



September 26, 2018

Devon Energy Production Company, LP
Well: Alley Cat 17 Fed Com 212H
County/Parish: Lea County, NM

LEAM MWD: (OH) from 0' MD – 15,495' MD
Projection; 15,551' MD

This Borehole Survey taken between 09/10/18 and 09/23/18 had been conducted and calculated according to the highest professional standards and complies with all known State and Federal requirements.

Reviewed and Approved:

Date: September 26, 2018



Survey Certification Form

State of New Mexico

Lea County

I, Randy W. Rakowitz, certify that; I am employed by LEAM Drilling Services, that I did on the day(s) of 09/10/2018 through 09/23/2018, conduct or supervise the taking of MWD Survey from a depth of 0' MD to 15,551' MD; that the data is true, correct, complete and within the limitations of the tools as set forth by LEAM Drilling Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Devon Energy Production Company, LP for the Alley Cat 17 Fed Com 212H in Lea County, New Mexico; and that I reviewed this report and find that it conforms to the principals and procedures as set forth by LEAM Drilling Services.

A handwritten signature in black ink, appearing to read 'Randy W. Rakowitz', written over a horizontal line.

Randy W. Rakowitz
MWD Operations Coordinator

LEAM Drilling Services

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Alley Cat 17 Fed Com 212H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3602.7' GE + 23.5' KB @ 3626.20usft
Site:	Alley Cat	MD Reference:	3602.7' GE + 23.5' KB @ 3626.20usft
Well:	Alley Cat 17 Fed Com 212H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Project	Lea County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Alley Cat				
Site Position:		Northing:	478,360.18 usft	Latitude:	32° 18' 48.4852 N
From:	Map	Easting:	738,690.91 usft	Longitude:	103° 41' 40.2275 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	Alley Cat 17 Fed Com 212H				
Well Position	+N/-S	0.00 usft	Northing:	477,482.01 usft	Latitude: 32° 18' 39.9393 N
	+E/-W	0.00 usft	Easting:	736,237.10 usft	Longitude: 103° 42' 8.8807 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft	Ground Level: 3,602.70 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/9/2018	6.87	60.07	48,067

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.62	

Survey Program	Date	10/2/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
148.00	15,495.00	Survey #1 (OH)	LEAM MWD+HDGM	MWD+HDGM	
15,551.00	15,551.00	Survey #2 (OH)	Project	Projection	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	0.80	131.90	148.00	-0.69	0.77	0.70	0.54	0.54	0.00
238.00	1.00	138.00	237.98	-1.69	1.76	1.70	0.25	0.22	6.78
327.00	0.80	141.00	326.97	-2.75	2.67	2.77	0.23	-0.22	3.37
417.00	0.90	142.10	416.96	-3.80	3.50	3.82	0.11	0.11	1.22
508.00	0.70	139.90	507.95	-4.79	4.30	4.82	0.22	-0.22	-2.42
599.00	0.70	122.00	598.95	-5.51	5.13	5.54	0.24	0.00	-19.67
690.00	0.70	123.20	689.94	-6.11	6.07	6.15	0.02	0.00	1.32
783.00	0.50	121.80	782.94	-6.63	6.89	6.68	0.22	-0.22	-1.51
874.00	0.40	105.80	873.93	-6.93	7.53	6.98	0.18	-0.11	-17.58

