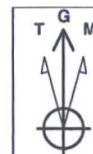
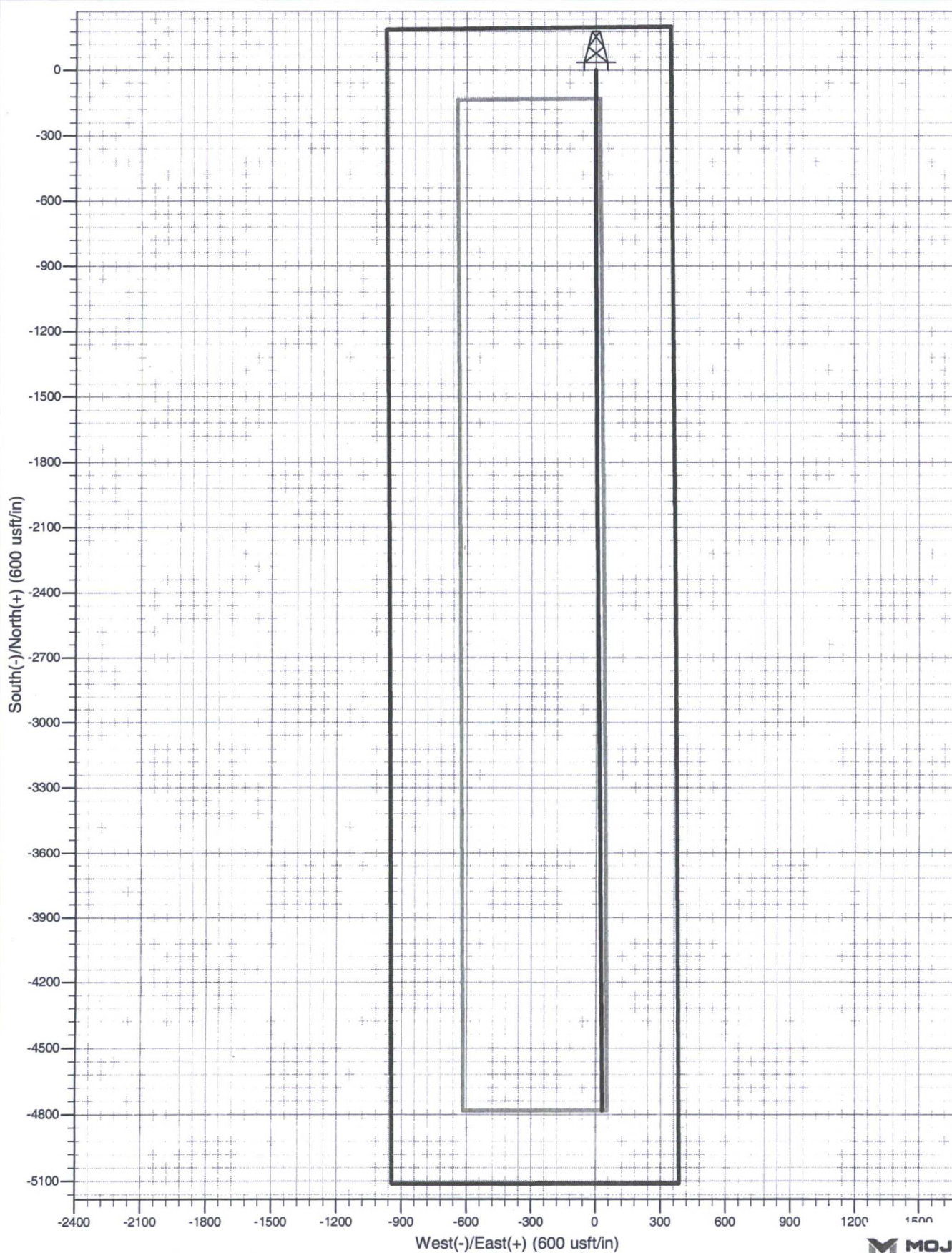


Project: North Lea Prospect
Site: Section 4
Well: North Lea 4 Federal Com #1H
Wellbore: North Lea 4 Federal Com #1H
Design: North Lea 4 Fed Com 1H



Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.01°

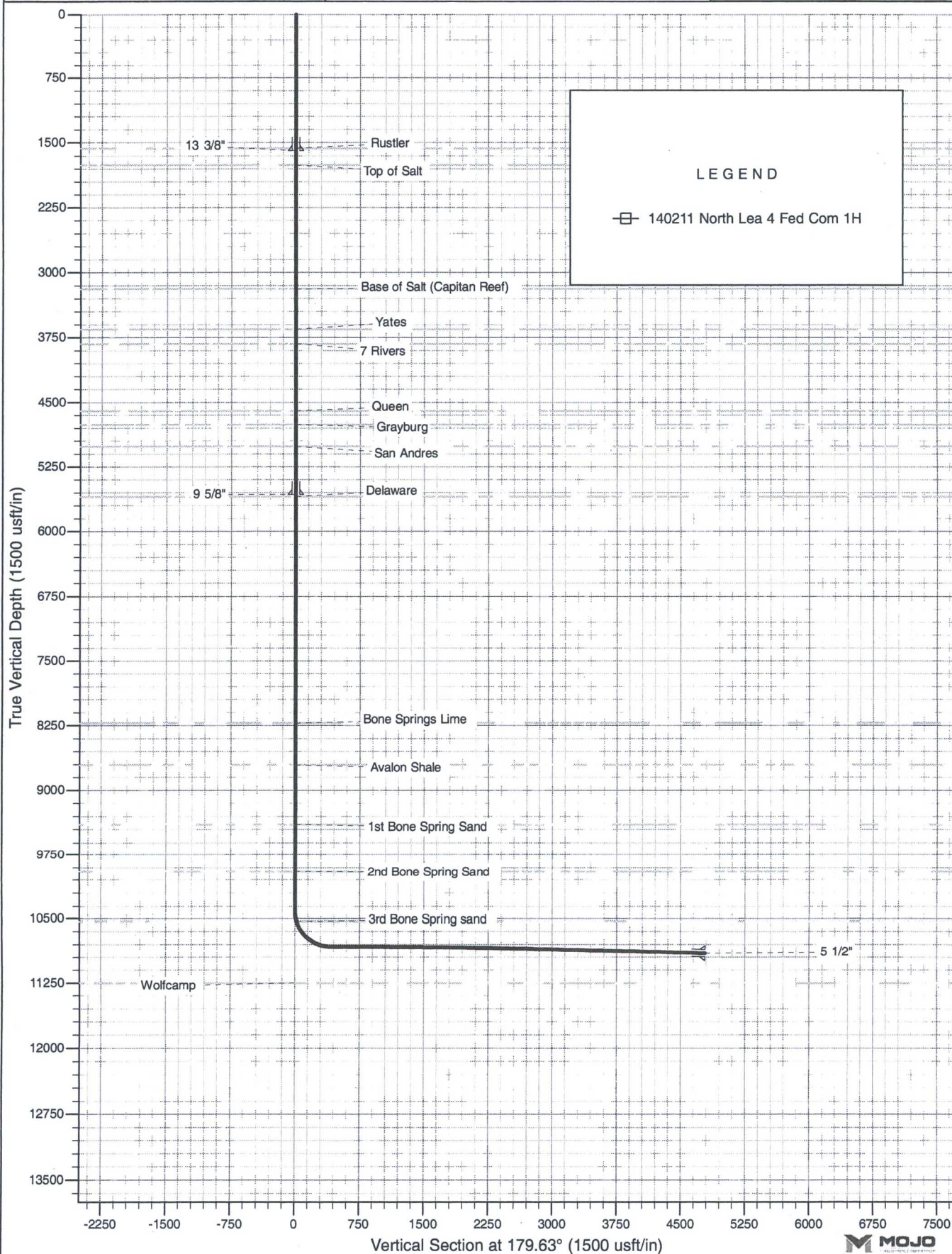
Magnetic Field
Strength: 48704.0nT
Dip Angle: 60.51°
Date: 22/11/2012
Model: IGRF2010



Project: North Lea Prospect
 Site: Section 4
 Well: North Lea 4 Federal Com #1H
 Wellbore: North Lea 4 Federal Com #1H
 Design: North Lea 4 Fed Com 1H



Azimuths to Grid North
 True North: -0.42°
 Magnetic North: 7.01°
 Magnetic Field
 Strength: 48704.0nT
 Dip Angle: 60.51°
 Date: 22/11/2012
 Model: IGRF2010





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Read and Stevens Inc.

