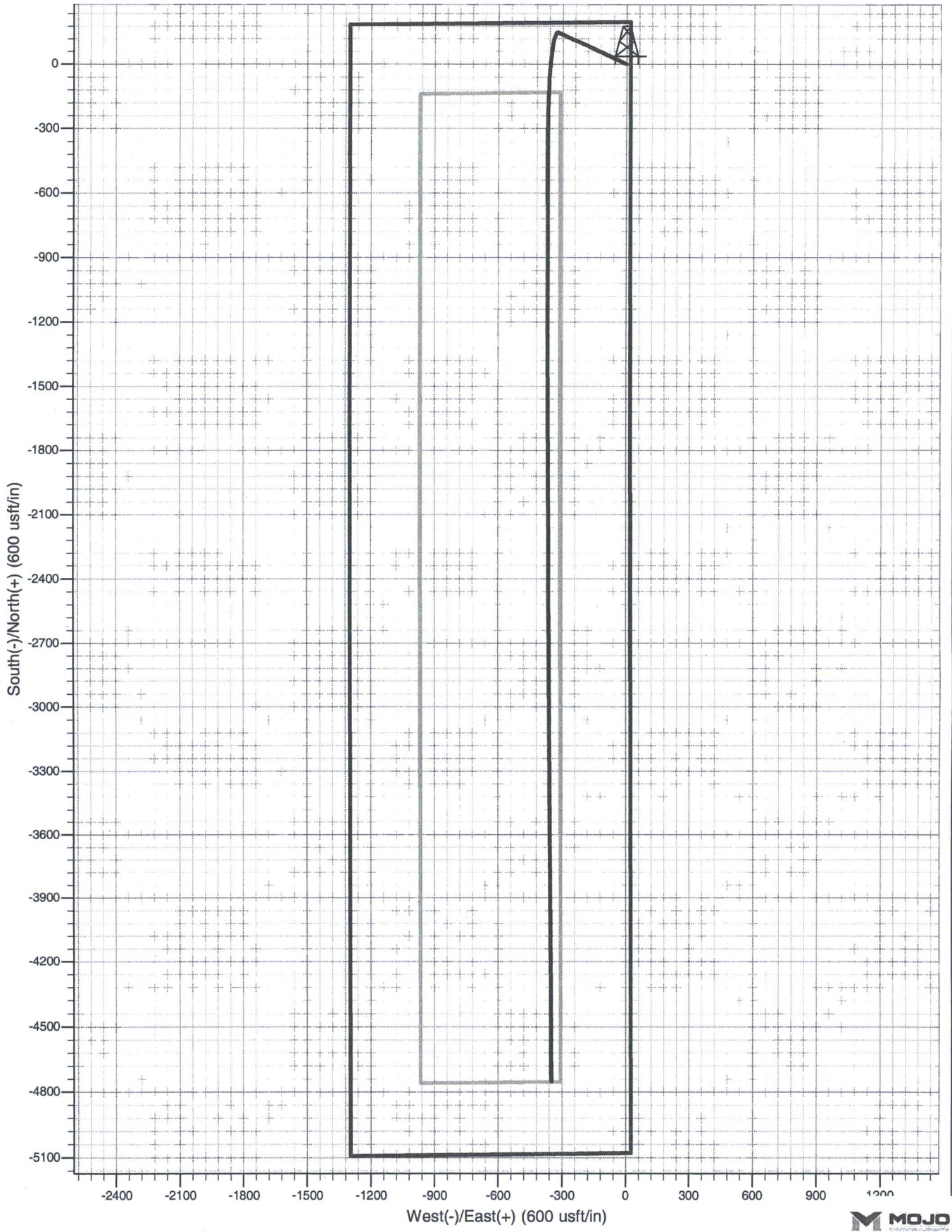


Project: North Lea Prospect T20S-R34E
 Site: Section 5
 Well: North Lea 5 Federal Com #3H
 Wellbore: North Lea 5 Federal Com #3H
 Design: North Lea 5 Federal Com 3H



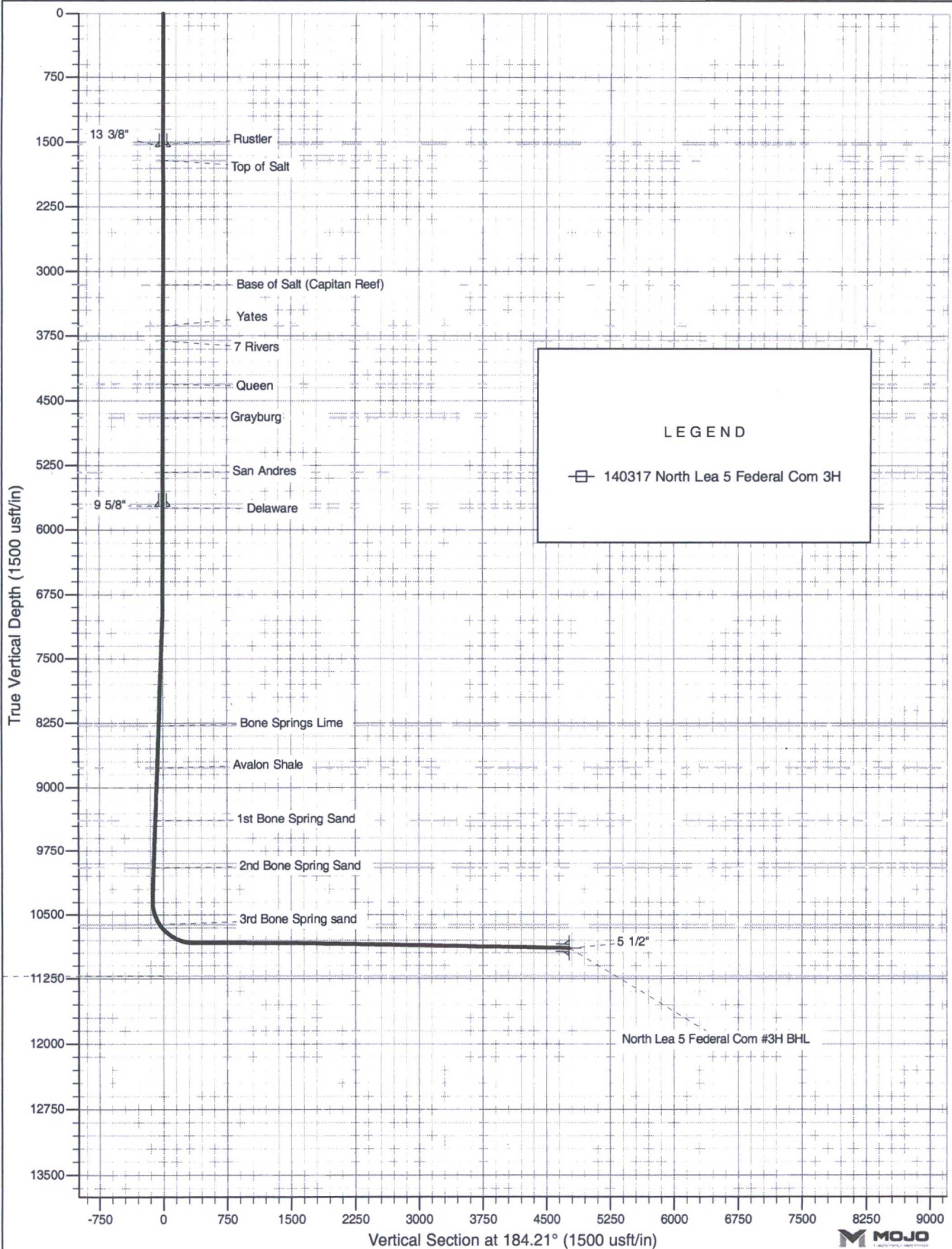
Azimuths to Grid North
 True North: -0.41°
 Magnetic North: 7.02°
 Magnetic Field
 Strength: 48690.7nT
 Dip Angle: 60.50°
 Date: 31/12/2012
 Model: IGRF2010



Project: North Lea Prospect
 Site: Section 5
 Well: North Lea 5 Federal Com #3H
 Wellbore: North Lea 5 Federal Com #3H
 Design: North Lea 5 Federal Com 3H



Azimuths to Grid North
 True North: -0.41°
 Magnetic North: 7.02°
 Magnetic Field
 Strength: 48690.7nT
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 Date: 31/12/2012
 Model: IGRF2010





Read and Stevens Inc.

North Lea Prospect T20S-R34E

Section 5

North Lea 5 Federal Com #3H

Plan: 140317 North Lea 5 Federal Com 3H

MOJO Standard Plan

17 March, 2014

HOBBS OCD

DEC 27 2016

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MOJO

DIRECTIONAL CORPORATION



MOJO Standard Plan



Company:	Read and Stevens Inc.	Local Co-ordinate Reference:	Well North Lea 5 Federal Com #3H
Project:	North Lea Prospect T20S-R34E	TVD Reference:	WELL @ 3662.0usft (Original Well Elev)
Site:	Section 5	MD Reference:	WELL @ 3662.0usft (Original Well Elev)
Well:	North Lea 5 Federal Com #3H	North Reference:	Grid
Wellbore:	North Lea 5 Federal Com #3H	Survey Calculation Method:	Minimum Curvature
Design:	140317 North Lea 5 Federal Com 3H	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 5		
Site Position:		Northing:	570,486.05 usft
From:	Lat/Long	Easting:	780,637.53 usft
Position Uncertainty:	1.0 usft	Slot Radius:	16 "
		Latitude:	32° 33' 57.317 N
		Longitude:	103° 33' 23.649 W
		Grid Convergence:	0.42 °

Well	North Lea 5 Federal Com #3H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty		1.0 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	North Lea 5 Federal Com #3H		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	31/12/2012	7.43
			Dip Angle
			(°)
			Field Strength
			(nT)
			60.50
			48,691

Design	140317 North Lea 5 Federal Com 3H		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			184.21

Survey Tool Program	Date 17/03/2014		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
0.0	15,546.2	140317 North Lea 5 Federal Com 3H (Nor	MWD
			MWD - Standard