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Well:	Alley Cat 17 Fed Com 212H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
964.00	0.30	135.40	963.93	-7.18	8.00	7.23	0.23	-0.11	32.89
1,004.00	0.20	132.70	1,003.93	-7.30	8.12	7.36	0.25	-0.25	-6.75
1,145.00	0.20	231.50	1,144.93	-7.62	8.11	7.68	0.22	0.00	70.07
1,238.00	0.10	34.00	1,237.93	-7.66	8.03	7.71	0.32	-0.11	174.73
1,329.00	0.20	52.20	1,328.93	-7.49	8.20	7.55	0.12	0.11	20.00
1,420.00	0.10	328.00	1,419.93	-7.33	8.28	7.38	0.24	-0.11	-92.53
1,511.00	0.10	325.00	1,510.93	-7.20	8.19	7.25	0.01	0.00	-3.30
1,605.00	0.40	46.40	1,604.93	-6.90	8.38	6.96	0.42	0.32	86.60
1,701.00	1.30	60.00	1,700.92	-6.13	9.57	6.19	0.95	0.94	14.17
1,794.00	2.50	64.50	1,793.86	-4.73	12.31	4.81	1.30	1.29	4.84
1,889.00	3.20	63.50	1,888.75	-2.65	16.56	2.76	0.74	0.74	-1.05
1,984.00	3.80	66.30	1,983.57	-0.20	21.81	0.35	0.66	0.63	2.95
2,080.00	4.70	64.90	2,079.30	2.74	28.29	-2.56	0.94	0.94	-1.46
2,175.00	5.60	69.50	2,173.92	6.02	36.15	-5.78	1.04	0.95	4.84
2,270.00	6.10	76.70	2,268.43	8.80	45.41	-8.50	0.93	0.53	7.58
2,365.00	6.50	79.30	2,362.85	10.96	55.60	-10.59	0.52	0.42	2.74
2,460.00	7.00	79.00	2,457.19	13.07	66.57	-12.62	0.53	0.53	-0.32
2,554.00	7.60	75.80	2,550.43	15.68	78.22	-15.16	0.77	0.64	-3.40
2,649.00	8.40	72.40	2,644.51	19.32	90.92	-18.72	0.98	0.84	-3.58
2,744.00	9.10	73.70	2,738.40	23.53	104.75	-22.83	0.77	0.74	1.37
2,838.00	9.50	74.70	2,831.16	27.66	119.37	-26.87	0.46	0.43	1.06
2,932.00	10.10	76.30	2,923.79	31.66	134.86	-30.77	0.70	0.64	1.70
3,026.00	10.00	77.00	3,016.35	35.45	150.82	-34.45	0.17	-0.11	0.74
3,121.00	9.60	75.60	3,109.96	39.27	166.53	-38.17	0.49	-0.42	-1.47
3,215.00	9.10	75.80	3,202.72	43.05	181.32	-41.84	0.53	-0.53	0.21
3,310.00	9.30	75.10	3,296.49	46.86	196.02	-45.56	0.24	0.21	-0.74
3,405.00	9.50	76.00	3,390.22	50.73	211.05	-49.33	0.26	0.21	0.95
3,499.00	10.10	77.70	3,482.85	54.37	226.63	-52.86	0.71	0.64	1.81
3,594.00	10.60	77.90	3,576.30	57.97	243.31	-56.36	0.53	0.53	0.21
3,689.00	10.10	77.00	3,669.75	61.68	259.97	-59.95	0.55	-0.53	-0.95
3,783.00	9.80	77.00	3,762.34	65.33	275.80	-63.50	0.32	-0.32	0.00
3,878.00	9.20	78.20	3,856.04	68.70	291.11	-66.77	0.67	-0.63	1.26
3,973.00	9.70	80.90	3,949.75	71.52	306.45	-69.49	0.70	0.53	2.84
4,068.00	9.90	80.00	4,043.36	74.21	322.39	-72.07	0.27	0.21	-0.95
4,163.00	10.00	76.30	4,136.93	77.58	338.45	-75.33	0.68	0.11	-3.89
4,257.00	9.80	78.10	4,229.53	81.16	354.21	-78.81	0.39	-0.21	1.91
4,352.00	9.70	80.90	4,323.16	84.09	370.02	-81.64	0.51	-0.11	2.95
4,447.00	9.80	80.90	4,416.79	86.64	385.90	-84.08	0.11	0.11	0.00
4,542.00	9.60	73.30	4,510.44	90.19	401.48	-87.53	1.36	-0.21	-8.00
4,635.00	9.40	71.40	4,602.16	94.84	416.10	-92.08	0.40	-0.22	-2.04
4,730.00	9.00	71.90	4,695.94	99.63	430.52	-96.77	0.43	-0.42	0.53
4,824.00	8.70	71.60	4,788.82	104.16	444.25	-101.21	0.32	-0.32	-0.32
4,918.00	9.50	71.90	4,881.63	108.81	458.37	-105.77	0.85	0.85	0.32

