



HOBBS OCD

JAN 29 2019

RECEIVED

November 1, 2018

Devon Energy Production Company, LP
Well: Boundary Raider 5 Federal 231H
County/Parish: Lea County, NM

LEAM MWD: (OH) from 235' MD – 15,724' MD
Projection; 15,775' MD

This Borehole Survey taken between 10/16/18 and 10/29/18 had been conducted and calculated according to the highest professional standards and complies with all known State and Federal requirements.

Reviewed and Approved:

Date: November 1, 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 October 16, 2018 through October 29, 2018, conduct or supervise the taking of MWD Survey from a depth of 235' MD to 15,775' 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 Boundary Raider 5 Federal 231H 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', is written over a horizontal line.

Randy W. Rakowitz
MWD Operations Coordinator

LEAM Drilling Services

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Boundary Raider 5 Federal 231H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3561.2' GE + 32' KB @ 3593.20usft
Site:	Boundary Raider 5 Federal	MD Reference:	3561.2' GE + 32' KB @ 3593.20usft
Well:	Boundary Raider 5 Federal 231H	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	Boundary Raider 5 Federal				
Site Position:		Northing:	482,916.76 usft	Latitude:	32° 19' 33.7080 N
From:	Map	Easting:	736,406.46 usft	Longitude:	103° 42' 6.5341 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	Boundary Raider 5 Federal 231H					
Well Position	+N/-S	0.00 usft	Northing:	482,916.76 usft	Latitude:	32° 19' 33.7080 N
	+E/-W	0.00 usft	Easting:	736,406.46 usft	Longitude:	103° 42' 6.5341 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3.561.20 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/24/2018	6.87	60.08	48,066

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	359.48	

Survey Program	Date	11/9/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
235.00	15,724.00	Survey #1 (OH)	LEAM MWD+HDGM	MWD+HDGM	
15.775.00	15,775.00	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	
235.00	0.26	298.33	235.00	0.25	-0.47	0.26	0.11	0.11	0.00	
326.00	0.26	322.76	326.00	0.52	-0.78	0.52	0.12	0.00	26.85	
418.00	0.44	311.51	418.00	0.92	-1.17	0.93	0.21	0.20	-12.23	
509.00	0.53	284.97	508.99	1.26	-1.84	1.27	0.26	0.10	-29.16	
600.00	0.70	313.27	599.99	1.75	-2.65	1.77	0.38	0.19	31.10	
690.00	0.44	319.24	689.98	2.38	-3.27	2.41	0.30	-0.29	6.63	
782.00	0.79	303.60	781.98	3.00	-4.03	3.04	0.42	0.38	-17.00	
874.00	0.88	298.85	873.97	3.69	-5.18	3.74	0.12	0.10	-5.16	
909.00	0.79	305.53	908.96	3.96	-5.61	4.02	0.38	-0.26	19.09	