MOJO Standard Plan



Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 5
 Well: North Lea 5 Federal Com #3H
 Wellbore: North Lea 5 Federal Com #3H
 Design: 140317 North Lea 5 Federal Com 3H

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

Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (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	-3,662.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
100.0	0.00	0.00	100.0	-3,562.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
200.0	0.00	0.00	200.0	-3,462.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
300.0	0.00	0.00	300.0	-3,362.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
400.0	0.00	0.00	400.0	-3,262.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
500.0	0.00	0.00	500.0	-3,162.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
600.0	0.00	0.00	600.0	-3,062.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
700.0	0.00	0.00	700.0	-2,962.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
800.0	0.00	0.00	800.0	-2,862.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
900.0	0.00	0.00	900.0	-2,762.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,000.0	0.00	0.00	1,000.0	-2,662.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,100.0	0.00	0.00	1,100.0	-2,562.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,200.0	0.00	0.00	1,200.0	-2,462.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,300.0	0.00	0.00	1,300.0	-2,362.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,400.0	0.00	0.00	1,400.0	-2,262.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,500.0	0.00	0.00	1,500.0	-2,162.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,525.0	0.00	0.00	1,525.0	-2,137.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Rustler										
1,550.0	0.00	0.00	1,550.0	-2,112.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
13 3/8"										
1,600.0	0.00	0.00	1,600.0	-2,062.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,700.0	0.00	0.00	1,700.0	-1,962.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,712.0	0.00	0.00	1,712.0	-1,950.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Top of Salt										
1,800.0	0.00	0.00	1,800.0	-1,862.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
1,900.0	0.00	0.00	1,900.0	-1,762.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,000.0	0.00	0.00	2,000.0	-1,662.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,100.0	0.00	0.00	2,100.0	-1,562.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70



MOJO Standard Plan



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 Wellbore: North Lea 5 Federal Com #3H
 Design: 140317 North Lea 5 Federal Com 3H

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 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (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)
2,200.0	0.00	0.00	2,200.0	-1,462.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,300.0	0.00	0.00	2,300.0	-1,362.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,400.0	0.00	0.00	2,400.0	-1,262.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,500.0	0.00	0.00	2,500.0	-1,162.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,600.0	0.00	0.00	2,600.0	-1,062.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,700.0	0.00	0.00	2,700.0	-962.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,800.0	0.00	0.00	2,800.0	-862.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
2,900.0	0.00	0.00	2,900.0	-762.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,000.0	0.00	0.00	3,000.0	-662.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,100.0	0.00	0.00	3,100.0	-562.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,155.0	0.00	0.00	3,155.0	-507.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Base of Salt (Capitan Reef)										
3,200.0	0.00	0.00	3,200.0	-462.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,300.0	0.00	0.00	3,300.0	-362.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,400.0	0.00	0.00	3,400.0	-262.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,500.0	0.00	0.00	3,500.0	-162.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,600.0	0.00	0.00	3,600.0	-62.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,635.0	0.00	0.00	3,635.0	-27.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Yates										
3,700.0	0.00	0.00	3,700.0	38.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,800.0	0.00	0.00	3,800.0	138.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
3,807.0	0.00	0.00	3,807.0	145.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
7 Rivers										
3,900.0	0.00	0.00	3,900.0	238.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,000.0	0.00	0.00	4,000.0	338.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,100.0	0.00	0.00	4,100.0	438.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,200.0	0.00	0.00	4,200.0	538.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,300.0	0.00	0.00	4,300.0	638.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70



MOJO Standard Plan



Company: Read and Stevens Inc.
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 Wellbore: North Lea 5 Federal Com #3H
 Design: 140317 North Lea 5 Federal Com 3H

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Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (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)
4,307.0	0.00	0.00	4,307.0	645.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Queen										
4,400.0	0.00	0.00	4,400.0	738.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,500.0	0.00	0.00	4,500.0	838.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,600.0	0.00	0.00	4,600.0	938.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,700.0	0.00	0.00	4,700.0	1,038.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,701.0	0.00	0.00	4,701.0	1,039.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Grayburg										
4,800.0	0.00	0.00	4,800.0	1,138.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
4,900.0	0.00	0.00	4,900.0	1,238.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,000.0	0.00	0.00	5,000.0	1,338.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,100.0	0.00	0.00	5,100.0	1,438.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,200.0	0.00	0.00	5,200.0	1,538.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,300.0	0.00	0.00	5,300.0	1,638.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,331.0	0.00	0.00	5,331.0	1,669.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
San Andres										
5,400.0	0.00	0.00	5,400.0	1,738.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,500.0	0.00	0.00	5,500.0	1,838.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,600.0	0.00	0.00	5,600.0	1,938.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,700.0	0.00	0.00	5,700.0	2,038.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,723.0	0.00	0.00	5,723.0	2,061.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
9 5/8"										
5,743.0	0.00	0.00	5,743.0	2,081.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
Delaware										
5,800.0	0.00	0.00	5,800.0	2,138.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
5,900.0	0.00	0.00	5,900.0	2,238.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,000.0	0.00	0.00	6,000.0	2,338.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,100.0	0.00	0.00	6,100.0	2,438.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70



MOJO Standard Plan



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Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (Original Well Elev)
 Grid
 Minimum Curvature
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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	2,538.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,300.0	0.00	0.00	6,300.0	2,638.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,400.0	0.00	0.00	6,400.0	2,738.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,500.0	0.00	0.00	6,500.0	2,838.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,600.0	0.00	0.00	6,600.0	2,938.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,700.0	0.00	0.00	6,700.0	3,038.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,800.0	0.00	0.00	6,800.0	3,138.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,850.0	0.00	0.00	6,850.0	3,188.0	0.0	0.0	0.0	0.00	586,058.08	772,590.70
6,900.0	1.50	295.00	6,900.0	3,238.0	0.3	-0.6	-0.2	3.00	586,058.36	772,590.11
7,000.0	4.50	295.00	6,999.8	3,337.8	2.5	-5.3	-2.1	3.00	586,060.57	772,585.36
7,050.0	6.00	295.00	7,049.6	3,387.6	4.4	-9.5	-3.7	3.00	586,062.51	772,581.22
7,100.0	6.00	295.00	7,099.4	3,437.4	6.6	-14.2	-5.6	0.00	586,064.71	772,576.48
7,200.0	6.00	295.00	7,198.8	3,536.8	11.0	-23.7	-9.3	0.00	586,069.13	772,567.01
7,300.0	6.00	295.00	7,298.3	3,636.3	15.5	-33.2	-13.0	0.00	586,073.55	772,557.53
7,400.0	6.00	295.00	7,397.7	3,735.7	19.9	-42.6	-16.7	0.00	586,077.97	772,548.06
7,500.0	6.00	295.00	7,497.2	3,835.2	24.3	-52.1	-20.4	0.00	586,082.38	772,538.59
7,600.0	6.00	295.00	7,596.6	3,934.6	28.7	-61.6	-24.1	0.00	586,086.80	772,529.11
7,700.0	6.00	295.00	7,696.1	4,034.1	33.1	-71.1	-27.8	0.00	586,091.22	772,519.64
7,800.0	6.00	295.00	7,795.5	4,133.5	37.6	-80.5	-31.5	0.00	586,095.64	772,510.17
7,900.0	6.00	295.00	7,895.0	4,233.0	42.0	-90.0	-35.3	0.00	586,100.05	772,500.69
8,000.0	6.00	295.00	7,994.4	4,332.4	46.4	-99.5	-39.0	0.00	586,104.47	772,491.22
8,100.0	6.00	295.00	8,093.9	4,431.9	50.8	-109.0	-42.7	0.00	586,108.89	772,481.75
8,200.0	6.00	295.00	8,193.3	4,531.3	55.2	-118.4	-46.4	0.00	586,113.31	772,472.28
8,287.1	6.00	295.00	8,280.0	4,618.0	59.1	-126.7	-49.6	0.00	586,117.16	772,464.02
Bone Springs Lime										
8,300.0	6.00	295.00	8,292.8	4,630.8	59.6	-127.9	-50.1	0.00	586,117.72	772,462.80
8,400.0	6.00	295.00	8,392.2	4,730.2	64.1	-137.4	-53.8	0.00	586,122.14	772,453.33



MOJO Standard Plan



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Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (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)
8,500.0	6.00	295.00	8,491.7	4,829.7	68.5	-146.8	-57.5	0.00	586,126.56	772,443.86
8,600.0	6.00	295.00	8,591.1	4,929.1	72.9	-156.3	-61.2	0.00	586,130.98	772,434.38
8,700.0	6.00	295.00	8,690.6	5,028.6	77.3	-165.8	-64.9	0.00	586,135.39	772,424.91
8,782.9	6.00	295.00	8,773.0	5,111.0	81.0	-173.6	-68.0	0.00	586,139.05	772,417.06
Avalon Shale										
8,800.0	6.00	295.00	8,790.0	5,128.0	81.7	-175.3	-68.6	0.00	586,139.81	772,415.44
8,900.0	6.00	295.00	8,889.5	5,227.5	86.1	-184.7	-72.4	0.00	586,144.23	772,405.96
9,000.0	6.00	295.00	8,989.0	5,327.0	90.6	-194.2	-76.1	0.00	586,148.65	772,396.49
9,100.0	6.00	295.00	9,088.4	5,426.4	95.0	-203.7	-79.8	0.00	586,153.06	772,387.02
9,200.0	6.00	295.00	9,187.9	5,525.9	99.4	-213.2	-83.5	0.00	586,157.48	772,377.54
9,300.0	6.00	295.00	9,287.3	5,625.3	103.8	-222.6	-87.2	0.00	586,161.90	772,368.07
9,397.2	6.00	295.00	9,384.0	5,722.0	108.1	-231.8	-90.8	0.00	586,166.19	772,358.86
1st Bone Spring Sand										
9,400.0	6.00	295.00	9,386.8	5,724.8	108.2	-232.1	-90.9	0.00	586,166.32	772,358.60
9,500.0	6.00	295.00	9,486.2	5,824.2	112.7	-241.6	-94.6	0.00	586,170.73	772,349.12
9,600.0	6.00	295.00	9,585.7	5,923.7	117.1	-251.1	-98.3	0.00	586,175.15	772,339.65
9,700.0	6.00	295.00	9,685.1	6,023.1	121.5	-260.5	-102.0	0.00	586,179.57	772,330.18
9,800.0	6.00	295.00	9,784.6	6,122.6	125.9	-270.0	-105.7	0.00	586,183.98	772,320.70
9,900.0	6.00	295.00	9,884.0	6,222.0	130.3	-279.5	-109.5	0.00	586,188.40	772,311.23
9,963.3	6.00	295.00	9,947.0	6,285.0	133.1	-285.5	-111.8	0.00	586,191.20	772,305.23
2nd Bone Spring Sand										
10,000.0	6.00	295.00	9,983.5	6,321.5	134.7	-289.0	-113.2	0.00	586,192.82	772,301.76
10,100.0	6.00	295.00	10,082.9	6,420.9	139.2	-298.4	-116.9	0.00	586,197.24	772,292.28
10,200.0	6.00	295.00	10,182.4	6,520.4	143.6	-307.9	-120.6	0.00	586,201.65	772,282.81
10,300.0	6.00	295.00	10,281.8	6,619.8	148.0	-317.4	-124.3	0.00	586,206.07	772,273.34
10,350.0	6.00	295.00	10,331.6	6,669.6	150.2	-322.1	-126.2	0.00	586,208.28	772,268.60
10,375.0	5.46	265.08	10,356.4	6,694.4	150.7	-324.5	-126.4	12.00	586,208.73	772,266.23



