 1
WED, FEB 7, 2001

3D SHADE PLOT

VIEWING AZIMUTH: 315
AXIS TILT: -5 DEGS.



SONARWIRE INC.
Wall Ranges versus Depth (ft.)

LOCO HILLS WATER DISPOSAL
LOCO HILLS, NM

BRINE WELL NO. 1
Wed, Feb 7, 2001

DEPTH: 505 TILT: 0 RANGE: 75.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
22.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
45.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
112.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
135.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
202.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
225.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
247.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
270.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
292.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
315.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
337.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

DEPTH: 506 TILT: 0 RANGE: 75.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	9.8	10.1	10.1	10.1	10.1	10.4	10.8	10.4
22.5	10.4	10.4	10.4	10.4	10.4	10.1	10.1	10.1
45.0	10.4	11.1	11.1	11.1	10.8	10.8	10.4	10.4
67.5	10.4	10.4	10.1	9.8	9.5	9.2	8.9	8.9
90.0	9.2	9.2	9.5	9.5	9.5	9.5	9.5	9.5
112.5	9.8	9.8	10.1	10.4	10.8	11.1	11.4	11.7
135.0	11.7	11.4	11.1	10.4	10.1	9.8	8.9	8.2
157.5	7.9	7.3	7.0	5.1	4.1	3.8	3.5	3.2
180.0	2.8	2.5	2.2	2.2	1.9	1.9	1.9	1.9
202.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
225.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
247.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
270.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
292.5	1.9	2.2	2.5	2.8	2.8	2.8	3.2	3.8
315.0	4.1	4.1	7.9	8.2	8.5	8.9	9.2	9.5
337.5	9.5	9.5	9.5	9.5	9.8	9.8	9.8	9.8

DEPTH: 508 TILT: 0 RANGE: 75.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	23.4	36.7	36.1	35.4	34.8	33.2	32.3	31.3
22.5	29.4	27.8	27.5	27.2	26.9	26.6	26.6	26.6
45.0	26.6	26.9	27.8	28.5	29.1	29.7	29.7	26.6
67.5	16.1	15.2	15.5	15.5	14.2	14.2	13.9	13.6
90.0	13.3	13.0	12.7	12.3	12.7	13.0	13.3	13.6
112.5	13.9	14.2	15.2	15.5	15.8	16.5	19.3	20.9
135.0	20.9	20.9	12.3	12.0	11.7	10.1	7.6	4.7
157.5	4.7	4.4	4.1	3.8	3.8	3.8	3.5	3.5
180.0	3.8	4.1	4.4	4.4	4.4	4.4	4.4	4.4
202.5	4.4	4.4	4.4	4.4	4.1	4.1	3.8	3.8
225.0	3.8	3.8	4.1	4.4	4.4	4.4	4.7	5.1
247.5	5.4	5.4	5.4	5.4	5.7	6.0	6.3	6.6
270.0	7.0	7.0	7.0	7.3	7.6	7.9	8.2	8.2
292.5	7.9	7.9	7.9	7.6	7.6	7.6	7.9	7.9
315.0	7.9	8.2	8.5	9.2	20.3	19.9	19.3	19.0
337.5	18.7	18.7	18.7	18.7	19.0	19.9	19.9	21.2

DEPTH: 510 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	65.0	63.7	63.7	64.5	66.6	66.6	65.8	65.8
22.5	64.5	60.7	61.2	59.5	58.2	53.6	54.0	54.4
45.0	59.5	60.3	65.4	65.4	65.4	65.4	65.0	64.5
67.5	64.1	63.3	61.6	58.2	57.4	13.9	13.9	13.9
90.0	13.9	13.9	13.9	14.3	15.2	15.2	16.0	16.5
112.5	16.9	17.3	17.7	18.1	18.6	19.0	19.4	19.8
135.0	20.2	21.1	21.1	21.1	21.1	21.5	22.4	22.8
157.5	23.6	24.0	24.0	24.5	24.9	25.3	26.6	26.6
180.0	27.0	28.3	28.7	29.9	31.2	32.9	34.2	34.6
202.5	35.0	35.9	38.4	40.9	42.2	44.3	45.6	46.0
225.0	46.4	46.4	46.8	46.8	47.2	48.9	51.9	55.7
247.5	58.2	58.2	57.4	56.5	56.5	55.7	55.3	56.1
270.0	56.1	56.5	57.4	59.5	60.7	60.3	61.2	60.3
292.5	59.1	58.2	59.9	61.6	61.6	61.2	60.3	54.0
315.0	53.1	53.1	50.2	51.0	52.3	53.6	54.0	55.3
337.5	57.4	59.1	60.3	62.0	65.8	65.8	65.4	65.0

DEPTH: 512 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	67.9	67.5	67.1	65.4	65.4	66.6	66.6	66.2
22.5	65.4	65.8	64.5	62.4	60.7	57.4	57.4	55.7
45.0	54.0	53.1	54.0	55.3	61.6	62.0	61.6	61.2
67.5	62.0	64.5	64.5	64.1	62.9	63.3	62.4	58.2
90.0	55.7	53.6	52.3	50.6	46.0	46.0	46.0	46.4
112.5	46.0	45.6	45.1	45.6	45.1	46.8	48.1	48.1
135.0	48.5	48.5	48.1	48.1	48.1	48.5	48.5	46.4
157.5	46.4	46.0	46.8	47.2	47.2	47.2	48.5	48.9
180.0	49.4	49.4	49.8	50.6	50.2	51.0	51.5	50.6
202.5	50.2	49.4	48.5	48.1	47.7	47.7	48.1	47.2
225.0	47.2	44.3	44.3	45.1	43.4	42.6	42.2	44.7
247.5	43.9	51.0	50.6	51.5	56.9	56.9	56.1	56.5
270.0	56.5	56.5	56.1	56.1	57.8	57.8	58.6	58.6
292.5	59.1	59.1	58.6	58.2	58.2	57.8	60.3	60.3
315.0	60.7	60.7	56.5	53.6	52.7	47.7	46.8	47.7
337.5	48.9	50.6	53.6	55.7	56.5	59.1	67.1	67.9

DEPTH: 514 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	68.3	68.8	68.3	67.5	65.8	65.4	65.4	65.0
22.5	64.5	64.1	63.3	63.7	62.0	60.3	56.5	55.3
45.0	54.4	54.4	52.3	52.3	52.7	63.3	61.6	61.6
67.5	63.3	63.3	62.9	59.5	59.1	58.2	57.4	53.6
90.0	52.3	51.9	48.9	48.5	47.7	47.2	46.4	46.0
112.5	46.0	46.4	45.1	44.7	43.9	44.7	44.7	43.9
135.0	43.9	43.4	43.4	43.4	43.4	43.9	43.9	44.3
157.5	42.6	41.8	40.9	40.5	40.1	39.7	39.2	37.1
180.0	37.1	37.5	38.8	39.7	41.8	42.2	51.5	50.6
202.5	50.6	50.6	50.6	44.3	44.7	45.1	45.1	45.6
225.0	47.2	46.8	47.2	47.7	49.4	51.9	42.6	42.2
247.5	41.8	41.8	42.2	44.7	46.0	48.1	50.2	55.3
270.0	56.1	55.7	55.7	55.7	56.1	56.5	57.4	58.2
292.5	59.1	60.3	61.2	61.6	61.6	62.0	62.9	63.3
315.0	63.7	64.5	65.0	65.4	65.8	66.2	67.9	67.9
337.5	68.3	68.3	68.8	68.3	68.3	67.9	68.3	68.3

DEPTH: 516 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	67.9	67.5	67.5	63.7	62.4	61.6	62.4	62.4
22.5	63.7	63.3	63.3	62.4	62.9	65.0	65.4	65.4
45.0	65.4	65.4	65.4	64.1	64.1	64.1	63.7	62.9
67.5	61.6	61.2	59.1	58.2	56.5	56.1	54.4	52.3
90.0	51.9	48.5	48.1	46.4	44.7	44.7	43.9	43.9
112.5	42.6	42.2	43.4	44.7	44.7	45.1	45.1	44.3
135.0	45.1	45.1	45.1	45.1	46.0	46.0	47.2	47.7
157.5	48.1	48.1	48.1	48.1	48.1	47.7	47.7	48.5
180.0	48.5	48.1	48.1	47.7	48.5	48.5	46.0	46.4
202.5	47.7	47.7	47.7	47.7	47.2	46.8	46.0	47.2
225.0	49.8	50.2	50.2	51.0	51.0	52.3	51.9	52.7
247.5	53.6	54.0	54.8	55.3	56.1	56.9	55.7	55.7
270.0	55.7	56.5	57.4	57.8	58.6	58.2	58.2	59.9
292.5	60.7	60.7	60.7	61.6	62.4	63.3	63.7	64.1
315.0	64.5	65.0	65.8	66.2	67.9	68.3	68.3	68.8
337.5	69.2	69.2	68.8	69.2	68.3	68.3	67.9	67.9

DEPTH: 518 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	66.2	65.8	66.2	62.4	61.6	62.0	63.7	64.1
22.5	64.5	62.9	62.0	61.6	60.7	60.7	61.2	61.6
45.0	59.9	60.3	60.7	61.2	61.6	62.0	62.4	62.9
67.5	61.6	58.6	56.9	54.8	53.6	51.9	51.5	50.2
90.0	48.5	48.1	48.1	46.0	45.1	45.1	45.6	44.7
112.5	44.3	44.3	43.9	43.4	43.0	42.6	43.0	42.6
135.0	42.2	43.0	45.6	46.0	46.8	47.2	47.7	47.7
157.5	46.8	46.8	47.2	48.5	48.5	48.1	48.1	48.9
180.0	48.1	47.7	46.0	46.0	46.0	46.0	49.8	47.7
202.5	49.4	48.1	48.5	48.1	48.1	48.1	47.7	48.1
225.0	48.9	48.9	50.2	51.0	51.5	52.3	51.9	51.9
247.5	52.7	54.0	53.6	54.4	54.4	56.1	56.1	56.1
270.0	56.1	56.5	57.8	57.8	58.2	58.6	58.6	59.5
292.5	59.9	60.3	61.2	61.6	62.0	62.4	62.9	63.3
315.0	64.1	65.8	66.2	67.1	67.1	67.1	67.9	67.9
337.5	68.3	68.8	68.8	68.8	67.9	67.5	67.9	67.5

DEPTH: 520 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	67.1	66.6	67.1	67.1	66.6	65.8	65.8	65.4
22.5	64.5	63.3	62.4	62.0	61.6	60.7	60.7	60.7
45.0	60.3	60.3	59.9	60.7	60.7	59.9	59.5	58.2
67.5	57.4	56.5	56.1	54.4	54.0	53.1	52.7	52.3
90.0	51.9	51.0	49.8	48.1	47.2	44.3	44.7	44.3
112.5	44.3	44.3	44.3	44.3	44.7	43.9	42.6	42.6
135.0	43.0	43.4	43.9	44.3	45.6	46.4	46.8	47.2
157.5	47.7	47.2	46.8	46.8	46.4	46.4	46.4	46.4
180.0	46.4	47.2	47.2	47.7	48.1	48.5	49.8	49.8
202.5	48.9	48.5	48.1	47.2	47.2	47.2	48.1	47.7
225.0	47.2	48.1	48.1	48.5	49.8	50.6	51.0	51.5
247.5	51.5	51.0	51.0	50.6	52.7	52.3	51.9	53.6
270.0	54.0	55.7	55.7	56.1	56.5	57.8	58.6	58.2
292.5	58.6	58.6	59.5	59.9	59.9	60.3	60.7	60.7
315.0	62.0	62.4	63.3	64.5	65.0	65.8	66.6	66.6
337.5	66.6	67.5	68.3	68.8	68.8	68.3	67.9	67.9

DEPTH: 522 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	67.1	66.2	66.2	65.8	56.1	55.7	55.3	54.8
22.5	54.8	54.4	53.6	53.1	53.6	54.0	55.7	55.3
45.0	49.8	49.8	49.8	50.2	50.2	50.6	51.0	51.9
67.5	51.9	51.0	50.6	51.0	50.6	50.6	48.1	47.7
90.0	45.1	45.6	45.1	45.1	45.6	44.7	44.3	44.3
112.5	43.9	44.7	44.7	44.3	43.9	43.9	43.4	43.0
135.0	42.2	42.2	41.3	41.8	42.2	41.8	43.4	43.9
157.5	43.9	43.9	44.7	45.1	45.6	46.0	46.4	46.8
180.0	47.2	47.2	47.2	47.7	48.9	48.5	48.5	46.0
202.5	45.6	46.0	45.6	45.1	46.4	47.2	47.2	47.7
225.0	47.7	48.1	48.5	48.5	48.9	50.6	50.6	50.6
247.5	50.6	50.6	51.0	50.6	51.0	51.9	52.3	52.7
270.0	54.0	56.1	57.8	59.1	59.5	59.9	59.9	59.5
292.5	59.5	59.5	59.1	59.5	59.9	60.3	62.0	62.4
315.0	62.9	63.7	64.5	67.5	67.5	68.3	68.3	68.3
337.5	67.9	67.1	66.2	66.6	67.5	67.9	67.9	67.1