North Lea Prospect T20S-R34E

Section 4

North Lea 4 Federal Com #1H

Plan: 140211 North Lea 4 Fed Com 1H

MOJO Standard Plan

10 February, 2014



Company:	Read and Stevens Inc.	Local Co-ordinate Reference:	Well North Lea 4 Federal Com #1H
Project:	North Lea Prospect T20S-R34E	TVD Reference:	WELL (copy) @ 3678.2usft (Original Well Elev)
Site:	Section 4	MD Reference:	WELL (copy) @ 3678.2usft (Original Well Elev)
Well:	North Lea 4 Federal Com #1H	North Reference:	Grid
Wellbore:	North Lea 4 Federal Com #1H	Survey Calculation Method:	Minimum Curvature
Design:	140211 North Lea 4 Fed Com 1H	Database:	EDM 5000.1 Single User Db

Project	North Lea Prospect T20S-R34E		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Section 4		
Site Position:		Northing:	583,662.16 usft
From:	Lat/Long	Easting:	777,897.65 usft
Position Uncertainty:	1.0 usft	Slot Radius:	16 "
		Latitude:	32° 36' 7.886 N
		Longitude:	103° 33' 54.552 W
		Grid Convergence:	0.41 °

Well	North Lea 4 Federal Com #1H		
Well Position	+N-S	0.0 usft	Northing: 586,126.49 usft
	+E-W	0.0 usft	Easting: 780,161.66 usft
Position Uncertainty		1.0 usft	Wellhead Elevation: usft
			Latitude: 32° 36' 32.107 N
			Longitude: 103° 33' 27.877 W
			Ground Level: 3,656.2 usft

Wellbore	North Lea 4 Federal Com #1H		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	22/11/2012	7.43
			Dip Angle (°) 60.51
			Field Strength (nT) 48,704

Design	140211 North Lea 4 Fed Com 1H		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)
	0.0	0.0	0.0
			Direction (°) 179.63

Survey Tool Program	Date 10/02/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
0.0	15,432.9	140211 North Lea 4 Fed Com 1H (North L	MWD
			Description MWD - Standard

Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 4
 Well: North Lea 4 Federal Com #1H
 Wellbore: North Lea 4 Federal Com #1H
 Design: 140211 North Lea 4 Fed Com 1H

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well North Lea 4 Federal Com #1H
 WELL (copy) @ 3678.2usft (Original Well Elev)
 WELL (copy) @ 3678.2usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-3,678.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
100.0	0.00	0.00	100.0	-3,578.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
200.0	0.00	0.00	200.0	-3,478.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
300.0	0.00	0.00	300.0	-3,378.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
400.0	0.00	0.00	400.0	-3,278.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
500.0	0.00	0.00	500.0	-3,178.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
600.0	0.00	0.00	600.0	-3,078.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
700.0	0.00	0.00	700.0	-2,978.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
800.0	0.00	0.00	800.0	-2,878.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
900.0	0.00	0.00	900.0	-2,778.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,000.0	0.00	0.00	1,000.0	-2,678.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,100.0	0.00	0.00	1,100.0	-2,578.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,200.0	0.00	0.00	1,200.0	-2,478.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,300.0	0.00	0.00	1,300.0	-2,378.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,400.0	0.00	0.00	1,400.0	-2,278.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,500.0	0.00	0.00	1,500.0	-2,178.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,565.2	0.00	0.00	1,565.2	-2,113.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Rustler										
1,590.2	0.00	0.00	1,590.2	-2,088.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
13 3/8"										
1,600.0	0.00	0.00	1,600.0	-2,078.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,700.0	0.00	0.00	1,700.0	-1,978.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,760.2	0.00	0.00	1,760.2	-1,918.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Top of Salt										
1,800.0	0.00	0.00	1,800.0	-1,878.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1,900.0	0.00	0.00	1,900.0	-1,778.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,000.0	0.00	0.00	2,000.0	-1,678.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,100.0	0.00	0.00	2,100.0	-1,578.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66

Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 4
 Well: North Lea 4 Federal Com #1H
 Wellbore: North Lea 4 Federal Com #1H
 Design: 140211 North Lea 4 Fed Com 1H

Local Co-ordinate Reference: Well North Lea 4 Federal Com #1H
 TVD Reference: WELL (copy) @ 3678.2usft (Original Well Elev)
 MD Reference: WELL (copy) @ 3678.2usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,200.0	0.00	0.00	2,200.0	-1,478.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,300.0	0.00	0.00	2,300.0	-1,378.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,400.0	0.00	0.00	2,400.0	-1,278.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,500.0	0.00	0.00	2,500.0	-1,178.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,600.0	0.00	0.00	2,600.0	-1,078.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,700.0	0.00	0.00	2,700.0	-978.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,800.0	0.00	0.00	2,800.0	-878.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2,900.0	0.00	0.00	2,900.0	-778.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,000.0	0.00	0.00	3,000.0	-678.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,100.0	0.00	0.00	3,100.0	-578.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,190.2	0.00	0.00	3,190.2	-488.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Base of Salt (Capitan Reef)										
3,200.0	0.00	0.00	3,200.0	-478.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,300.0	0.00	0.00	3,300.0	-378.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,400.0	0.00	0.00	3,400.0	-278.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,500.0	0.00	0.00	3,500.0	-178.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,600.0	0.00	0.00	3,600.0	-78.2	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,653.2	0.00	0.00	3,653.2	-25.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Yates										
3,700.0	0.00	0.00	3,700.0	21.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,800.0	0.00	0.00	3,800.0	121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
3,821.2	0.00	0.00	3,821.2	143.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7 Rivers										
3,900.0	0.00	0.00	3,900.0	221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,000.0	0.00	0.00	4,000.0	321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,100.0	0.00	0.00	4,100.0	421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,200.0	0.00	0.00	4,200.0	521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,300.0	0.00	0.00	4,300.0	621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66

Company:	Read and Stevens Inc.	Local Co-ordinate Reference:	Well North Lea 4 Federal Com #1H
Project:	North Lea Prospect T20S-R34E	TVD Reference:	WELL (copy) @ 3678.2usft (Original Well Elev)
Site:	Section 4	MD Reference:	WELL (copy) @ 3678.2usft (Original Well Elev)
Well:	North Lea 4 Federal Com #1H	North Reference:	Grid
Wellbore:	North Lea 4 Federal Com #1H	Survey Calculation Method:	Minimum Curvature
Design:	140211 North Lea 4 Fed Com 1H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
4,400.0	0.00	0.00	4,400.0	721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,500.0	0.00	0.00	4,500.0	821.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,600.0	0.00	0.00	4,600.0	921.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,600.2	0.00	0.00	4,600.2	922.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Queen										
4,700.0	0.00	0.00	4,700.0	1,021.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,757.2	0.00	0.00	4,757.2	1,079.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Grayburg										
4,800.0	0.00	0.00	4,800.0	1,121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
4,900.0	0.00	0.00	4,900.0	1,221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,000.0	0.00	0.00	5,000.0	1,321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,015.2	0.00	0.00	5,015.2	1,337.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
San Andres										
5,100.0	0.00	0.00	5,100.0	1,421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,200.0	0.00	0.00	5,200.0	1,521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,300.0	0.00	0.00	5,300.0	1,621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,400.0	0.00	0.00	5,400.0	1,721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,500.0	0.00	0.00	5,500.0	1,821.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,575.2	0.00	0.00	5,575.2	1,897.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9 5/8"										
5,595.2	0.00	0.00	5,595.2	1,917.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Delaware										
5,600.0	0.00	0.00	5,600.0	1,921.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,700.0	0.00	0.00	5,700.0	2,021.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,800.0	0.00	0.00	5,800.0	2,121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
5,900.0	0.00	0.00	5,900.0	2,221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,000.0	0.00	0.00	6,000.0	2,321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,100.0	0.00	0.00	6,100.0	2,421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66

Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 4
 Well: North Lea 4 Federal Com #1H
 Wellbore: North Lea 4 Federal Com #1H
 Design: 140211 North Lea 4 Fed Com 1H

Local Co-ordinate Reference: Well North Lea 4 Federal Com #1H
 TVD Reference: WELL (copy) @ 3678.2usft (Original Well Elev)
 MD Reference: WELL (copy) @ 3678.2usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
6,200.0	0.00	0.00	6,200.0	2,521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,300.0	0.00	0.00	6,300.0	2,621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,400.0	0.00	0.00	6,400.0	2,721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,500.0	0.00	0.00	6,500.0	2,821.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,600.0	0.00	0.00	6,600.0	2,921.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,700.0	0.00	0.00	6,700.0	3,021.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,800.0	0.00	0.00	6,800.0	3,121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
6,900.0	0.00	0.00	6,900.0	3,221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,000.0	0.00	0.00	7,000.0	3,321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,100.0	0.00	0.00	7,100.0	3,421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,200.0	0.00	0.00	7,200.0	3,521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,300.0	0.00	0.00	7,300.0	3,621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,400.0	0.00	0.00	7,400.0	3,721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,500.0	0.00	0.00	7,500.0	3,821.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,600.0	0.00	0.00	7,600.0	3,921.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,700.0	0.00	0.00	7,700.0	4,021.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,800.0	0.00	0.00	7,800.0	4,121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
7,900.0	0.00	0.00	7,900.0	4,221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,000.0	0.00	0.00	8,000.0	4,321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,100.0	0.00	0.00	8,100.0	4,421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,200.0	0.00	0.00	8,200.0	4,521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,222.2	0.00	0.00	8,222.2	4,544.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Bone Springs Lime										
8,300.0	0.00	0.00	8,300.0	4,621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,400.0	0.00	0.00	8,400.0	4,721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,500.0	0.00	0.00	8,500.0	4,821.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,600.0	0.00	0.00	8,600.0	4,921.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66

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 Project: North Lea Prospect T20S-R34E
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 Wellbore: North Lea 4 Federal Com #1H
 Design: 140211 North Lea 4 Fed Com 1H