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Well:	Boundary Raider 5 Federal 231H	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)
1,067.00	0.70	311.16	1,066.95	5.23	-7.22	5.30	0.07	-0.06	3.56
1,159.00	0.88	312.39	1,158.94	6.08	-8.17	6.15	0.20	0.20	1.34
1,249.00	0.79	297.27	1,248.93	6.83	-9.23	6.91	0.26	-0.10	-16.80
1,341.00	0.53	261.76	1,340.93	7.06	-10.21	7.15	0.51	-0.28	-38.60
1,433.00	0.62	296.57	1,432.92	7.22	-11.08	7.32	0.39	0.10	37.84
1,523.00	0.70	301.32	1,522.92	7.72	-11.99	7.83	0.11	0.09	5.28
1,615.00	0.62	305.53	1,614.91	8.31	-12.87	8.42	0.10	-0.09	4.58
1,710.00	0.70	306.24	1,709.90	8.95	-13.76	9.07	0.08	0.08	0.75
1,805.00	0.62	298.85	1,804.90	9.54	-14.68	9.67	0.12	-0.08	-7.78
1,900.00	0.44	309.23	1,899.89	10.02	-15.41	10.16	0.21	-0.19	10.93
1,995.00	0.53	295.69	1,994.89	10.44	-16.09	10.58	0.15	0.09	-14.25
2,089.00	0.53	295.69	2,088.89	10.82	-16.87	10.97	0.00	0.00	0.00
2,184.00	0.44	302.90	2,183.88	11.20	-17.57	11.36	0.11	-0.09	7.59
2,278.00	0.35	268.80	2,277.88	11.39	-18.16	11.56	0.26	-0.10	-36.28
2,371.00	0.35	261.06	2,370.88	11.34	-18.73	11.51	0.05	0.00	-8.32
2,466.00	0.26	266.33	2,465.88	11.28	-19.23	11.46	0.10	-0.09	5.55
2,559.00	0.26	233.46	2,558.88	11.15	-19.61	11.32	0.16	0.00	-35.34
2,635.00	0.35	219.93	2,634.88	10.86	-19.90	11.05	0.15	0.12	-17.80
2,748.00	0.44	215.01	2,747.87	10.24	-20.37	10.43	0.09	0.08	-4.35
2,842.00	0.26	207.08	2,841.87	9.76	-20.67	9.95	0.20	-0.19	-8.44
2,936.00	0.18	285.14	2,935.87	9.61	-20.91	9.80	0.30	-0.09	83.04
3,030.00	0.18	346.67	3,029.87	9.79	-21.09	9.98	0.20	0.00	65.46
3,125.00	0.09	1.43	3,124.87	10.01	-21.12	10.20	0.10	-0.09	15.54
3,219.00	0.26	6.88	3,218.87	10.30	-21.09	10.49	0.18	0.18	5.80
3,312.00	0.26	10.57	3,311.87	10.71	-21.03	10.90	0.02	0.00	3.97
3,406.00	0.26	8.29	3,405.87	11.13	-20.96	11.32	0.01	0.00	-2.43
3,501.00	0.18	293.23	3,500.87	11.41	-21.07	11.60	0.29	-0.08	-79.01
3,596.00	0.18	257.55	3,595.87	11.43	-21.35	11.63	0.12	0.00	-37.56
3,691.00	0.26	248.23	3,690.87	11.32	-21.69	11.52	0.09	0.08	-9.81
3,785.00	0.62	132.21	3,784.86	10.90	-21.52	11.09	0.82	0.38	-123.43
3,878.00	1.32	127.12	3,877.85	9.91	-20.29	10.10	0.76	0.75	-5.47
3,973.00	1.41	130.46	3,972.82	8.50	-18.53	8.66	0.13	0.09	3.52
4,069.00	1.49	124.48	4,068.79	7.02	-16.60	7.17	0.18	0.08	-6.23
4,163.00	2.02	127.99	4,162.75	5.31	-14.29	5.44	0.58	0.56	3.73
4,257.00	2.37	125.53	4,256.68	3.16	-11.40	3.27	0.39	0.37	-2.62
4,352.00	2.73	123.07	4,351.59	0.79	-7.90	0.86	0.40	0.38	-2.59
4,447.00	2.46	122.19	4,446.49	-1.53	-4.28	-1.50	0.29	-0.28	-0.93
4,541.00	2.11	119.21	4,540.41	-3.45	-1.07	-3.44	0.39	-0.37	-3.17
4,635.00	1.85	119.56	4,634.36	-5.05	1.76	-5.06	0.28	-0.28	0.37
4,729.00	1.67	123.07	4,728.31	-6.54	4.23	-6.58	0.22	-0.19	3.73
4,823.00	1.58	122.90	4,822.27	-7.99	6.47	-8.05	0.10	-0.10	-0.18
4,917.00	1.41	130.10	4,916.24	-9.44	8.44	-9.52	0.27	-0.18	7.66
5,012.00	1.32	128.52	5,011.22	-10.88	10.19	-10.97	0.10	-0.09	-1.66