DEPTH: 524 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	61.2	60.7	58.6	55.3	53.6	53.6	52.7	51.9
22.5	51.9	51.0	49.8	50.6	52.3	51.9	51.5	50.2
45.0	48.9	48.5	48.1	48.1	48.5	48.1	48.5	48.9
67.5	49.4	51.5	50.6	50.2	47.2	47.2	43.4	44.3
90.0	44.3	43.4	44.7	44.3	44.7	44.7	44.7	44.7
112.5	44.7	44.3	43.9	43.9	44.3	43.9	43.4	41.8
135.0	41.3	41.8	40.9	40.9	40.9	40.9	40.9	40.9
157.5	41.3	41.3	40.5	39.2	39.2	38.8	38.4	38.4
180.0	38.4	38.4	38.8	38.8	39.2	39.7	40.5	40.9
202.5	41.3	41.8	43.0	44.7	46.8	46.8	47.7	48.1
225.0	48.5	48.9	49.4	49.8	49.8	49.8	50.2	51.0
247.5	50.6	49.8	49.4	49.4	50.6	51.5	52.3	53.6
270.0	56.5	57.4	58.6	59.5	59.9	60.7	60.7	60.7
292.5	60.7	60.7	60.7	60.3	60.3	61.6	61.6	61.6
315.0	62.9	65.4	68.3	67.5	68.3	69.2	68.8	68.8
337.5	68.3	64.5	64.1	64.5	68.8	68.8	67.9	67.9

DEPTH: 526 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	54.8	54.4	54.0	54.0	54.4	54.4	53.1	51.9
22.5	51.0	51.0	49.4	49.4	49.4	49.4	49.4	49.4
45.0	49.4	50.6	50.2	47.7	46.8	46.0	46.0	45.6
67.5	45.6	45.1	45.1	46.8	46.4	45.6	45.1	43.9
90.0	43.9	42.6	42.6	41.3	41.3	41.3	42.2	41.3
112.5	41.8	42.2	43.0	44.3	43.9	43.0	43.9	43.4
135.0	41.3	40.5	40.1	40.5	41.3	41.8	41.8	40.9
157.5	40.1	40.1	39.2	38.8	38.4	38.8	38.8	38.8
180.0	38.0	37.1	36.7	35.9	35.0	35.4	35.4	35.0
202.5	35.4	35.9	35.9	35.9	38.4	39.7	39.7	40.1
225.0	48.5	49.8	50.6	51.0	52.7	52.7	51.9	51.5
247.5	51.0	50.6	49.4	48.9	48.5	49.4	49.8	51.5
270.0	52.7	54.4	56.5	59.1	59.5	59.5	59.9	60.3
292.5	60.7	61.2	61.6	62.4	64.1	63.7	64.1	64.1
315.0	64.1	64.5	64.5	66.6	68.8	69.6	69.6	69.2
337.5	66.2	65.0	63.7	62.0	60.7	59.9	57.4	55.3

DEPTH: 528 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	55.3	55.3	54.8	53.1	52.7	53.6	54.0	49.8
22.5	48.5	46.4	46.0	45.1	44.7	44.7	45.1	45.6
45.0	45.6	45.6	44.7	44.3	44.3	44.3	44.7	45.1
67.5	46.0	46.8	47.7	48.5	48.1	46.8	46.0	43.0
90.0	42.6	42.2	41.3	40.9	39.7	40.1	40.5	40.5
112.5	40.9	40.9	40.9	40.5	41.8	41.8	41.3	41.3
135.0	40.9	40.9	41.8	42.2	41.3	40.9	40.9	40.5
157.5	39.7	39.2	39.2	39.2	38.4	38.0	37.5	35.9
180.0	34.6	34.6	34.6	34.6	33.7	33.7	31.6	31.6
202.5	31.6	31.6	35.4	35.9	36.3	36.3	37.1	37.5
225.0	38.0	39.7	41.3	41.8	42.2	42.6	51.0	50.2
247.5	50.2	49.8	49.4	49.4	50.2	51.5	53.6	57.8
270.0	59.5	59.9	61.2	62.4	61.6	61.2	62.0	61.6
292.5	61.6	61.6	62.0	63.3	63.7	65.4	67.9	68.3
315.0	68.8	68.8	69.2	68.8	69.2	70.0	70.0	68.8
337.5	65.8	62.4	62.4	61.6	59.5	59.1	58.2	56.9

DEPTH: 531 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	55.7	55.3	55.7	55.3	54.0	54.0	52.7	50.6
22.5	47.7	43.0	43.4	43.4	43.9	43.9	43.9	44.3
45.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
67.5	44.7	45.1	45.6	44.3	43.0	42.2	41.8	39.2
90.0	38.0	37.5	38.0	38.4	38.8	39.7	39.7	40.5
112.5	40.1	40.1	40.1	40.5	40.5	40.9	41.3	41.3
135.0	41.8	41.8	41.8	41.8	40.1	38.8	38.4	38.4
157.5	38.4	38.0	38.0	33.7	33.7	33.7	34.2	34.2
180.0	34.2	33.7	33.7	33.3	32.5	32.1	32.1	32.1
202.5	32.9	32.9	32.9	33.3	33.3	33.7	34.6	34.6
225.0	35.0	36.7	39.7	41.3	41.8	43.9	46.0	47.7
247.5	47.2	47.7	48.1	49.4	50.2	51.0	52.3	54.0
270.0	56.9	58.2	59.1	60.7	61.6	61.6	61.6	62.0
292.5	62.4	62.4	62.9	62.4	62.9	64.1	65.0	66.2
315.0	67.1	68.8	69.2	70.4	70.0	69.6	68.8	66.6
337.5	64.5	61.6	60.7	61.2	60.7	56.1	56.1	56.1

DEPTH: 534 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	56.9	56.5	55.7	54.8	54.8	55.3	50.6	52.3
22.5	53.1	53.1	52.7	51.5	50.6	49.4	49.4	44.3
45.0	43.9	44.3	44.3	43.9	43.9	44.3	44.7	45.1
67.5	44.3	43.4	43.9	46.0	48.1	48.1	48.5	48.5
90.0	46.0	42.6	40.9	40.5	38.4	38.4	38.0	37.5
112.5	37.1	38.0	36.7	36.7	37.1	33.7	32.5	32.9
135.0	32.5	32.5	32.1	32.1	32.5	31.6	28.7	28.3
157.5	28.3	28.3	27.4	27.0	26.2	25.7	25.3	24.9
180.0	24.5	24.9	25.3	25.7	24.9	25.3	24.9	24.9
202.5	24.9	24.0	23.6	23.6	24.5	28.3	27.4	28.7
225.0	29.1	30.4	32.1	34.2	35.9	38.0	43.9	43.9
247.5	44.3	44.7	45.1	45.6	46.4	46.8	47.2	48.5
270.0	50.2	53.1	53.1	54.0	57.4	58.6	60.7	61.2
292.5	61.6	62.0	62.4	63.3	64.1	65.8	67.5	67.5
315.0	71.3	71.3	69.6	69.2	68.8	67.1	66.2	65.8
337.5	65.4	65.0	63.7	63.3	60.7	58.6	58.2	57.8

DEPTH: 537 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
22.5	54.4	51.0	49.4	44.3	44.3	44.3	44.3	44.7
45.0	45.1	45.1	44.3	44.3	45.1	45.1	45.1	46.4
67.5	46.4	47.2	48.1	48.9	47.7	43.9	40.9	41.3
90.0	37.1	37.1	38.0	38.0	37.1	34.6	33.7	34.2
112.5	32.9	32.9	32.9	32.9	31.6	29.5	29.5	30.4
135.0	29.9	29.5	29.1	27.0	26.6	26.2	25.7	25.3
157.5	24.9	24.5	23.6	23.2	22.8	22.4	21.9	21.5
180.0	21.1	20.7	20.7	21.1	21.5	21.9	21.9	21.9
202.5	21.9	21.5	21.5	21.5	22.4	22.8	24.0	24.5
225.0	24.9	25.3	25.7	26.2	35.4	36.3	37.5	36.7
247.5	34.6	35.0	35.0	36.3	37.1	38.4	37.5	37.5
270.0	37.1	37.1	38.0	38.8	39.2	42.6	43.0	43.9
292.5	43.4	43.0	43.0	43.0	43.0	54.8	54.4	54.4
315.0	52.3	50.6	49.8	49.4	48.9	48.5	49.8	54.0
337.5	53.1	53.6	53.6	54.0	54.4	54.8	55.7	56.1

DEPTH: 540 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	31.6	32.1	32.5	32.9	32.9	31.6	31.6	31.6
22.5	31.2	30.8	30.4	30.8	31.2	31.6	32.5	32.9
45.0	33.3	33.3	32.9	31.6	31.6	31.6	31.2	29.5
67.5	28.7	28.3	28.3	27.8	27.4	27.0	26.2	25.7
90.0	25.7	25.7	26.2	26.2	25.7	25.3	24.9	24.5
112.5	24.0	23.6	23.2	22.8	22.4	21.5	21.1	20.7
135.0	20.2	19.8	19.4	19.4	19.4	19.8	19.8	20.2
157.5	20.2	19.8	19.4	19.0	18.6	19.0	19.4	19.8
180.0	20.2	20.7	20.2	20.7	20.7	20.7	20.7	20.7
202.5	20.2	20.7	20.7	21.9	22.4	29.9	29.9	32.9
225.0	33.3	32.9	32.5	32.5	32.9	32.9	32.9	31.6
247.5	30.4	30.8	31.2	32.5	35.4	35.9	35.9	36.7
270.0	36.7	36.3	36.3	35.9	36.3	36.7	38.8	39.2
292.5	39.7	35.0	35.0	35.9	35.0	34.2	34.2	34.2
315.0	34.6	35.0	35.0	34.6	34.2	34.6	34.2	34.2
337.5	34.2	34.2	30.4	29.9	29.9	30.4	30.8	31.2

DEPTH: 543 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	27.8	27.8	27.8	27.8	27.4	27.0	27.0	27.4
22.5	27.4	27.8	27.8	28.3	28.3	27.8	27.8	27.8
45.0	28.3	28.7	28.7	28.7	28.7	29.1	29.1	28.7
67.5	28.3	28.3	28.3	27.8	27.8	28.3	28.3	28.3
90.0	28.3	28.3	28.3	28.7	28.3	27.8	27.4	26.6
112.5	26.6	26.6	26.2	25.7	25.3	23.6	23.2	22.8
135.0	22.4	21.9	21.5	21.5	21.1	20.7	20.2	19.8
157.5	19.8	19.8	19.8	19.8	19.4	19.0	19.0	19.0
180.0	19.4	19.4	19.4	19.4	19.4	19.0	19.0	19.4
202.5	19.4	19.8	19.8	20.7	20.7	21.1	21.1	21.1
225.0	21.5	21.5	21.5	22.4	22.4	22.8	24.5	24.5
247.5	25.7	25.3	25.7	25.7	26.2	26.6	27.0	27.0
270.0	27.4	27.8	28.3	28.7	29.1	29.5	29.9	30.4
292.5	30.8	32.1	33.3	33.3	33.7	34.2	34.6	34.2
315.0	32.9	32.5	32.1	31.6	30.8	30.4	29.9	29.5
337.5	29.5	29.5	29.1	28.7	28.3	27.4	27.4	27.4

DEPTH: 546 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	24.0	24.0	24.0	24.0	23.6	23.6	23.6	24.0
22.5	24.5	24.9	25.3	25.3	24.9	25.3	25.3	25.3
45.0	25.3	26.2	26.2	25.7	24.9	24.5	24.0	23.2
67.5	21.9	21.9	21.5	21.5	21.9	22.4	22.8	22.8
90.0	23.2	23.6	24.0	24.5	24.9	24.9	21.1	20.2
112.5	19.4	19.4	20.2	19.4	18.6	17.3	17.3	18.1
135.0	16.9	17.3	17.3	17.3	17.3	17.3	17.7	17.7
157.5	17.7	17.7	17.3	16.9	16.9	17.3	16.9	17.3
180.0	17.3	16.9	16.9	16.9	16.5	16.5	16.9	16.9
202.5	16.9	16.9	16.9	17.3	18.6	18.6	19.4	19.4
225.0	19.4	19.8	20.2	20.2	20.2	20.2	21.1	21.1
247.5	21.1	21.1	21.1	21.1	21.5	21.5	21.9	21.9
270.0	22.8	24.0	24.0	23.6	24.0	24.5	24.5	26.6
292.5	27.0	27.4	27.8	27.8	27.8	27.4	27.8	28.3
315.0	28.3	28.7	27.8	27.8	27.8	28.3	27.0	27.0
337.5	27.0	26.6	25.7	24.9	24.0	24.0	24.0	24.0