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well North Lea 4 Federal Com #1H
 WELL (copy) @ 3678.2usft (Original Well Elev)
 WELL (copy) @ 3678.2usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,700.0	0.00	0.00	8,700.0	5,021.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,707.2	0.00	0.00	8,707.2	5,029.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
Avalon Shale										
8,800.0	0.00	0.00	8,800.0	5,121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
8,900.0	0.00	0.00	8,900.0	5,221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,000.0	0.00	0.00	9,000.0	5,321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,100.0	0.00	0.00	9,100.0	5,421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,200.0	0.00	0.00	9,200.0	5,521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,300.0	0.00	0.00	9,300.0	5,621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,395.2	0.00	0.00	9,395.2	5,717.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
1st Bone Spring Sand										
9,400.0	0.00	0.00	9,400.0	5,721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,500.0	0.00	0.00	9,500.0	5,821.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,600.0	0.00	0.00	9,600.0	5,921.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,700.0	0.00	0.00	9,700.0	6,021.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,800.0	0.00	0.00	9,800.0	6,121.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,900.0	0.00	0.00	9,900.0	6,221.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
9,945.2	0.00	0.00	9,945.2	6,267.0	0.0	0.0	0.0	0.00	586,126.49	780,161.66
2nd Bone Spring Sand										
10,000.0	0.00	0.00	10,000.0	6,321.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
10,100.0	0.00	0.00	10,100.0	6,421.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
10,200.0	0.00	0.00	10,200.0	6,521.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
10,300.0	0.00	0.00	10,300.0	6,621.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
10,400.0	0.00	0.00	10,400.0	6,721.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
10,415.0	0.00	0.00	10,415.0	6,736.8	0.0	0.0	0.0	0.00	586,126.49	780,161.66
10,425.0	1.40	180.00	10,425.0	6,746.8	-0.1	0.0	0.1	14.00	586,126.37	780,161.66
10,450.0	4.90	180.00	10,450.0	6,771.8	-1.5	0.0	1.5	14.00	586,124.99	780,161.66

Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 4
 Well: North Lea 4 Federal Com #1H
 Wellbore: North Lea 4 Federal Com #1H
 Design: 140211 North Lea 4 Fed Com 1H

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well North Lea 4 Federal Com #1H
 WELL (copy) @ 3678.2usft (Original Well Elev)
 WELL (copy) @ 3678.2usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,475.0	8.40	180.00	10,474.8	6,796.6	-4.4	0.0	4.4	14.00	586,122.10	780,161.66
10,500.0	11.90	180.00	10,499.4	6,821.2	-8.8	0.0	8.8	14.00	586,117.69	780,161.66
10,525.0	15.40	180.00	10,523.7	6,845.5	-14.7	0.0	14.7	14.00	586,111.80	780,161.66
10,534.9	16.79	180.00	10,533.2	6,855.0	-17.4	0.0	17.4	14.00	586,109.05	780,161.66
3rd Bone Spring sand										
10,550.0	18.90	180.00	10,547.6	6,869.4	-22.1	0.0	22.1	14.00	586,104.43	780,161.66
10,575.0	22.40	180.00	10,571.0	6,892.8	-30.9	0.0	30.9	14.00	586,095.61	780,161.66
10,600.0	25.90	180.00	10,593.8	6,915.6	-41.1	0.0	41.1	14.00	586,085.38	780,161.66
10,625.0	29.40	180.00	10,615.9	6,937.7	-52.7	0.0	52.7	14.00	586,073.78	780,161.66
10,650.0	32.90	180.00	10,637.3	6,959.1	-65.6	0.0	65.6	14.00	586,060.85	780,161.66
10,675.0	36.40	180.00	10,657.9	6,979.7	-79.8	0.0	79.8	14.00	586,046.64	780,161.66
10,700.0	39.90	180.00	10,677.5	6,999.3	-95.3	0.0	95.3	14.00	586,031.20	780,161.66
10,725.0	43.40	180.00	10,696.2	7,018.0	-111.9	0.0	111.9	14.00	586,014.59	780,161.66
10,750.0	46.90	180.00	10,713.8	7,035.6	-129.6	0.0	129.6	14.00	585,996.87	780,161.66
10,775.0	50.40	180.00	10,730.3	7,052.1	-148.4	0.0	148.4	14.00	585,978.11	780,161.66
10,800.0	53.90	180.00	10,745.7	7,067.5	-168.1	0.0	168.1	14.00	585,958.37	780,161.66
10,825.0	57.40	180.00	10,759.8	7,081.6	-188.8	0.0	188.8	14.00	585,937.73	780,161.66
10,850.0	60.90	180.00	10,772.6	7,094.4	-210.2	0.0	210.2	14.00	585,916.27	780,161.66
10,875.0	64.40	180.00	10,784.1	7,105.9	-232.4	0.0	232.4	14.00	585,894.07	780,161.66
10,900.0	67.90	180.00	10,794.2	7,116.0	-255.3	0.0	255.3	14.00	585,871.21	780,161.66
10,925.0	71.40	180.00	10,802.9	7,124.7	-278.7	0.0	278.7	14.00	585,847.78	780,161.66
10,950.0	74.90	180.00	10,810.1	7,131.9	-302.6	0.0	302.6	14.00	585,823.85	780,161.66
10,975.0	78.40	180.00	10,815.9	7,137.7	-327.0	0.0	327.0	14.00	585,799.53	780,161.66
11,000.0	81.90	180.00	10,820.2	7,142.0	-351.6	0.0	351.6	14.00	585,774.91	780,161.66
11,025.0	85.40	180.00	10,822.9	7,144.7	-376.4	0.0	376.4	14.00	585,750.07	780,161.66
11,050.0	88.90	180.00	10,824.2	7,146.0	-401.4	0.0	401.4	14.00	585,725.10	780,161.66
11,057.9	90.00	180.00	10,824.3	7,146.1	-409.3	0.0	409.2	14.00	585,717.24	780,161.66

Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 4
 Well: North Lea 4 Federal Com #1H
 Wellbore: North Lea 4 Federal Com #1H
 Design: 140211 North Lea 4 Fed Com 1H

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well North Lea 4 Federal Com #1H
 WELL (copy) @ 3678.2usft (Original Well Elev)
 WELL (copy) @ 3678.2usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
11,100.0	89.98	179.99	10,824.3	7,146.1	-451.4	0.0	451.4	0.06	585,675.10	780,161.66
11,200.0	89.92	179.97	10,824.4	7,146.2	-551.4	0.0	551.4	0.06	585,575.11	780,161.70
11,300.0	89.86	179.95	10,824.5	7,146.3	-651.4	0.1	651.4	0.06	585,475.11	780,161.77
11,400.0	89.80	179.92	10,824.8	7,146.6	-751.4	0.2	751.4	0.06	585,375.11	780,161.89
11,500.0	89.75	179.90	10,825.2	7,147.0	-851.4	0.4	851.4	0.06	585,275.11	780,162.04
11,600.0	89.69	179.88	10,825.7	7,147.5	-951.4	0.6	951.4	0.06	585,175.12	780,162.24
11,700.0	89.63	179.85	10,826.3	7,148.1	-1,051.4	0.8	1,051.4	0.06	585,075.12	780,162.47
11,800.0	89.57	179.83	10,827.0	7,148.8	-1,151.4	1.1	1,151.4	0.06	584,975.13	780,162.74
11,900.0	89.52	179.81	10,827.8	7,149.6	-1,251.4	1.4	1,251.4	0.06	584,875.13	780,163.06
12,000.0	89.46	179.79	10,828.7	7,150.5	-1,351.4	1.8	1,351.4	0.06	584,775.14	780,163.41
12,100.0	89.40	179.76	10,829.7	7,151.5	-1,451.4	2.1	1,451.4	0.06	584,675.15	780,163.80
12,200.0	89.34	179.74	10,830.8	7,152.6	-1,551.4	2.6	1,551.4	0.06	584,575.16	780,164.23
12,300.0	89.29	179.72	10,832.0	7,153.8	-1,651.4	3.0	1,651.3	0.06	584,475.17	780,164.70
12,400.0	89.23	179.70	10,833.3	7,155.1	-1,751.4	3.6	1,751.3	0.06	584,375.18	780,165.21
12,500.0	89.17	179.67	10,834.7	7,156.5	-1,851.3	4.1	1,851.3	0.06	584,275.20	780,165.76
12,600.0	89.11	179.65	10,836.2	7,158.0	-1,951.3	4.7	1,951.3	0.06	584,175.21	780,166.35
12,700.0	89.06	179.63	10,837.8	7,159.6	-2,051.3	5.3	2,051.3	0.06	584,075.23	780,166.98
12,800.0	89.00	179.61	10,839.5	7,161.3	-2,151.3	6.0	2,151.3	0.06	583,975.25	780,167.65
12,900.0	88.94	179.58	10,841.3	7,163.1	-2,251.3	6.7	2,251.3	0.06	583,875.27	780,168.35
13,000.0	88.88	179.56	10,843.2	7,165.0	-2,351.3	7.4	2,351.3	0.06	583,775.29	780,169.10
13,100.0	88.83	179.54	10,845.2	7,167.0	-2,451.2	8.2	2,451.2	0.06	583,675.32	780,169.89
13,200.0	88.77	179.52	10,847.3	7,169.1	-2,551.2	9.1	2,551.2	0.06	583,575.35	780,170.71
13,300.0	88.71	179.49	10,849.5	7,171.3	-2,651.2	9.9	2,651.2	0.06	583,475.38	780,171.58
13,400.0	88.65	179.47	10,851.8	7,173.6	-2,751.1	10.8	2,751.2	0.06	583,375.41	780,172.48
13,500.0	88.60	179.45	10,854.2	7,176.0	-2,851.1	11.8	2,851.1	0.06	583,275.45	780,173.43
13,585.4	88.55	179.43	10,856.3	7,178.1	-2,936.5	12.6	2,936.5	0.06	583,190.10	780,174.27
13,600.0	88.55	179.43	10,856.7	7,178.5	-2,951.1	12.8	2,951.1	0.00	583,175.49	780,174.41