LEAM Drilling Services

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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5,107.00	1.32	128.35	5,106.19	-12.24	11.91	-12.35	0.00	0.00	-0.18
5,201.00	1.32	134.50	5,200.17	-13.67	13.53	-13.79	0.15	0.00	6.54
5,296.00	1.23	131.51	5,295.14	-15.11	15.07	-15.25	0.12	-0.09	-3.15
5,391.00	1.23	136.26	5,390.12	-16.52	16.54	-16.67	0.11	0.00	5.00
5,485.00	1.14	137.66	5,484.10	-17.94	17.87	-18.10	0.10	-0.10	1.49
5,580.00	1.23	139.24	5,579.08	-19.41	19.17	-19.59	0.10	0.09	1.66
5,674.00	1.14	150.14	5,673.06	-20.99	20.29	-21.17	0.26	-0.10	11.60
5,768.00	1.14	145.75	5,767.04	-22.57	21.28	-22.77	0.09	0.00	-4.67
5,863.00	1.14	157.88	5,862.02	-24.23	22.17	-24.43	0.25	0.00	12.77
5,958.00	1.23	140.83	5,957.00	-25.90	23.17	-26.11	0.38	0.09	-17.95
6,053.00	1.14	145.05	6,051.98	-27.46	24.36	-27.68	0.13	-0.09	4.44
6,148.00	1.23	146.63	6,146.96	-29.09	25.46	-29.32	0.10	0.09	1.66
6,238.00	1.20	125.00	6,236.94	-30.43	26.76	-30.68	0.51	-0.03	-24.03
6,333.00	0.97	117.10	6,331.93	-31.37	28.29	-31.63	0.29	-0.24	-8.32
6,428.00	1.06	118.85	6,426.91	-32.16	29.78	-32.43	0.10	0.09	1.84
6,522.00	0.88	127.64	6,520.90	-33.02	31.11	-33.30	0.25	-0.19	9.35
6,617.00	1.06	115.87	6,615.88	-33.85	32.48	-34.14	0.28	0.19	-12.39
6,711.00	0.97	116.22	6,709.87	-34.58	33.98	-34.89	0.10	-0.10	0.37
6,806.00	0.97	150.85	6,804.86	-35.64	35.09	-35.96	0.61	0.00	36.45
6,899.00	1.49	196.90	6,897.84	-37.48	35.12	-37.80	1.16	0.56	49.52
6,994.00	2.46	194.97	6,992.78	-40.64	34.24	-40.94	1.02	1.02	-2.03
7,088.00	3.34	197.60	7,086.66	-45.19	32.89	-45.49	0.95	0.94	2.80
7,183.00	3.69	203.40	7,181.48	-50.64	30.84	-50.92	0.52	0.37	6.11
7,278.00	4.48	203.60	7,276.24	-56.84	28.14	-57.10	0.83	0.83	0.21
7,372.00	4.13	209.56	7,369.97	-63.15	25.00	-63.38	0.60	-0.37	6.34
7,467.00	4.48	218.35	7,464.70	-69.04	21.01	-69.23	0.79	0.37	9.25
7,561.00	5.54	221.86	7,558.34	-75.30	15.70	-75.44	1.17	1.13	3.73
7,656.00	6.33	224.15	7,652.83	-82.47	8.99	-82.55	0.87	0.83	2.41
7,750.00	6.07	222.92	7,746.28	-89.83	2.00	-89.84	0.31	-0.28	-1.31
7,845.00	5.72	221.86	7,840.78	-97.03	-4.58	-96.99	0.39	-0.37	-1.12
7,939.00	5.63	219.58	7,934.32	-104.07	-10.64	-103.97	0.26	-0.10	-2.43
8,034.00	6.42	223.44	8,028.80	-111.52	-17.26	-111.36	0.93	0.83	4.06
8,129.00	6.51	223.62	8,123.19	-119.28	-24.63	-119.05	0.10	0.09	0.19
8,224.00	6.24	221.86	8,217.61	-127.02	-31.79	-126.73	0.35	-0.28	-1.85
8,319.00	5.89	220.98	8,312.07	-134.55	-38.43	-134.19	0.38	-0.37	-0.93
8,414.00	5.63	220.63	8,406.59	-141.76	-44.67	-141.35	0.28	-0.27	-0.37
8,509.00	6.07	220.98	8,501.10	-149.09	-50.99	-148.62	0.46	0.46	0.37
8,604.00	5.98	223.27	8,595.57	-156.49	-57.68	-155.96	0.27	-0.09	2.41
8,700.00	5.63	222.21	8,691.08	-163.62	-64.27	-163.03	0.38	-0.36	-1.10
8,795.00	4.57	219.75	8,785.70	-169.98	-69.82	-169.34	1.14	-1.12	-2.59
8,889.00	5.01	217.99	8,879.38	-176.09	-74.74	-175.41	0.49	0.47	-1.87
8,984.00	5.28	220.46	8,973.99	-182.69	-80.13	-181.95	0.37	0.28	2.60
9,078.00	5.54	219.05	9,067.57	-189.50	-85.80	-188.71	0.31	0.28	-1.50