DEPTH: 549 TILT: 0 RANGE: 100.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	21.1	22.4	22.8	23.2	22.8	22.8	22.4	22.4
22.5	22.4	23.2	25.3	27.0	29.1	29.9	31.2	32.1
45.0	32.1	32.5	32.5	32.9	32.5	32.1	31.6	31.2
67.5	29.9	29.5	29.1	28.7	26.6	26.2	25.7	25.3
90.0	24.9	24.5	24.5	23.6	22.8	22.4	21.5	21.1
112.5	20.2	19.8	19.4	19.4	15.6	15.2	15.2	15.2
135.0	14.8	14.3	14.3	13.9	14.8	15.6	16.0	15.6
157.5	15.6	15.6	15.2	15.6	15.6	16.0	16.0	16.0
180.0	16.0	16.5	16.5	16.5	16.9	16.9	16.5	16.5
202.5	16.9	17.3	17.7	18.1	18.6	18.6	18.1	18.1
225.0	17.7	17.7	17.3	16.9	16.5	16.0	15.6	16.5
247.5	16.9	18.1	19.8	23.2	24.0	24.5	24.9	26.2
270.0	28.3	28.7	29.9	31.6	37.1	38.8	44.7	45.1
292.5	45.6	45.6	45.1	44.3	43.0	40.5	38.0	37.1
315.0	36.7	35.4	34.2	34.6	33.7	27.8	26.6	24.9
337.5	21.1	20.7	20.7	19.8	19.8	20.2	20.2	20.2

DEPTH:	552	TILT:	0	RANGE: 100.0	VOS:	5970		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	15.6	15.6	16.5	17.3	18.6	19.0	24.0	24.0
22.5	24.0	24.5	24.5	24.9	24.5	24.0	23.6	23.2
45.0	22.8	22.8	23.6	24.0	25.3	26.2	27.0	27.0
67.5	27.8	27.4	27.4	27.4	27.0	27.0	25.3	24.9
90.0	24.9	24.0	23.6	22.8	21.9	17.3	17.3	16.9
112.5	16.9	16.5	16.0	14.3	13.9	13.1	11.0	11.0
135.0	11.4	11.8	12.7	12.7	12.7	12.7	13.1	13.1
157.5	13.1	13.1	13.1	13.1	13.1	12.7	12.2	12.7
180.0	13.1	13.5	13.9	14.3	14.8	15.2	15.6	15.6
202.5	16.5	16.9	16.5	16.0	15.6	15.6	15.2	15.2
225.0	14.8	14.3	14.3	14.3	14.3	14.3	14.3	13.9
247.5	13.9	13.5	13.5	13.9	14.3	15.6	20.7	20.7
270.0	21.1	21.5	22.8	24.5	35.0	36.3	42.2	43.9
292.5	43.9	39.7	29.1	29.5	29.5	29.1	26.2	26.2
315.0	25.7	24.9	24.9	23.2	21.9	21.1	16.0	15.6
337.5	14.8	14.3	14.8	14.3	14.3	14.3	14.8	15.2

DEPTH:	555	TILT:	0	RANGE: 150.0	VOS:	5970		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	97.5	96.2	94.9	94.3	94.3	94.3	94.9	94.9
22.5	94.9	94.9	94.9	94.9	94.9	94.9	94.3	94.3
45.0	94.9	94.9	94.3	94.3	94.9	94.9	94.3	94.3
67.5	94.3	94.3	96.8	98.7	100.0	102.5	102.5	103.1
90.0	103.1	103.1	102.5	102.5	101.9	101.3	101.3	100.6
112.5	99.4	98.7	95.6	92.4	89.2	86.7	86.1	85.4
135.0	84.8	84.2	83.5	81.6	81.6	81.6	81.0	81.0
157.5	81.0	81.0	81.6	82.3	82.3	83.5	84.8	85.4
180.0	86.7	86.7	88.0	87.3	87.3	85.4	84.8	85.4
202.5	86.7	87.3	86.7	86.1	86.1	86.1	86.7	86.7
225.0	86.7	86.7	86.7	86.7	87.3	87.3	88.0	89.2
247.5	95.6	99.4	106.9	111.4	112.0	113.3	113.3	113.9
270.0	113.9	113.9	114.5	117.1	117.7	118.3	119.0	119.6
292.5	120.2	120.9	120.2	120.2	119.6	118.3	117.7	115.2
315.0	112.0	107.6	104.4	101.3	98.7	96.8	96.2	95.6
337.5	95.6	95.6	95.6	95.6	96.2	96.8	97.5	97.5

DEPTH:	558	TILT:	0	RANGE: 150.0	VOS:	5970		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	96.2	96.2	94.9	94.9	95.6	95.6	95.6	96.2
22.5	96.2	96.2	96.2	95.6	96.2	95.6	94.3	93.7
45.0	93.0	94.3	94.9	93.7	93.0	93.7	94.9	95.6
67.5	96.2	96.8	97.5	96.8	97.5	98.1	100.0	100.6
90.0	100.6	101.3	101.9	100.6	100.6	100.0	99.4	98.7
112.5	94.3	89.9	89.2	88.6	87.3	86.1	85.4	84.8
135.0	82.3	82.3	81.0	81.0	80.4	80.4	81.0	81.6
157.5	81.6	81.6	81.6	84.2	84.2	84.8	84.2	84.2
180.0	84.2	84.8	84.8	84.8	84.2	84.2	83.5	83.5
202.5	83.5	84.2	84.2	83.5	83.5	83.5	83.5	84.2
225.0	84.8	85.4	85.4	85.4	84.8	84.8	85.4	86.1
247.5	86.7	89.9	90.5	94.3	98.1	102.5	105.7	106.3
270.0	110.7	113.3	115.2	116.4	117.1	117.7	117.7	118.3
292.5	119.0	119.0	119.0	118.3	118.3	117.7	116.4	114.5
315.0	111.4	108.2	105.0	100.6	97.5	97.5	94.9	94.9
337.5	94.3	94.9	95.6	96.2	96.2	96.8	96.2	96.2

DEPTH: 561 TILT: 0 RANGE: 150.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	94.3	93.0	91.8	91.1	90.5	89.9	89.2	86.7
22.5	86.7	86.7	86.1	86.7	86.7	86.1	85.4	84.8
45.0	84.8	84.8	84.8	85.4	86.1	86.1	86.7	88.0
67.5	88.6	89.2	89.9	90.5	91.1	92.4	93.0	93.7
90.0	93.7	96.2	98.1	101.9	102.5	102.5	102.5	102.5
112.5	102.5	102.5	99.4	97.5	94.3	91.8	89.2	88.6
135.0	84.8	84.2	83.5	82.9	82.3	81.6	81.6	81.6
157.5	81.6	81.6	81.0	81.0	82.3	82.9	82.3	82.9
180.0	83.5	84.2	84.8	84.8	84.2	83.5	83.5	83.5
202.5	83.5	83.5	84.2	84.2	84.2	83.5	82.9	82.9
225.0	82.3	82.9	83.5	85.4	85.4	84.8	84.8	84.8
247.5	84.8	85.4	85.4	87.3	88.0	90.5	93.0	97.5
270.0	102.5	107.6	112.0	113.9	113.9	114.5	115.2	116.4
292.5	117.1	117.7	117.7	117.7	117.7	117.1	115.2	113.3
315.0	109.5	105.7	102.5	101.9	101.3	100.0	99.4	98.7
337.5	98.7	98.1	98.1	98.1	97.5	96.8	95.6	94.9

DEPTH: 564 TILT: 0 RANGE: 150.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	86.7	85.4	85.4	84.2	84.2	83.5	82.3	82.9
22.5	83.5	82.9	82.9	83.5	82.3	81.0	79.1	78.5
45.0	78.5	79.1	79.1	79.7	79.7	80.4	82.3	84.2
67.5	89.9	89.2	89.9	90.5	91.1	93.0	93.7	94.3
90.0	94.9	95.6	95.6	94.9	94.9	94.9	94.3	93.0
112.5	90.5	86.7	84.8	82.9	81.0	79.1	79.1	78.5
135.0	76.6	75.9	73.4	74.0	74.7	74.7	74.0	74.0
157.5	74.0	74.7	75.3	75.3	74.7	74.0	73.4	73.4
180.0	74.7	75.3	75.3	75.3	75.3	75.9	77.2	76.6
202.5	75.9	75.9	76.6	77.2	77.2	77.2	75.9	77.2
225.0	79.1	77.8	77.8	77.8	79.1	79.7	81.6	81.6
247.5	82.3	82.9	82.9	84.8	88.0	91.8	94.9	97.5
270.0	101.3	104.4	107.6	109.5	110.7	110.7	110.7	110.7
292.5	110.7	111.4	112.0	112.6	112.6	112.6	108.8	105.0
315.0	103.8	101.3	98.7	98.1	97.5	96.2	95.6	94.3
337.5	93.7	91.8	91.1	90.5	89.9	89.2	88.0	87.3

DEPTH: 567 TILT: 0 RANGE: 150.0 VOS: 5970

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	84.8	83.5	82.9	82.3	81.6	80.4	79.7	80.4
22.5	79.7	79.1	78.5	77.8	77.8	77.8	77.8	77.8
45.0	77.8	77.2	77.2	77.2	77.8	78.5	81.6	82.9
67.5	83.5	84.2	84.2	84.8	84.8	85.4	85.4	85.4
90.0	87.3	89.2	89.9	91.1	89.2	86.7	85.4	84.8
112.5	84.2	83.5	82.9	80.4	78.5	75.9	73.4	72.1
135.0	71.5	70.2	68.3	67.7	67.1	67.1	66.4	66.4
157.5	66.4	66.4	65.8	65.8	66.4	67.7	67.7	70.2
180.0	70.2	70.2	70.2	70.2	69.6	69.0	69.0	69.0
202.5	68.3	67.7	67.7	67.7	68.3	68.3	68.3	69.0
225.0	70.2	70.2	71.5	72.1	72.1	72.1	72.1	72.8
247.5	75.3	77.2	82.9	82.9	84.2	84.8	87.3	89.9
270.0	91.1	91.8	95.6	101.3	105.7	105.0	108.8	110.1
292.5	110.1	110.7	111.4	112.6	112.6	112.0	108.8	105.7
315.0	104.4	101.3	95.6	91.8	89.9	89.2	90.5	91.1
337.5	91.1	90.5	89.9	89.2	88.6	87.3	86.1	85.4

DEPTH:	570	TILT:	0	RANGE: 150.0	VOS:	5970		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	79.1	79.1	78.5	78.5	78.5	78.5	79.1	78.5
22.5	79.1	77.2	75.9	75.9	75.9	75.9	76.6	77.8
45.0	77.8	77.8	77.2	77.2	76.6	76.6	76.6	75.3
67.5	74.0	75.3	77.8	79.7	80.4	81.0	81.6	82.3
90.0	82.9	84.2	85.4	86.1	85.4	85.4	84.2	82.9
112.5	81.6	79.7	79.1	75.9	72.8	71.5	69.6	69.6
135.0	69.0	67.1	61.4	61.4	61.4	62.6	62.0	62.6
157.5	62.6	62.6	62.6	63.9	63.9	63.3	62.6	62.6
180.0	62.6	63.3	63.3	65.2	65.2	64.5	63.9	63.3
202.5	63.3	62.0	62.0	62.0	62.6	62.6	63.9	65.8
225.0	67.7	69.0	69.0	68.3	69.6	70.2	68.3	67.7
247.5	67.7	68.3	69.0	74.0	75.9	78.5	81.6	85.4
270.0	87.3	89.2	91.1	91.8	92.4	93.7	96.8	100.0
292.5	103.1	106.9	108.8	109.5	108.8	107.6	105.0	104.4
315.0	102.5	101.9	100.0	96.8	94.3	93.7	93.0	92.4
337.5	91.1	90.5	89.2	87.3	85.4	84.8	82.9	81.0