LEAM Drilling Services

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Well:	Alley Cat 17 Fed Com 212H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,013.00	10.00	71.90	4,975.26	113.81	473.66	-110.66	0.53	0.53	0.00
5,107.00	10.00	71.70	5,067.83	118.91	489.17	-115.66	0.04	0.00	-0.21
5,201.00	9.70	71.70	5,160.45	123.96	504.44	-120.61	0.32	-0.32	0.00
5,296.00	9.80	72.10	5,254.08	128.95	519.73	-125.50	0.13	0.11	0.42
5,390.00	9.40	73.20	5,346.76	133.63	534.69	-130.08	0.47	-0.43	1.17
5,484.00	10.10	76.10	5,439.40	137.83	550.04	-134.18	0.91	0.74	3.09
5,579.00	9.80	77.50	5,532.97	141.58	566.02	-137.82	0.41	-0.32	1.47
5,674.00	9.40	77.50	5,626.64	145.01	581.49	-141.15	0.42	-0.42	0.00
5,767.00	9.40	77.40	5,718.39	148.31	596.31	-144.35	0.02	0.00	-0.11
5,862.00	9.00	77.70	5,812.17	151.59	611.14	-147.53	0.42	-0.42	0.32
5,947.00	9.00	78.20	5,896.13	154.36	624.15	-150.22	0.09	0.00	0.59
6,054.00	9.30	79.50	6,001.76	157.65	640.84	-153.40	0.34	0.28	1.21
6,149.00	9.20	79.30	6,095.53	160.46	655.85	-156.10	0.11	-0.11	-0.21
6,244.00	8.90	78.40	6,189.35	163.35	670.51	-158.89	0.35	-0.32	-0.95
6,338.00	9.40	78.80	6,282.15	166.30	685.17	-161.75	0.54	0.53	0.43
6,432.00	10.30	77.90	6,374.76	169.55	700.91	-164.90	0.97	0.96	-0.96
6,528.00	10.20	77.70	6,469.23	173.16	717.61	-168.40	0.11	-0.10	-0.21
6,622.00	9.60	78.60	6,561.83	176.48	733.43	-171.62	0.66	-0.64	0.96
6,717.00	9.30	78.40	6,655.54	179.59	748.71	-174.62	0.32	-0.32	-0.21
6,812.00	9.00	78.10	6,749.33	182.67	763.50	-177.60	0.32	-0.32	-0.32
6,907.00	9.40	77.00	6,843.11	185.95	778.33	-180.78	0.46	0.42	-1.16
7,000.00	10.20	76.50	6,934.75	189.58	793.74	-184.31	0.87	0.86	-0.54
7,094.00	9.80	77.40	7,027.32	193.26	809.64	-187.89	0.46	-0.43	0.96
7,189.00	9.00	77.90	7,121.05	196.59	824.79	-191.11	0.85	-0.84	0.53
7,284.00	9.10	77.90	7,214.87	199.72	839.41	-194.15	0.11	0.11	0.00
7,378.00	9.20	73.00	7,307.67	203.47	853.86	-197.81	0.84	0.11	-5.21
7,472.00	10.10	73.90	7,400.34	207.96	868.97	-202.19	0.97	0.96	0.96
7,567.00	10.60	78.20	7,493.79	212.05	885.52	-206.18	0.97	0.53	4.53
7,661.00	10.40	80.40	7,586.22	215.24	902.35	-209.25	0.48	-0.21	2.34
7,757.00	9.20	80.40	7,680.82	217.96	918.46	-211.86	1.25	-1.25	0.00
7,851.00	8.40	81.80	7,773.71	220.19	932.67	-214.00	0.88	-0.85	1.49
7,946.00	8.50	83.50	7,867.68	221.98	946.51	-215.70	0.28	0.11	1.79
8,041.00	9.70	82.30	7,961.48	223.85	961.42	-217.46	1.28	1.26	-1.26
8,136.00	9.10	81.60	8,055.21	226.02	976.78	-219.53	0.64	-0.63	-0.74
8,230.00	8.80	80.90	8,148.06	228.24	991.24	-221.66	0.34	-0.32	-0.74
8,325.00	9.80	81.60	8,241.81	230.57	1,006.41	-223.89	1.06	1.05	0.74
8,420.00	9.60	83.90	8,335.45	232.59	1,022.28	-225.81	0.46	-0.21	2.42
8,515.00	8.70	85.50	8,429.24	234.00	1,037.32	-227.11	0.98	-0.95	1.68
8,609.00	7.60	86.30	8,522.29	234.96	1,050.61	-227.98	1.18	-1.17	0.85
8,704.00	6.20	86.70	8,616.60	235.66	1,062.01	-228.61	1.47	-1.47	0.42
8,798.00	5.50	83.20	8,710.11	236.48	1,071.55	-229.37	0.84	-0.74	-3.72
8,892.00	5.20	86.70	8,803.70	237.26	1,080.27	-230.09	0.47	-0.32	3.72
8,988.00	5.00	86.00	8,899.32	237.80	1,088.79	-230.58	0.22	-0.21	-0.73