MOJO Standard Plan



Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 5
 Well: North Lea 5 Federal Com #3H
 Wellbore: North Lea 5 Federal Com #3H
 Design: 140317 North Lea 5 Federal Com 3H

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

Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (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)
10,400.0	6.45	237.42	10,381.3	6,719.3	149.8	-326.8	-125.4	12.00	586,207.87	772,263.86
10,425.0	8.45	219.91	10,406.1	6,744.1	147.6	-329.2	-123.1	12.00	586,205.71	772,261.50
10,450.0	10.91	209.62	10,430.7	6,768.7	144.2	-331.6	-119.4	12.00	586,202.24	772,259.15
10,475.0	13.59	203.21	10,455.2	6,793.2	139.4	-333.9	-114.5	12.00	586,197.49	772,256.83
10,500.0	16.38	198.92	10,479.3	6,817.3	133.4	-336.2	-108.3	12.00	586,191.45	772,254.53
10,525.0	19.23	195.85	10,503.1	6,841.1	126.1	-338.5	-100.9	12.00	586,184.16	772,252.26
10,550.0	22.12	193.56	10,526.5	6,864.5	117.5	-340.7	-92.2	12.00	586,175.62	772,250.03
10,575.0	25.03	191.77	10,549.4	6,887.4	107.8	-342.9	-82.3	12.00	586,165.87	772,247.85
10,600.0	27.96	190.34	10,571.8	6,909.8	96.8	-345.0	-71.3	12.00	586,154.92	772,245.72
10,625.0	30.90	189.16	10,593.6	6,931.6	84.7	-347.1	-59.0	12.00	586,142.82	772,243.64
10,644.4	33.19	188.37	10,610.0	6,948.0	74.6	-348.6	-48.8	12.00	586,132.65	772,242.08
3rd Bone Spring sand										
10,650.0	33.86	188.16	10,614.7	6,952.7	71.5	-349.1	-45.7	12.00	586,129.58	772,241.63
10,675.0	36.82	187.31	10,635.1	6,973.1	57.2	-351.0	-31.3	12.00	586,115.26	772,239.69
10,700.0	39.78	186.57	10,654.7	6,992.7	41.8	-352.9	-15.8	12.00	586,099.88	772,237.82
10,725.0	42.75	185.91	10,673.5	7,011.5	25.4	-354.7	0.7	12.00	586,083.49	772,236.03
10,750.0	45.72	185.33	10,691.4	7,029.4	8.1	-356.4	18.1	12.00	586,066.14	772,234.33
10,775.0	48.70	184.80	10,708.4	7,046.4	-10.2	-358.0	36.5	12.00	586,047.86	772,232.71
10,800.0	51.67	184.32	10,724.4	7,062.4	-29.4	-359.5	55.7	12.00	586,028.72	772,231.18
10,825.0	54.65	183.87	10,739.4	7,077.4	-49.3	-361.0	75.7	12.00	586,008.77	772,229.76
10,850.0	57.63	183.46	10,753.3	7,091.3	-70.0	-362.3	96.4	12.00	585,988.05	772,228.43
10,875.0	60.61	183.08	10,766.1	7,104.1	-91.5	-363.5	117.9	12.00	585,966.64	772,227.21
10,900.0	63.60	182.71	10,777.8	7,115.8	-113.5	-364.6	140.0	12.00	585,944.57	772,226.09
10,925.0	66.58	182.36	10,788.3	7,126.3	-136.2	-365.6	162.6	12.00	585,921.92	772,225.09
10,950.0	69.56	182.03	10,797.7	7,135.7	-159.3	-366.5	185.8	12.00	585,898.75	772,224.20
10,975.0	72.55	181.72	10,805.8	7,143.8	-183.0	-367.3	209.4	12.00	585,875.12	772,223.43
11,000.0	75.54	181.41	10,812.7	7,150.7	-207.0	-367.9	233.4	12.00	585,851.10	772,222.77



MOJO Standard Plan



Company: Read and Stevens Inc.
 Project: North Lea Prospect T20S-R34E
 Site: Section 5
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 Wellbore: North Lea 5 Federal Com #3H
 Design: 140317 North Lea 5 Federal Com 3H

Local Co-ordinate Reference:
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 Survey Calculation Method:
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Well North Lea 5 Federal Com #3H
 WELL @ 3662.0usft (Original Well Elev)
 WELL @ 3662.0usft (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)
11,025.0	78.52	181.11	10,818.3	7,156.3	-231.3	-368.5	257.8	12.00	585,826.75	772,222.24
11,050.0	81.51	180.82	10,822.6	7,160.6	-256.0	-368.9	282.3	12.00	585,802.13	772,221.83
11,075.0	84.49	180.53	10,825.7	7,163.7	-280.8	-369.2	307.1	12.00	585,777.32	772,221.54
11,100.0	87.48	180.24	10,827.4	7,165.4	-305.7	-369.3	332.0	12.00	585,752.39	772,221.37
11,121.1	90.00	180.00	10,827.9	7,165.9	-326.8	-369.4	353.0	12.00	585,731.30	772,221.33
11,200.0	89.96	179.99	10,827.9	7,165.9	-405.7	-369.4	431.7	0.06	585,652.40	772,221.33
11,300.0	89.90	179.97	10,828.0	7,166.0	-505.7	-369.3	531.4	0.06	585,552.40	772,221.37
11,400.0	89.85	179.95	10,828.2	7,166.2	-605.7	-369.3	631.2	0.06	585,452.40	772,221.44
11,500.0	89.79	179.94	10,828.6	7,166.6	-705.7	-369.2	730.9	0.06	585,352.41	772,221.54
11,600.0	89.74	179.92	10,829.0	7,167.0	-805.7	-369.0	830.6	0.06	585,252.41	772,221.66
11,700.0	89.68	179.90	10,829.5	7,167.5	-905.7	-368.9	930.3	0.06	585,152.42	772,221.82
11,800.0	89.63	179.89	10,830.1	7,168.1	-1,005.7	-368.7	1,030.0	0.06	585,052.42	772,222.00
11,900.0	89.57	179.87	10,830.8	7,168.8	-1,105.7	-368.5	1,129.8	0.06	584,952.43	772,222.22
12,000.0	89.52	179.85	10,831.5	7,169.5	-1,205.7	-368.3	1,229.5	0.06	584,852.43	772,222.46
12,100.0	89.47	179.84	10,832.4	7,170.4	-1,305.7	-368.0	1,329.2	0.06	584,752.44	772,222.73
12,200.0	89.41	179.82	10,833.4	7,171.4	-1,405.7	-367.7	1,428.9	0.06	584,652.45	772,223.03
12,300.0	89.36	179.80	10,834.5	7,172.5	-1,505.7	-367.3	1,528.6	0.06	584,552.46	772,223.36
12,400.0	89.30	179.79	10,835.7	7,173.7	-1,605.7	-367.0	1,628.3	0.06	584,452.47	772,223.72
12,500.0	89.25	179.77	10,836.9	7,174.9	-1,705.7	-366.6	1,728.0	0.06	584,352.48	772,224.11
12,600.0	89.19	179.75	10,838.3	7,176.3	-1,805.6	-366.2	1,827.6	0.06	584,252.49	772,224.53
12,700.0	89.14	179.73	10,839.7	7,177.7	-1,905.6	-365.7	1,927.3	0.06	584,152.51	772,224.98
12,800.0	89.08	179.72	10,841.3	7,179.3	-2,005.6	-365.3	2,027.0	0.06	584,052.52	772,225.46
12,900.0	89.03	179.70	10,842.9	7,180.9	-2,105.6	-364.7	2,126.7	0.06	583,952.54	772,225.97
13,000.0	88.97	179.68	10,844.7	7,182.7	-2,205.6	-364.2	2,226.4	0.06	583,852.56	772,226.50
13,071.7	88.93	179.67	10,846.0	7,184.0	-2,277.2	-363.8	2,297.8	0.06	583,780.91	772,226.90
13,100.0	88.93	179.67	10,846.5	7,184.5	-2,305.6	-363.6	2,326.0	0.00	583,752.58	772,227.07
13,200.0	88.93	179.67	10,848.4	7,186.4	-2,405.6	-363.1	2,425.7	0.00	583,652.60	772,227.64



MOJO Standard Plan



Company: Read and Stevens Inc.
Project: North Lea Prospect T20S-R34E
Site: Section 5
Well: North Lea 5 Federal Com #3H
Wellbore: North Lea 5 Federal Com #3H
Design: 140317 North Lea 5 Federal Com 3H