DEPTH:	573	TILT:	0	RANGE: 149.7	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	60.6	60.6	60.6	59.4	58.7	59.4	60.0	60.0
22.5	60.0	60.0	58.7	58.7	58.7	58.1	58.1	58.1
45.0	58.7	58.7	58.7	58.1	56.8	56.8	57.5	57.5
67.5	57.5	58.1	58.7	59.4	59.4	59.4	61.9	64.4
90.0	67.6	69.5	70.7	72.0	72.6	73.9	73.9	73.9
112.5	73.9	72.0	69.5	66.9	65.0	64.4	63.8	60.6
135.0	59.4	56.8	56.2	55.6	54.9	53.7	53.7	53.7
157.5	53.7	53.1	53.7	53.7	53.7	53.7	54.9	55.6
180.0	56.2	55.6	54.9	54.3	53.7	53.1	53.1	53.1
202.5	52.4	52.4	53.1	53.1	53.1	53.7	53.7	53.7
225.0	53.7	53.7	53.1	53.1	52.4	52.4	53.1	53.1
247.5	53.7	54.3	56.2	56.8	57.5	58.1	58.7	59.4
270.0	61.3	63.8	65.7	68.2	70.1	71.4	75.8	78.9
292.5	82.1	82.7	85.3	85.3	85.9	85.3	83.4	80.2
315.0	77.7	75.8	72.0	70.1	67.6	68.2	66.3	65.7
337.5	65.7	65.0	63.8	63.8	62.5	62.5	61.9	60.6

DEPTH:	576	TILT:	0	RANGE: 150.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	57.6	57.6	57.6	57.6	57.0	57.0	57.6	57.6
22.5	56.3	56.3	56.3	56.3	56.3	56.3	57.0	56.3
45.0	56.3	55.7	55.7	55.7	55.1	54.4	54.4	54.4
67.5	55.1	55.1	56.3	57.0	57.0	58.2	60.1	62.0
90.0	63.9	65.2	65.8	67.1	67.7	68.3	67.1	66.4
112.5	65.2	64.6	63.9	63.3	63.3	62.7	61.4	60.8
135.0	60.1	57.6	54.4	52.5	52.5	50.0	50.0	50.6
157.5	50.6	50.0	50.6	50.0	50.6	50.6	50.6	50.6
180.0	50.6	50.6	51.3	51.9	51.9	51.9	50.6	50.6
202.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
225.0	50.6	51.3	51.3	51.3	51.9	52.5	52.5	51.9
247.5	53.2	53.8	54.4	55.1	55.7	57.0	57.6	59.5
270.0	61.4	64.6	66.4	67.7	68.3	69.6	71.5	73.4
292.5	75.3	75.9	76.6	77.2	77.8	75.9	75.3	72.8
315.0	70.9	69.0	67.1	65.2	65.2	64.6	64.6	63.9
337.5	63.3	62.7	62.0	61.4	60.1	58.2	57.0	57.6

DEPTH: 579 TILT: 0 RANGE: 150.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	56.3	54.4	52.5	52.5	53.8	54.4	55.7	55.7
22.5	55.7	55.7	54.4	54.4	54.4	53.8	53.8	53.8
45.0	54.4	55.1	54.4	53.8	53.8	51.9	51.9	51.9
67.5	51.3	51.3	51.9	52.5	52.5	52.5	53.2	53.8
90.0	54.4	55.1	57.0	58.9	59.5	62.0	62.0	62.7
112.5	63.3	63.3	61.4	58.2	56.3	56.3	55.7	55.1
135.0	53.8	52.5	51.9	51.3	49.4	47.5	47.5	47.5
157.5	47.5	47.5	47.5	48.1	47.5	47.5	47.5	46.8
180.0	46.8	47.5	48.1	48.7	48.7	48.7	46.8	46.8
202.5	46.8	47.5	47.5	48.1	48.7	50.0	49.4	48.1
225.0	48.1	49.4	49.4	48.1	48.1	48.1	47.5	47.5
247.5	48.1	48.1	50.0	51.9	52.5	53.2	53.2	54.4
270.0	56.3	57.0	58.9	60.1	62.7	65.2	67.1	67.1
292.5	65.8	68.3	70.2	71.5	72.1	71.5	70.2	69.0
315.0	67.7	67.1	66.4	64.6	63.3	61.4	60.1	59.5
337.5	59.5	58.9	58.9	58.9	58.9	58.9	58.2	58.2

DEPTH: 582 TILT: 0 RANGE: 150.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	51.9	51.3	50.6	50.6	50.6	50.6	50.6	50.6
22.5	50.0	50.0	50.0	49.4	49.4	46.8	46.2	45.6
45.0	45.6	44.9	44.9	44.9	45.6	44.3	44.3	44.3
67.5	44.3	43.7	44.9	44.9	44.9	44.9	45.6	45.6
90.0	46.2	48.7	51.3	57.6	60.1	61.4	60.8	58.9
112.5	57.0	55.1	53.2	51.3	50.6	49.4	48.7	48.1
135.0	47.5	45.6	44.3	43.7	43.0	42.4	41.8	41.1
157.5	41.1	41.1	41.1	40.5	39.9	39.2	39.2	39.9
180.0	40.5	41.8	41.8	41.8	41.8	41.1	41.1	40.5
202.5	40.5	40.5	40.5	40.5	41.1	41.1	41.1	40.5
225.0	40.5	41.1	41.8	42.4	42.4	44.9	44.9	45.6
247.5	50.0	51.3	51.9	51.9	51.9	51.3	50.6	50.0
270.0	51.3	51.9	53.2	55.7	58.2	60.8	62.7	63.9
292.5	66.4	67.1	67.7	68.3	67.1	66.4	65.2	62.7
315.0	61.4	60.8	58.2	57.0	57.0	57.0	55.7	55.1
337.5	55.1	53.8	53.8	53.2	52.5	52.5	52.5	51.9

DEPTH: 585 TILT: 0 RANGE: 150.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	50.6	50.0	49.4	48.7	48.7	48.1	48.1	47.5
22.5	47.5	46.2	45.6	43.7	43.0	43.0	41.8	41.8
45.0	41.1	41.1	39.9	40.5	39.9	40.5	40.5	41.1
67.5	41.1	41.8	42.4	41.1	41.8	42.4	39.2	38.6
90.0	39.9	40.5	41.8	44.9	45.6	46.8	45.6	46.2
112.5	46.2	44.9	44.3	43.7	42.4	41.8	41.8	41.1
135.0	41.1	39.9	39.9	39.2	39.2	38.6	38.0	37.3
157.5	36.7	36.1	35.4	35.4	36.1	36.1	34.8	34.8
180.0	34.8	34.8	35.4	36.1	35.4	35.4	35.4	34.8
202.5	35.4	35.4	36.1	36.1	36.7	37.3	38.0	38.0
225.0	39.2	39.2	42.4	43.0	43.7	43.7	44.9	44.3
247.5	44.9	44.9	44.3	44.3	44.9	45.6	46.2	46.2
270.0	46.8	48.1	47.5	47.5	47.5	47.5	46.8	46.8
292.5	47.5	48.1	48.7	50.0	53.8	53.8	53.2	52.5
315.0	51.3	51.3	50.6	50.0	50.0	50.6	51.3	50.6
337.5	50.0	50.0	49.4	50.0	50.6	51.9	52.5	51.3

DEPTH:	588	TILT:	0	RANGE: 150.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	42.4	42.4	43.0	43.0	42.4	42.4	41.8	41.1
22.5	41.1	41.1	40.5	39.9	39.2	38.6	38.0	37.3
45.0	36.1	35.4	35.4	34.8	34.2	34.8	33.5	34.2
67.5	34.2	34.8	35.4	36.1	36.1	36.1	36.1	36.1
90.0	36.7	37.3	37.3	38.0	38.6	40.5	43.0	42.4
112.5	42.4	39.9	39.2	39.2	39.2	39.2	39.2	38.6
135.0	38.0	36.7	35.4	35.4	34.8	34.2	33.5	32.9
157.5	32.3	32.3	31.6	31.6	31.6	31.6	31.6	31.6
180.0	31.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0
202.5	31.6	32.9	32.9	32.9	32.9	33.5	34.2	34.8
225.0	35.4	36.1	36.7	38.0	38.6	39.9	40.5	41.1
247.5	41.8	41.8	42.4	41.8	41.8	43.0	43.0	43.0
270.0	43.0	42.4	41.8	42.4	43.0	43.7	44.9	45.6
292.5	46.2	46.8	46.8	46.8	46.2	46.2	46.2	46.2
315.0	46.2	46.2	45.6	45.6	45.6	45.6	45.6	44.9
337.5	45.6	45.6	44.9	43.7	43.0	41.8	41.8	41.8

DEPTH:	591	TILT:	0	RANGE: 150.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	38.6	38.6	38.6	38.6	38.0	37.3	36.1	36.1
22.5	34.8	34.8	34.2	34.2	34.2	33.5	32.3	32.3
45.0	31.0	32.3	30.4	30.4	29.7	29.7	30.4	30.4
67.5	29.7	30.4	30.4	30.4	30.4	31.0	31.0	31.6
90.0	32.3	32.9	34.2	34.8	34.8	35.4	36.1	36.7
112.5	36.7	35.4	34.8	34.2	32.9	32.3	31.6	30.4
135.0	29.1	29.1	29.1	29.1	29.1	29.7	29.1	29.7
157.5	29.7	30.4	31.0	31.0	31.6	31.0	31.0	30.4
180.0	30.4	30.4	30.4	30.4	29.7	29.7	29.7	29.7
202.5	29.7	30.4	30.4	30.4	31.0	32.3	32.9	33.5
225.0	34.2	34.2	34.8	35.4	36.1	36.7	37.3	38.6
247.5	39.9	39.9	39.9	38.6	38.6	38.6	38.6	39.2
270.0	39.2	39.2	38.6	38.0	38.0	38.0	38.6	39.2
292.5	39.9	41.1	41.8	41.8	41.8	41.8	43.0	43.0
315.0	43.0	43.0	43.7	43.7	43.0	41.8	41.1	40.5
337.5	39.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2

DEPTH:	594	TILT:	0	RANGE: 150.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	32.9	34.2	32.9	32.9	32.3	32.3	31.6	31.0
22.5	29.7	29.7	29.7	29.1	28.5	27.8	27.2	27.2
45.0	27.2	27.2	26.6	26.6	25.9	25.3	25.3	25.3
67.5	25.3	25.3	25.3	24.7	24.0	24.0	24.0	24.0
90.0	24.0	23.4	23.4	23.4	23.4	23.4	23.4	24.0
112.5	24.0	24.0	24.0	23.4	23.4	23.4	24.0	24.7
135.0	25.9	25.9	26.6	27.2	29.7	30.4	31.6	31.6
157.5	32.3	32.3	32.9	32.9	33.5	33.5	33.5	32.9
180.0	32.9	32.3	31.6	31.6	31.0	30.4	30.4	30.4
202.5	29.7	29.7	29.1	28.5	27.2	25.9	25.3	24.7
225.0	25.9	27.2	29.1	30.4	31.0	31.6	32.3	32.9
247.5	34.2	34.8	35.4	34.2	34.2	34.2	34.2	33.5
270.0	34.2	34.8	34.8	35.4	36.1	36.7	38.0	38.6
292.5	38.6	38.6	38.6	38.6	38.0	37.3	37.3	37.3
315.0	35.4	35.4	35.4	35.4	34.8	34.8	34.2	33.5
337.5	33.5	32.9	32.9	32.9	33.5	33.5	33.5	33.5

DEPTH: 597 TILT: 0 RANGE: 150.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	29.7	29.1	28.5	27.8	27.8	27.8	27.2	27.2
22.5	26.6	24.0	23.4	22.8	21.5	20.9	20.9	20.3
45.0	20.3	20.3	20.3	20.9	20.9	20.3	19.6	19.6
67.5	19.6	19.6	20.3	20.3	19.6	19.6	19.0	18.4
90.0	18.4	18.4	18.4	17.7	17.7	17.7	17.7	17.7
112.5	17.7	18.4	19.0	19.6	19.6	20.3	20.3	20.9
135.0	21.5	24.7	26.6	27.2	27.8	31.0	31.6	31.6
157.5	31.6	31.6	31.6	31.6	31.0	30.4	29.7	29.1
180.0	28.5	27.8	27.2	27.2	26.6	25.9	25.3	24.7
202.5	24.7	24.7	25.3	25.9	26.6	25.9	25.3	24.7
225.0	24.0	24.0	24.0	24.7	25.3	26.6	27.2	27.8
247.5	27.8	28.5	29.1	29.7	29.1	29.1	29.1	29.1
270.0	31.0	30.4	31.6	31.0	31.0	31.0	31.0	31.0
292.5	29.7	29.7	29.7	30.4	30.4	30.4	30.4	30.4
315.0	31.0	31.0	30.4	29.7	29.1	29.1	29.1	28.5
337.5	29.1	29.1	27.8	27.2	29.7	29.7	29.7	29.7