Company:	Read and Stevens Inc.	Local Co-ordinate Reference:	Well North Lea 4 Federal Com #1H
Project:	North Lea Prospect T20S-R34E	TVD Reference:	WELL (copy) @ 3678.2usft (Original Well Elev)
Site:	Section 4	MD Reference:	WELL (copy) @ 3678.2usft (Original Well Elev)
Well:	North Lea 4 Federal Com #1H	North Reference:	Grid
Wellbore:	North Lea 4 Federal Com #1H	Survey Calculation Method:	Minimum Curvature
Design:	140211 North Lea 4 Fed Com 1H	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
13,700.0	88.55	179.43	10,859.2	7,181.0	-3,051.0	13.8	3,051.1	0.00	583,075.52	780,175.41
13,800.0	88.55	179.43	10,861.8	7,183.6	-3,151.0	14.7	3,151.0	0.00	582,975.56	780,176.41
13,900.0	88.55	179.43	10,864.3	7,186.1	-3,251.0	15.7	3,251.0	0.00	582,875.60	780,177.40
14,000.0	88.55	179.43	10,866.8	7,188.6	-3,350.9	16.7	3,351.0	0.00	582,775.64	780,178.40
14,100.0	88.55	179.43	10,869.4	7,191.2	-3,450.9	17.7	3,450.9	0.00	582,675.68	780,179.40
14,200.0	88.55	179.43	10,871.9	7,193.7	-3,550.9	18.7	3,550.9	0.00	582,575.72	780,180.40
14,300.0	88.55	179.43	10,874.5	7,196.3	-3,650.8	19.7	3,650.9	0.00	582,475.76	780,181.39
14,400.0	88.55	179.43	10,877.0	7,198.8	-3,750.8	20.7	3,750.8	0.00	582,375.80	780,182.39
14,500.0	88.55	179.43	10,879.5	7,201.3	-3,850.7	21.7	3,850.8	0.00	582,275.84	780,183.39
14,600.0	88.55	179.43	10,882.1	7,203.9	-3,950.7	22.7	3,950.8	0.00	582,175.88	780,184.39
14,700.0	88.55	179.43	10,884.6	7,206.4	-4,050.7	23.7	4,050.7	0.00	582,075.92	780,185.38
14,800.0	88.55	179.43	10,887.1	7,208.9	-4,150.6	24.7	4,150.7	0.00	581,975.96	780,186.38
14,900.0	88.55	179.43	10,889.7	7,211.5	-4,250.6	25.7	4,250.7	0.00	581,876.00	780,187.38
15,000.0	88.55	179.43	10,892.2	7,214.0	-4,350.6	26.7	4,350.6	0.00	581,776.04	780,188.38
15,100.0	88.55	179.43	10,894.8	7,216.6	-4,450.5	27.7	4,450.6	0.00	581,676.08	780,189.37
15,200.0	88.55	179.43	10,897.3	7,219.1	-4,550.5	28.7	4,550.6	0.00	581,576.12	780,190.37
15,300.0	88.55	179.43	10,899.8	7,221.6	-4,650.4	29.7	4,650.5	0.00	581,476.16	780,191.37
15,400.0	88.55	179.43	10,902.4	7,224.2	-4,750.4	30.7	4,750.5	0.00	581,376.20	780,192.37
15,426.2	88.55	179.43	10,903.0	7,224.8	-4,776.6	31.0	4,776.7	0.00	581,350.05	780,192.63
15,433.0	88.55	179.43	10,903.2	7,225.0	-4,783.4	31.0	4,783.5	0.06	581,343.21	780,192.70

5 1/2"

Company: Read and Stevens Inc. Project: North Lea Prospect T20S-R34E Site: Section 4 Well: North Lea 4 Federal Com #1H Wellbore: North Lea 4 Federal Com #1H Design: 140211 North Lea 4 Fed Com 1H	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Well North Lea 4 Federal Com #1H WELL (copy) @ 3678.2usft (Original Well Elev) WELL (copy) @ 3678.2usft (Original Well Elev) Grid Minimum Curvature EDM 5000.1 Single User Db
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Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,575.2	5,575.2	9 5/8"	9-5/8	12-1/4
1,590.2	1,590.2	13 3/8"	13-3/8	16
15,433.0	10,903.2	5 1/2"	5-1/2	8-1/2

Formations

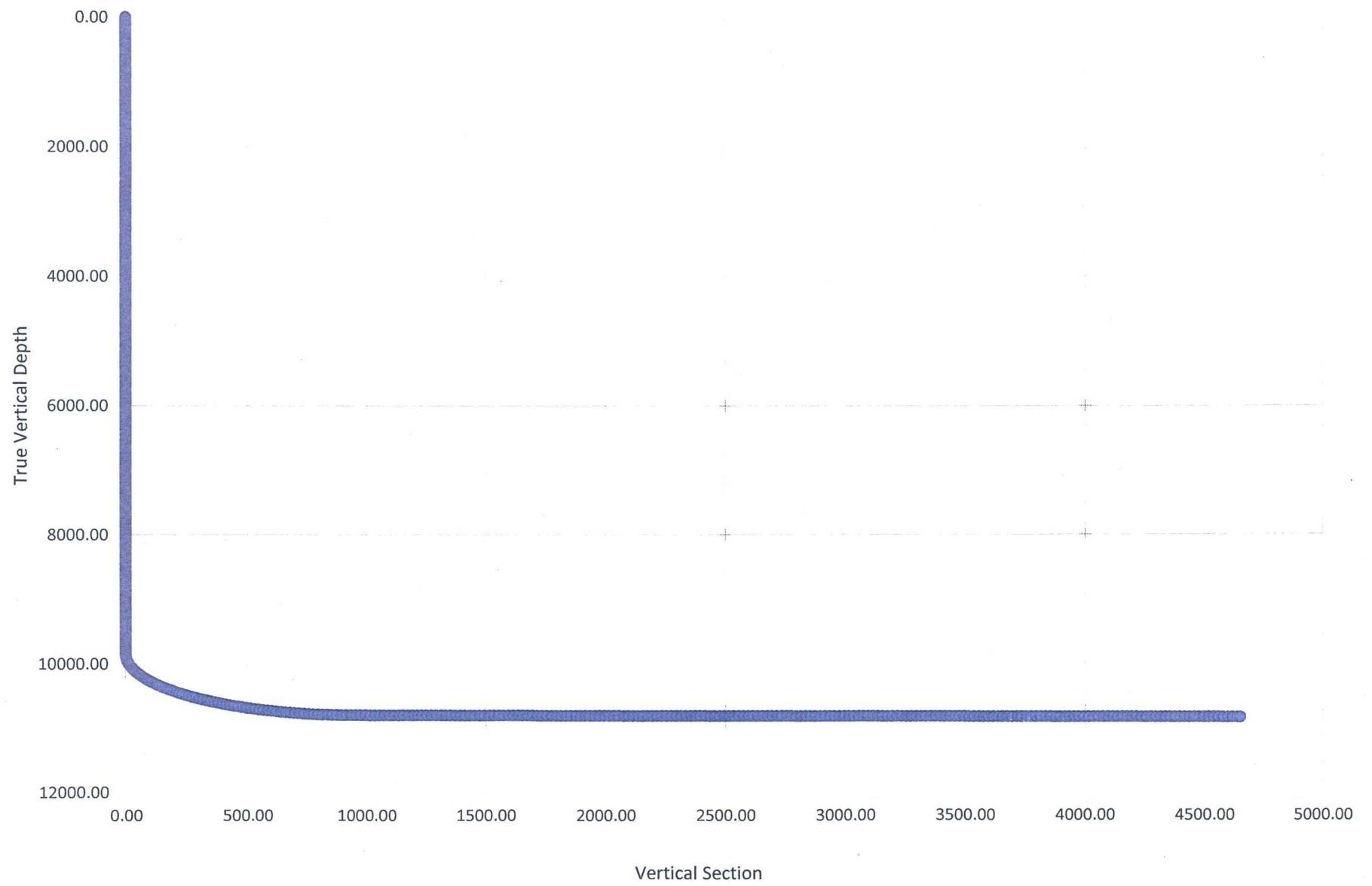
Measured Depth (usft)	Vertical Depth (usft)	Name	Dip (°)
9,395.2	9,395.2	1st Bone Spring Sand	0.00
5,015.2	5,015.2	San Andres	0.00
4,600.2	4,600.2	Queen	0.00
8,222.2	8,222.2	Bone Springs Lime	0.00
5,595.2	5,595.2	Delaware	0.00
3,190.2	3,190.2	Base of Salt (Capitan Reef)	0.00
9,945.2	9,945.2	2nd Bone Spring Sand	0.00
1,760.2	1,760.2	Top of Salt	0.00
8,707.2	8,707.2	Avalon Shale	0.00
1,565.2	1,565.2	Rustler	0.00
10,534.9	10,533.2	3rd Bone Spring sand	0.00
3,821.2	3,821.2	7 Rivers	0.00
4,757.2	4,757.2	Grayburg	0.00
3,653.2	3,653.2	Yates	0.00

