

Results of Directional Survey

API number:	30-025-40701		
OGRID:		Operator:	BLUESTEM ENERGY HOLDINGS, LLC
		Property:	BOBWHITE 12 # 1H

surface	ULSTR:	C	12	T 21S	R 33E
				275 FNL	1491 FWL

BH Loc	ULSTR:	N	12	T 21S	R 33E
15990	MD	11661.9	TVD	395 FSL	2074 FWL
				4885 FNL	

Top Perf/OH	ULSTR:	C	12	T 21S	R 33E
11246	MD	11195.5	TVD	368 FNL	1748 FWL

Bot Perf/OH	ULSTR:	N	12	T 21S	R 33E
15916	MD	11659.5	TVD	469 FNL	2076 FWL
				4811 FNL	

	MD	N/S	E/W	VD
	11217	-83.34	242.56	11172.34
TOP PERFS/OH	11246	-93.15	257.05	11195.47
	11249	-94.16	258.55	11197.86
	15836	-4456.09	587.96	11656.84
BOT PERFS/OH	15916	-4536.01	585.44	11659.45
	15931	-4551.00	584.97	11659.94

NEXT TO LAST	15931	-4551.00	584.97	11659.94
LAST READING	15990	-4609.94	583.20	11661.89
TD	15990	-4609.94	583.20	11661.89

Surface Location	275	FN	1491	FW
Projected BHL	4885	FN	2074	FW
Location of				
Top Perfs/OH	368	FN	1748	FW
Bottom Perfs/OH	4811	FN	2076	FW

SUMMARY of Subsurface Locations

Surface Location	C-12-21S-33E	275	FN	1491	FW	Vert. Depth
Top Perfs/OH	C-12-21S-33E	368	FN	1748	FW	11195.47
Bottom Perfs/OH	N-12-21S-33E	4811	FN	2076	FW	11659.45
Projected TD	N-12-21S-33E	4885	FN	2074	FW	11661.89

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Company: Bluestem Energy Holdings, LLC Lease / Well: Bobwhite 12 #1H County/Parish: Lea County State: Texas Date: 10/22/2012 API#: 30-025-40701 Dir. Company: N/A	Operator: Daniel West Job Number: SVMO-120022 Gyro Serial #: 4001 Proposed Direction: 0 Mag. Declination: 7.01 East To Grid Rig/RKB: Latshaw #7 Tie-in Company: N/A
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26 ft.

FIELD USE ONLY, DEFINITIVE SURVEY WILL COME FROM MS SURVEY OFFICES

TIE-IN Survey					
Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Coordinates (+N/-S) (+E/-W)	
0.00	0.00	0.00	0.00	0.00	0.00