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

Well North Lea 5 Federal Com #3H
WELL @ 3662.0usft (Original Well Elev)
WELL @ 3662.0usft (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)
13,300.0	88.93	179.67	10,850.2	7,188.2	-2,505.5	-362.5	2,525.4	0.00	583,552.63	772,228.21
13,400.0	88.93	179.67	10,852.1	7,190.1	-2,605.5	-361.9	2,625.0	0.00	583,452.65	772,228.78
13,500.0	88.93	179.67	10,854.0	7,192.0	-2,705.5	-361.4	2,724.7	0.00	583,352.67	772,229.36
13,600.0	88.93	179.67	10,855.8	7,193.8	-2,805.5	-360.8	2,824.4	0.00	583,252.69	772,229.93
13,700.0	88.93	179.67	10,857.7	7,195.7	-2,905.5	-360.2	2,924.1	0.00	583,152.71	772,230.50
13,800.0	88.93	179.67	10,859.5	7,197.5	-3,005.4	-359.6	3,023.7	0.00	583,052.74	772,231.07
13,900.0	88.93	179.67	10,861.4	7,199.4	-3,105.4	-359.1	3,123.4	0.00	582,952.76	772,231.64
14,000.0	88.93	179.67	10,863.3	7,201.3	-3,205.4	-358.5	3,223.1	0.00	582,852.78	772,232.22
14,100.0	88.93	179.67	10,865.1	7,203.1	-3,305.4	-357.9	3,322.7	0.00	582,752.80	772,232.79
14,200.0	88.93	179.67	10,867.0	7,205.0	-3,405.4	-357.4	3,422.4	0.00	582,652.82	772,233.36
14,300.0	88.93	179.67	10,868.8	7,206.8	-3,505.3	-356.8	3,522.1	0.00	582,552.85	772,233.93
14,400.0	88.93	179.67	10,870.7	7,208.7	-3,605.3	-356.2	3,621.7	0.00	582,452.87	772,234.50
14,500.0	88.93	179.67	10,872.5	7,210.5	-3,705.3	-355.6	3,721.4	0.00	582,352.89	772,235.08
14,600.0	88.93	179.67	10,874.4	7,212.4	-3,805.3	-355.1	3,821.1	0.00	582,252.91	772,235.65
14,700.0	88.93	179.67	10,876.3	7,214.3	-3,905.3	-354.5	3,920.8	0.00	582,152.93	772,236.22
14,800.0	88.93	179.67	10,878.1	7,216.1	-4,005.2	-353.9	4,020.4	0.00	582,052.95	772,236.79
14,900.0	88.93	179.67	10,880.0	7,218.0	-4,105.2	-353.3	4,120.1	0.00	581,952.98	772,237.36
15,000.0	88.93	179.67	10,881.8	7,219.8	-4,205.2	-352.8	4,219.8	0.00	581,853.00	772,237.94
15,100.0	88.93	179.67	10,883.7	7,221.7	-4,305.2	-352.2	4,319.4	0.00	581,753.02	772,238.51
15,200.0	88.93	179.67	10,885.6	7,223.6	-4,405.2	-351.6	4,419.1	0.00	581,653.04	772,239.08
15,300.0	88.93	179.67	10,887.4	7,225.4	-4,505.2	-351.1	4,518.8	0.00	581,553.06	772,239.65
15,400.0	88.93	179.67	10,889.3	7,227.3	-4,605.1	-350.5	4,618.4	0.00	581,453.09	772,240.22
15,500.0	88.93	179.67	10,891.1	7,229.1	-4,705.1	-349.9	4,718.1	0.00	581,353.11	772,240.80
15,524.9	88.93	179.67	10,891.6	7,229.6	-4,730.0	-349.8	4,742.9	0.00	581,328.20	772,240.94
15,546.2	88.93	179.67	10,892.0	7,230.0	-4,751.3	-349.6	4,764.2	0.02	581,306.92	772,241.06

5 1/2"



MOJO Standard Plan



Company: Read and Stevens Inc.
Project: North Lea Prospect T20S-R34E
Site: Section 5
Well: North Lea 5 Federal Com #3H
Wellbore: North Lea 5 Federal Com #3H
Design: 140317 North Lea 5 Federal Com 3H

Local Co-ordinate Reference: Well North Lea 5 Federal Com #3H
TVD Reference: WELL @ 3662.0usft (Original Well Elev)
MD Reference: WELL @ 3662.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
15,546.2	10,892.0	5 1/2"	5-1/2	8-1/2
5,723.0	5,723.0	9 5/8"	9-5/8	12-1/4
1,550.0	1,550.0	13 3/8"	13-3/8	16

Formations

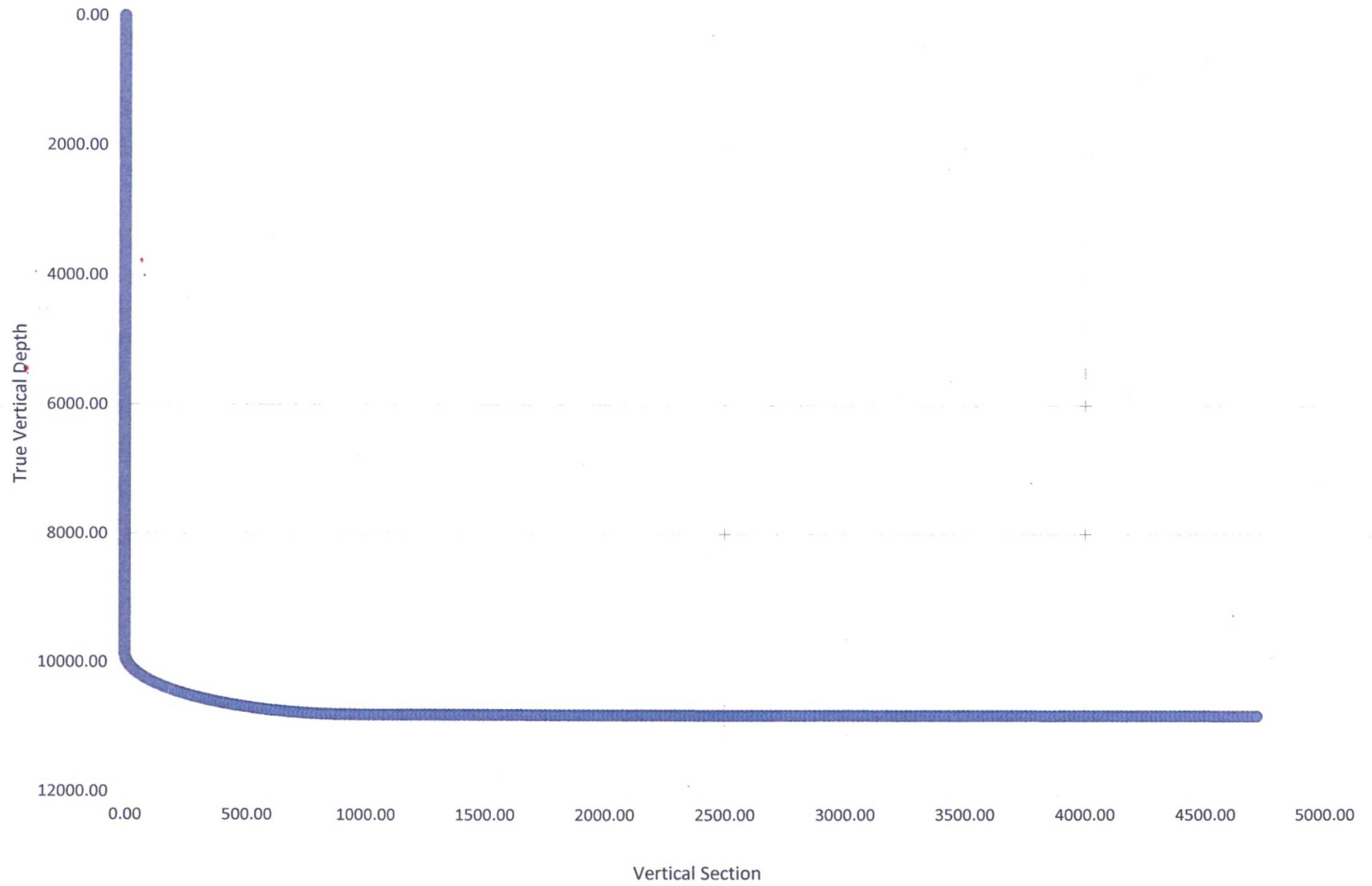
Measured Depth (usft)	Vertical Depth (usft)	Name	Dip (°)
1,525.0	1,525.0	Rustler	0.00
8,287.1	8,280.0	Bone Springs Lime	0.00
5,743.0	5,743.0	Delaware	0.00
10,644.4	10,610.0	3rd Bone Spring sand	0.00
4,307.0	4,307.0	Queen	0.00
4,701.0	4,701.0	Grayburg	0.00
1,712.0	1,712.0	Top of Salt	0.00
8,782.9	8,773.0	Avalon Shale	0.00
3,635.0	3,635.0	Yates	0.00
5,331.0	5,331.0	San Andres	0.00
3,155.0	3,155.0	Base of Salt (Capitan Reef)	0.00
3,807.0	3,807.0	7 Rivers	0.00
9,397.2	9,384.0	1st Bone Spring Sand	0.00
9,963.3	9,947.0	2nd Bone Spring Sand	0.00

