Realtime Log

Natural Formation Evaluation
Gamma Ray

BAKER HUGHES

Scale: 1:240

TRUE VERTICAL DEPTH

Status: FIELD PRINT

API Number: 05-123-36122

Company: Anadarko Oil & Gas LP
Well: Shurview 13N-3HZ
Field: Weld County (Kerr McGee)
Region: Continental US **Country:** United States

Surface Location:
Latitude: 40° 25' 36.448" N
Longitude: 104° 52' 22.116" W
Section: 3 TWN: 5N Range: 67E

Other Services:
Directional

Elevations:
KB: 4905.00 ft.
DF: 0.00 ft.
GL: 4888.00 ft.

Permanent Datum (P.D.): Ground Level Elevation:
Log Measured From: Kelly Bushing 4905.00 ft. 17.00 ft. Above P.D.
Depth Reference: Driller's Depth

Interval Logged		Dates		Magnetic Field Reference			
Top:	6540.0 ft.	Date From:	04/Apr/13	Dip Angle:	66.97 °	Azi Reference North:	True
Bottom:	11325.0 ft.	Date To:	12/Apr/13	Total		Mag to Reference	
		Spud Date:	02/Apr/13	Field Strength:	52848.9 nT	North Correction:	8.73 °

Borehole Record

Hole Size	From	To
13.500 in.	Surface	1317.0 ft.
8.500 in.	1317.0 ft.	7518.0 ft.
6.125 in.	7518.0 ft.	11325.0 ft.

Casing Record

Size	Weight	From	To
9.600 in.	36.00 lb/ft	Surface	1307.0 ft.
7.000 in.	26.00 lb/ft	Surface	7503.0 ft.

Mud Record

Type	From	To
Water Based	Surface	1317.0 ft.
Water Based	1317.0 ft.	7518.0 ft.
Water Based	7518.0 ft.	11325.0 ft.

Deviation Record

Hole Size	Interval	Inc / Az (Start)	Inc / Az (End)
13.500 in.	Surface	0.0 ° / 0.0 °	0.1 ° / 180.5 °
8.500 in.	Vertical	0.1 ° / 180.5 °	0.9 ° / 294.2 °
8.500 in.	Curve	0.9 ° / 294.2 °	80.8 ° / 268.8 °
6.125 in.	Lateral	80.8 ° / 268.8 °	90.5 ° / 270.0 °
		/	/
		/	/

Acquisition System	Software Version	Other	
Advantage	2.2004	Rig: / Contractor:	Xtreme 8 / Xtreme Coil Drilling
PATS	6.4.1.34	Job No:	5325436
		District: / Unit:	Rocky Mountains /

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Log Run Summary

LWD Run No.	BHA Run No.	Bit Run No.	Bit Size (in.)	Bit Type	Bit Gauge Length (in.)	Assembly Type	Logged Interval Top (m.)	Logged Interval Bottom (m.)	Bit Depth Interval From (m.)	Bit Depth Interval To (m.)	Date / Time Start	Date / Time End	Circ. Time (hrs.)
1	1	2	8.500	PDC	3.000	Steer Bent Sub	6480.0	6758.0	1317.0	6823.0	02/Apr/2013 19:30	05/Apr/2013 22:15	55.6
2	2	3	8.500	PDC	3.000	Steer Bent Sub	6758.0	7458.0	6823.0	7518.0	05/Apr/2013 20:36	07/Apr/2013 18:36	19.75
3	3	4	6.125	PDC	4.500	Steer Bent Sub	7458.0	11259.0	7518.0	11325.0	09/Apr/2013 23:30	12/Apr/2013 09:19	32.99

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Nicholas Roosen	01 Apr 2013	12 Apr 2013	Kevin Sheridan	01 Apr 2013	11 Apr 2013	Gregory Dore	11 Apr 2013	12 Apr 2013

Mud Properties Record

Date / Time	LWD Run No.	Measured Depth (m.)	Mud Type	Density (sg)	Viscosity (cp)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
04/Apr/20132 22:30	2	6628.0	Water Based	9.5	35	9.0	0.0	0/94	Mud Pit	1700	0.0
10/Apr/2013 22:30	3	9890.0	Water Based	9.6	40	8.5	0.0	0/95	Mud Pit	1400	0.0