Digital Multi-Shot Survey Report									
Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Vertical Section	Coordinates (+N/-S) (+E/-W)		Dog-Leg / 100 ft.	Closure Distance	Closure Direction
100.00	0.61	18.59	100.00	0.50	0.50	0.17	0.61	0.53	18.59
200.00	0.88	31.75	199.99	1.66	1.66	0.74	0.32	1.82	24.10
300.00	1.12	22.20	299.97	3.22	3.22	1.52	0.29	3.56	25.22
400.00	1.10	14.39	399.96	5.05	5.05	2.12	0.15	5.48	22.80
500.00	1.10	28.54	499.94	6.83	6.83	2.82	0.27	7.39	22.46
600.00	1.17	12.48	599.92	8.67	8.67	3.50	0.32	9.35	21.99
700.00	0.92	359.93	699.90	10.47	10.47	3.72	0.34	11.11	19.57
800.00	1.04	16.11	799.89	12.14	12.14	3.97	0.30	12.78	18.11
900.00	0.77	359.96	899.87	13.69	13.69	4.22	0.37	14.32	17.15
1000.00	0.09	302.01	999.87	14.40	14.40	4.16	0.73	14.99	16.10
1100.00	0.13	179.94	1099.87	14.33	14.33	4.09	0.19	14.90	15.93
1200.00	0.25	262.79	1199.87	14.19	14.19	3.87	0.27	14.71	15.27
1300.00	0.19	218.87	1299.87	14.03	14.03	3.55	0.17	14.47	14.21
1400.00	0.33	28.51	1399.87	14.15	14.15	3.59	0.52	14.60	14.22
1500.00	0.36	329.98	1499.87	14.68	14.68	3.57	0.34	15.11	13.65
1600.00	0.16	350.51	1599.87	15.09	15.09	3.39	0.22	15.46	12.65
1700.00	0.43	345.13	1699.87	15.59	15.59	3.27	0.27	15.93	11.83
1800.00	0.20	68.70	1799.86	16.02	16.02	3.33	0.45	16.36	11.76
1900.00	0.32	49.28	1899.86	16.26	16.26	3.71	0.15	16.68	12.84
2000.00	1.64	79.63	1999.85	16.70	16.70	5.33	1.37	17.53	17.69
2100.00	1.92	73.35	2099.80	17.44	17.44	8.34	0.34	19.33	25.56
2200.00	2.28	71.99	2199.73	18.53	18.53	11.84	0.36	21.99	32.56
2300.00	2.05	77.04	2299.66	19.55	19.55	15.47	0.30	24.93	38.36
2400.00	2.13	72.16	2399.59	20.52	20.52	18.98	0.20	27.95	42.77
2500.00	1.86	72.53	2499.53	21.58	21.58	22.30	0.27	31.03	45.94
2600.00	2.07	67.08	2599.47	22.77	22.77	25.51	0.28	34.19	48.25
2700.00	2.15	71.49	2699.41	24.07	24.07	28.95	0.18	37.65	50.27
2800.00	1.84	69.25	2799.35	25.23	25.23	32.23	0.32	40.93	51.95
2900.00	2.15	68.71	2899.28	26.48	26.48	35.48	0.31	44.27	53.27
3000.00	1.97	68.63	2999.22	27.79	27.79	38.83	0.18	47.75	54.41
3100.00	2.68	70.98	3099.14	29.18	29.18	42.64	0.72	51.67	55.62
3200.00	3.02	78.04	3199.01	30.48	30.48	47.43	0.49	56.38	57.27
3300.00	3.38	74.80	3298.86	31.80	31.80	52.85	0.40	61.68	58.96
3400.00	3.52	75.97	3398.68	33.32	33.32	58.67	0.16	67.47	60.41
3500.00	2.97	73.68	3498.52	34.79	34.79	64.14	0.56	72.97	61.52
3600.00	3.75	68.63	3598.34	36.71	36.71	69.67	0.83	78.75	62.21
3700.00	3.56	69.34	3698.14	39.00	39.00	75.62	0.20	85.08	62.72
3800.00	3.17	61.32	3797.97	41.42	41.42	80.95	0.61	90.93	62.90
3900.00	3.00	59.08	3897.82	44.09	44.09	85.62	0.21	96.31	62.75
4000.00	2.50	58.18	3997.71	46.59	46.59	89.72	0.50	101.09	62.56
4100.00	1.93	48.44	4097.63	48.85	48.85	92.83	0.68	104.90	62.24
4200.00	1.82	44.89	4197.58	51.10	51.10	95.21	0.16	108.06	61.78
4300.00	2.01	55.35	4297.52	53.22	53.22	97.78	0.40	111.32	61.44
4400.00	2.04	59.99	4397.46	55.11	55.11	100.76	0.17	114.85	61.33
4500.00	1.50	65.39	4497.41	56.54	56.54	103.49	0.56	117.93	61.35
4600.00	1.35	47.83	4597.38	57.88	57.88	105.56	0.46	120.38	61.26
4700.00	2.62	38.74	4697.32	60.45	60.45	107.86	1.30	123.64	60.73
4800.00	2.98	40.40	4797.20	64.21	64.21	110.97	0.37	128.21	59.95
4900.00	3.12	42.34	4897.06	68.20	68.20	114.49	0.17	133.27	59.22
5000.00	2.90	43.24	4996.92	72.06	72.06	118.06	0.23	138.31	58.60
5100.00	2.43	47.68	5096.81	75.33	75.33	121.36	0.51	142.84	58.17
5200.00	2.10	47.50	5196.73	77.99	77.99	124.28	0.33	146.72	57.89
5300.00	1.87	45.79	5296.67	80.37	80.37	126.80	0.24	150.12	57.63
5400.00	0.89	50.85	5396.64	82.00	82.00	128.57	0.99	152.49	57.47

SUR: C-12-21s-33e, 275/N & 1491/W
 BHL: N-12-21s-33e, 4885/N & 2074/W
 API # 30-025-40701