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9,173.00	4.57	209.38	9,162.21	-196.36	-90.54	-195.53	1.36	-1.02	-10.18
9,268.00	4.31	202.88	9,256.92	-202.95	-93.79	-202.09	0.60	-0.27	-6.84
9,362.00	4.48	197.78	9,350.64	-209.70	-96.28	-208.81	0.45	0.18	-5.43
9,457.00	4.31	198.48	9,445.37	-216.62	-98.55	-215.71	0.19	-0.18	0.74
9,551.00	2.46	187.41	9,539.20	-221.97	-99.93	-221.05	2.08	-1.97	-11.78
9,645.00	1.85	172.82	9,633.13	-225.47	-100.00	-224.56	0.87	-0.65	-15.52
9,740.00	1.23	158.81	9,728.10	-227.94	-99.44	-227.03	0.76	-0.65	-14.75
9,820.00	1.23	143.82	9,808.08	-229.44	-98.62	-228.53	0.40	0.00	-18.74
9,929.00	5.89	14.09	9,916.90	-224.95	-96.57	-224.07	6.19	4.28	-119.02
9,976.00	11.26	1.96	9,963.37	-218.02	-95.82	-217.14	11.99	11.43	-25.81
10,023.00	16.62	353.17	10,008.97	-206.75	-96.46	-205.87	12.23	11.40	-18.70
10,070.00	21.37	352.64	10,053.40	-191.58	-98.36	-190.68	10.11	10.11	-1.13
10,118.00	26.47	350.89	10,097.26	-172.33	-101.18	-171.40	10.73	10.63	-3.65
10,165.00	29.99	353.70	10,138.67	-150.30	-104.13	-149.35	8.00	7.49	5.98
10,212.00	33.15	354.75	10,178.71	-125.82	-106.59	-124.85	6.82	6.72	2.23
10,259.00	38.25	355.10	10,216.86	-98.51	-109.01	-97.52	10.86	10.85	0.74
10,307.00	45.20	355.28	10,252.66	-66.70	-111.69	-65.68	14.48	14.48	0.38
10,354.00	51.79	357.74	10,283.80	-31.59	-113.79	-30.55	14.56	14.02	5.23
10,423.00	56.89	359.50	10,324.01	24.44	-115.11	25.48	7.68	7.39	2.55
10,470.00	59.62	0.55	10,348.74	64.40	-115.09	65.44	6.11	5.81	2.23
10,509.37	61.90	0.84	10,367.97	98.75	-114.67	99.78	5.82	5.79	0.75
SL Crossing - 10509.37' MD, 10367.97' TVD									
10,517.00	62.34	0.90	10,371.53	105.49	-114.57	106.53	5.82	5.79	0.73
10,564.00	64.46	1.61	10,392.58	147.50	-113.64	148.53	4.71	4.51	1.51
10,612.00	68.24	2.49	10,411.83	191.44	-112.07	192.44	8.05	7.88	1.83
10,659.00	70.00	3.19	10,428.58	235.29	-109.89	236.28	3.99	3.74	1.49
10,705.00	73.42	2.66	10,443.02	278.91	-107.66	279.87	7.51	7.43	-1.15
10,752.00	76.68	2.31	10,455.14	324.27	-105.69	325.21	6.97	6.94	-0.74
10,801.00	79.67	0.20	10,465.18	372.21	-104.65	373.14	7.42	6.10	-4.31
10,848.00	83.01	359.32	10,472.26	418.66	-104.85	419.60	7.34	7.11	-1.87
10,896.00	86.53	0.55	10,476.63	466.45	-104.90	467.39	7.76	7.33	2.56
10,943.00	89.08	0.38	10,478.43	513.41	-104.52	514.34	5.44	5.43	-0.36
10,992.00	90.04	0.20	10,478.81	562.41	-104.27	563.33	1.99	1.96	-0.37
11,087.00	90.57	359.50	10,478.30	657.41	-104.52	658.33	0.92	0.56	-0.74
11,182.00	91.10	359.85	10,476.92	752.40	-105.06	753.32	0.67	0.56	0.37
11,277.00	91.10	358.80	10,475.09	847.37	-106.18	848.30	1.11	0.00	-1.11
11,371.00	90.92	358.44	10,473.44	941.33	-108.44	942.27	0.43	-0.19	-0.38
11,467.00	91.10	359.15	10,471.74	1,037.29	-110.46	1,038.25	0.76	0.19	0.74
11,561.00	91.01	359.50	10,470.01	1,131.27	-111.57	1,132.24	0.38	-0.10	0.37
11,657.00	91.80	0.55	10,467.66	1,227.24	-111.52	1,228.20	1.37	0.82	1.09
11,752.00	91.45	359.85	10,464.96	1,322.20	-111.19	1,323.15	0.82	-0.37	-0.74
11,847.00	89.78	359.67	10,463.95	1,417.19	-111.59	1,418.14	1.77	-1.76	-0.19
11,943.00	90.04	0.55	10,464.10	1,513.19	-111.41	1,514.14	0.96	0.27	0.92
12,037.00	90.66	1.61	10,463.52	1,607.17	-109.63	1,608.10	1.31	0.66	1.13