DEPTH: 600 TILT: 0 RANGE: 150.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	24.7	24.7	24.0	23.4	20.9	20.3	19.6	18.4
22.5	17.1	16.5	15.8	15.8	15.8	15.8	15.2	15.2
45.0	14.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9
67.5	13.9	13.9	13.9	13.9	13.9	14.6	15.2	15.2
90.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	14.6
112.5	14.6	14.6	14.6	13.3	12.7	12.7	13.3	13.9
135.0	14.6	15.2	15.2	15.8	16.5	17.1	18.4	19.0
157.5	19.0	18.4	18.4	17.7	17.1	17.7	18.4	19.0
180.0	19.6	19.6	19.0	18.4	17.7	17.1	17.1	16.5
202.5	16.5	15.8	15.2	14.6	14.6	14.6	14.6	14.6
225.0	14.6	14.6	14.6	15.2	15.8	16.5	17.1	17.7
247.5	19.0	20.9	21.5	22.1	24.7	25.3	25.9	26.6
270.0	26.6	26.6	26.6	26.6	27.2	27.2	27.8	27.8
292.5	27.8	27.2	26.6	25.9	25.3	24.0	23.4	22.8
315.0	23.4	24.0	24.0	24.0	24.0	24.0	24.7	25.3
337.5	25.3	25.9	25.9	25.9	25.3	25.3	25.3	25.3

DEPTH: 603 TILT: 0 RANGE: 150.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	23.4	22.8	22.1	20.9	20.3	19.6	17.7	17.1
22.5	15.8	15.2	14.6	13.9	13.3	12.7	12.7	12.7
45.0	12.7	12.7	12.0	12.0	12.0	12.0	12.7	12.7
67.5	12.7	12.7	12.7	12.7	12.7	12.7	13.3	13.3
90.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
112.5	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.0
135.0	12.0	12.0	12.0	12.7	12.7	12.7	12.7	12.7
157.5	13.3	13.3	13.3	13.3	13.9	14.6	15.8	15.8
180.0	15.8	15.8	15.2	15.2	15.2	15.2	15.2	15.2
202.5	15.2	15.2	14.6	14.6	13.9	13.9	13.9	13.9
225.0	14.6	14.6	15.2	15.8	16.5	17.1	17.7	18.4
247.5	19.0	20.3	21.5	22.1	22.1	22.1	22.8	24.0
270.0	24.0	24.7	24.7	25.3	25.3	25.9	26.6	26.6
292.5	26.6	25.9	25.9	25.3	24.0	23.4	22.8	22.8
315.0	22.8	23.4	23.4	23.4	22.8	22.8	23.4	23.4
337.5	23.4	23.4	24.0	24.0	24.0	23.4	23.4	23.4

DEPTH: 606 TILT: 0 RANGE: 200.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	139.2	139.2	139.2	138.4	138.4	138.4	137.5	137.5
22.5	138.4	138.4	139.2	140.1	140.9	141.8	142.6	141.8
45.0	140.9	140.9	140.9	141.8	141.8	141.8	141.8	140.9
67.5	140.1	137.5	136.7	135.9	135.0	134.2	133.3	132.5
90.0	132.5	132.5	132.5	132.5	131.6	129.9	129.1	128.3
112.5	127.4	126.6	125.7	124.9	124.0	123.2	123.2	124.0
135.0	124.0	123.2	122.4	123.2	124.9	125.7	126.6	127.4
157.5	129.1	129.9	130.8	129.9	129.9	130.8	133.3	135.9
180.0	137.5	140.1	140.9	141.8	143.4	144.3	145.1	145.1
202.5	145.1	145.1	144.3	143.4	142.6	140.9	137.5	136.7
225.0	137.5	139.2	136.7	135.9	133.3	131.6	129.9	129.1
247.5	129.1	129.9	129.9	129.9	129.9	129.9	130.8	131.6
270.0	133.3	134.2	135.0	135.9	135.9	135.9	136.7	139.2
292.5	140.1	144.3	145.1	146.8	148.5	149.4	150.2	150.2
315.0	149.4	149.4	147.7	146.8	146.0	145.1	144.3	144.3
337.5	143.4	142.6	141.8	141.8	141.8	141.8	140.9	140.1

DEPTH: 609 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	159.5	158.5	159.5	161.4	162.3	165.2	166.1	166.1
22.5	167.1	167.1	168.0	166.1	163.3	162.3	162.3	162.3
45.0	161.4	160.4	159.5	159.5	161.4	160.4	157.6	157.6
67.5	157.6	156.6	155.7	155.7	156.6	155.7	152.8	150.9
90.0	150.9	150.9	150.9	151.9	152.8	152.8	150.0	150.0
112.5	150.0	148.1	148.1	147.1	146.2	146.2	148.1	145.2
135.0	145.2	146.2	143.3	144.3	145.2	145.2	145.2	145.2
157.5	143.3	143.3	144.3	143.3	143.3	143.3	142.4	142.4
180.0	144.3	145.2	149.0	151.9	152.8	153.8	154.7	154.7
202.5	153.8	152.8	151.9	151.9	150.9	150.0	149.0	149.0
225.0	147.1	149.0	147.1	147.1	147.1	148.1	148.1	149.0
247.5	150.0	150.0	150.0	150.0	149.0	149.0	149.0	150.0
270.0	150.9	152.8	156.6	158.5	161.4	166.1	168.0	168.0
292.5	168.0	167.1	167.1	165.2	166.1	163.3	163.3	162.3
315.0	161.4	160.4	161.4	162.3	163.3	163.3	162.3	161.4
337.5	161.4	162.3	162.3	162.3	162.3	162.3	161.4	160.4

DEPTH: 612 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	159.5	157.6	157.6	156.6	157.6	159.5	161.4	164.2
22.5	167.1	169.9	169.0	168.0	166.1	165.2	163.3	162.3
45.0	162.3	162.3	161.4	159.5	159.5	159.5	157.6	156.6
67.5	156.6	155.7	155.7	154.7	151.9	151.9	150.9	150.9
90.0	150.9	151.9	152.8	151.9	152.8	150.9	150.0	149.0
112.5	148.1	148.1	147.1	147.1	146.2	146.2	145.2	145.2
135.0	143.3	144.3	144.3	144.3	145.2	144.3	144.3	144.3
157.5	143.3	143.3	142.4	143.3	143.3	142.4	142.4	143.3
180.0	144.3	146.2	149.0	153.8	154.7	155.7	154.7	153.8
202.5	153.8	154.7	151.9	150.9	150.0	149.0	148.1	147.1
225.0	147.1	147.1	147.1	147.1	147.1	148.1	147.1	148.1
247.5	148.1	149.0	150.9	150.0	149.0	149.0	150.0	150.0
270.0	150.9	151.9	154.7	157.6	161.4	163.3	165.2	168.0
292.5	168.0	168.0	167.1	167.1	165.2	164.2	164.2	163.3
315.0	161.4	161.4	161.4	161.4	161.4	162.3	162.3	161.4
337.5	161.4	161.4	162.3	162.3	162.3	161.4	161.4	159.5

DEPTH: 615 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	159.5	158.5	159.5	161.4	162.3	165.2	166.1	168.0
22.5	168.0	168.0	168.0	169.0	169.9	169.9	166.1	162.3
45.0	162.3	161.4	159.5	158.5	158.5	158.5	158.5	158.5
67.5	158.5	157.6	156.6	156.6	153.8	151.9	149.0	150.0
90.0	150.9	150.9	150.9	150.9	150.9	149.0	148.1	147.1
112.5	146.2	146.2	146.2	145.2	144.3	143.3	143.3	144.3
135.0	144.3	144.3	144.3	144.3	144.3	143.3	143.3	142.4
157.5	142.4	141.4	142.4	141.4	142.4	143.3	145.2	149.0
180.0	151.9	153.8	154.7	154.7	155.7	155.7	154.7	151.9
202.5	150.0	150.0	149.0	149.0	148.1	147.1	146.2	146.2
225.0	147.1	147.1	147.1	147.1	147.1	148.1	149.0	149.0
247.5	149.0	150.0	150.9	150.9	150.9	150.9	150.9	151.9
270.0	154.7	161.4	166.1	168.0	168.0	169.0	169.0	169.9
292.5	168.0	168.0	167.1	166.1	164.2	162.3	160.4	160.4
315.0	161.4	161.4	161.4	160.4	160.4	161.4	161.4	162.3
337.5	162.3	162.3	162.3	162.3	162.3	162.3	161.4	160.4

DEPTH: 618 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	157.6	157.6	158.5	159.5	161.4	162.3	163.3	167.1
22.5	170.9	170.9	170.9	169.9	169.9	166.1	161.4	160.4
45.0	160.4	160.4	160.4	158.5	157.6	157.6	156.6	156.6
67.5	156.6	154.7	154.7	152.8	152.8	150.0	149.0	150.0
90.0	150.0	149.0	150.0	150.9	150.9	150.0	148.1	147.1
112.5	147.1	146.2	146.2	145.2	145.2	144.3	145.2	144.3
135.0	143.3	144.3	144.3	143.3	142.4	142.4	142.4	141.4
157.5	142.4	142.4	141.4	141.4	141.4	142.4	144.3	147.1
180.0	150.9	151.9	151.9	152.8	155.7	155.7	155.7	152.8
202.5	151.9	150.9	150.0	149.0	149.0	147.1	146.2	144.3
225.0	145.2	144.3	145.2	146.2	146.2	146.2	147.1	148.1
247.5	150.0	150.9	150.0	150.9	150.0	150.9	151.9	151.9
270.0	151.9	152.8	155.7	160.4	162.3	166.1	168.0	169.9
292.5	170.9	168.0	166.1	167.1	165.2	168.0	169.9	168.0
315.0	162.3	160.4	160.4	160.4	160.4	160.4	160.4	159.5
337.5	160.4	161.4	162.3	162.3	162.3	161.4	160.4	158.5

DEPTH: 621 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	159.5	161.4	162.3	162.3	168.0	169.9	171.8	171.8
22.5	171.8	169.9	168.0	160.4	160.4	159.5	161.4	159.5
45.0	158.5	157.6	158.5	157.6	156.6	158.5	154.7	154.7
67.5	154.7	150.9	150.9	149.0	148.1	148.1	149.0	150.0
90.0	150.0	150.0	150.0	149.0	149.0	147.1	146.2	147.1
112.5	146.2	145.2	143.3	144.3	143.3	141.4	143.3	144.3
135.0	144.3	143.3	143.3	143.3	142.4	140.5	140.5	141.4
157.5	142.4	140.5	140.5	139.5	139.5	139.5	142.4	153.8
180.0	152.8	155.7	154.7	154.7	152.8	151.9	150.9	150.0
202.5	148.1	148.1	145.2	144.3	144.3	146.2	145.2	144.3
225.0	145.2	145.2	146.2	147.1	147.1	150.0	149.0	151.9
247.5	152.8	150.9	151.9	152.8	153.8	152.8	153.8	151.9
270.0	152.8	153.8	162.3	165.2	168.0	168.0	167.1	166.1
292.5	165.2	170.9	171.8	171.8	171.8	169.9	162.3	161.4
315.0	160.4	158.5	159.5	157.6	157.6	158.5	160.4	162.3
337.5	163.3	160.4	159.5	158.5	155.7	155.7	155.7	157.6

DEPTH: 624 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	156.6	161.4	162.3	163.3	164.2	165.2	170.9	172.8
22.5	172.8	169.9	166.1	161.4	160.4	160.4	160.4	160.4
45.0	159.5	159.5	157.6	156.6	156.6	154.7	153.8	153.8
67.5	150.0	149.0	147.1	147.1	148.1	149.0	149.0	149.0
90.0	150.0	149.0	150.0	148.1	147.1	145.2	145.2	144.3
112.5	144.3	145.2	145.2	145.2	144.3	144.3	141.4	141.4
135.0	142.4	142.4	141.4	139.5	140.5	141.4	139.5	139.5
157.5	138.6	139.5	138.6	140.5	140.5	142.4	142.4	142.4
180.0	143.3	143.3	144.3	144.3	144.3	145.2	147.1	147.1
202.5	147.1	146.2	143.3	143.3	144.3	144.3	143.3	143.3
225.0	143.3	143.3	145.2	146.2	150.0	151.9	151.9	150.9
247.5	150.0	150.0	149.0	150.0	152.8	153.8	153.8	154.7
270.0	156.6	167.1	169.9	169.9	166.1	166.1	166.1	167.1
292.5	167.1	168.0	171.8	174.6	170.9	170.9	165.2	163.3
315.0	159.5	159.5	157.6	156.6	157.6	158.5	160.4	161.4
337.5	161.4	162.3	161.4	160.4	159.5	157.6	156.6	155.7