5500.00	0.72	35.68	5496.63	83.00	83.00	129.54	0.27	153.85	57.35
5600.00	0.68	35.16	5596.63	83.99	83.99	130.25	0.04	154.98	57.18
5700.00	0.44	12.06	5696.62	84.85	84.85	130.67	0.32	155.80	57.00
5800.00	0.37	359.67	5796.62	85.55	85.55	130.75	0.11	156.25	56.80
5900.00	0.29	12.55	5896.62	86.12	86.12	130.80	0.11	156.61	56.64
6000.00	0.08	24.97	5996.62	86.43	86.43	130.88	0.21	156.85	56.56
6100.00	0.19	192.89	6096.62	86.33	86.33	130.88	0.27	156.79	56.59
6200.00	0.24	124.36	6196.62	86.05	86.05	131.01	0.25	156.75	56.70
6300.00	0.47	183.13	6296.61	85.53	85.53	131.16	0.40	156.58	56.89
6400.00	0.59	193.19	6396.61	84.62	84.62	131.02	0.15	155.97	57.15
6500.00	0.79	179.52	6496.60	83.42	83.42	130.91	0.26	155.23	57.49
6600.00	0.52	163.16	6596.60	82.30	82.30	131.05	0.33	154.75	57.87
6700.00	0.63	178.42	6696.59	81.32	81.32	131.19	0.19	154.35	58.21
6800.00	0.34	201.28	6796.59	80.49	80.49	131.10	0.34	153.84	58.45
6900.00	0.59	181.49	6896.58	79.70	79.70	130.98	0.29	153.32	58.68
7000.00	0.62	184.54	6996.58	78.65	78.65	130.92	0.04	152.73	59.01
7100.00	0.48	213.01	7096.57	77.76	77.76	130.65	0.30	152.04	59.24
7200.00	0.46	207.76	7196.57	77.05	77.05	130.24	0.05	151.32	59.39
7300.00	1.07	213.87	7296.56	75.92	75.92	129.53	0.61	150.14	59.63
7400.00	1.10	213.18	7396.54	74.34	74.34	128.49	0.03	148.44	59.95
7500.00	1.09	222.56	7496.53	72.84	72.84	127.32	0.18	146.68	60.23
7600.00	1.58	215.98	7596.50	71.02	71.02	125.86	0.51	144.52	60.57
7700.00	1.61	221.64	7696.46	68.85	68.85	124.12	0.16	141.94	60.98
7800.00	1.56	219.90	7796.42	66.76	66.76	122.31	0.07	139.35	61.37
7900.00	1.37	213.78	7896.39	64.72	64.72	120.78	0.25	137.02	61.81
8000.00	1.63	215.16	7996.35	62.57	62.57	119.29	0.26	134.70	62.32
8100.00	1.59	206.18	8096.31	60.16	60.16	117.86	0.26	132.33	62.96
8200.00	1.63	201.67	8196.27	57.59	57.59	116.72	0.13	130.16	63.74
8300.00	1.45	212.86	8296.24	55.21	55.21	115.51	0.35	128.03	64.46
8400.00	1.58	203.35	8396.20	52.88	52.88	114.28	0.28	125.92	65.17
8500.00	1.58	210.01	8496.17	50.42	50.42	113.04	0.18	123.78	65.96
8600.00	1.51	229.36	8596.13	48.37	48.37	111.35	0.52	121.40	66.52
8700.00	1.39	250.87	8696.10	47.11	47.11	109.21	0.55	118.94	66.67
8800.00	1.28	239.56	8796.07	46.15	46.15	107.10	0.28	116.62	66.69
8900.00	1.55	247.29	8896.04	45.06	45.06	104.89	0.33	114.16	66.75
9000.00	1.26	246.88	8996.01	44.11	44.11	102.63	0.29	111.71	66.74
9100.00	1.13	263.91	9095.99	43.57	43.57	100.64	0.38	109.66	66.59
9200.00	0.96	270.52	9195.97	43.47	43.47	98.82	0.21	107.96	66.25
9300.00	0.78	265.96	9295.96	43.43	43.43	97.30	0.19	106.56	65.95
9400.00	0.65	262.81	9395.95	43.31	43.31	96.06	0.14	105.37	65.73
9500.00	0.67	282.90	9495.95	43.37	43.37	94.93	0.23	104.37	65.44
9600.00	0.85	301.14	9595.94	43.89	43.89	93.72	0.30	103.49	64.91
9700.00	0.72	316.13	9695.93	44.72	44.72	92.65	0.24	102.88	64.23
9800.00	0.64	303.33	9795.92	45.48	45.48	91.75	0.17	102.41	63.63
9900.00	1.07	271.89	9895.91	45.82	45.82	90.35	0.62	101.31	63.11
10000.00	1.36	265.61	9995.89	45.76	45.76	88.24	0.32	99.40	62.59
10100.00	1.63	268.17	10095.85	45.62	45.62	85.63	0.28	97.03	61.95
10200.00	1.76	262.33	10195.81	45.37	45.37	82.69	0.22	94.32	61.24
10300.00	2.25	254.25	10295.75	44.64	44.64	79.28	0.56	90.98	60.62
10400.00	2.77	225.11	10395.66	42.40	42.40	75.67	1.36	86.74	60.74
10500.00	2.70	223.75	10495.54	38.99	38.99	72.33	0.10	82.17	61.67
10600.00	2.64	215.99	10595.43	35.43	35.43	69.35	0.37	77.88	62.94
10700.00	2.53	199.90	10695.33	31.49	31.49	67.25	0.73	74.25	64.91
10800.00	2.40	197.90	10795.24	27.42	27.42	65.85	0.16	71.33	67.39
10900.00	2.78	194.30	10895.14	23.08	23.08	64.61	0.41	68.61	70.34
11000.00	2.79	199.98	10995.02	18.44	18.44	63.18	0.28	65.82	73.73
11100.00	3.27	204.07	11094.88	13.55	13.55	61.18	0.53	62.67	77.51
11200.00	2.79	213.95	11194.74	8.93	8.93	58.66	0.71	59.34	81.35
11300.00	3.21	216.31	11294.60	4.65	4.65	55.65	0.44	55.84	85.22
11400.00	2.28	223.16	11394.49	0.94	0.94	52.63	0.98	52.64	88.97
11500.00	1.83	226.01	11494.42	-1.62	-1.62	50.12	0.46	50.14	91.85
11600.00	1.45	223.38	11594.38	-3.64	-3.64	48.10	0.39	48.24	94.33
11700.00	0.94	235.72	11694.36	-5.03	-5.03	46.55	0.57	46.82	96.16
11800.00	1.03	294.48	11794.35	-5.12	-5.12	45.06	0.97	45.35	96.48
11900.00	1.55	309.06	11894.32	-3.89	-3.89	43.19	0.61	43.36	95.15
11930.00	1.55	308.53	11924.31	-3.38	-3.38	42.56	0.05	42.69	94.55