Checked By: _____	Approved By: _____	Date: _____
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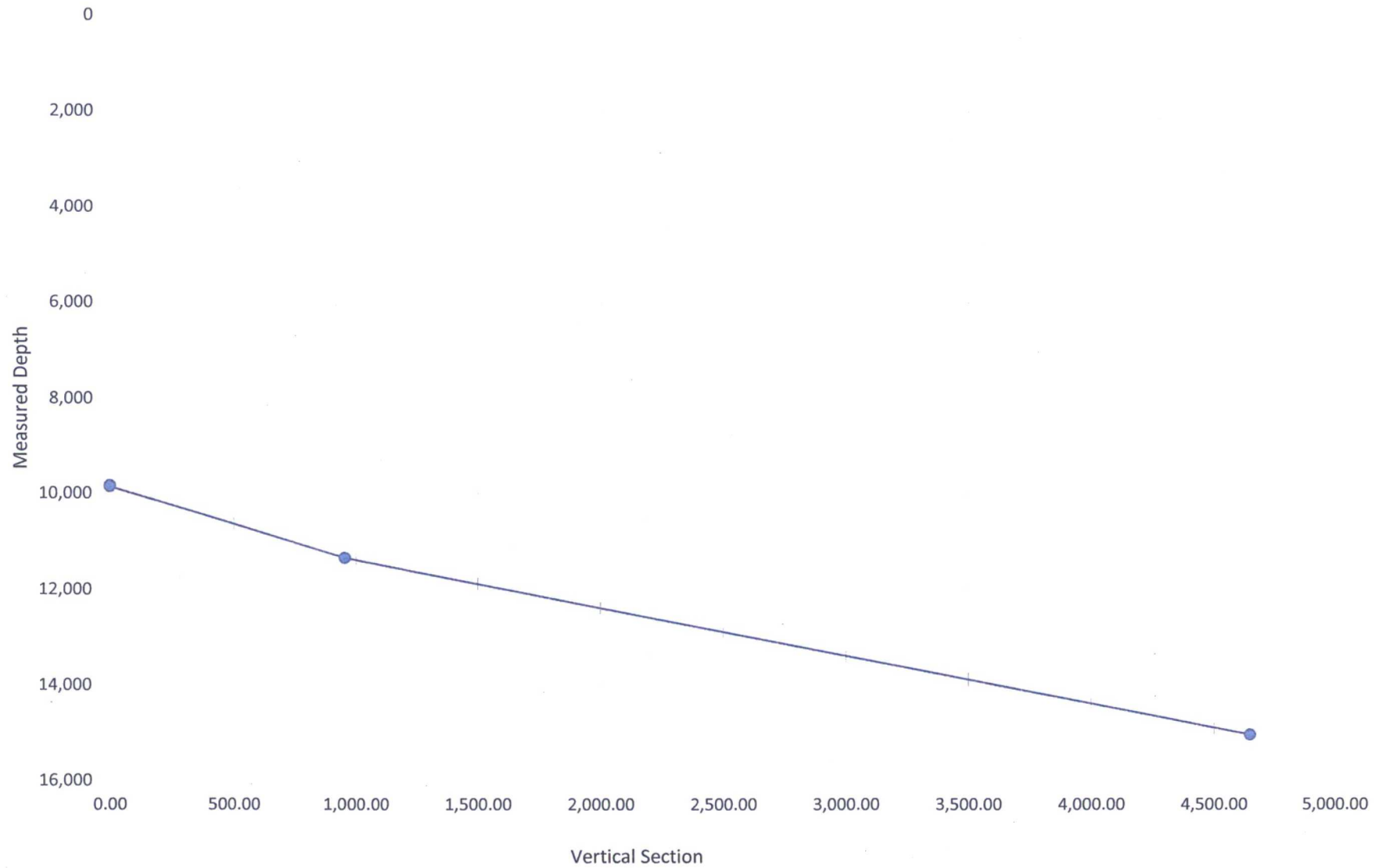
Lea Fed 4 1H			HORIZONTAL WELLBORE SAMPLE				
MD	Inc	Az	TVD	N	E	DLS	V/S
ft	deg	deg	ft	ft	ft	deg/100'	ft
0	0	0	0.00	0.00	0.00		
9,838	0	0	9,838.00	0.00	0.00	0.00	0.00
9,858	1.2	180.74	9,858.00	-0.21	0.00	6.00	0.21
11,338	89.4	180.74	10,793.05	-954.95	12.33	6.00	954.95
15,030	89.4	180.74	10,831.70	-4,646.74	60.01	0.00	4,646.74