Mud Resistivity Record

Date / Time	LWD Run No.	Measured Depth (m.)	Surface Temp (deg C)	Surface Rm (ohm.m)	Surface Rmf (ohm.m)	Surface Rmc (ohm.m)	BHCT (deg C)	Downhole Rm @ BHCT (ohm.m)	Downhole Rmf @ BHCT (ohm.m)	Downhole Rmc @ BHCT (ohm.m)
10/Apr/2013 16:56	3	7600.0	77	1.00	N/A	N/A	172	0.46	N/A	N/A
11/Apr/2013 09:36	3	9976.0	69	1.08	N/A	N/A	204	0.38	N/A	N/A
11/Apr/2013 23:24	3	11325.0	71	1.04	N/A	N/A	206	0.37	N/A	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent, 0.5 ft. Avg	API
TCDX	Downhole Temperature	degF
ROP_AVG	Rate of Penetration, 3.0 ft. Avg	ft/hr
WOB_AVG	Surface Weight on Bit, 1.0 ft. Avg	klbs

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (m.)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	12456790	Directional	64.33	6.750	0.000
1	SRIG	12595022	Gamma	59.29	6.750	0.000
2	DIR	10307183	Directional	60.01	6.750	0.000
2	SRIG	12679494	Gamma	56.63	6.750	0.000

Service and Tool Mnemonics

Mnemonic	Name	Description
DIR	Directional	Wellbore directional survey
SRIG	Inclination and Gamma	Probe based gamma ray and inclination module

Comments

(1) Baker Hughes INTEQ run 1 and 2 utilized 6 1/2 inch NaviGamma services (Gamma Ray and Directional) behind an 8 3/4 inch bit and steerable assembly from 1317 to 6823 feet MD (1317 to 6593 feet TVD)

Remarks

Number	Measured Depth (m.)	Hole Section (in.)	LWD Run No.	Remark
1	6540	8.750	1	The interval from 6758 to 6823 feet MD (6232 to 6593 feet TVD) was logged up to 15.5 hours after being drilled due to a trip out of the hole for a higher degree bend motor, to increase build rates in curve.
2	7500	6.125	2	The interval from 7458 to 7518 feet MD (6971 to 6979 feet TVD) was logged up to 60 hours after being drilled due to a trip out of the hole for casing and cement operations and picking up the lateral assembly.

BAKER HUGHES

Company : Anadarko Oil & Gas LP
Well : Shurview 13N-3HZ
Interval : 6250.00 - 6990.00 feet
Created : 07/Apr/2013 8:16:29 AM

Gamma Ray Apparent 0.5 ft Avg GRAX
0
150
API
TVD feet 1:240
Rate of Penetration 3.0 ft Avg ROP_AVG
500
0
ft/hr
Surface Weight On Bit 1.0 ft Avg WOB_AVG
0
150
klbf
Downhole Temperature TCDX
100
350
degF
GRAX
ROP_AVG
WOB_AVG
TCDX
> Run 1
6300
6400
6500
Run 1 <> Run 2
See Remark 1
6600
6700
6800
6900
Run 2 <
7" Casing
See Remark 2
GRAX
ROP_AVG
TCDX
WOB_AVG
Gamma Ray Apparent 0.5 ft Avg GRAX
0
150
API
TVD feet 1:240
Rate of Penetration 3.0 ft Avg ROP_AVG
500
0
ft/hr
Surface Weight On Bit 1.0 ft Avg WOB_AVG
0
150
klbf
Downhole Temperature TCDX
100
350
degF

ADVANTAGE Final Survey Listing

Operator : Anadarko Oil & Gas LP
Well : Shurview 13N-3HZ
Wellbore : Shurview 13N-3HZ Orig Hole
Field : Weld County (Kerr McGee)
Rig : Xtreme 8
API No : 05-123-36122
Job : 5325436