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Survey

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9,082.00	4.80	84.80	8,992.98	238.45	1,096.79	-231.17	0.24	-0.21	-1.28
9,177.00	4.30	80.40	9,087.68	239.40	1,104.26	-232.07	0.64	-0.53	-4.63
9,272.00	3.40	72.40	9,182.47	240.85	1,110.46	-233.48	1.10	-0.95	-8.42
9,367.00	2.50	73.50	9,277.34	242.29	1,115.13	-234.88	0.95	-0.95	1.16
9,461.00	1.40	85.10	9,371.28	242.97	1,118.24	-235.54	1.24	-1.17	12.34
9,555.00	0.20	339.60	9,465.28	243.22	1,119.33	-235.79	1.56	-1.28	-112.23
9,650.00	0.40	333.00	9,560.27	243.67	1,119.12	-236.24	0.21	0.21	-6.95
9,745.00	0.20	8.50	9,655.27	244.13	1,118.99	-236.70	0.28	-0.21	37.37
9,840.00	0.60	239.80	9,750.27	244.04	1,118.59	-236.62	0.78	0.42	-135.47
9,935.00	0.70	251.60	9,845.27	243.61	1,117.61	-236.19	0.18	0.11	12.42
10,037.00	4.60	199.90	9,947.14	239.56	1,115.62	-232.16	4.12	3.82	-50.69
10,132.00	20.10	195.30	10,039.66	220.12	1,109.98	-212.75	16.34	16.32	-4.84
10,179.00	27.30	197.60	10,082.67	202.03	1,104.59	-194.70	15.44	15.32	4.89
10,227.00	31.00	194.10	10,124.59	179.54	1,098.24	-172.25	8.48	7.71	-7.29
10,274.00	34.60	184.80	10,164.11	154.48	1,094.18	-147.22	13.16	7.66	-19.79
10,322.00	39.40	176.20	10,202.46	125.66	1,094.04	-118.40	14.69	10.00	-17.92
10,369.00	41.10	173.50	10,238.34	95.43	1,096.78	-88.15	5.18	3.62	-5.74
10,417.00	41.70	173.00	10,274.34	63.90	1,100.51	-56.60	1.43	1.25	-1.04
10,464.00	44.80	176.00	10,308.57	31.86	1,103.58	-24.54	7.91	6.60	6.38
10,511.00	47.10	179.00	10,341.25	-1.88	1,105.03	9.21	6.71	4.89	6.38
10,558.00	50.60	180.20	10,372.18	-37.27	1,105.27	44.59	7.69	7.45	2.55
10,605.00	54.40	179.90	10,400.78	-74.55	1,105.24	81.87	8.10	8.09	-0.64