BN 10/31/2011

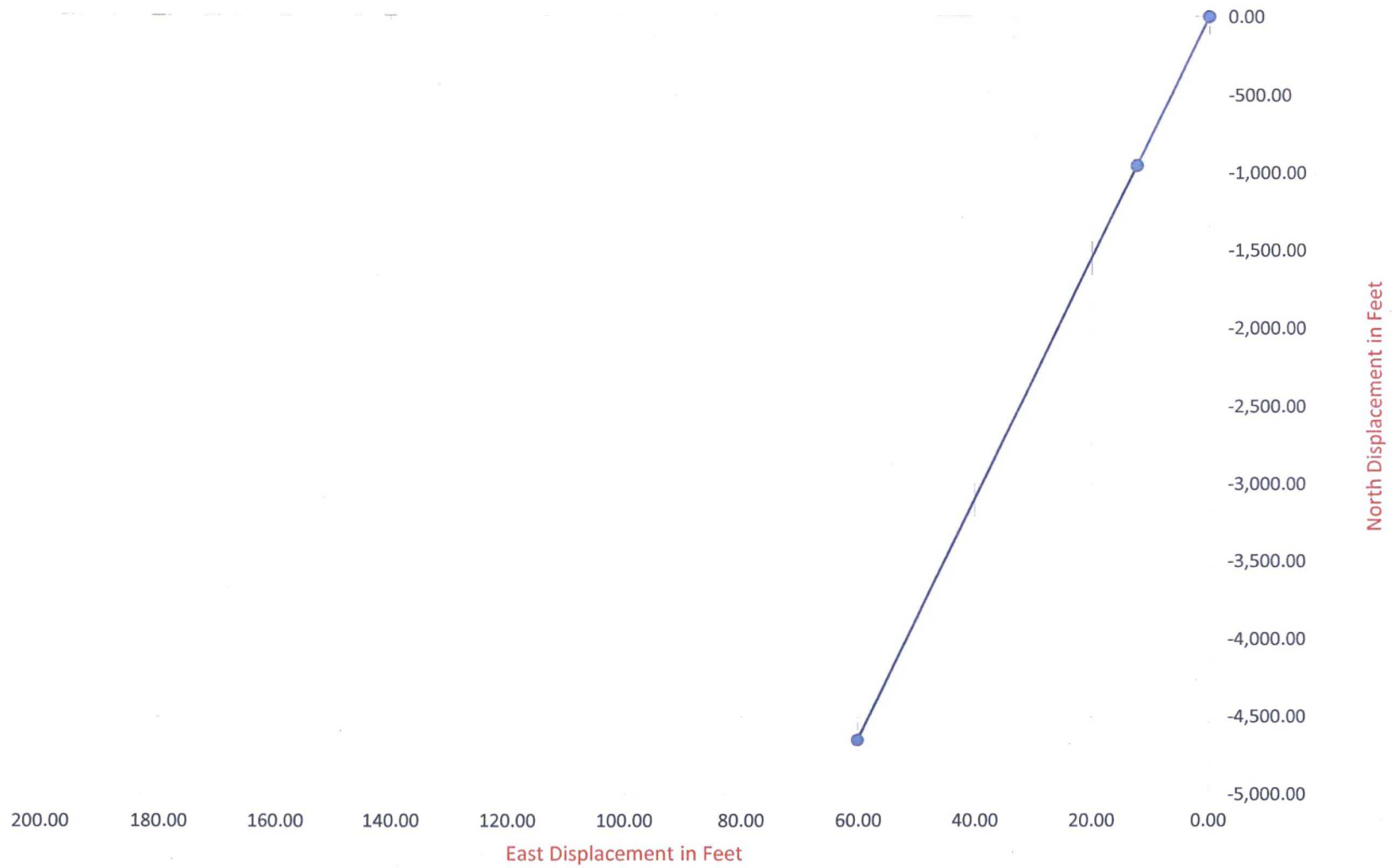
Lea 4 Fed 1H - Horizontal Well



Lea Fed 1H
Vertical Section against Measured Depth
HORIZONTAL WELLBORE EXAMPLE



Lea 4 Fed 1H
Plan View
HORIZONTAL WELLBORE



10831

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

7200.00	0.00	180.74	7200.00	0.00	0.00	0.00			2083873.9	11836896.5
7220.00	0.00	180.74	7220.00	0.00	0.00	0.00			2083873.9	11836896.5
7240.00	0.00	180.74	7240.00	0.00	0.00	0.00			2083873.9	11836896.5
7260.00	0.00	180.74	7260.00	0.00	0.00	0.00			2083873.9	11836896.5
7280.00	0.00	180.74	7280.00	0.00	0.00	0.00			2083873.9	11836896.5
7300.00	0.00	180.74	7300.00	0.00	0.00	0.00			2083873.9	11836896.5
7320.00	0.00	180.74	7320.00	0.00	0.00	0.00			2083873.9	11836896.5
7340.00	0.00	180.74	7340.00	0.00	0.00	0.00			2083873.9	11836896.5
7360.00	0.00	180.74	7360.00	0.00	0.00	0.00			2083873.9	11836896.5
7380.00	0.00	180.74	7380.00	0.00	0.00	0.00			2083873.9	11836896.5
7400.00	0.00	180.74	7400.00	0.00	0.00	0.00			2083873.9	11836896.5
7420.00	0.00	180.74	7420.00	0.00	0.00	0.00			2083873.9	11836896.5
7440.00	0.00	180.74	7440.00	0.00	0.00	0.00			2083873.9	11836896.5
7460.00	0.00	180.74	7460.00	0.00	0.00	0.00			2083873.9	11836896.5
7480.00	0.00	180.74	7480.00	0.00	0.00	0.00			2083873.9	11836896.5
7500.00	0.00	180.74	7500.00	0.00	0.00	0.00			2083873.9	11836896.5
7520.00	0.00	180.74	7520.00	0.00	0.00	0.00			2083873.9	11836896.5
7540.00	0.00	180.74	7540.00	0.00	0.00	0.00			2083873.9	11836896.5
7560.00	0.00	180.74	7560.00	0.00	0.00	0.00			2083873.9	11836896.5
7580.00	0.00	180.74	7580.00	0.00	0.00	0.00			2083873.9	11836896.5
7600.00	0.00	180.74	7600.00	0.00	0.00	0.00			2083873.9	11836896.5
7620.00	0.00	180.74	7620.00	0.00	0.00	0.00			2083873.9	11836896.5
7640.00	0.00	180.74	7640.00	0.00	0.00	0.00			2083873.9	11836896.5
7660.00	0.00	180.74	7660.00	0.00	0.00	0.00			2083873.9	11836896.5
7680.00	0.00	180.74	7680.00	0.00	0.00	0.00			2083873.9	11836896.5
7700.00	0.00	180.74	7700.00	0.00	0.00	0.00			2083873.9	11836896.5
7720.00	0.00	180.74	7720.00	0.00	0.00	0.00			2083873.9	11836896.5
7740.00	0.00	180.74	7740.00	0.00	0.00	0.00			2083873.9	11836896.5
7760.00	0.00	180.74	7760.00	0.00	0.00	0.00			2083873.9	11836896.5
7780.00	0.00	180.74	7780.00	0.00	0.00	0.00			2083873.9	11836896.5
7800.00	0.00	180.74	7800.00	0.00	0.00	0.00			2083873.9	11836896.5
7820.00	0.00	180.74	7820.00	0.00	0.00	0.00			2083873.9	11836896.5
7840.00	0.00	180.74	7840.00	0.00	0.00	0.00			2083873.9	11836896.5
7860.00	0.00	180.74	7860.00	0.00	0.00	0.00			2083873.9	11836896.5
7880.00	0.00	180.74	7880.00	0.00	0.00	0.00			2083873.9	11836896.5
7900.00	0.00	180.74	7900.00	0.00	0.00	0.00			2083873.9	11836896.5
7920.00	0.00	180.74	7920.00	0.00	0.00	0.00			2083873.9	11836896.5
7940.00	0.00	180.74	7940.00	0.00	0.00	0.00			2083873.9	11836896.5
7960.00	0.00	180.74	7960.00	0.00	0.00	0.00			2083873.9	11836896.5
7980.00	0.00	180.74	7980.00	0.00	0.00	0.00			2083873.9	11836896.5
8000.00	0.00	180.74	8000.00	0.00	0.00	0.00			2083873.9	11836896.5
8020.00	0.00	180.74	8020.00	0.00	0.00	0.00			2083873.9	11836896.5
8040.00	0.00	180.74	8040.00	0.00	0.00	0.00			2083873.9	11836896.5
8060.00	0.00	180.74	8060.00	0.00	0.00	0.00			2083873.9	11836896.5
8080.00	0.00	180.74	8080.00	0.00	0.00	0.00			2083873.9	11836896.5
8100.00	0.00	180.74	8100.00	0.00	0.00	0.00			2083873.9	11836896.5
8120.00	0.00	180.74	8120.00	0.00	0.00	0.00			2083873.9	11836896.5
8140.00	0.00	180.74	8140.00	0.00	0.00	0.00			2083873.9	11836896.5
8160.00	0.00	180.74	8160.00	0.00	0.00	0.00			2083873.9	11836896.5
8180.00	0.00	180.74	8180.00	0.00	0.00	0.00			2083873.9	11836896.5
8200.00	0.00	180.74	8200.00	0.00	0.00	0.00			2083873.9	11836896.5
8220.00	0.00	180.74	8220.00	0.00	0.00	0.00			2083873.9	11836896.5
8240.00	0.00	180.74	8240.00	0.00	0.00	0.00			2083873.9	11836896.5
8260.00	0.00	180.74	8260.00	0.00	0.00	0.00			2083873.9	11836896.5
8280.00	0.00	180.74	8280.00	0.00	0.00	0.00			2083873.9	11836896.5
8300.00	0.00	180.74	8300.00	0.00	0.00	0.00			2083873.9	11836896.5
8320.00	0.00	180.74	8320.00	0.00	0.00	0.00			2083873.9	11836896.5
8340.00	0.00	180.74	8340.00	0.00	0.00	0.00			2083873.9	11836896.5
8360.00	0.00	180.74	8360.00	0.00	0.00	0.00			2083873.9	11836896.5
8380.00	0.00	180.74	8380.00	0.00	0.00	0.00			2083873.9	11836896.5
8400.00	0.00	180.74	8400.00	0.00	0.00	0.00			2083873.9	11836896.5
8420.00	0.00	180.74	8420.00	0.00	0.00	0.00			2083873.9	11836896.5