DEPTH: 627 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	160.4	163.3	164.2	166.1	169.0	171.8	172.8	171.8
22.5	170.9	170.9	168.0	165.2	160.4	159.5	159.5	159.5
45.0	159.5	156.6	155.7	155.7	153.8	153.8	151.9	150.9
67.5	149.0	148.1	148.1	145.2	145.2	147.1	149.0	150.0
90.0	150.0	148.1	147.1	146.2	146.2	146.2	145.2	145.2
112.5	145.2	145.2	145.2	143.3	141.4	141.4	141.4	139.5
135.0	139.5	139.5	138.6	138.6	138.6	139.5	139.5	139.5
157.5	139.5	139.5	137.6	138.6	137.6	138.6	138.6	137.6
180.0	136.7	136.7	137.6	138.6	140.5	142.4	142.4	142.4
202.5	143.3	144.3	144.3	142.4	141.4	141.4	143.3	144.3
225.0	144.3	144.3	144.3	146.2	147.1	149.0	150.0	150.0
247.5	150.0	150.9	151.9	152.8	152.8	152.8	152.8	151.9
270.0	154.7	158.5	169.0	169.9	169.0	166.1	165.2	168.0
292.5	169.9	174.6	176.5	175.6	173.7	163.3	160.4	160.4
315.0	160.4	158.5	157.6	156.6	158.5	158.5	159.5	161.4
337.5	162.3	161.4	161.4	155.7	154.7	155.7	155.7	157.6

DEPTH: 630 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	155.7	156.6	157.6	160.4	164.2	171.8	173.7	173.7
22.5	172.8	166.1	159.5	159.5	159.5	157.6	156.6	158.5
45.0	158.5	157.6	155.7	154.7	154.7	154.7	152.8	150.9
67.5	149.0	147.1	144.3	143.3	146.2	148.1	148.1	148.1
90.0	148.1	146.2	145.2	144.3	143.3	143.3	142.4	141.4
112.5	141.4	141.4	140.5	140.5	140.5	139.5	138.6	138.6
135.0	139.5	139.5	138.6	137.6	137.6	137.6	136.7	136.7
157.5	137.6	137.6	137.6	137.6	137.6	137.6	137.6	136.7
180.0	135.7	135.7	136.7	137.6	138.6	139.5	140.5	140.5
202.5	141.4	139.5	139.5	140.5	141.4	141.4	141.4	142.4
225.0	141.4	141.4	141.4	141.4	145.2	150.0	150.9	150.9
247.5	151.9	151.9	150.9	150.9	151.9	150.9	150.9	150.9
270.0	152.8	154.7	154.7	155.7	156.6	160.4	161.4	163.3
292.5	164.2	165.2	166.1	167.1	168.0	168.0	166.1	163.3
315.0	162.3	161.4	159.5	159.5	161.4	162.3	160.4	159.5
337.5	158.5	157.6	155.7	155.7	156.6	157.6	156.6	156.6

DEPTH: 633 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	154.7	154.7	156.6	160.4	162.3	164.2	171.8	171.8
22.5	169.9	161.4	160.4	159.5	158.5	157.6	157.6	158.5
45.0	159.5	160.4	161.4	160.4	158.5	153.8	150.9	144.3
67.5	143.3	141.4	141.4	144.3	141.4	140.5	139.5	139.5
90.0	139.5	138.6	137.6	136.7	135.7	134.8	133.8	132.9
112.5	131.9	131.9	131.0	131.9	132.9	133.8	133.8	133.8
135.0	133.8	133.8	136.7	135.7	135.7	135.7	135.7	135.7
157.5	135.7	135.7	135.7	136.7	136.7	135.7	134.8	134.8
180.0	133.8	132.9	131.0	131.0	131.0	131.9	132.9	133.8
202.5	134.8	134.8	136.7	137.6	139.5	142.4	142.4	142.4
225.0	142.4	141.4	141.4	142.4	140.5	140.5	141.4	143.3
247.5	145.2	146.2	146.2	148.1	149.0	150.0	150.9	151.9
270.0	153.8	152.8	152.8	150.9	151.9	153.8	156.6	159.5
292.5	160.4	161.4	161.4	161.4	162.3	164.2	167.1	173.7
315.0	174.6	178.4	174.6	168.0	163.3	159.5	156.6	156.6
337.5	154.7	153.8	153.8	153.8	154.7	154.7	154.7	154.7

DEPTH: 636 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	152.8	151.9	152.8	153.8	162.3	167.1	169.0	170.9
22.5	172.8	172.8	172.8	172.8	172.8	172.8	172.8	170.9
45.0	169.0	168.0	167.1	166.1	164.2	163.3	160.4	157.6
67.5	157.6	156.6	155.7	153.8	151.9	150.9	149.0	148.1
90.0	146.2	145.2	143.3	142.4	141.4	140.5	141.4	142.4
112.5	142.4	141.4	140.5	138.6	137.6	137.6	136.7	135.7
135.0	134.8	133.8	133.8	132.9	132.9	135.7	135.7	135.7
157.5	135.7	132.9	133.8	135.7	135.7	133.8	131.9	130.0
180.0	129.1	129.1	128.1	127.2	126.2	125.3	126.2	127.2
202.5	128.1	129.1	128.1	127.2	126.2	125.3	124.3	123.4
225.0	121.5	121.5	122.4	124.3	125.3	126.2	126.2	126.2
247.5	129.1	139.5	141.4	154.7	152.8	152.8	152.8	152.8
270.0	153.8	155.7	156.6	157.6	158.5	160.4	163.3	167.1
292.5	170.9	173.7	175.6	176.5	177.5	176.5	175.6	175.6
315.0	175.6	176.5	176.5	175.6	169.0	163.3	159.5	158.5
337.5	157.6	154.7	151.9	151.9	151.9	152.8	152.8	152.8

DEPTH: 639 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	151.9	150.9	150.9	150.9	150.9	150.9	150.0	150.9
22.5	153.8	160.4	163.3	165.2	166.1	169.0	171.8	174.6
45.0	174.6	148.1	147.1	147.1	144.3	143.3	142.4	141.4
67.5	140.5	138.6	136.7	135.7	134.8	133.8	132.9	131.9
90.0	131.0	129.1	129.1	129.1	127.2	126.2	125.3	124.3
112.5	123.4	122.4	119.6	118.6	117.7	117.7	116.7	116.7
135.0	117.7	117.7	117.7	118.6	119.6	120.5	120.5	122.4
157.5	123.4	123.4	121.5	121.5	121.5	122.4	122.4	122.4
180.0	122.4	121.5	120.5	119.6	118.6	117.7	117.7	116.7
202.5	115.8	114.9	114.9	114.9	113.9	112.0	112.0	111.1
225.0	113.9	113.0	114.9	113.0	113.9	113.9	115.8	122.4
247.5	125.3	125.3	127.2	128.1	138.6	138.6	138.6	138.6
270.0	138.6	138.6	140.5	140.5	139.5	138.6	137.6	136.7
292.5	134.8	132.9	132.9	134.8	135.7	136.7	138.6	142.4
315.0	146.2	169.9	175.6	177.5	169.0	165.2	162.3	160.4
337.5	159.5	157.6	155.7	153.8	152.8	150.9	150.9	152.8

DEPTH: 642 TILT: 0 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	128.1	128.1	128.1	127.2	128.1	130.0	147.1	146.2
22.5	150.9	161.4	163.3	166.1	169.0	169.0	169.9	169.9
45.0	169.9	171.8	173.7	174.6	174.6	173.7	147.1	137.6
67.5	135.7	133.8	132.9	130.0	129.1	128.1	127.2	127.2
90.0	125.3	126.2	126.2	125.3	123.4	122.4	122.4	121.5
112.5	119.6	119.6	113.9	113.0	113.0	114.9	113.0	113.0
135.0	113.0	113.0	112.0	114.9	114.9	113.0	111.1	110.1
157.5	111.1	112.0	112.0	113.0	113.9	113.9	115.8	115.8
180.0	117.7	119.6	119.6	119.6	120.5	120.5	120.5	120.5
202.5	120.5	116.7	117.7	116.7	115.8	114.9	112.0	110.1
225.0	110.1	110.1	111.1	112.0	113.0	113.9	114.9	115.8
247.5	118.6	121.5	121.5	122.4	125.3	124.3	125.3	125.3
270.0	125.3	125.3	125.3	127.2	127.2	129.1	128.1	128.1
292.5	131.9	131.9	129.1	131.0	133.8	134.8	141.4	142.4
315.0	146.2	149.0	175.6	178.4	177.5	174.6	173.7	169.9
337.5	167.1	154.7	150.0	140.5	135.7	136.7	132.9	131.0

DEPTH: 642 TILT: -5 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	108.2	109.2	110.1	110.1	108.2	108.2	108.2	107.3
22.5	108.2	109.2	110.1	113.0	113.9	114.9	115.8	113.9
45.0	113.0	111.1	103.5	103.5	102.5	104.4	103.5	104.4
67.5	104.4	105.4	106.3	107.3	111.1	112.0	109.2	109.2
90.0	108.2	107.3	107.3	106.3	106.3	105.4	104.4	103.5
112.5	101.6	100.6	100.6	99.7	98.7	97.8	96.8	94.9
135.0	94.0	94.0	96.8	96.8	96.8	94.9	94.0	94.0
157.5	94.0	94.0	94.0	94.0	94.0	94.9	95.9	96.8
180.0	97.8	98.7	99.7	98.7	97.8	97.8	95.9	96.8
202.5	94.9	94.0	93.0	93.0	94.0	94.0	94.9	94.9
225.0	95.9	97.8	97.8	100.6	100.6	99.7	98.7	99.7
247.5	100.6	101.6	102.5	104.4	105.4	106.3	107.3	107.3
270.0	108.2	108.2	107.3	106.3	105.4	104.4	105.4	105.4
292.5	105.4	106.3	107.3	108.2	108.2	107.3	106.3	106.3
315.0	106.3	107.3	107.3	107.3	107.3	108.2	109.2	110.1
337.5	110.1	110.1	109.2	108.2	103.5	104.4	105.4	106.3

DEPTH: 642 TILT: -10 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	92.1	88.3	88.3	88.3	88.3	89.2	94.0	94.9
22.5	96.8	94.9	94.0	93.0	92.1	92.1	93.0	92.1
45.0	94.0	94.9	95.9	96.8	97.8	97.8	96.8	95.9
67.5	95.9	94.9	94.9	92.1	92.1	91.1	91.1	92.1
90.0	93.0	92.1	93.0	91.1	89.2	89.2	89.2	88.3
112.5	87.3	86.4	86.4	84.5	84.5	84.5	85.4	85.4
135.0	86.4	85.4	83.5	83.5	83.5	82.6	81.6	81.6
157.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
180.0	80.7	80.7	80.7	80.7	79.7	79.7	78.8	78.8
202.5	78.8	78.8	77.8	77.8	77.8	77.8	77.8	77.8
225.0	77.8	77.8	79.7	81.6	82.6	83.5	84.5	85.4
247.5	86.4	87.3	89.2	90.2	90.2	90.2	89.2	89.2
270.0	89.2	89.2	90.2	91.1	92.1	93.0	94.0	94.0
292.5	94.0	93.0	94.0	93.0	93.0	93.0	94.0	93.0
315.0	93.0	98.7	99.7	100.6	101.6	102.5	103.5	102.5
337.5	101.6	101.6	101.6	100.6	98.7	97.8	95.9	94.0

DEPTH: 642 TILT: -15 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	82.6	82.6	83.5	81.6	81.6	81.6	81.6	83.5
22.5	86.4	85.4	85.4	85.4	85.4	85.4	86.4	86.4
45.0	86.4	85.4	84.5	82.6	81.6	77.8	77.8	77.8
67.5	78.8	78.8	79.7	80.7	81.6	79.7	79.7	78.8
90.0	78.8	77.8	78.8	78.8	79.7	77.8	76.9	75.9
112.5	74.0	75.0	75.0	75.0	75.9	75.0	74.0	74.0
135.0	72.1	70.2	70.2	70.2	70.2	70.2	70.2	71.2
157.5	71.2	72.1	72.1	72.1	71.2	72.1	72.1	71.2
180.0	70.2	69.3	68.3	68.3	68.3	67.4	66.4	65.5
202.5	65.5	66.4	67.4	68.3	68.3	69.3	70.2	70.2
225.0	69.3	67.4	67.4	67.4	68.3	68.3	67.4	68.3
247.5	69.3	70.2	71.2	71.2	73.1	75.0	76.9	76.9
270.0	75.9	75.9	75.9	76.9	77.8	77.8	78.8	78.8
292.5	78.8	78.8	78.8	78.8	79.7	78.8	78.8	80.7
315.0	83.5	84.5	84.5	84.5	84.5	84.5	83.5	83.5
337.5	83.5	85.4	85.4	86.4	85.4	84.5	83.5	82.6