10,652.00	59.70	179.10	10,426.34	-113.97	1,105.59	121.30	11.37	11.28	-1.70
10,700.00	66.00	179.70	10,448.23	-156.66	1,106.03	163.99	13.17	13.13	1.25
10,747.00	69.90	179.30	10,465.87	-200.21	1,106.41	207.54	8.34	8.30	-0.85
10,794.00	73.40	178.80	10,480.67	-244.81	1,107.16	252.14	7.51	7.45	-1.06
10,841.00	77.50	178.30	10,492.47	-290.27	1,108.31	297.62	8.78	8.72	-1.06
10,889.00	81.30	178.80	10,501.30	-337.43	1,109.50	344.78	7.98	7.92	1.04
10,936.00	87.10	178.10	10,506.05	-384.15	1,110.77	391.51	12.43	12.34	-1.49
10,984.00	89.70	178.10	10,507.39	-432.10	1,112.36	439.47	5.42	5.42	0.00
11,005.00	91.80	177.70	10,507.11	-453.09	1,113.13	460.46	10.18	10.00	-1.90
11,100.00	92.20	178.30	10,503.80	-547.97	1,116.44	555.36	0.76	0.42	0.63
11,194.00	91.90	178.40	10,500.44	-641.87	1,119.14	649.28	0.34	-0.32	0.11
11,289.00	90.90	178.60	10,498.11	-736.81	1,121.63	744.23	1.07	-1.05	0.21
11,383.00	89.60	178.80	10,497.70	-830.78	1,123.76	838.22	1.40	-1.38	0.21
11,477.00	89.50	179.50	10,498.44	-924.77	1,125.16	932.21	0.75	-0.11	0.74
11,572.00	89.30	180.00	10,499.44	-1,019.76	1,125.57	1,027.20	0.57	-0.21	0.53
11,667.00	88.40	180.90	10,501.34	-1,114.74	1,124.83	1,122.17	1.34	-0.95	0.95
11,761.00	87.80	180.60	10,504.46	-1,208.68	1,123.60	1,216.10	0.71	-0.64	-0.32
11,856.00	88.50	179.10	10,507.53	-1,303.62	1,123.85	1,311.05	1.74	0.74	-1.58
11,951.00	89.30	178.60	10,509.35	-1,398.59	1,125.75	1,406.02	0.99	0.84	-0.53
12,045.00	90.40	178.40	10,509.60	-1,492.55	1,128.21	1,500.00	1.19	1.17	-0.21
12,140.00	90.30	178.40	10,509.02	-1,587.51	1,130.86	1,594.98	0.11	-0.11	0.00
12,234.00	90.10	178.10	10,508.69	-1,681.47	1,133.74	1,688.95	0.38	-0.21	-0.32