Checked By: _____

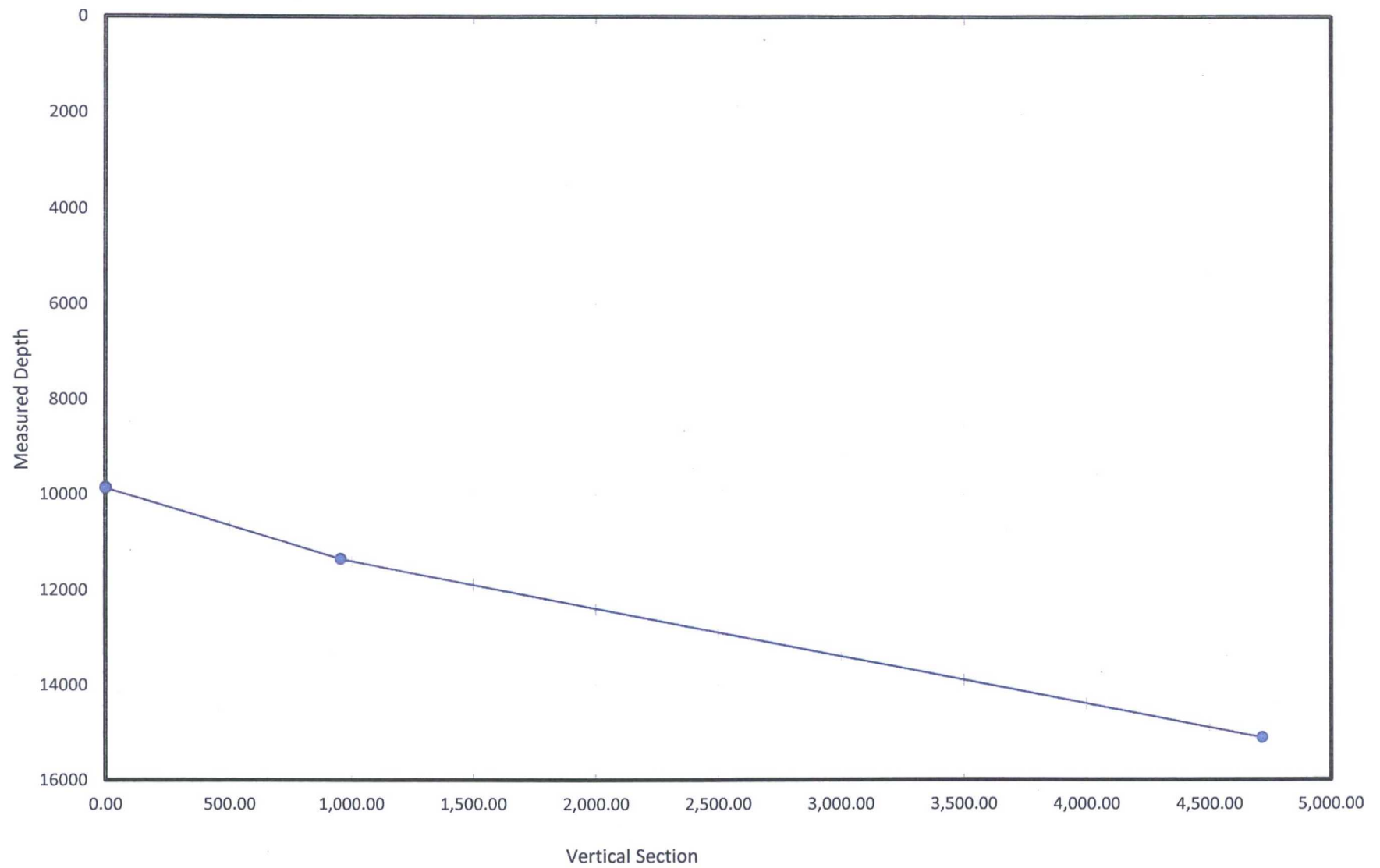
Approved By: _____

Date: _____

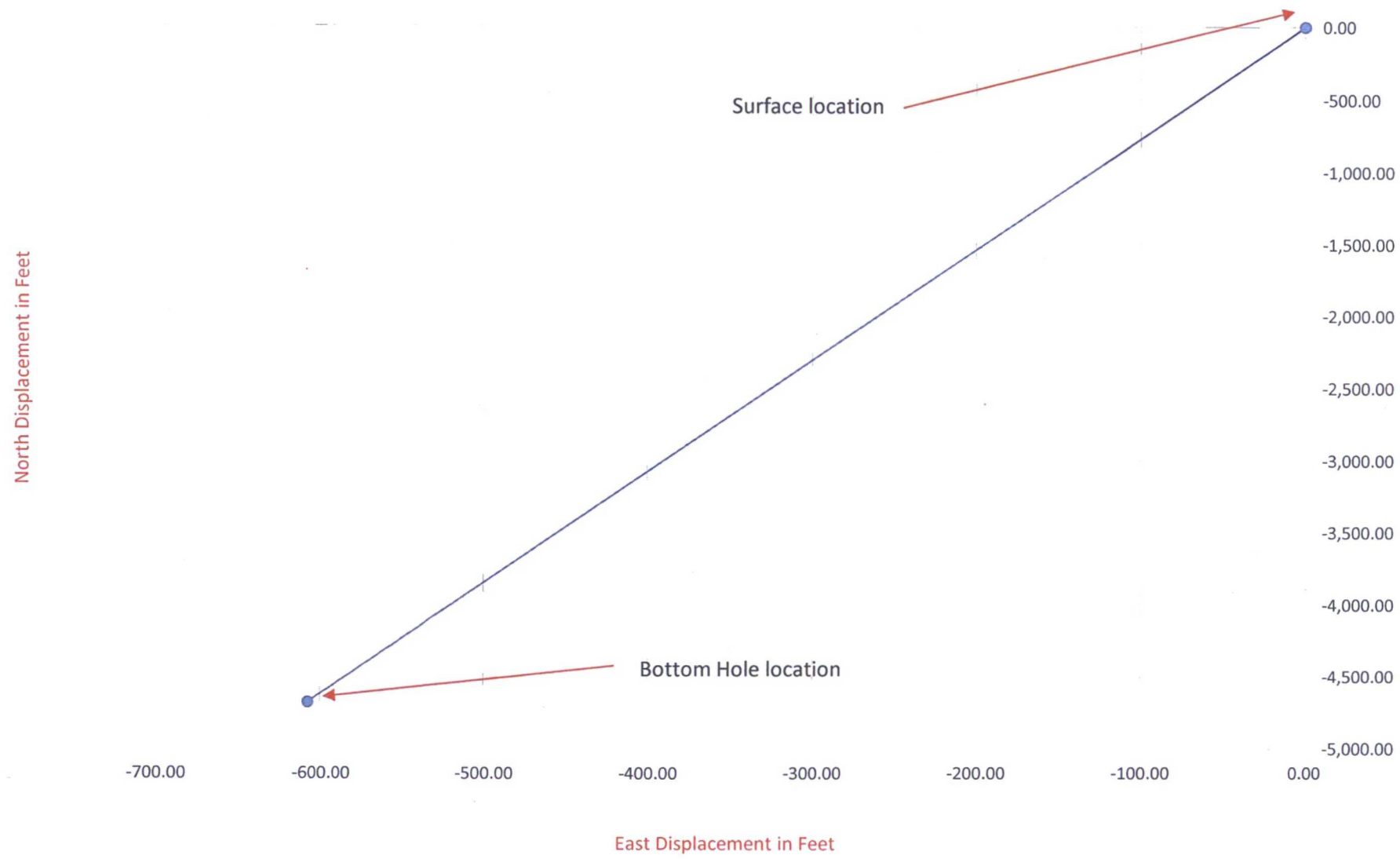
Lea 5 Fed 3H - Horizontal Well



Lea 5 Fed 3H
Vertical Section against Measured Depth
HORIZONTAL WELLBORE EXAMPLE



**Lea 5 Fed 3H
Plan View**



Lea Fed 5 3H 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		
9,846	0	0	9,846.00	0.00	0.00	0.00	0.00
9,866	1.2	172.6	9,860.00	-0.21	0.00	6.00	0.21
11,346	89.7	172.6	10,801.00	-946.99	-123.00	6.00	955.00
15,106	89.7	172.6	10,820.70	-4,675.60	-607.50	0.00	4,714.90

BR
16 November 2016

Lea 5 Fed 3H
Ground Level
Kelly Bushing
Subsea Wolfcamp top
TVD Wolfcamp top
Subsea 3rd Bone Spring top
TVD 3rd Bone Spring green intersection at 10833 (7" landin
TVD 3rd Bone Spring green horizontal TD at 10864
Build 6 Degree per 100 Feet

NW/NE 5-20S-34E

3636.9

-7235

10871.9 top

10801 btm

10821

x (East)	y (North)	x (East)	y (North)
Meters	Meters	Feet	Feet
633107.1	3608792.6	2076591.3	11836839.7
632922.3	3607367.1	2075985.1	11832164.1
-184.8	-1425.5	-606.1	-4675.6
		2076445.1	11835714.2

Ground Location

Bottom Hole

+N/-S and +E/-W			
s=a/h	W	N	VS
Sine	o	a	h
Sine	o		cinc
20		e/w=md	

TVD and Vertical Section		
s=a/h		
Sine	o	a

2.66666

MD	Inc	Az	TVD	VS	+N/-S	+E/-W	E/W	N/S
							x	y
0.00	0.00	172.60	0.00	0.00	0.00	0.00	636152.9	3607179.11
20.00	0.00	172.60	20.00	0.00	0.00	0.00		
40.00	0.00	172.60	40.00	0.00	0.00	0.00		
60.00	0.00	172.60	60.00	0.00	0.00	0.00		
80.00	0.00	172.60	80.00	0.00	0.00	0.00		
100.00	0.00	172.60	100.00	0.00	0.00	0.00		
120.00	0.00	172.60	120.00	0.00	0.00	0.00		
140.00	0.00	172.60	140.00	0.00	0.00	0.00		
160.00	0.00	172.60	160.00	0.00	0.00	0.00		
180.00	0.00	172.60	180.00	0.00	0.00	0.00		
200.00	0.00	172.60	200.00	0.00	0.00	0.00		
220.00	0.00	172.60	220.00	0.00	0.00	0.00		
240.00	0.00	172.60	240.00	0.00	0.00	0.00		
260.00	0.00	172.60	260.00	0.00	0.00	0.00		
280.00	0.00	172.60	280.00	0.00	0.00	0.00		
300.00	0.00	172.60	300.00	0.00	0.00	0.00		
320.00	0.00	172.60	320.00	0.00	0.00	0.00		
340.00	0.00	172.60	340.00	0.00	0.00	0.00		
360.00	0.00	172.60	360.00	0.00	0.00	0.00		
380.00	0.00	172.60	380.00	0.00	0.00	0.00		
400.00	0.00	172.60	400.00	0.00	0.00	0.00		
420.00	0.00	172.60	420.00	0.00	0.00	0.00		
440.00	0.00	172.60	440.00	0.00	0.00	0.00		
460.00	0.00	172.60	460.00	0.00	0.00	0.00		
480.00	0.00	172.60	480.00	0.00	0.00	0.00		
500.00	0.00	172.60	500.00	0.00	0.00	0.00		
520.00	0.00	172.60	520.00	0.00	0.00	0.00		
540.00	0.00	172.60	540.00	0.00	0.00	0.00		
560.00	0.00	172.60	560.00	0.00	0.00	0.00		
580.00	0.00	172.60	580.00	0.00	0.00	0.00		
600.00	0.00	172.60	600.00	0.00	0.00	0.00		
620.00	0.00	172.60	620.00	0.00	0.00	0.00		
640.00	0.00	172.60	640.00	0.00	0.00	0.00		
660.00	0.00	172.60	660.00	0.00	0.00	0.00		
680.00	0.00	172.60	680.00	0.00	0.00	0.00		
700.00	0.00	172.60	700.00	0.00	0.00	0.00		
720.00	0.00	172.60	720.00	0.00	0.00	0.00		
740.00	0.00	172.60	740.00	0.00	0.00	0.00		
760.00	0.00	172.60	760.00	0.00	0.00	0.00		
780.00	0.00	172.60	780.00	0.00	0.00	0.00		
800.00	0.00	172.60	800.00	0.00	0.00	0.00		
820.00	0.00	172.60	820.00	0.00	0.00	0.00		
840.00	0.00	172.60	840.00	0.00	0.00	0.00		
860.00	0.00	172.60	860.00	0.00	0.00	0.00		
880.00	0.00	172.60	880.00	0.00	0.00	0.00		
900.00	0.00	172.60	900.00	0.00	0.00	0.00		
920.00	0.00	172.60	920.00	0.00	0.00	0.00		
940.00	0.00	172.60	940.00	0.00	0.00	0.00		
960.00	0.00	172.60	960.00	0.00	0.00	0.00		