LEAM
Drilling Systems, Inc.

Job Number: MD-121056
Company: Bluestem Energy
Lease/Well: Bob white 12 # 1H
Location: Lea Co
Rig Name: Latshaw 7
RKB: 26
G.L. or M.S.L.: 3777

State/Country: NM/USA
Declination: 7.42
Grid: .43
File name: C:\USERS\LEAM\DESKTOP\BLUEST-1\WINSERVE.SV
Date/Time: 10-Nov-12 / 18:52
Curve Name:

HOBBS OCD

APR 29 2013

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Leam Drilling System

SUR: C-12-21s-33e, 275/N & 1491/W
BHL: N-12-21s-33e, 4885/N & 2074/W
API # 30-025-40701

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 173.54
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
10300.00	2.25	254.25	10295.75	44.64	79.28	-35.44	90.98	60.62	.00
10398.00	2.37	220.21	10393.67	42.57	76.12	-33.74	87.22	60.78	1.38
10524.00	8.53	132.67	10519.17	34.23	81.32	-24.86	88.23	67.17	6.95
10555.00	7.83	131.44	10549.85	31.28	84.59	-21.56	90.19	69.71	2.33
10586.00	7.47	131.44	10580.58	28.54	87.69	-18.50	92.22	71.97	1.16
10618.00	7.21	131.62	10612.31	25.83	90.75	-15.46	94.35	74.11	.82
10649.00	7.03	131.27	10643.08	23.29	93.63	-12.61	96.48	76.03	.60
10681.00	6.68	131.18	10674.85	20.77	96.50	-9.78	98.71	77.85	1.09
10712.00	6.42	132.15	10705.64	18.42	99.14	-7.15	100.84	79.47	.91
10743.00	6.51	132.59	10736.45	16.07	101.72	-4.52	102.98	81.02	.33
10775.00	8.71	129.16	10768.16	13.31	104.93	-1.42	105.78	82.77	7.02
10806.00	11.34	125.82	10798.69	10.05	109.23	2.31	109.69	84.75	8.69
10837.00	13.81	123.44	10828.94	6.22	114.79	6.73	114.96	86.90	8.14
10869.00	15.30	123.88	10859.91	1.76	121.48	11.91	121.49	89.17	4.67
10900.00	16.00	124.94	10889.76	-2.96	128.38	17.39	128.41	91.32	2.44
10932.00	18.20	125.64	10920.35	-8.40	136.05	23.66	136.31	93.53	6.90
10963.00	19.61	125.73	10949.68	-14.26	144.21	30.39	144.92	95.65	4.55
10994.00	21.54	126.70	10978.70	-20.70	153.00	37.78	154.39	97.70	6.32
11026.00	23.57	126.61	11008.25	-28.03	162.85	46.17	165.24	99.77	6.34
11057.00	26.29	125.47	11036.36	-35.71	173.41	54.99	177.05	101.64	8.91
11089.00	29.11	125.38	11064.69	-44.33	185.53	64.92	190.76	103.44	8.81
11120.00	31.04	124.94	11091.51	-53.27	198.24	75.24	205.27	105.04	6.27
11151.00	32.45	124.06	11117.87	-62.51	211.68	85.93	220.71	106.45	4.79
11183.00	34.21	123.97	11144.61	-72.34	226.25	97.34	237.54	107.73	5.50
11217.00	36.49	123.98	11172.34	-83.34	242.56	110.10	256.48	108.96	6.71