Well Origin

Latitude	40.4268 deg	Longitude	-104.8728 deg
North Reference	True	Drill Depth Zero	NULL
Vertical Datum is	RKB	Vertical Datum to DDZ	0.00 ft
Vertical Section North	0.00 ft	Vertical Section East	0.00 ft
Vertical Section Azimuth	266.8000 deg	Vertical Section Depth	0.00ft
Grid Convergence	0.0000 deg	Magnetic Declination	8.7291 deg
Total Correction	8.7291 deg	TVD Calculation Method	Minimal Curvature
D-Raw Calculation	None	Local Magnetic Field	52849 nT
Local Magnetic Dip Angle	66.9647 deg	Local Gravity Field	9.798 m/s^2

Tie	MD ft	Incl deg	Azim deg	North ft	East ft	TVD ft	VS ft	Incr VS ft	Crs Len ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft
U	1217.00	0.1000	180.5000	0.23	0.32	1216.99	0.00	0.00				
	1333.00	0.0300	191.2500	0.10	0.31	1332.99	-0.32	0.13	116.00	0.06	-0.06	9.27
	1388.00	0.4400	192.9100	-0.12	0.26	1387.99	-0.26	0.36	55.00	0.75	0.75	3.02
	1479.00	2.2600	173.4700	-2.24	0.39	1478.96	-0.26	2.48	91.00	2.03	2.00	-21.36
	1570.00	2.9300	140.4600	-5.82	2.07	1569.87	-1.75	6.44	91.00	1.77	0.74	-36.27
	1661.00	4.2100	164.6300	-10.84	4.44	1660.70	-3.83	11.98	91.00	2.14	1.41	26.56
	1751.00	5.9000	168.7500	-18.56	6.22	1750.35	-5.17	19.91	90.00	1.92	1.88	4.58
	1842.00	8.0200	171.8000	-29.43	8.04	1840.67	-6.38	30.93	91.00	2.36	2.33	3.35
	1931.00	9.5700	172.9800	-42.92	9.83	1928.62	-7.42	44.54	89.00	1.75	1.74	1.33
	2023.00	12.6300	165.6700	-60.26	13.25	2018.89	-9.87	62.21	92.00	3.65	3.33	-7.95
	2113.00	14.6500	161.7700	-80.60	19.25	2106.35	-14.72	83.42	90.00	2.46	2.24	-4.33
	2199.00	16.2800	159.6900	-102.24	26.83	2189.24	-21.09	106.35	86.00	2.00	1.90	-2.42
	2284.00	18.0100	158.4000	-125.63	35.81	2270.46	-28.74	131.41	85.00	2.08	2.04	-1.52
	2369.00	19.7300	159.6500	-151.31	45.64	2350.89	-37.12	156.89	85.00	2.08	2.02	1.47
	2455.00	20.6200	164.3900	-179.50	54.76	2431.61	-44.65	186.53	86.00	2.16	1.03	5.51
	2540.00	21.2600	164.6600	-208.78	62.86	2511.00	-51.11	216.91	85.00	0.76	0.75	0.32
	2625.00	21.8200	164.4700	-238.86	71.17	2590.06	-57.73	250.12	85.00	0.66	0.66	-0.22
	2710.00	21.4400	158.7500	-268.56	81.03	2669.09	-65.91	281.41	85.00	2.52	-0.45	-6.73
	2796.00	20.7600	151.8700	-296.66	93.92	2749.33	-77.21	312.32	86.00	2.98	-0.79	-8.00
	2881.00	20.9900	150.2600	-323.16	108.57	2828.75	-90.36	342.61	85.00	0.73	0.27	-1.89
	2966.00	20.5600	150.1600	-349.33	123.55	2908.23	-103.86	372.76	85.00	0.51	-0.51	-0.12
	3051.00	19.2400	149.9800	-374.40	137.98	2988.15	-116.87	401.69	85.00	1.55	-1.55	-0.21
	3137.00	20.1400	151.2400	-399.65	152.20	3069.12	-129.65	430.66	86.00	1.16	1.05	1.47
	3222.00	21.3600	152.7400	-426.24	166.33	3148.61	-142.27	460.77	85.00	1.57	1.44	1.76
	3307.00	19.9900	152.8900	-452.93	180.04	3228.13	-154.47	490.78	85.00	1.61	-1.61	0.18