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9660.00	0.00	172.60	9660.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9680.00	0.00	172.60	9680.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9700.00	0.00	172.60	9700.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9720.00	0.00	172.60	9720.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9740.00	0.00	172.60	9740.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9760.00	0.00	172.60	9760.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9780.00	0.00	172.60	9780.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9800.00	0.00	172.60	9800.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9820.00	0.00	172.60	9820.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	20.000	20.000	0.000	0.000	20.000	0.000	0.105	100.0
9846.00	0.00	172.60	9846.00	0.00	0.00	0.00			2076591.3	11836839.7	0.00	0.00	-0.129	0.000	0.000	0.000	0	26.000	26.000	0.000	0.000	26.000	0.000	0.105	100.0
9866.00	1.20	172.60	9866.00	0.21	-0.21	-0.03			2076591.3	11836839.5	1.20	1.80	-0.129	-0.027	0.208	0.209	0.6	20.000	20.000	1.200	0.209	19.999	0.209	0.105	100.0
9886.00	2.40	172.60	9885.99	0.84	-0.83	-0.11			2076591.2	11836838.9	1.20	1.80	-0.129	-0.081	0.623	0.628	1.8	20.000	20.000	2.400	0.628	19.990	0.628	0.105	100.0
9906.00	3.60	172.60	9905.96	1.88	-1.87	-0.24			2076591.0	11836837.9	1.20	1.80	-0.129	-0.135	1.038	1.047	3	20.000	20.000	3.600	1.047	19.973	1.047	0.105	100.0
9926.00	4.80	172.60	9925.91	3.35	-3.32	-0.43			2076590.9	11836836.4	1.20	1.80	-0.129	-0.189	1.453	1.465	4.2	20.000	20.000	4.800	1.465	19.946	1.465	0.105	100.0
9946.00	6.00	172.60	9945.82	5.23	-5.19	-0.67			2076590.6	11836834.5	1.20	1.80	-0.129	-0.242	1.866	1.882	5.4	20.000	20.000	6.000	1.882	19.911	1.882	0.105	100.0
9966.00	7.20	172.60	9965.69	7.53	-7.47	-0.97			2076590.3	11836832.3	1.20	1.80	-0.129	-0.296	2.280	2.299	6.6	20.000	20.000	7.200	2.299	19.867	2.299	0.105	100.0
9986.00	8.40	172.60	9985.50	10.24	-10.16	-1.32			2076590.0	11836829.6	1.20	1.80	-0.129	-0.350	2.692	2.714	7.8	20.000	20.000	8.400	2.714	19.815	2.714	0.105	100.0
10006.00	9.60	172.60	10005.26	13.37	-13.26	-1.72			2076589.6	11836826.5	1.20	1.80	-0.129	-0.403	3.103	3.129	9	20.000	20.000	9.600	3.129	19.754	3.129	0.105	100.0
10026.00	10.80	172.60	10024.94	16.91	-16.77	-2.18			2076589.1	11836823.0	1.20	1.80	-0.129	-0.456	3.512	3.542	10.2	20.000	20.000	10.800	3.542	19.684	3.542	0.105	100.0
10046.00	12.00	172.60	10044.54	20.87	-20.69	-2.69			2076588.6	11836819.0	1.20	1.80	-0.129	-0.509	3.920	3.953	11.4	20.000	20.000	12.000	3.953	19.605	3.953	0.105	100.0
10066.00	13.20	172.60	10064.06	25.23	-25.02	-3.25			2076588.0	11836814.7	1.20	1.80	-0.129	-0.562	4.327	4.363	12.6	20.000	20.000	13.200	4.363	19.518	4.363	0.105	100.0
10086.00	14.40	172.60	10083.49	30.00	-29.75	-3.86			2076587.4	11836810.0	1.20	1.80	-0.129	-0.614	4.731	4.771	13.8	20.000	20.000	14.400	4.771	19.423	4.771	0.105	100.0
10106.00	15.60	172.60	10102.80	35.18	-34.88	-4.53			2076586.8	11836804.8	1.20	1.80	-0.129	-0.667	5.133	5.176	15	20.000	20.000	15.600	5.176	19.319	5.176	0.105	100.0
10126.00	16.80	172.60	10122.01	40.76	-40.42	-5.25			2076586.0	11836799.3	1.20	1.80	-0.129	-0.719	5.533	5.580	16.2	20.000	20.000	16.800	5.580	19.206	5.580	0.105	100.0
10146.00	18.00	172.60	10141.09	46.74	-46.35	-6.02			2076585.3	11836793.4	1.20	1.80	-0.129	-0.770	5.931	5.981	17.4	20.000	20.000	18.000	5.981	19.085	5.981	0.105	100.0
10166.00	19.20	172.60	10160.05	53.12	-52.68	-6.84			2076584.4	11836787.1	1.20	1.80	-0.129	-0.822	6.326	6.379	18.6	20.000	20.000	19.200	6.379	18.955	6.379	0.105	100.0
10186.00	20.40	172.60	10178.87	59.89	-59.39	-7.71			2076583.6	11836780.3	1.20	1.80	-0.129	-0.873	6.718	6.775	19.8	20.000	20.000	20.400	6.775	18.818	6.775	0.105	100.0
10206.00	21.60	172.60	10197.54	67.06	-66.50	-8.64			2076582.7	11836773.2	1.20	1.80	-0.129	-0.923	7.108	7.167	21	20.000	20.000	21.600	7.167	18.672	7.167	0.105	100.0
10226.00	22.80	172.60	10216.06	74.62	-74.00	-9.61			2076581.7	11836765.7	1.20	1.80	-0.129	-0.973	7.494	7.557	22.2	20.000	20.000	22.800	7.557	18.517	7.557	0.105	100.0
10246.00	24.00	172.60	10234.41	82.56	-81.87	-10.63			2076580.7	11836757.9	1.20	1.80	-0.129	-1.023	7.877	7.943	23.4	20.000	20.000	24.000	7.943	18.355	7.943	0.105	100.0
10266.00	25.20	172.60	10252.60	90.89	-90.13	-11.71			2076579.6	11836749.6	1.20	1.80	-0.129	-1.072	8.256	8.326	24.6	20.000	20.000	25.200	8.326	18.185	8.326	0.105	100.0
10286.00	26.40	172.60	10270.60	99.59	-98.76	-12.83			2076578.5	11836741.0	1.20	1.80	-0.129	-1.121	8.632	8.705	25.8	20.000	20.000	26.400	8.705	18.006	8.705	0.105	100.0
10306.00	27.60	172.60	10288.42	108.67	-107.76	-14.00			2076577.3	11836732.0	1.20	1.80	-0.129	-1.169	9.004	9.080	27	20.000	20.000	27.600	9.080	17.820	9.080	0.105	100.0
10326.00	28.80	172.60	10306.05	118.12	-117.14	-15.21			2076576.1	11836722.6	1.20	1.80	-0.129	-1.217	9.372	9.451	28.2	20.000	20.000	28.800	9.451	17.626	9.451	0.105	100.0
10346.00	30.00	172.60	10323.47	127.94	-126.87	-16.48			2076574.8	11836712.9	1.20	1.80	-0.129	-1.265	9.736	9.818	29.4	20.000	20.000	30.000	9.818	17.424	9.818	0.105	100.0
10366.00	31.20	172.60	10340.69	138.12	-136.97	-17.79			2076573.5	11836702.8	1.20	1.80	-0.129	-1.311	10.096	10.181	30.6	20.000	20.000	31.200	10.181	17.215	10.181	0.105	100.0
10386.00	32.40	172.60	10357.69	148.66	-147.42	-19.15			2076572.1	11836692.3	1.20	1.80	-0.129	-1.357	10.451	10.539	31.8	20.000	20.000	32.400	10.539	16.998	10.539	0.105	100.0
10406.00	33.60	172.60	10374.46	159.55	-158.22	-20.55			2076570.7	11836681.5	1.20	1.80	-0.129	-1.403	10.802	10.893	33	20.000	20.000	33.600	10.893	16.773	10.893	0.105	100.0
10426.00	34.80	172.60	10391.00	170.79	-169.37	-22.00			2076569.3	11836670.4	1.20	1.80	-0.129	-1.448	11.148	11.242	34.2	20.000	20.000	34.800	11.242	16.542	11.242	0.105	100.0
10446.00	36.00	172.60	10407.30	182.38	-180.86	-23.49			2076567.8	11836658.9	1.20	1.80	-0.129	-1.492	11.489	11.586	35.4	20.000	20.000	36.000	11.586	16.303	11.586	0.105	100.0
10466.00	37.20	172.60	10423.36	194.30	-192.68	-25.03			2076566.3	11836647.0	1.20	1.80	-0.129	-1.536	11.825	11.924	36.6	20.000	20.000	37.200	11.924	16.056	11.924	0.105	100.0
10486.00	38.40	172.60	10439.16	206.56	-204.84	-26.60			2076564.7	11836634.9	1.20	1.80	-0.129	-1.579	12.156	12.258	37.8	20.000	20.000	38.400	12.258	15.803	12.258	0.105	100.0
10506.00	39.60	172.60	10454.71	219.15	-217.32	-28.23			2076563.1	11836622.4	1.20	1.80	-0.129	-1.621	12.482	12.586	39	20.000	20.000	39.600	12.586	15.543	12.586	0.105	100.0
10526.00	40.80	172.60	10469.98	232.06	-230.12	-29.89			2076561.4	11836609.6	1.20	1.80	-0.129	-1.663	12.802	12.909	40.2	20.000	20.000	40.800	12.909	15.276	12.909	0.105	100.0
10546.00	42.00	172.60	10484.98	245.28	-243.24	-31.59			2076559.7	11836596.5	1.20	1.80	-0.129	-1.703	13.116	13.226	41.4	20.000	20.000	42.000	13.226	15.002	13.226	0.105	100.0
10566.00	43.20	172.60	10499.71	258.82	-256.66	-33.33			2076558.0	11836583.1	1.20	1.80	-0.129	-1.744	13.425	13.538	42.6	20.000	20.000	43.200	13.538	14.722	13.538	0.105	100.0
10586.00	44.40	172.60	10514.14</																						