LEAM Drilling Services

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Alley Cat 17 Fed Com 212H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3602.7' GE + 23.5' KB @ 3626.20usft
Site:	Alley Cat	MD Reference:	3602.7' GE + 23.5' KB @ 3626.20usft
Well:	Alley Cat 17 Fed Com 212H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Multi User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,329.00	89.70	178.60	10,508.86	-1,776.43	1,136.47	1,783.93	0.67	-0.42	0.53
12,423.00	90.30	179.90	10,508.86	-1,870.42	1,137.70	1,877.92	1.52	0.64	1.38
12,517.00	90.20	180.00	10,508.44	-1,964.42	1,137.78	1,971.92	0.15	-0.11	0.11
12,611.00	90.00	180.20	10,508.28	-2,058.42	1,137.62	2,065.92	0.30	-0.21	0.21
12,706.00	89.90	179.70	10,508.36	-2,153.42	1,137.70	2,160.91	0.54	-0.11	-0.53
12,801.00	89.40	179.90	10,508.94	-2,248.41	1,138.03	2,255.91	0.57	-0.53	0.21
12,896.00	90.30	179.30	10,509.19	-2,343.41	1,138.70	2,350.91	1.14	0.95	-0.63
12,991.00	90.20	179.10	10,508.78	-2,438.40	1,140.02	2,445.91	0.24	-0.11	-0.21
13,086.00	89.90	178.80	10,508.70	-2,533.38	1,141.76	2,540.90	0.45	-0.32	-0.32
13,180.00	89.60	179.10	10,509.11	-2,627.37	1,143.49	2,634.89	0.45	-0.32	0.32
13,275.00	90.50	179.00	10,509.02	-2,722.35	1,145.06	2,729.89	0.95	0.95	-0.11
13,369.00	90.40	178.80	10,508.28	-2,816.33	1,146.87	2,823.88	0.24	-0.11	-0.21
13,465.00	89.80	178.80	10,508.12	-2,912.31	1,148.88	2,919.87	0.63	-0.63	0.00
13,559.00	89.70	178.80	10,508.53	-3,006.29	1,150.84	3,013.86	0.11	-0.11	0.00
13,655.00	91.20	179.90	10,507.77	-3,102.28	1,151.93	3,109.85	1.94	1.56	1.15
13,749.00	90.90	180.20	10,506.05	-3,196.26	1,151.85	3,203.83	0.45	-0.32	0.32
13,844.00	90.60	180.20	10,504.81	-3,291.25	1,151.52	3,298.82	0.32	-0.32	0.00
13,936.00	90.20	180.20	10,504.16	-3,383.25	1,151.20	3,390.81	0.43	-0.43	0.00
14,031.00	89.80	180.40	10,504.16	-3,478.25	1,150.70	3,485.80	0.47	-0.42	0.21
14,125.00	90.70	179.70	10,503.75	-3,572.24	1,150.62	3,579.80	1.21	0.96	-0.74
14,218.00	90.60	179.90	10,502.70	-3,665.24	1,150.94	3,672.79	0.24	-0.11	0.22
14,313.00	90.30	179.90	10,501.95	-3,760.23	1,151.11	3,767.79	0.32	-0.32	0.00
14,408.00	90.00	179.90	10,501.70	-3,855.23	1,151.28	3,862.78	0.32	-0.32	0.00
14,502.00	89.90	179.10	10,501.79	-3,949.23	1,152.10	3,956.78	0.86	-0.11	-0.85
14,597.00	89.00	178.80	10,502.70	-4,044.21	1,153.84	4,051.77	1.00	-0.95	-0.32
14,692.00	90.80	178.30	10,502.86	-4,139.17	1,156.24	4,146.75	1.97	1.89	-0.53
14,786.00	91.10	177.70	10,501.31	-4,233.10	1,159.52	4,240.70	0.71	0.32	-0.64
14,880.00	90.70	177.70	10,499.83	-4,327.01	1,163.29	4,334.63	0.43	-0.43	0.00
14,974.00	90.10	177.70	10,499.17	-4,420.94	1,167.07	4,428.58	0.64	-0.64	0.00
15,068.00	89.60	177.90	10,499.42	-4,514.87	1,170.67	4,522.53	0.57	-0.53	0.21
15,163.00	89.10	177.70	10,500.50	-4,609.79	1,174.32	4,617.48	0.57	-0.53	-0.21
15,258.00	89.90	179.30	10,501.33	-4,704.75	1,176.81	4,712.45	1.88	0.84	1.68
15,353.00	89.70	179.10	10,501.66	-4,799.74	1,178.13	4,807.45	0.30	-0.21	-0.21
15,447.00	89.30	179.10	10,502.48	-4,893.72	1,179.61	4,901.44	0.43	-0.43	0.00
15,495.00	88.90	178.80	10,503.23	-4,941.71	1,180.49	4,949.43	1.04	-0.83	-0.63
15,551.00	88.90	178.80	10,504.31	-4,997.69	1,181.66	5,005.41	0.00	0.00	0.00
Projection									