DEPTH: 642 TILT: -20 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	67.4	67.4	67.4	67.4	69.3	69.3	69.3	68.3
22.5	68.3	68.3	68.3	69.3	69.3	69.3	69.3	70.2
45.0	70.2	70.2	70.2	70.2	69.3	68.3	67.4	67.4
67.5	67.4	68.3	68.3	67.4	66.4	66.4	65.5	65.5
90.0	64.5	64.5	63.6	63.6	64.5	64.5	64.5	64.5
112.5	64.5	64.5	64.5	65.5	66.4	66.4	65.5	65.5
135.0	64.5	64.5	64.5	63.6	63.6	63.6	64.5	63.6
157.5	62.6	62.6	61.7	61.7	60.7	59.8	58.8	58.8
180.0	58.8	58.8	58.8	59.8	59.8	59.8	59.8	60.7
202.5	60.7	59.8	60.7	60.7	60.7	59.8	60.7	60.7
225.0	60.7	59.8	59.8	60.7	61.7	61.7	62.6	62.6
247.5	62.6	62.6	61.7	61.7	62.6	63.6	63.6	64.5
270.0	64.5	63.6	64.5	65.5	65.5	65.5	65.5	66.4
292.5	67.4	68.3	68.3	68.3	67.4	67.4	68.3	69.3
315.0	69.3	69.3	69.3	68.3	68.3	68.3	67.4	67.4
337.5	68.3	68.3	68.3	68.3	69.3	69.3	68.3	67.4

DEPTH: 642 TILT: -25 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	57.9	57.9	57.9	57.0	57.0	57.0	57.0	56.0
22.5	56.0	56.0	56.0	55.1	55.1	55.1	55.1	54.1
45.0	54.1	54.1	54.1	54.1	54.1	56.0	56.0	55.1
67.5	55.1	54.1	53.2	53.2	53.2	54.1	55.1	54.1
90.0	54.1	54.1	54.1	53.2	52.2	52.2	51.3	51.3
112.5	51.3	51.3	50.3	50.3	51.3	51.3	52.2	51.3
135.0	51.3	51.3	51.3	52.2	52.2	52.2	51.3	50.3
157.5	50.3	50.3	50.3	50.3	50.3	50.3	49.4	49.4
180.0	49.4	49.4	48.4	49.4	50.3	50.3	50.3	50.3
202.5	50.3	50.3	51.3	51.3	51.3	51.3	52.2	52.2
225.0	51.3	51.3	50.3	50.3	50.3	51.3	51.3	51.3
247.5	51.3	51.3	50.3	50.3	50.3	50.3	50.3	50.3
270.0	50.3	51.3	51.3	52.2	52.2	52.2	53.2	53.2
292.5	53.2	54.1	55.1	55.1	54.1	53.2	52.2	53.2
315.0	54.1	55.1	55.1	55.1	55.1	56.0	56.0	56.0
337.5	57.0	57.0	57.9	57.9	57.9	57.9	58.8	57.9

DEPTH: 642 TILT: -30 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	45.6	45.6	46.5	47.5	47.5	47.5	46.5	46.5
22.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
45.0	45.6	46.5	45.6	45.6	44.6	45.6	46.5	45.6
67.5	44.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7
90.0	44.6	44.6	44.6	44.6	44.6	44.6	43.7	42.7
112.5	42.7	42.7	43.7	43.7	42.7	42.7	41.8	41.8
135.0	41.8	42.7	42.7	42.7	42.7	42.7	42.7	42.7
157.5	42.7	41.8	40.8	40.8	40.8	40.8	40.8	40.8
180.0	40.8	41.8	41.8	41.8	41.8	41.8	41.8	40.8
202.5	40.8	40.8	40.8	41.8	41.8	41.8	41.8	41.8
225.0	41.8	41.8	41.8	41.8	42.7	42.7	42.7	41.8
247.5	42.7	43.7	42.7	43.7	43.7	43.7	43.7	43.7
270.0	43.7	44.6	44.6	44.6	44.6	44.6	45.6	45.6
292.5	45.6	44.6	44.6	44.6	44.6	44.6	44.6	45.6
315.0	45.6	45.6	45.6	46.5	45.6	45.6	45.6	45.6
337.5	46.5	46.5	46.5	47.5	47.5	46.5	46.5	46.5

DEPTH: 642 TILT: -40 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	30.4	30.4	30.4	30.4	31.3	32.3	33.2	33.2
22.5	33.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3
45.0	33.2	33.2	34.2	33.2	33.2	33.2	34.2	34.2
67.5	34.2	33.2	33.2	34.2	33.2	33.2	33.2	33.2
90.0	32.3	33.2	33.2	32.3	32.3	34.2	34.2	32.3
112.5	31.3	32.3	32.3	32.3	32.3	32.3	32.3	33.2
135.0	33.2	33.2	33.2	33.2	32.3	32.3	32.3	32.3
157.5	32.3	33.2	33.2	33.2	33.2	33.2	32.3	32.3
180.0	32.3	32.3	33.2	33.2	33.2	33.2	33.2	32.3
202.5	32.3	32.3	32.3	32.3	31.3	31.3	31.3	32.3
225.0	32.3	32.3	32.3	32.3	32.3	33.2	33.2	32.3
247.5	32.3	32.3	32.3	32.3	31.3	31.3	31.3	31.3
270.0	30.4	30.4	30.4	30.4	30.4	30.4	30.4	29.4
292.5	29.4	28.5	28.5	27.5	27.5	26.6	26.6	27.5
315.0	27.5	27.5	27.5	26.6	26.6	26.6	27.5	27.5
337.5	28.5	28.5	28.5	29.4	29.4	29.4	29.4	29.4

DEPTH: 642 TILT: -50 RANGE: 225.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	25.6	25.6	25.6	26.6	26.6	26.6	27.5	27.5
22.5	27.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6
45.0	26.6	26.6	26.6	25.6	25.6	25.6	25.6	25.6
67.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
90.0	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
112.5	25.6	25.6	25.6	24.7	24.7	25.6	25.6	25.6
135.0	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
157.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
180.0	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
202.5	25.6	25.6	25.6	24.7	24.7	24.7	24.7	24.7
225.0	25.6	25.6	25.6	25.6	25.6	25.6	25.6	24.7
247.5	24.7	24.7	24.7	25.6	25.6	25.6	25.6	25.6
270.0	25.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
292.5	25.6	25.6	25.6	25.6	25.6	25.6	26.6	26.6
315.0	26.6	26.6	26.6	26.6	26.6	26.6	26.6	25.6
337.5	25.6	25.6	25.6	25.6	25.6	24.7	24.7	25.6

DEPTH: 642 TILT: -60 RANGE: 75.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	21.5	21.5	21.5	21.8	21.5	21.5	21.8	21.8
22.5	21.8	21.8	21.5	21.5	21.5	21.5	21.2	21.5
45.0	21.5	21.5	21.2	21.2	20.9	20.9	20.9	20.9
67.5	20.9	20.6	20.6	20.6	20.6	20.6	20.2	19.9
90.0	19.9	19.6	19.6	19.6	19.3	19.3	19.3	19.3
112.5	19.3	19.6	19.6	19.9	19.6	19.0	19.0	19.0
135.0	19.0	18.7	18.7	19.3	19.3	19.6	19.6	19.3
157.5	19.9	20.2	20.2	19.9	20.2	20.2	22.1	21.5
180.0	21.5	21.8	21.8	21.8	21.5	20.9	19.6	19.6
202.5	19.9	19.6	19.6	19.3	19.3	19.3	19.3	19.3
225.0	19.3	19.0	19.3	19.3	19.3	19.3	19.6	19.6
247.5	19.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
270.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
292.5	19.0	19.0	19.0	18.7	18.7	19.0	19.3	19.0
315.0	19.3	19.3	19.3	19.3	19.3	19.3	19.6	19.6
337.5	19.6	19.3	19.6	19.9	19.3	20.6	20.6	21.2

DEPTH: 642 TILT: -70 RANGE: 75.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	20.2	20.6	20.6	20.6	20.9	20.6	20.6	20.6
22.5	20.2	20.2	20.2	20.2	20.6	20.6	20.6	20.2
45.0	20.2	20.2	20.2	20.2	20.2	20.2	20.6	20.2
67.5	20.9	20.9	20.9	21.2	20.9	20.9	20.9	20.9
90.0	20.9	20.9	20.6	20.9	20.6	20.2	20.2	20.6
112.5	20.6	20.6	20.6	20.2	20.2	20.2	19.9	19.9
135.0	19.9	19.9	19.6	20.2	20.2	20.6	19.9	19.6
157.5	19.6	19.6	19.6	19.9	19.6	19.3	19.3	19.3
180.0	19.3	19.3	19.0	19.0	19.3	19.3	19.0	19.0
202.5	19.0	19.0	19.0	19.0	19.0	19.0	19.3	19.0
225.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
247.5	19.0	19.0	19.0	19.0	19.3	19.0	19.0	19.0
270.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
292.5	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.3
315.0	19.3	19.0	19.0	19.3	19.3	19.6	19.6	19.6
337.5	19.9	19.9	19.9	20.2	20.2	20.6	20.6	20.6

DEPTH: 642 TILT: -90 RANGE: 75.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
22.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
45.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
67.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
90.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
112.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
135.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
157.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
180.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
202.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
225.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
247.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
270.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
292.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
315.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
337.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9

DEPTH: 540 TILT: 89 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
22.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
45.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
67.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
90.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
112.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
135.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
157.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
180.0	33.8	33.8	33.8	33.8	33.8	33.3	33.3	33.3
202.5	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
225.0	32.9	32.9	32.5	32.5	32.9	33.3	33.8	33.8
247.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
270.0	33.8	33.3	33.3	33.3	33.8	33.8	33.8	33.3
292.5	33.3	33.3	33.8	33.8	33.8	33.8	33.8	33.8
315.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
337.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8

DEPTH: 540 TILT: 85 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	33.8	33.8	33.8	33.3	33.3	33.8	33.8	33.8
22.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	34.2
45.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
67.5	33.8	33.8	33.8	34.2	34.2	34.2	34.2	34.6
90.0	34.6	34.6	34.2	34.2	33.8	33.8	33.8	33.8
112.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
135.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	31.6
157.5	31.6	31.6	31.6	31.6	31.6	31.6	32.1	31.6
180.0	30.8	30.8	30.8	30.8	30.8	31.2	31.2	30.8
202.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
225.0	30.8	30.8	30.8	30.8	30.8	30.8	30.8	31.2
247.5	31.2	30.8	30.4	30.4	30.8	30.8	30.8	30.8
270.0	30.8	30.8	30.8	31.2	31.2	31.2	30.8	30.8
292.5	30.8	30.8	30.8	30.8	30.8	31.2	31.2	33.3
315.0	33.3	33.3	33.3	33.3	33.3	33.3	33.8	33.8
337.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8

DEPTH: 540 TILT: 80 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	34.2	34.2	34.2	33.8	33.8	34.2	34.2	34.6
22.5	34.2	34.2	34.2	34.6	33.8	33.8	35.0	35.0
45.0	35.0	35.0	33.8	35.0	33.8	33.8	33.8	33.8
67.5	35.0	33.8	33.8	33.8	33.8	33.8	34.2	34.2
90.0	34.2	34.2	34.2	33.8	33.8	33.8	33.8	34.2
112.5	34.2	33.8	33.8	33.8	34.2	34.2	34.2	34.2
135.0	34.2	33.8	33.8	34.2	34.2	35.0	30.8	30.8
157.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
180.0	30.8	30.8	31.2	30.8	31.2	31.2	31.2	31.2
202.5	31.2	31.2	31.2	30.8	30.8	31.2	31.2	31.2
225.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
247.5	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
270.0	31.2	32.1	30.8	30.8	30.8	30.8	30.8	31.2
292.5	30.8	31.2	30.8	30.8	30.8	31.2	31.6	31.6
315.0	31.6	31.6	31.2	31.2	31.6	31.6	31.2	31.6
337.5	31.6	31.6	31.6	31.6	33.8	33.8	33.8	33.8

DEPTH: 540 TILT: 75 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
22.5	34.2	35.0	34.2	34.2	34.2	34.2	34.2	34.2
45.0	34.6	34.6	34.6	34.2	34.2	34.2	34.2	34.2
67.5	34.2	34.2	34.2	34.2	34.2	34.2	33.8	33.8
90.0	33.8	34.2	34.2	34.2	34.2	34.2	34.2	33.8
112.5	33.8	33.8	35.0	34.2	34.2	34.2	34.2	34.2
135.0	34.2	34.2	31.2	31.2	31.2	31.2	31.2	31.2
157.5	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.6
180.0	32.5	31.2	31.2	32.5	31.6	31.6	31.6	31.6
202.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
225.0	32.1	32.1	32.1	32.1	32.1	32.1	31.6	31.6
247.5	31.6	31.6	32.1	32.1	32.1	32.1	32.1	32.1
270.0	31.6	31.6	31.6	32.1	31.6	31.6	31.6	31.6
292.5	31.6	31.2	31.2	31.2	31.2	31.2	31.2	31.6
315.0	31.2	31.2	33.8	32.5	32.9	33.8	33.8	33.8
337.5	35.0	35.0	33.8	34.2	34.2	33.8	34.2	33.8