	3392.00	18.3700	151.1700	-477.60	193.12	3308.41	-166.16	518.71	85.00	2.02	-1.91	-2.02
	3478.00	18.9200	150.4900	-501.61	206.52	3389.90	-178.20	546.20	86.00	0.69	0.64	-0.79
	3563.00	19.1200	154.0900	-526.12	219.39	3470.26	-189.68	573.89	85.00	1.40	0.24	4.24
	3648.00	20.7300	156.7600	-552.47	231.41	3550.17	-200.21	602.85	85.00	2.18	1.89	3.14
	3733.00	23.5400	157.2200	-581.95	243.92	3628.90	-211.06	634.87	85.00	3.31	3.31	0.54
	3819.00	24.6600	157.9100	-614.41	257.32	3707.40	-222.62	669.99	86.00	1.34	1.30	0.80
	3904.00	24.7500	157.1900	-647.24	270.89	3784.62	-234.33	705.51	85.00	0.37	0.11	-0.85
	3989.00	21.6700	152.0200	-677.51	285.15	3862.74	-246.89	738.97	85.00	4.34	-3.62	-6.08
	4075.00	20.5200	150.7300	-704.68	299.97	3942.97	-260.17	769.93	86.00	1.44	-1.34	-1.50
	4160.00	18.7000	151.6000	-729.67	313.74	4023.04	-272.52	798.45	85.00	2.17	-2.14	1.02
	4245.00	19.4800	152.6600	-754.24	326.73	4103.37	-284.12	826.25	85.00	1.00	0.92	1.25
	4331.00	18.8200	152.6500	-779.30	339.69	4184.61	-295.66	854.46	86.00	0.77	-0.77	-0.01
	4416.00	20.3000	154.1900	-804.76	352.41	4264.70	-306.93	882.91	85.00	1.84	1.74	1.81
	4501.00	20.4200	153.7100	-831.32	365.39	4344.39	-318.42	912.49	85.00	0.24	0.14	-0.56
	4586.00	19.9800	155.1500	-857.80	378.06	4424.16	-329.59	941.84	85.00	0.78	-0.52	1.69
	4672.00	19.2200	154.1100	-883.86	390.42	4505.18	-340.47	970.68	86.00	0.97	-0.88	-1.21
	4757.00	18.5900	155.5900	-908.79	402.13	4585.59	-350.77	998.22	85.00	0.93	-0.74	1.74
	4842.00	19.1600	156.9100	-933.96	413.20	4666.02	-360.42	1025.72	85.00	0.84	0.67	1.55
	4928.00	20.5000	157.4500	-960.85	424.51	4746.92	-370.21	1054.89	86.00	1.57	1.56	0.63
	5013.00	20.0100	157.8600	-988.07	435.70	4826.66	-379.86	1084.32	85.00	0.60	-0.58	0.48
	5098.00	19.1000	156.3500	-1014.28	446.76	4906.76	-389.44	1112.76	85.00	1.22	-1.07	-1.78
	5184.00	17.7300	157.0900	-1039.23	457.50	4988.36	-398.78	1139.93	86.00	1.62	-1.59	0.86
	5269.00	17.1900	152.9300	-1062.34	468.25	5069.44	-408.22	1165.42	85.00	1.60	-0.64	-4.89
	5354.00	18.1900	150.2400	-1085.04	480.56	5150.42	-419.24	1191.24	85.00	1.52	1.18	-3.16
	5440.00	18.0900	149.1800	-1108.16	494.06	5232.15	-431.43	1218.01	86.00	0.40	-0.12	-1.23
	5525.00	16.4700	148.4300	-1129.76	507.13	5313.31	-443.28	1243.26	85.00	1.92	-1.91	-0.88
	5610.00	14.2000	146.5200	-1148.72	519.19	5395.28	-454.26	1265.74	85.00	2.74	-2.67	-2.25
	5696.00	12.5800	146.7700	-1165.36	530.14	5478.94	-464.27	1285.65	86.00	1.88	-1.88	0.29
	5781.00	12.6200	151.0500	-1181.22	539.71	5561.89	-472.93	1304.18	85.00	1.10	0.05	5.04
	5866.00	11.4100	149.8900	-1196.62	548.42	5645.03	-480.77	1321.87	85.00	1.45	-1.42	-1.36