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9680.00	0.00	180.74	9680.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9700.00	0.00	180.74	9700.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9720.00	0.00	180.74	9720.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9740.00	0.00	180.74	9740.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9760.00	0.00	180.74	9760.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9780.00	0.00	180.74	9780.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9800.00	0.00	180.74	9800.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9820.00	0.00	180.74	9820.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.000	954.930	477.4
9838.00	0.00	180.74	9838.00	0.00	0.00	0.00			2083873.9	11836896.5	0.00	0.00	0.013	0.000	0.000	0.000	0	18.000	18.000	0.000	0.000	18.000	0.000	0.105	100.000	954.930	477.4
9858.00	1.20	180.74	9858.00	0.21	-0.21	0.00			2083873.9	11836896.3	1.20	1.80	0.013	0.003	0.209	0.209	0.6	20.000	20.000	1.200	0.209	19.999	0.209	0.105	100.000	954.930	477.4
9878.00	2.40	180.74	9877.99	0.84	-0.84	0.01			2083873.9	11836895.6	1.20	1.80	0.013	0.008	0.628	0.628	1.8	20.000	20.000	2.400	0.628	19.990	0.628	0.105	100.000	954.930	477.4
9898.00	3.60	180.74	9897.96	1.88	-1.88	0.02			2083873.9	11836894.6	1.20	1.80	0.013	0.014	1.047	1.047	3	20.000	20.000	3.600	1.047	19.973	1.047	0.105	100.000	954.930	477.4
9918.00	4.80	180.74	9917.91	3.35	-3.35	0.04			2083873.9	11836893.1	1.20	1.80	0.013	0.019	1.465	1.465	4.2	20.000	20.000	4.800	1.465	19.946	1.465	0.105	100.000	954.930	477.4
9938.00	6.00	180.74	9937.82	5.23	-5.23	0.07			2083873.9	11836891.2	1.20	1.80	0.013	0.024	1.882	1.882	5.4	20.000	20.000	6.000	1.882	19.911	1.882	0.105	100.000	954.930	477.4
9958.00	7.20	180.74	9957.69	7.53	-7.53	0.10			2083874.0	11836888.9	1.20	1.80	0.013	0.030	2.299	2.299	6.6	20.000	20.000	7.200	2.299	19.867	2.299	0.105	100.000	954.930	477.4
9978.00	8.40	180.74	9977.50	10.24	-10.24	0.13			2083874.0	11836886.2	1.20	1.80	0.013	0.035	2.714	2.714	7.8	20.000	20.000	8.400	2.714	19.815	2.714	0.105	100.000	954.930	477.4
9998.00	9.60	180.74	9997.26	13.37	-13.37	0.17			2083874.0	11836883.1	1.20	1.80	0.013	0.040	3.128	3.129	9	20.000	20.000	9.600	3.129	19.754	3.129	0.105	100.000	954.930	477.4
10018.00	10.80	180.74	10016.94	16.91	-16.91	0.22			2083874.1	11836879.6	1.20	1.80	0.013	0.046	3.541	3.542	10.2	20.000	20.000	10.800	3.542	19.684	3.542	0.105	100.000	954.930	477.4
10038.00	12.00	180.74	10036.54	20.87	-20.87	0.27			2083874.1	11836875.6	1.20	1.80	0.013	0.051	3.953	3.953	11.4	20.000	20.000	12.000	3.953	19.605	3.953	0.105	100.000	954.930	477.4
10058.00	13.20	180.74	10056.06	25.23	-25.23	0.33			2083874.2	11836871.2	1.20	1.80	0.013	0.056	4.363	4.363	12.6	20.000	20.000	13.200	4.363	19.518	4.363	0.105	100.000	954.930	477.4
10078.00	14.40	180.74	10075.49	30.00	-30.00	0.39			2083874.3	11836866.5	1.20	1.80	0.013	0.062	4.770	4.771	13.8	20.000	20.000	14.400	4.771	19.423	4.771	0.105	100.000	954.930	477.4
10098.00	15.60	180.74	10094.80	35.18	-35.17	0.45			2083874.3	11836861.3	1.20	1.80	0.013	0.067	5.176	5.176	15	20.000	20.000	15.600	5.176	19.319	5.176	0.105	100.000	954.930	477.4
10118.00	16.80	180.74	10114.01	40.76	-40.75	0.53			2083874.4	11836855.7	1.20	1.80	0.013	0.072	5.579	5.580	16.2	20.000	20.000	16.800	5.580	19.206	5.580	0.105	100.000	954.930	477.4
10138.00	18.00	180.74	10133.09	46.74	-46.73	0.60			2083874.5	11836849.7	1.20	1.80	0.013	0.077	5.980	5.981	17.4	20.000	20.000	18.000	5.981	19.085	5.981	0.105	100.000	954.930	477.4
10158.00	19.20	180.74	10152.05	53.12	-53.11	0.69			2083874.6	11836843.4	1.20	1.80	0.013	0.082	6.379	6.379	18.6	20.000	20.000	19.200	6.379	18.955	6.379	0.105	100.000	954.930	477.4
10178.00	20.40	180.74	10170.87	59.89	-59.89	0.77			2083874.6	11836836.6	1.20	1.80	0.013	0.087	6.774	6.775	19.8	20.000	20.000	20.400	6.775	18.818	6.775	0.105	100.000	954.930	477.4
10198.00	21.60	180.74	10189.54	67.06	-67.05	0.87			2083874.7	11836829.4	1.20	1.80	0.013	0.093	7.167	7.167	21	20.000	20.000	21.600	7.167	18.672	7.167	0.105	100.000	954.930	477.4
10218.00	22.80	180.74	10208.06	74.62	-74.61	0.96			2083874.8	11836821.9	1.20	1.80	0.013	0.098	7.556	7.557	22.2	20.000	20.000	22.800	7.557	18.517	7.557	0.105	100.000	954.930	477.4
10238.00	24.00	180.74	10226.41	82.56	-82.55	1.07			2083874.9	11836813.9	1.20	1.80	0.013	0.103	7.942	7.943	23.4	20.000	20.000	24.000	7.943	18.355	7.943	0.105	100.000	954.930	477.4
10258.00	25.20	180.74	10244.60	90.89	-90.88	1.17			2083875.0	11836805.6	1.20	1.80	0.013	0.108	8.325	8.326	24.6	20.000	20.000	25.200	8.326	18.185	8.326	0.105	100.000	954.930	477.4
10278.00	26.40	180.74	10262.60	99.59	-99.58	1.29			2083875.2	11836796.9	1.20	1.80	0.013	0.112	8.704	8.705	25.8	20.000	20.000	26.400	8.705	18.006	8.705	0.105	100.000	954.930	477.4
10298.00	27.60	180.74	10280.42	108.67	-108.66	1.40			2083875.3	11836787.8	1.20	1.80	0.013	0.117	9.079	9.080	27	20.000	20.000	27.600	9.080	17.820	9.080	0.105	100.000	954.930	477.4
10318.00	28.80	180.74	10298.05	118.12	-118.11	1.53			2083875.4	11836778.4	1.20	1.80	0.013	0.122	9.450	9.451	28.2	20.000	20.000	28.800	9.451	17.626	9.451	0.105	100.000	954.930	477.4
10338.00	30.00	180.74	10315.47	127.94	-127.93	1.65			2083875.5	11836768.5	1.20	1.80	0.013	0.127	9.817	9.818	29.4	20.000	20.000	30.000	9.818	17.424	9.818	0.105	100.000	954.930	477.4
10358.00	31.20	180.74	10332.69	138.12	-138.11	1.78			2083875.7	11836758.4	1.20	1.80	0.013	0.131	10.180	10.181	30.6	20.000	20.000	31.200	10.181	17.215	10.181	0.105	100.000	954.930	477.4
10378.00	32.40	180.74	10349.69	148.66	-148.65	1.92			2083875.8	11836747.8	1.20	1.80	0.013	0.136	10.538	10.539	31.8	20.000	20.000	32.400	10.539	16.998	10.539	0.105	100.000	954.930	477.4
10398.00	33.60	180.74	10366.46	159.55	-159.54	2.06			2083875.9	11836736.9	1.20	1.80	0.013	0.141	10.892	10.893	33	20.000	20.000	33.600	10.893	16.773	10.893	0.105	100.000	954.930	477.4
10418.00	34.80	180.74	10383.00	170.79	-170.78	2.21			2083876.1	11836725.7	1.20	1.80	0.013	0.145	11.241	11.242	34.2	20.000	20.000	34.800	11.242	16.542	11.242	0.105	100.000	954.930	477.4
10438.00	36.00	180.74	10399.30	182.38	-182.36	2.36			2083876.2	11836714.1	1.20	1.80	0.013	0.150	11.585	11.586	35.4	20.000	20.000	36.000	11.586	16.303	11.586	0.105	100.000	954.930	477.4
10458.00	37.20	180.74	10415.36	194.30	-194.29	2.51			2083876.4	11836702.2	1.20	1.80	0.013	0.154	11.924	11.924	36.6	20.000	20.000	37.200	11.924	16.056	11.924	0.105	100.000	954.930	477.4
10478.00	38.40	180.74	10431.16	206.56	-206.54	2.67			2083876.5	11836689.9	1.20	1.80	0.013	0.158	12.257	12.258	37.8	20.000	20.000	38.400	12.258	15.803	12.258	0.105	100.000	954.930	477.4
10498.00	39.60	180.74	10446.71	219.15	-219.13	2.83			2083876.7	11836677.3	1.20	1.80	0.013	0.163	12.585	12.586	39	20.000	20.000	39.600	12.586	15.543	12.586	0.105	100.000	954.930	477.4
10518.00	40.80	180.74	10461.98	232.06	-232.04	3.00			2083876.9	11836664.4	1.20	1.80	0.013	0.167	12.908	12.909	40.2										