LEAM Drilling Services

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Boundary Raider 5 Federal 231H
Project:	Lea County, NM (NAD-83)	TVD Reference:	3561.2' GE + 32' KB @ 3593.20usft
Site:	Boundary Raider 5 Federal	MD Reference:	3561.2' GE + 32' KB @ 3593.20usft
Well:	Boundary Raider 5 Federal 231H	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)
12,132.00	89.60	0.38	10,463.31	1,702.15	-107.98	1,703.06	1.71	-1.12	-1.29
12,227.00	89.34	358.80	10,464.18	1,797.14	-108.66	1,798.05	1.69	-0.27	-1.66
12,323.00	89.34	359.32	10,465.29	1,893.12	-110.24	1,894.04	0.54	0.00	0.54
12,417.00	88.81	357.57	10,466.81	1,987.07	-112.79	1,988.01	1.94	-0.56	-1.86
12,512.00	88.55	357.74	10,469.00	2,081.97	-116.68	2,082.94	0.33	-0.27	0.18
12,607.00	90.48	358.09	10,469.80	2,176.89	-120.13	2,177.90	2.06	2.03	0.37
12,702.00	90.48	358.44	10,469.01	2,271.85	-123.01	2,272.87	0.37	0.00	0.37
12,796.00	89.96	359.15	10,468.64	2,365.83	-124.98	2,366.86	0.94	-0.55	0.76
12,891.00	90.57	358.27	10,468.20	2,460.80	-127.12	2,461.85	1.13	0.64	-0.93
12,985.00	90.22	358.80	10,467.56	2,554.77	-129.53	2,555.84	0.68	-0.37	0.56
13,080.00	90.13	359.15	10,467.27	2,649.75	-131.23	2,650.83	0.38	-0.09	0.37
13,174.00	93.21	0.03	10,464.53	2,743.69	-131.90	2,744.78	3.41	3.28	0.94
13,268.00	94.70	359.32	10,458.04	2,837.47	-132.43	2,838.55	1.76	1.59	-0.76
13,363.00	95.41	357.99	10,449.67	2,932.07	-134.65	2,933.17	1.58	0.75	-1.40
13,457.00	90.66	356.51	10,444.70	3,025.80	-139.15	3,026.94	5.29	-5.05	-1.57
13,552.00	89.08	359.67	10,444.91	3,120.73	-142.32	3,121.89	3.72	-1.66	3.33
13,647.00	89.78	358.97	10,445.86	3,215.72	-143.45	3,216.89	1.04	0.74	-0.74
13,742.00	90.75	358.44	10,445.42	3,310.69	-145.60	3,311.88	1.16	1.02	-0.56