10906.00	63.60	172.60	10701.36	530.34	-525.93	-68.31				2076523.0	11836313.8	1.20	1.80	-0.129	-2.295	17.672	17.820	63	20.000	20.000	63.600	17.820	9.080	17.820	0.105	100.0
10926.00	64.80	172.60	10710.06	548.35	-543.78	-70.63				2076520.7	11836295.9	1.20	1.80	-0.129	-2.319	17.856	18.006	64.2	20.000	20.000	64.800	18.006	8.705	18.006	0.105	100.0
10946.00	66.00	172.60	10718.39	566.54	-561.82	-72.97				2076518.3	11836277.9	1.20	1.80	-0.129	-2.342	18.033	18.185	65.4	20.000	20.000	66.000	18.185	8.326	18.185	0.105	100.0
10966.00	67.20	172.60	10726.33	584.89	-580.02	-75.33				2076516.0	11836259.7	1.20	1.80	-0.129	-2.364	18.202	18.355	66.6	20.000	20.000	67.200	18.355	7.943	18.355	0.105	100.0
10986.00	68.40	172.60	10733.89	603.41	-598.38	-77.72				2076513.6	11836241.3	1.20	1.80	-0.129	-2.385	18.363	18.517	67.8	20.000	20.000	68.400	18.517	7.557	18.517	0.105	100.0
11006.00	69.60	172.60	10741.05	622.08	-616.90	-80.12				2076511.2	11836222.8	1.20	1.80	-0.129	-2.405	18.516	18.672	69	20.000	20.000	69.600	18.672	7.167	18.672	0.105	100.0
11026.00	70.80	172.60	10747.83	640.90	-635.56	-82.54				2076508.7	11836204.2	1.20	1.80	-0.129	-2.424	18.661	18.818	70.2	20.000	20.000	70.800	18.818	6.775	18.818	0.105	100.0
11046.00	72.00	172.60	10754.21	659.85	-654.36	-84.99				2076506.3	11836185.4	1.20	1.80	-0.129	-2.441	18.797	18.955	71.4	20.000	20.000	72.000	18.955	6.379	18.955	0.105	100.0
11066.00	73.20	172.60	10760.19	678.94	-673.28	-87.44				2076503.8	11836166.4	1.20	1.80	-0.129	-2.458	18.926	19.085	72.6	20.000	20.000	73.200	19.085	5.981	19.085	0.105	100.0
11086.00	74.40	172.60	10765.77	698.14	-692.33	-89.92				2076501.4	11836147.4	1.20	1.80	-0.129	-2.474	19.046	19.206	73.8	20.000	20.000	74.400	19.206	5.580	19.206	0.105	100.0
11106.00	75.60	172.60	10770.95	717.46	-711.49	-92.41				2076498.9	11836128.2	1.20	1.80	-0.129	-2.488	19.158	19.319	75	20.000	20.000	75.600	19.319	5.176	19.319	0.105	100.0
11126.00	76.80	172.60	10775.72	736.88	-730.75	-94.91				2076496.4	11836109.0	1.20	1.80	-0.129	-2.502	19.261	19.423	76.2	20.000	20.000	76.800	19.423	4.771	19.423	0.105	100.0
11146.00	78.00	172.60	10780.08	756.40	-750.10	-97.42				2076493.9	11836089.6	1.20	1.80	-0.129	-2.514	19.356	19.518	77.4	20.000	20.000	78.000	19.518	4.363	19.518	0.105	100.0
11166.00	79.20	172.60	10784.03	776.01	-769.54	-99.95				2076491.3	11836070.2	1.20	1.80	-0.129	-2.525	19.452	19.605	78.6	20.000	20.000	79.200	19.605	3.953	19.605	0.105	100.0
11186.00	80.40	172.60	10787.57	795.69	-789.06	-102.48				2076488.8	11836050.7	1.20	1.80	-0.129	-2.535	19.520	19.684	79.8	20.000	20.000	80.400	19.684	3.542	19.684	0.105	100.0
11206.00	81.60	172.60	10790.70	815.45	-808.65	-105.03				2076486.3	11836031.1	1.20	1.80	-0.129	-2.544	19.589	19.754	81	20.000	20.000	81.600	19.754	3.129	19.754	0.105	100.0
11226.00	82.80	172.60	10793.42	835.26	-828.30	-107.58				2076483.7	11836011.4	1.20	1.80	-0.129	-2.552	19.650	19.815	82.2	20.000	20.000	82.800	19.815	2.714	19.815	0.105	100.0
11246.00	84.00	172.60	10795.72	855.13	-848.01	-110.14				2076481.2	11835991.7	1.20	1.80	-0.129	-2.559	19.702	19.867	83.4	20.000	20.000	84.000	19.867	2.299	19.867	0.105	100.0
11266.00	85.20	172.60	10797.60	875.04	-867.75	-112.70				2076478.6	11835972.0	1.20	1.80	-0.129	-2.564	19.745	19.911	84.6	20.000	20.000	85.200	19.911	1.882	19.911	0.105	100.0
11286.00	86.40	172.60	10799.06	894.99	-887.53	-115.27				2076476.0	11835952.2	1.20	1.80	-0.129	-2.569	19.780	19.946	85.8	20.000	20.000	86.400	19.946	1.465	19.946	0.105	100.0
11306.00	87.60	172.60	10800.11	914.96	-907.34	-117.84				2076473.4	11835932.4	1.20	1.80	-0.129	-2.572	19.806	19.973	87	20.000	20.000	87.600	19.973	1.047	19.973	0.105	100.0
11326.00	88.80	172.60	10800.74	934.95	-927.16	-120.42				2076470.9	11835912.6	1.20	1.80	-0.129	-2.575	19.824	19.990	88.2	20.000	20.000	88.800	19.990	0.628	19.990	0.105	100.0
11346.00	89.70	172.60	10801.00	954.95	-946.99	-122.99				2076468.3	11835892.7	0.90	1.35	-0.129	-2.576	19.832	19.998	89.25	20.000	20.000	89.700	19.998	0.262	19.998	0.105	100.0
11366.00	89.70	172.60	10801.10	974.95	-966.83	-125.57				2076465.7	11835872.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11386.00	89.70	172.60	10801.21	994.95	-986.66	-128.14				2076463.1	11835853.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11406.00	89.70	172.60	10801.31	1014.95	-1006.49	-130.72				2076460.6	11835833.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11426.00	89.70	172.60	10801.42	1034.95	-1026.33	-133.30				2076458.0	11835813.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11446.00	89.70	172.60	10801.52	1054.95	-1046.16	-135.87				2076455.4	11835793.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11466.00	89.70	172.60	10801.63	1074.94	-1065.99	-138.45				2076452.8	11835773.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11486.00	89.70	172.60	10801.73	1094.94	-1085.82	-141.02				2076450.3	11835753.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11506.00	89.70	172.60	10801.84	1114.94	-1105.66	-143.60				2076447.7	11835734.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11526.00	89.70	172.60	10801.94	1134.94	-1125.49	-146.18				2076445.1	11835714.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11546.00	89.70	172.60	10802.05	1154.94	-1145.32	-148.75				2076442.5	11835694.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11566.00	89.70	172.60	10802.15	1174.94	-1165.16	-151.33				2076440.0	11835674.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11586.00	89.70	172.60	10802.26	1194.94	-1184.99	-153.90				2076437.4	11835654.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11606.00	89.70	172.60	10802.36	1214.94	-1204.82	-156.48				2076434.8	11835634.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11626.00	89.70	172.60	10802.47	1234.94	-1224.66	-159.06				2076432.2	11835615.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11646.00	89.70	172.60	10802.57	1254.94	-1244.49	-161.63				2076429.7	11835595.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11666.00	89.70	172.60	10802.67	1274.94	-1264.32	-164.21				2076427.1	11835575.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11686.00	89.70	172.60	10802.78	1294.94	-1284.16	-166.78				2076424.5	11835555.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11706.00	89.70	172.60	10802.88	1314.94	-1303.99	-169.36				2076421.9	11835535.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11726.00	89.70	172.60	10802.99	1334.94	-1323.82	-171.93				2076419.4	11835515.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11746.00	89.70	172.60	10803.09	1354.94	-1343.66	-174.51				2076416.8	11835496.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11766.00	89.70	172.60	10803.20	1374.94	-1363.49	-177.09				2076414.2	11835476.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
11786.00	89.7																									