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
11249.00	37.72	124.21	11197.86	-94.16	258.55	122.65	275.16	110.01	3.87
11279.00	39.48	124.38	11221.30	-104.70	274.01	134.87	293.33	110.91	5.88
11310.00	40.89	125.51	11244.99	-116.16	290.40	148.10	312.78	111.80	5.12
11342.00	42.38	128.25	11268.90	-128.93	307.40	162.69	333.34	112.75	7.35
11373.00	45.37	129.46	11291.25	-142.41	324.13	177.97	354.03	113.72	10.02
11405.00	46.60	130.50	11313.48	-157.19	341.76	194.65	376.18	114.70	4.50
11436.00	48.54	132.39	11334.40	-172.34	358.91	211.63	398.14	115.65	7.71
11467.00	50.65	134.54	11354.49	-188.58	376.03	229.69	420.67	116.63	8.61
11499.00	53.64	136.01	11374.13	-206.54	393.80	249.53	444.68	117.68	10.02
11530.00	55.75	137.96	11392.04	-225.04	411.06	269.85	468.62	118.70	8.52
11562.00	57.95	140.04	11409.54	-245.26	428.62	291.92	493.83	119.78	8.77
11593.00	59.79	142.43	11425.57	-265.95	445.23	314.35	518.61	120.85	8.88
11624.00	62.87	144.99	11440.44	-287.87	461.32	337.95	543.77	121.96	12.30
11656.00	64.72	147.76	11454.58	-311.78	477.21	363.49	570.03	123.16	9.68
11687.00	66.30	151.37	11467.43	-336.10	491.49	389.26	595.42	124.37	11.76
11718.00	68.24	154.24	11479.41	-361.53	504.55	416.00	620.71	125.62	10.59
11750.00	68.85	156.94	11491.12	-388.64	516.86	444.33	646.67	126.94	8.08
11781.00	71.23	159.27	11501.70	-415.68	527.72	472.41	671.77	128.23	10.43
11812.00	72.55	161.70	11511.34	-443.45	537.56	501.11	696.86	129.52	8.58
11844.00	72.55	164.14	11520.93	-472.63	546.52	531.11	722.54	130.85	7.27
11875.00	74.66	166.27	11529.68	-501.38	554.11	560.54	747.28	132.14	9.47
11907.00	77.21	168.96	11537.46	-531.69	560.77	591.41	772.76	133.48	11.40
11938.00	79.93	170.82	11543.60	-561.60	566.10	621.72	797.41	134.77	10.56
11970.00	83.10	172.73	11548.33	-592.92	570.62	653.35	822.90	136.10	11.53
12001.00	84.77	175.94	11551.60	-623.59	573.66	684.17	847.32	137.39	11.62
12033.00	85.30	177.00	11554.37	-655.41	575.63	716.01	872.30	138.71	3.69
12064.00	86.97	177.69	11556.46	-686.30	577.06	746.87	896.67	139.94	5.83
12096.00	88.11	178.03	11557.83	-718.25	578.25	778.75	922.10	141.16	3.72
12128.00	89.25	178.13	11558.57	-750.22	579.32	810.64	947.87	142.32	3.58
12222.00	88.55	178.35	11560.38	-844.16	582.21	904.31	1025.46	145.41	.78
12316.00	87.85	179.48	11563.33	-938.10	583.99	997.84	1105.02	148.10	1.41
12410.00	87.85	179.69	11566.86	-1032.03	584.67	1091.26	1186.14	150.47	.22
12504.00	87.32	178.94	11570.82	-1125.94	585.79	1184.69	1269.21	152.51	.98
12598.00	88.29	179.39	11574.42	-1219.86	587.16	1278.17	1353.81	154.30	1.14
12692.00	88.64	179.03	11576.93	-1313.81	588.46	1371.68	1439.58	155.87	.53
12786.00	88.72	179.57	11579.10	-1407.78	589.61	1465.18	1526.26	157.28	.58
12880.00	87.93	180.22	11581.85	-1501.74	589.78	1558.56	1613.40	158.56	1.09
12975.00	88.29	179.97	11584.98	-1596.69	589.62	1652.89	1702.08	159.73	.46
13069.00	88.64	179.49	11587.50	-1690.65	590.06	1746.30	1790.66	160.76	.63
13163.00	88.80	179.55	11589.60	-1784.62	590.85	1839.77	1879.89	161.68	.18
13258.00	88.20	180.19	11592.09	-1879.59	591.07	1934.16	1970.34	162.54	.92
13352.00	89.60	180.77	11593.89	-1973.57	590.28	2027.45	2059.95	163.35	1.61
13436.00	90.31	180.91	11593.96	-2057.56	589.05	2110.77	2140.22	164.02	.86
13565.00	90.66	180.49	11592.86	-2186.54	587.47	2238.76	2264.09	164.96	.42
13660.00	89.96	180.49	11592.35	-2281.54	586.66	2333.06	2355.76	165.58	.74