10918.00	64.80	180.74	10702.06	548.35	-548.30	7.08			2083881.0	11836348.2	1.20	1.80	0.013	0.233	18.005	18.006	64.2	20.000	20.000	64.800	18.006	8.705	18.006	0.105	100.000	954.930	477
10938.00	66.00	180.74	10710.39	566.54	-566.49	7.32			2083881.2	11836330.0	1.20	1.80	0.013	0.235	18.183	18.185	65.4	20.000	20.000	66.000	18.185	8.326	18.185	0.105	100.000	954.930	477
10958.00	67.20	180.74	10718.33	584.89	-584.84	7.55			2083881.4	11836311.6	1.20	1.80	0.013	0.237	18.354	18.355	66.6	20.000	20.000	67.200	18.355	7.943	18.355	0.105	100.000	954.930	477
10978.00	68.40	180.74	10725.89	603.41	-603.36	7.79			2083881.7	11836293.1	1.20	1.80	0.013	0.239	18.516	18.517	67.8	20.000	20.000	68.400	18.517	7.557	18.517	0.105	100.000	954.930	477
10998.00	69.60	180.74	10733.05	622.08	-622.03	8.03			2083881.9	11836274.4	1.20	1.80	0.013	0.241	18.670	18.672	69	20.000	20.000	69.600	18.672	7.167	18.672	0.105	100.000	954.930	477
11018.00	70.80	180.74	10739.83	640.90	-640.84	8.28			2083882.1	11836255.6	1.20	1.80	0.013	0.243	18.816	18.818	70.2	20.000	20.000	70.800	18.818	6.775	18.818	0.105	100.000	954.930	477
11038.00	72.00	180.74	10746.21	659.85	-659.80	8.52			2083882.4	11836236.7	1.20	1.80	0.013	0.245	18.954	18.955	71.4	20.000	20.000	72.000	18.955	6.379	18.955	0.105	100.000	954.930	477
11058.00	73.20	180.74	10752.19	678.94	-678.88	8.77			2083882.6	11836217.6	1.20	1.80	0.013	0.246	19.083	19.085	72.6	20.000	20.000	73.200	19.085	5.981	19.085	0.105	100.000	954.930	477
11078.00	74.40	180.74	10757.77	698.14	-698.08	9.02			2083882.9	11836198.4	1.20	1.80	0.013	0.248	19.204	19.206	73.8	20.000	20.000	74.400	19.206	5.580	19.206	0.105	100.000	954.930	477
11098.00	75.60	180.74	10762.95	717.46	-717.40	9.27			2083883.1	11836179.1	1.20	1.80	0.013	0.250	19.317	19.319	75	20.000	20.000	75.600	19.319	5.176	19.319	0.105	100.000	954.930	477
11118.00	76.80	180.74	10767.72	736.88	-736.82	9.52			2083883.4	11836159.6	1.20	1.80	0.013	0.251	19.421	19.423	76.2	20.000	20.000	76.800	19.423	4.771	19.423	0.105	100.000	954.930	477
11138.00	78.00	180.74	10772.08	756.40	-756.34	9.77			2083883.6	11836140.1	1.20	1.80	0.013	0.252	19.517	19.518	77.4	20.000	20.000	78.000	19.518	4.363	19.518	0.105	100.000	954.930	477
11158.00	79.20	180.74	10776.03	776.01	-775.94	10.02			2083883.9	11836120.5	1.20	1.80	0.013	0.253	19.604	19.605	78.6	20.000	20.000	79.200	19.605	3.953	19.605	0.105	100.000	954.930	477
11178.00	80.40	180.74	10779.57	795.69	-795.63	10.28			2083884.1	11836100.8	1.20	1.80	0.013	0.254	19.682	19.684	79.8	20.000	20.000	80.400	19.684	3.542	19.684	0.105	100.000	954.930	477
11198.00	81.60	180.74	10782.70	815.45	-815.38	10.53			2083884.4	11836081.1	1.20	1.80	0.013	0.255	19.752	19.754	81	20.000	20.000	81.600	19.754	3.129	19.754	0.105	100.000	954.930	477
11218.00	82.80	180.74	10785.42	835.26	-835.19	10.79			2083884.7	11836061.3	1.20	1.80	0.013	0.256	19.813	19.815	82.2	20.000	20.000	82.800	19.815	2.714	19.815	0.105	100.000	954.930	477
11238.00	84.00	180.74	10787.72	855.13	-855.06	11.04			2083884.9	11836041.4	1.20	1.80	0.013	0.257	19.866	19.867	83.4	20.000	20.000	84.000	19.867	2.299	19.867	0.105	100.000	954.930	477
11258.00	85.20	180.74	10789.60	875.04	-874.97	11.30			2083885.2	11836021.5	1.20	1.80	0.013	0.257	19.910	19.911	84.6	20.000	20.000	85.200	19.911	1.882	19.911	0.105	100.000	954.930	477
11278.00	86.40	180.74	10791.06	894.99	-894.91	11.56			2083885.4	11836001.6	1.20	1.80	0.013	0.258	19.945	19.946	85.8	20.000	20.000	86.400	19.946	1.465	19.946	0.105	100.000	954.930	477
11298.00	87.60	180.74	10792.11	914.96	-914.88	11.82			2083885.7	11835981.6	1.20	1.80	0.013	0.258	19.971	19.973	87	20.000	20.000	87.600	19.973	1.047	19.973	0.105	100.000	954.930	477
11318.00	88.80	180.74	10792.74	934.95	-934.87	12.07			2083885.9	11835961.6	1.20	1.80	0.013	0.258	19.988	19.990	88.2	20.000	20.000	88.800	19.990	0.628	19.990	0.105	100.000	954.930	477
11338.00	89.40	180.74	10793.05	954.95	-954.87	12.33			2083886.2	11835941.6	0.60	0.90	0.013	0.258	19.996	19.998	89.1	20.000	20.000	89.400	19.998	0.314	19.998	0.105	100.000	954.930	477
11358.00	89.40	180.74	10793.26	974.94	-974.86	12.59			2083886.5	11835921.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11378.00	89.40	180.74	10793.47	994.94	-994.86	12.85			2083886.7	11835901.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11398.00	89.40	180.74	10793.68	1014.94	-1014.86	13.11			2083887.0	11835881.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11418.00	89.40	180.74	10793.89	1034.94	-1034.86	13.37			2083887.2	11835861.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11438.00	89.40	180.74	10794.10	1054.94	-1054.85	13.62			2083887.5	11835841.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11458.00	89.40	180.74	10794.31	1074.94	-1074.85	13.88			2083887.8	11835821.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11478.00	89.40	180.74	10794.52	1094.94	-1094.85	14.14			2083888.0	11835801.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11498.00	89.40	180.74	10794.73	1114.94	-1114.84	14.40			2083888.3	11835781.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11518.00	89.40	180.74	10794.94	1134.94	-1134.84	14.66			2083888.5	11835761.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11538.00	89.40	180.74	10795.15	1154.93	-1154.84	14.92			2083888.8	11835741.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11558.00	89.40	180.74	10795.36	1174.93	-1174.84	15.17			2083889.0	11835721.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11578.00	89.40	180.74	10795.57	1194.93	-1194.83	15.43			2083889.3	11835701.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11598.00	89.40	180.74	10795.77	1214.93	-1214.83	15.69			2083889.6	11835681.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11618.00	89.40	180.74	10795.98	1234.93	-1234.83	15.95			2083889.8	11835661.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11638.00	89.40	180.74	10796.19	1254.93	-1254.82	16.21			2083890.1	11835641.6	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11658.00	89.40	180.74	10796.40	1274.93	-1274.82	16.47			2083890.3	11835621.7	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11678.00	89.40	180.74	10796.61	1294.93	-1294.82	16.72			2083890.6	11835601.7	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11698.00	89.40	180.74	10796.82	1314.93	-1314.82	16.98			2083890.9	11835581.7	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11718.00	89.40	180.74	10797.03	1334.92	-1334.81	17.24			2083891.1	11835561.7	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477
11738.00	89.40	180.74	10797.24	1354.92	-1354.81	17.50			2083891.4	11835541.7	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000								

13398.00	89.40	180.74	10814.62	3014.83	-3014.58	38.94			2083912.8	11833881.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13418.00	89.40	180.74	10814.83	3034.83	-3034.58	39.20			2083913.1	11833861.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13438.00	89.40	180.74	10815.04	3054.83	-3054.58	39.45			2083913.3	11833841.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13458.00	89.40	180.74	10815.25	3074.83	-3074.57	39.71			2083913.6	11833821.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13478.00	89.40	180.74	10815.46	3094.83	-3094.57	39.97			2083913.8	11833801.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13498.00	89.40	180.74	10815.67	3114.83	-3114.57	40.23			2083914.1	11833781.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13518.00	89.40	180.74	10815.88	3134.83	-3134.56	40.49			2083914.4	11833761.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13538.00	89.40	180.74	10816.09	3154.83	-3154.56	40.74			2083914.6	11833741.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13558.00	89.40	180.74	10816.30	3174.82	-3174.56	41.00			2083914.9	11833721.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13578.00	89.40	180.74	10816.51	3194.82	-3194.56	41.26			2083915.1	11833701.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13598.00	89.40	180.74	10816.72	3214.82	-3214.55	41.52			2083915.4	11833681.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13618.00	89.40	180.74	10816.93	3234.82	-3234.55	41.78			2083915.6	11833661.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13638.00	89.40	180.74	10817.14	3254.82	-3254.55	42.04			2083915.9	11833641.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13658.00	89.40	180.74	10817.35	3274.82	-3274.55	42.29			2083916.2	11833621.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13678.00	89.40	180.74	10817.56	3294.82	-3294.54	42.55			2083916.4	11833601.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13698.00	89.40	180.74	10817.77	3314.82	-3314.54	42.81			2083916.7	11833581.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13718.00	89.40	180.74	10817.97	3334.82	-3334.54	43.07			2083916.9	11833561.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13738.00	89.40	180.74	10818.18	3354.81	-3354.53	43.33			2083917.2	11833541.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13758.00	89.40	180.74	10818.39	3374.81	-3374.53	43.59			2083917.5	11833521.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13778.00	89.40	180.74	10818.60	3394.81	-3394.53	43.84			2083917.7	11833501.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13798.00	89.40	180.74	10818.81	3414.81	-3414.53	44.10			2083918.0	11833481.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13818.00	89.40	180.74	10819.02	3434.81	-3434.52	44.36			2083918.2	11833461.9	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13838.00	89.40	180.74	10819.23	3454.81	-3454.52	44.62			2083918.5	11833442.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13858.00	89.40	180.74	10819.44	3474.81	-3474.52	44.88			2083918.7	11833422.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13878.00	89.40	180.74	10819.65	3494.81	-3494.51	45.14			2083919.0	11833402.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13898.00	89.40	180.74	10819.86	3514.81	-3514.51	45.39			2083919.3	11833382.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13918.00	89.40	180.74	10820.07	3534.80	-3534.51	45.65			2083919.5	11833362.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13938.00	89.40	180.74	10820.28	3554.80	-3554.51	45.91			2083919.8	11833342.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13958.00	89.40	180.74	10820.49	3574.80	-3574.50	46.17			2083920.0	11833322.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13978.00	89.40	180.74	10820.70	3594.80	-3594.50	46.43			2083920.3	11833302.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
13998.00	89.40	180.74	10820.91	3614.80	-3614.50	46.69			2083920.6	11833282.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14018.00	89.40	180.74	10821.12	3634.80	-3634.50	46.94			2083920.8	11833262.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14038.00	89.40	180.74	10821.33	3654.80	-3654.49	47.20			2083921.1	11833242.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14058.00	89.40	180.74	10821.54	3674.80	-3674.49	47.46			2083921.3	11833222.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14078.00	89.40	180.74	10821.74	3694.80	-3694.49	47.72			2083921.6	11833202.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14098.00	89.40	180.74	10821.95	3714.79	-3714.48	47.98			2083921.8	11833182.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14118.00	89.40	180.74	10822.16	3734.79	-3734.48	48.24			2083922.1	11833162.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14138.00	89.40	180.74	10822.37	3754.79	-3754.48	48.49			2083922.4	11833142.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14158.00	89.40	180.74	10822.58	3774.79	-3774.48	48.75			2083922.6	11833122.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14178.00	89.40	180.74	10822.79	3794.79	-3794.47	49.01			2083922.9	11833102.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14198.00	89.40	180.74	10823.00	3814.79	-3814.47	49.27			2083923.1	11833082.0	0.00	0.00	0.013	0.258	19.997	19.999	89.4	20.000	20.000	89.400	19.999	0.209	19.999	0.105	100.000	954.930	477.41
14218.00	89.40	180.74	108																								