12146.00	89.70	172.60	10805.19	1754.94	-1740.32	-226.03			2076365.3	11835099.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12166.00	89.70	172.60	10805.29	1774.94	-1760.15	-228.60			2076362.7	11835079.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12186.00	89.70	172.60	10805.40	1794.93	-1779.99	-231.18			2076360.1	11835059.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12206.00	89.70	172.60	10805.50	1814.93	-1799.82	-233.76			2076357.5	11835039.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12226.00	89.70	172.60	10805.61	1834.93	-1819.65	-236.33			2076355.0	11835020.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12246.00	89.70	172.60	10805.71	1854.93	-1839.48	-238.91			2076352.4	11835000.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12266.00	89.70	172.60	10805.82	1874.93	-1859.32	-241.48			2076349.8	11834980.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12286.00	89.70	172.60	10805.92	1894.93	-1879.15	-244.06			2076347.2	11834960.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12306.00	89.70	172.60	10806.03	1914.93	-1898.98	-246.63			2076344.7	11834940.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12326.00	89.70	172.60	10806.13	1934.93	-1918.82	-249.21			2076342.1	11834920.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12346.00	89.70	172.60	10806.24	1954.93	-1938.65	-251.79			2076339.5	11834901.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12366.00	89.70	172.60	10806.34	1974.93	-1958.48	-254.36			2076336.9	11834881.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12386.00	89.70	172.60	10806.44	1994.93	-1978.32	-256.94			2076334.3	11834861.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12406.00	89.70	172.60	10806.55	2014.93	-1998.15	-259.51			2076331.8	11834841.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12426.00	89.70	172.60	10806.65	2034.93	-2017.98	-262.09			2076329.2	11834821.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12446.00	89.70	172.60	10806.76	2054.93	-2037.82	-264.67			2076326.6	11834801.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12466.00	89.70	172.60	10806.86	2074.93	-2057.65	-267.24			2076324.0	11834782.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12486.00	89.70	172.60	10806.97	2094.93	-2077.48	-269.82			2076321.5	11834762.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12506.00	89.70	172.60	10807.07	2114.93	-2097.32	-272.39			2076318.9	11834742.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12526.00	89.70	172.60	10807.18	2134.93	-2117.15	-274.97			2076316.3	11834722.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12546.00	89.70	172.60	10807.28	2154.93	-2136.98	-277.55			2076313.7	11834702.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12566.00	89.70	172.60	10807.39	2174.93	-2156.82	-280.12			2076311.2	11834682.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12586.00	89.70	172.60	10807.49	2194.93	-2176.65	-282.70			2076308.6	11834663.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12606.00	89.70	172.60	10807.60	2214.93	-2196.48	-285.27			2076306.0	11834643.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12626.00	89.70	172.60	10807.70	2234.93	-2216.31	-287.85			2076303.4	11834623.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12646.00	89.70	172.60	10807.81	2254.93	-2236.15	-290.42			2076300.9	11834603.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12666.00	89.70	172.60	10807.91	2274.93	-2255.98	-293.00			2076298.3	11834583.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12686.00	89.70	172.60	10808.02	2294.93	-2275.81	-295.58			2076295.7	11834563.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12706.00	89.70	172.60	10808.12	2314.93	-2295.65	-298.15			2076293.1	11834544.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12726.00	89.70	172.60	10808.23	2334.93	-2315.48	-300.73			2076290.6	11834524.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12746.00	89.70	172.60	10808.33	2354.93	-2335.31	-303.30			2076288.0	11834504.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12766.00	89.70	172.60	10808.43	2374.93	-2355.15	-305.88			2076285.4	11834484.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12786.00	89.70	172.60	10808.54	2394.93	-2374.98	-308.46			2076282.8	11834464.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12806.00	89.70	172.60	10808.64	2414.93	-2394.81	-311.03			2076280.3	11834444.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12826.00	89.70	172.60	10808.75	2434.93	-2414.65	-313.61			2076277.7	11834425.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12846.00	89.70	172.60	10808.85	2454.93	-2434.48	-316.18			2076275.1	11834405.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12866.00	89.70	172.60	10808.96	2474.93	-2454.31	-318.76			2076272.5	11834385.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12886.00	89.70	172.60	10809.06	2494.93	-2474.15	-321.34			2076270.0	11834365.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12906.00	89.70	172.60	10809.17	2514.93	-2493.98	-323.91			2076267.4	11834345.7	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12926.00	89.70	172.60	10809.27	2534.92	-2513.81	-326.49			2076264.8	11834325.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12946.00	89.70	172.60	10809.38	2554.92	-2533.65	-329.06			2076262.2	11834306.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12966.00	89.70	172.60	10809.48	2574.92	-2553.48	-331.64			2076259.6	11834286.2	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
12986.00	89.70	172.60	10809.59	2594.92	-2573.31	-334.21			2076257.1	11834266.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13006.00	89.70	172.60	10809.69	2614.92	-2593.14	-336.79			2076254.5	11834246.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13026.00	89.70	172.60	10809.80	2634.92	-2612.98	-339.37			2076251.9	11834226.8	0.00	0.00	-0.129	-2.576	19.833										

13386.00	89.70	172.60	10811.68	2994.92	-2969.97	-385.73			2076205.6	11833869.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13406.00	89.70	172.60	10811.79	3014.92	-2989.81	-388.31			2076203.0	11833849.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13426.00	89.70	172.60	10811.89	3034.92	-3009.64	-390.88			2076200.4	11833830.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13446.00	89.70	172.60	10811.99	3054.92	-3029.47	-393.46			2076197.8	11833810.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13466.00	89.70	172.60	10812.10	3074.92	-3049.31	-396.04			2076195.3	11833790.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13486.00	89.70	172.60	10812.20	3094.92	-3069.14	-398.61			2076192.7	11833770.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13506.00	89.70	172.60	10812.31	3114.92	-3088.97	-401.19			2076190.1	11833750.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13526.00	89.70	172.60	10812.41	3134.92	-3108.81	-403.76			2076187.5	11833730.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13546.00	89.70	172.60	10812.52	3154.92	-3128.64	-406.34			2076184.9	11833711.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13566.00	89.70	172.60	10812.62	3174.92	-3148.47	-408.92			2076182.4	11833691.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13586.00	89.70	172.60	10812.73	3194.92	-3168.31	-411.49			2076179.8	11833671.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13606.00	89.70	172.60	10812.83	3214.92	-3188.14	-414.07			2076177.2	11833651.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13626.00	89.70	172.60	10812.94	3234.92	-3207.97	-416.64			2076174.6	11833631.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13646.00	89.70	172.60	10813.04	3254.91	-3227.81	-419.22			2076172.1	11833611.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13666.00	89.70	172.60	10813.15	3274.91	-3247.64	-421.79			2076169.5	11833592.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13686.00	89.70	172.60	10813.25	3294.91	-3267.47	-424.37			2076166.9	11833572.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13706.00	89.70	172.60	10813.36	3314.91	-3287.30	-426.95			2076164.3	11833552.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13726.00	89.70	172.60	10813.46	3334.91	-3307.14	-429.52			2076161.8	11833532.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13746.00	89.70	172.60	10813.57	3354.91	-3326.97	-432.10			2076159.2	11833512.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13766.00	89.70	172.60	10813.67	3374.91	-3346.80	-434.67			2076156.6	11833492.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13786.00	89.70	172.60	10813.78	3394.91	-3366.64	-437.25			2076154.0	11833473.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13806.00	89.70	172.60	10813.88	3414.91	-3386.47	-439.83			2076151.5	11833453.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13826.00	89.70	172.60	10813.98	3434.91	-3406.30	-442.40			2076148.9	11833433.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13846.00	89.70	172.60	10814.09	3454.91	-3426.14	-444.98			2076146.3	11833413.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13866.00	89.70	172.60	10814.19	3474.91	-3445.97	-447.55			2076143.7	11833393.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13886.00	89.70	172.60	10814.30	3494.91	-3465.80	-450.13			2076141.2	11833373.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13906.00	89.70	172.60	10814.40	3514.91	-3485.64	-452.71			2076138.6	11833354.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13926.00	89.70	172.60	10814.51	3534.91	-3505.47	-455.28			2076136.0	11833334.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13946.00	89.70	172.60	10814.61	3554.91	-3525.30	-457.86			2076133.4	11833314.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13966.00	89.70	172.60	10814.72	3574.91	-3545.14	-460.43			2076130.9	11833294.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
13986.00	89.70	172.60	10814.82	3594.91	-3564.97	-463.01			2076128.3	11833274.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14006.00	89.70	172.60	10814.93	3614.91	-3584.80	-465.58			2076125.7	11833254.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14026.00	89.70	172.60	10815.03	3634.91	-3604.64	-468.16			2076123.1	11833235.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14046.00	89.70	172.60	10815.14	3654.91	-3624.47	-470.74			2076120.6	11833215.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14066.00	89.70	172.60	10815.24	3674.91	-3644.30	-473.31			2076118.0	11833195.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14086.00	89.70	172.60	10815.35	3694.91	-3664.13	-475.89			2076115.4	11833175.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14106.00	89.70	172.60	10815.45	3714.91	-3683.97	-478.46			2076112.8	11833155.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14126.00	89.70	172.60	10815.56	3734.91	-3703.80	-481.04			2076110.2	11833135.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14146.00	89.70	172.60	10815.66	3754.91	-3723.63	-483.62			2076107.7	11833116.1	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14166.00	89.70	172.60	10815.76	3774.91	-3743.47	-486.19			2076105.1	11833096.3	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14186.00	89.70	172.60	10815.87	3794.91	-3763.30	-488.77			2076102.5	11833076.4	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14206.00	89.70	172.60	10815.97	3814.91	-3783.13	-491.34			2076099.9	11833056.6	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14226.00	89.70	172.60	10816.08	3834.91	-3802.97	-493.92			2076097.4	11833036.8	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14246.00	89.70	172.60	10816.18	3854.91	-3822.80	-496.50			2076094.8	11833016.9	0.00	0.00	-0.129	-2.576	19.833	20.000	89.7	20.000	20.000	89.700	20.000	0.105	20.000	0.105	100.0
14266.00	89.70	172.60	10816.29	3874.91	-3842.63	-499.07			2076092.2	11832997.1	0														

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