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
13754.00	88.72	180.13	11593.43	-2375.53	586.15	2426.39	2446.77	166.14	1.37
13849.00	89.52	179.96	11594.89	-2470.52	586.08	2520.77	2539.08	166.65	.86
13943.00	89.25	178.55	11595.90	-2564.50	587.30	2614.29	2630.89	167.10	1.53
14037.00	87.23	179.61	11598.79	-2658.44	588.81	2707.80	2722.86	167.51	2.43
14131.00	88.02	179.43	11602.68	-2752.35	589.59	2801.21	2814.79	167.91	.86
14225.00	88.99	178.90	11605.14	-2846.31	590.96	2894.73	2907.01	168.27	1.18
14320.00	88.55	179.78	11607.17	-2941.28	592.06	2989.22	3000.28	168.62	1.04
14414.00	88.02	179.78	11609.99	-3035.24	592.42	3082.62	3092.51	168.96	.56
14508.00	88.55	179.61	11612.80	-3129.19	592.92	3176.03	3184.87	169.27	.59
14604.00	89.16	179.08	11614.72	-3225.17	594.02	3271.52	3279.41	169.56	.84
14701.00	88.64	179.26	11616.58	-3322.14	595.42	3368.04	3375.07	169.84	.57
14796.00	88.46	180.84	11618.99	-3417.10	595.34	3462.39	3468.58	170.12	1.67
14891.00	89.52	180.49	11620.66	-3512.08	594.23	3556.64	3562.00	170.40	1.18
14985.00	90.31	180.13	11620.80	-3606.08	593.73	3649.98	3654.63	170.65	.92
15080.00	89.16	179.96	11621.24	-3701.08	593.65	3744.37	3748.39	170.89	1.22
15176.00	88.72	179.96	11623.02	-3797.06	593.72	3839.75	3843.20	171.11	.46
15270.00	86.97	179.61	11626.55	-3890.99	594.07	3933.12	3936.08	171.32	1.90
15364.00	87.49	179.96	11631.09	-3984.88	594.42	4026.46	4028.97	171.52	.67
15458.00	86.53	180.49	11636.00	-4078.75	594.05	4119.69	4121.78	171.71	1.17
15553.00	86.79	179.96	11641.53	-4173.59	593.68	4213.88	4215.60	171.90	.62
15648.00	86.44	181.19	11647.14	-4268.41	592.73	4308.00	4309.37	172.09	1.34
15742.00	86.79	181.37	11652.69	-4362.23	590.63	4400.98	4402.03	172.29	.42
15836.00	88.15	181.89	11656.84	-4456.09	587.96	4493.95	4494.72	172.48	1.55
15931.00	88.11	181.72	11659.94	-4551.00	584.97	4587.92	4588.44	172.68	.18
Projection To bit									
15990.00	88.11	181.72	11661.89	-4609.94	583.20	4646.28	4646.68	172.79	.00