DEPTH: 540 TILT: 70 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	34.6	34.6	34.6	34.6	34.6	34.6	34.6	35.0
22.5	35.0	35.0	35.0	35.0	35.0	34.6	35.0	34.6
45.0	34.6	34.6	35.0	34.6	34.6	34.6	35.0	34.6
67.5	34.6	35.0	34.6	34.2	34.2	34.2	34.2	33.3
90.0	33.3	33.3	33.3	33.3	33.3	33.3	32.9	33.3
112.5	33.3	33.3	33.8	33.8	33.8	33.8	34.2	34.2
135.0	34.2	34.6	32.9	32.9	32.5	33.3	33.3	32.9
157.5	32.5	32.1	32.1	32.5	32.1	32.1	32.1	32.5
180.0	32.5	32.9	32.5	32.5	32.5	32.9	32.5	32.5
202.5	32.5	32.5	32.5	32.5	32.9	32.9	32.5	32.9
225.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
247.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
270.0	32.9	32.9	32.9	33.3	32.5	32.5	32.5	32.5
292.5	32.5	32.5	32.5	32.5	32.5	32.5	31.6	32.1
315.0	32.1	32.1	33.3	33.3	33.3	33.3	33.8	34.2
337.5	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.6

DEPTH: 540 TILT: 65 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	35.4	35.4	35.4	35.9	35.9	35.9	35.9	36.3
22.5	36.7	36.7	36.3	35.9	36.3	35.9	36.7	36.7
45.0	37.1	37.1	36.7	36.3	35.4	36.3	35.9	35.4
67.5	35.0	34.6	34.6	34.6	34.2	34.2	34.2	33.8
90.0	33.3	33.3	32.9	32.9	32.9	32.9	32.9	32.9
112.5	33.3	33.3	33.3	33.3	34.2	34.6	34.6	35.0
135.0	35.0	34.2	34.2	33.3	33.3	32.9	34.2	33.8
157.5	33.3	33.8	33.8	33.8	33.3	33.3	33.8	33.8
180.0	33.8	34.2	34.2	33.8	33.8	33.8	34.2	34.2
202.5	34.2	34.2	34.2	33.8	34.2	34.2	34.2	34.6
225.0	34.2	34.6	34.6	34.6	34.6	35.0	34.2	34.2
247.5	34.2	34.6	34.2	34.2	34.2	34.6	33.8	34.2
270.0	34.6	34.6	34.2	33.3	35.4	33.8	33.8	33.8
292.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.3
315.0	33.3	33.3	33.3	34.2	34.2	34.2	35.4	35.4
337.5	35.4	35.4	35.0	35.0	35.0	35.0	35.0	35.0

DEPTH: 540 TILT: 60 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	35.9	36.3	36.3	37.1	37.5	38.0	38.4	38.4
22.5	38.4	38.4	38.4	39.7	40.5	40.1	39.7	39.2
45.0	38.0	38.4	38.8	38.8	39.2	39.2	38.4	37.5
67.5	37.5	36.3	35.9	35.4	34.2	34.2	34.2	34.2
90.0	34.2	33.8	33.8	33.8	33.3	33.3	33.8	34.2
112.5	34.2	34.2	34.2	34.2	34.2	34.2	34.6	35.0
135.0	35.4	35.9	37.5	38.0	35.0	34.6	35.0	35.0
157.5	35.0	35.4	34.6	34.2	34.6	35.9	35.4	35.9
180.0	35.9	35.9	35.4	35.4	35.4	35.9	36.3	36.3
202.5	35.9	35.9	36.3	36.3	36.3	35.9	35.9	36.3
225.0	37.1	36.7	36.3	36.3	35.9	35.9	36.3	36.7
247.5	36.7	36.3	36.3	36.3	36.3	36.3	36.7	36.7
270.0	36.7	36.3	36.3	36.3	35.9	35.4	35.9	36.3
292.5	35.9	37.1	36.3	36.3	35.4	35.4	33.8	33.8
315.0	33.8	33.8	33.8	33.8	33.8	33.8	36.7	35.9
337.5	36.7	37.1	36.3	35.9	35.9	35.9	35.4	35.4

DEPTH: 540 TILT: 55 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	36.7	37.1	38.8	39.7	40.1	40.1	40.5	40.1
22.5	40.5	41.3	42.2	42.6	42.6	43.0	43.5	42.2
45.0	42.2	41.3	41.8	42.2	42.2	40.9	40.5	39.7
67.5	38.8	38.4	38.0	37.5	37.5	36.7	36.3	36.3
90.0	35.4	35.4	35.0	35.0	35.0	35.4	35.0	35.0
112.5	35.4	35.9	36.3	36.3	35.9	36.7	36.7	37.1
135.0	38.4	37.5	37.1	37.1	37.1	37.1	37.1	37.1
157.5	37.1	37.1	38.0	37.5	37.5	37.5	38.4	38.0
180.0	38.0	38.0	38.4	38.8	37.5	37.5	37.5	37.1
202.5	38.0	37.1	38.0	38.4	38.4	38.4	38.8	38.8
225.0	39.2	39.2	39.2	38.8	38.0	38.0	38.0	38.4
247.5	38.4	38.4	38.0	38.4	38.0	39.2	38.4	38.4
270.0	38.4	38.0	37.5	38.4	38.4	37.5	37.5	38.0
292.5	38.0	38.0	37.5	37.5	37.1	37.1	38.0	37.5
315.0	37.5	38.0	37.5	37.1	37.1	36.7	40.5	39.7
337.5	40.9	39.2	36.3	36.3	36.3	35.9	36.3	36.7

DEPTH: 540 TILT: 50 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	40.5	40.5	44.7	44.7	45.1	45.6	45.6	45.1
22.5	45.1	45.6	43.9	43.5	43.0	42.2	42.2	41.8
45.0	41.8	41.3	42.2	42.2	42.2	42.2	42.6	42.6
67.5	42.2	42.2	40.9	39.2	38.8	38.0	38.0	38.0
90.0	37.5	37.5	37.5	36.7	36.7	36.7	36.7	37.1
112.5	38.0	38.8	39.2	39.2	39.7	39.7	40.1	40.5
135.0	40.5	40.1	39.7	38.4	38.4	38.4	38.0	38.4
157.5	38.8	39.7	40.1	40.5	39.7	39.7	39.7	40.5
180.0	40.5	40.5	40.9	40.5	40.9	40.5	40.1	40.1
202.5	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9
225.0	41.3	40.9	41.8	42.2	41.8	41.8	41.8	40.9
247.5	40.9	40.5	40.5	40.9	40.9	41.3	40.9	40.9
270.0	40.9	40.9	40.5	41.3	40.9	41.3	40.9	41.3
292.5	41.3	41.8	40.5	40.5	40.5	40.5	40.9	40.5
315.0	40.5	40.9	41.3	41.3	42.2	42.6	42.6	43.0
337.5	43.0	43.0	42.2	41.3	40.9	39.7	40.1	40.5

DEPTH:	540	TILT:	30	RANGE: 100.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	64.1	64.1	64.1	64.1	64.1	63.3	63.7	64.1
22.5	64.6	65.0	65.0	65.0	64.6	64.1	63.7	63.3
45.0	62.9	62.4	62.9	64.6	65.0	62.0	60.3	58.6
67.5	48.1	48.1	47.7	48.1	48.1	48.1	48.5	48.5
90.0	47.7	48.1	48.1	48.5	48.1	47.3	47.7	46.4
112.5	46.8	47.7	48.5	48.5	46.4	46.4	47.3	46.4
135.0	46.4	46.4	46.4	46.8	47.3	47.3	47.3	46.4
157.5	45.6	46.0	55.7	56.5	56.1	55.7	55.3	54.8
180.0	54.8	54.4	53.6	53.6	53.2	52.7	52.3	50.6
202.5	51.5	51.5	51.1	51.5	51.1	51.5	51.9	52.3
225.0	54.4	56.5	65.0	65.8	65.0	63.3	63.7	63.7
247.5	63.3	62.9	62.9	63.3	63.3	63.7	64.1	65.0
270.0	65.4	66.2	67.1	69.2	70.0	70.0	69.6	69.2
292.5	68.8	68.3	67.9	66.7	61.2	60.8	60.3	60.3
315.0	61.2	61.6	62.0	62.0	62.0	61.2	61.2	61.2
337.5	62.0	62.0	60.3	60.8	62.0	65.0	64.6	64.1

DEPTH:	540	TILT:	25	RANGE: 100.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	74.7	69.6	69.6	69.2	67.9	67.1	67.9	67.5
22.5	69.6	69.6	64.6	62.0	62.4	61.6	60.3	59.9
45.0	59.5	59.1	59.9	63.7	64.1	65.0	65.0	63.3
67.5	62.9	61.6	60.3	60.8	61.2	59.9	57.0	57.0
90.0	50.6	50.2	50.6	49.8	49.4	48.5	48.9	48.5
112.5	47.7	47.3	46.8	46.8	46.0	45.1	43.9	44.3
135.0	44.3	50.2	50.2	51.1	51.1	51.1	51.9	51.5
157.5	51.9	51.1	50.6	51.1	53.6	52.3	51.5	51.5
180.0	51.9	51.9	51.9	52.7	51.9	51.9	52.3	52.3
202.5	51.5	51.9	51.9	52.3	51.9	52.3	54.0	54.8
225.0	54.8	56.1	57.0	56.5	56.5	57.0	57.4	57.4
247.5	57.4	59.1	59.1	59.5	59.9	60.8	60.8	60.3
270.0	60.8	61.2	62.0	62.0	62.9	65.0	65.4	66.7
292.5	66.2	65.8	66.2	67.9	68.3	68.3	67.9	67.1
315.0	67.1	63.7	62.0	60.8	60.8	60.3	60.3	60.3
337.5	60.8	61.2	61.2	61.6	62.4	63.7	73.0	74.3

DEPTH:	540	TILT:	20	RANGE: 100.0	VOS:	5958		
Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	69.2	69.2	69.2	67.9	67.9	67.5	63.3	63.3
22.5	63.3	63.7	62.9	64.6	65.4	64.1	49.8	50.2
45.0	50.2	50.6	51.9	52.3	53.2	54.0	54.0	51.1
67.5	52.7	54.0	53.6	48.1	48.1	46.8	47.3	43.5
90.0	43.5	43.5	44.3	45.1	44.7	44.7	46.4	46.8
112.5	46.4	45.1	44.3	44.3	43.9	43.9	43.5	43.5
135.0	42.6	43.0	43.9	43.0	43.0	42.6	40.9	39.7
157.5	40.1	39.7	39.7	39.2	38.4	37.5	38.0	35.9
180.0	35.4	35.0	34.2	34.2	34.6	35.4	36.7	39.2
202.5	49.4	49.8	50.2	50.6	51.1	51.1	51.5	51.5
225.0	52.3	52.3	52.7	52.7	52.3	51.9	51.9	53.2
247.5	52.7	54.4	55.7	55.7	56.1	56.5	59.5	59.5
270.0	59.9	61.2	61.6	61.6	62.4	62.4	61.6	62.4
292.5	62.4	63.3	63.7	63.7	64.6	66.2	65.8	67.5
315.0	68.8	69.6	70.5	72.6	72.6	73.0	73.0	73.4
337.5	73.8	73.8	73.0	71.3	70.0	70.0	69.6	70.0

DEPTH: 540 TILT: 15 RANGE: 100.0 VOS: 5958

Bearing	+ 0.0	+ 2.8	+ 5.6	+ 8.4	+11.3	+14.1	+16.9	+19.7
0.0	54.0	54.8	54.0	53.2	52.3	51.5	49.4	48.9
22.5	48.1	48.1	47.7	47.7	47.3	46.8	46.4	46.0
45.0	46.0	46.8	46.4	45.6	45.6	46.0	46.4	46.8
67.5	46.8	48.1	47.3	47.3	43.9	44.7	43.5	42.6
90.0	41.8	40.5	38.4	39.7	39.2	39.2	40.1	38.8
112.5	41.8	44.3	42.2	41.3	41.8	42.6	42.6	43.5
135.0	43.5	43.0	42.2	40.5	40.5	40.9	39.7	38.4
157.5	39.2	34.2	33.8	32.9	32.9	32.1	32.5	33.8
180.0	32.9	32.5	31.6	31.6	31.2	31.2	30.8	32.1
202.5	32.9	33.8	34.2	35.4	35.0	34.6	35.4	36.7
225.0	38.0	38.4	38.8	40.1	46.8	47.7	48.5	49.8
247.5	50.2	51.1	52.7	56.1	57.4	58.6	60.3	60.3
270.0	62.0	62.9	62.9	62.4	62.9	61.6	62.0	62.0
292.5	62.4	64.1	62.9	64.6	65.8	67.1	67.1	68.8
315.0	69.6	70.0	70.5	69.6	68.8	67.5	66.2	70.9
337.5	70.5	70.5	69.6	68.8	68.3	68.8	68.8	68.8