13,836.00	89.52	358.62	10,445.20	3,404.66	-148.01	3,405.86	1.32	-1.31	0.19
13,931.00	90.31	359.67	10,445.34	3,499.65	-149.42	3,500.86	1.38	0.83	1.11
14,025.00	90.92	359.50	10,444.33	3,593.64	-150.10	3,594.85	0.67	0.65	-0.18
14,119.00	91.71	359.32	10,442.17	3,687.61	-151.07	3,688.83	0.86	0.84	-0.19
14,213.00	93.56	359.15	10,437.85	3,781.49	-152.33	3,782.72	1.98	1.97	-0.18
14,308.00	93.47	0.90	10,432.03	3,876.31	-152.28	3,877.53	1.84	-0.09	1.84
14,402.00	90.75	1.26	10,428.57	3,970.22	-150.51	3,971.43	2.92	-2.89	0.38
14,497.00	89.69	3.19	10,428.20	4,065.14	-146.83	4,066.31	2.32	-1.12	2.03
14,591.00	90.57	4.24	10,427.99	4,158.94	-140.74	4,160.05	1.46	0.94	1.12
14,686.00	88.11	1.61	10,429.08	4,253.80	-135.89	4,254.86	3.79	-2.59	-2.77
14,780.00	88.37	1.61	10,431.97	4,347.72	-133.25	4,348.75	0.28	0.28	0.00
14,875.00	87.85	358.80	10,435.10	4,442.66	-132.91	4,443.68	3.01	-0.55	-2.96
14,969.00	91.45	357.39	10,435.68	4,536.58	-136.03	4,537.63	4.11	3.83	-1.50
15,063.00	93.56	357.30	10,431.57	4,630.39	-140.38	4,631.47	2.25	2.24	-0.10
15,157.00	90.92	358.27	10,427.89	4,724.24	-144.01	4,725.35	2.99	-2.81	1.03
15,252.00	91.63	358.09	10,425.78	4,819.16	-147.03	4,820.30	0.77	0.75	-0.19
15,346.00	89.96	359.32	10,424.48	4,913.13	-149.15	4,914.28	2.21	-1.78	1.31
15,439.00	90.40	359.66	10,424.18	5,006.12	-149.98	5,007.28	0.60	0.47	0.37
15,534.00	90.57	359.85	10,423.38	5,101.12	-150.39	5,102.27	0.27	0.18	0.20
15,629.00	90.48	359.50	10,422.51	5,196.11	-150.92	5,197.27	0.38	-0.09	-0.37
15,724.00	90.57	0.30	10,421.64	5,291.11	-151.09	5,292.26	0.85	0.09	0.84
15,775.00	90.57	0.30	10,421.13	5,342.10	-150.82	5,343.25	0.00	0.00	0.00
Projection									