	5951.00	10.0400	148.2500	-1210.20	556.54	5728.54	-488.12	1337.69	85.00	1.65	-1.61	-1.93
	6037.00	8.7300	148.1000	-1222.11	563.93	5813.39	-494.84	1351.71	86.00	1.52	-1.52	-0.17
	6122.00	7.3300	146.1800	-1232.09	570.36	5897.56	-500.70	1363.58	85.00	1.68	-1.65	-2.26
	6208.00	6.6200	143.1700	-1240.62	576.39	5982.92	-506.24	1374.02	86.00	0.93	-0.83	-3.50
	6293.00	4.8000	145.3900	-1247.47	581.34	6067.49	-510.80	1382.48	85.00	2.16	-2.14	2.61
	6378.00	3.0000	156.1800	-1252.43	584.26	6152.29	-513.44	1388.24	85.00	2.28	-2.12	12.69
	6463.00	1.0200	156.2100	-1255.16	585.47	6237.24	-514.49	1391.22	85.00	2.33	-2.33	0.04
	6548.00	0.8700	294.1900	-1255.59	585.18	6322.23	-514.18	1391.73	85.00	2.08	-0.18	162.33
	6591.00	3.2400	274.5300	-1255.36	583.67	6365.20	-512.69	1393.26	43.00	5.67	5.51	-45.72
	6634.00	5.7900	262.7300	-1255.54	580.31	6408.07	-509.32	1396.63	43.00	6.28	5.93	-27.44
	6676.00	8.6400	261.5800	-1256.27	575.09	6449.73	-504.06	1401.90	42.00	6.79	6.79	-2.74
	6719.00	10.8200	260.3500	-1257.42	567.91	6492.11	-496.84	1409.17	43.00	5.09	5.07	-2.86
	6762.00	12.6300	260.0900	-1258.90	559.30	6534.21	-488.16	1417.90	43.00	4.21	4.21	-0.60
	6786.00	13.8700	260.6100	-1259.82	553.88	6557.57	-482.69	1423.40	24.00	5.19	5.17	2.17
	6828.00	17.0100	259.9400	-1261.72	542.86	6598.05	-471.58	1434.58	42.00	7.49	7.48	-1.60
	6871.00	21.4300	259.8500	-1264.20	528.93	6638.64	-457.53	1448.74	43.00	10.28	10.28	-0.21
	6914.00	26.5600	257.5500	-1267.66	511.80	6677.91	-440.24	1466.21	43.00	12.12	11.93	-5.35
	6956.00	30.8200	255.7200	-1272.34	492.19	6714.75	-420.40	1486.37	42.00	10.36	10.14	-4.36
	6999.00	35.5700	254.2800	-1278.45	469.46	6750.72	-397.37	1509.90	43.00	11.20	11.05	-3.35
	7042.00	40.7000	253.4900	-1285.83	443.97	6784.53	-371.50	1536.45	43.00	11.98	11.93	-1.84
	7084.00	46.0300	255.1200	-1293.81	416.21	6815.06	-343.35	1565.27	42.00	12.97	12.69	3.88
	7127.00	51.5500	256.5900	-1301.49	384.85	6843.38	-311.60	1597.61	43.00	13.09	12.84	3.42
	7170.00	56.7700	258.9600	-1308.85	350.79	6868.55	-277.18	1632.45	43.00	12.93	12.14	5.51
	7212.00	60.5400	261.3700	-1314.96	315.46	6890.39	-241.56	1668.31	42.00	10.23	8.98	5.74
	7255.00	62.5800	262.2400	-1320.34	278.04	6910.87	-203.90	1706.12	43.00	5.07	4.74	2.02
	7297.00	67.0900	262.1500	-1325.50	240.38	6928.73	-166.02	1744.12	42.00	10.74	10.74	-0.21
	7340.00	72.3400	263.1700	-1330.65	200.40	6943.63	-125.80	1784.44	43.00	12.41	12.21	2.37
	7383.00	75.1800	266.6300	-1334.31	159.29	6955.66	-84.55	1825.71	43.00	10.16	6.60	8.05
	7425.00	77.7300	268.6500	-1335.99	118.49	6965.49	-43.73	1866.54	42.00	7.66	6.07	4.81
	7455.00	80.8500	268.7900	-1336.65	89.03	6971.07	-14.27	1896.01	30.00	10.41	10.40	0.47
	7553.00	87.1700	270.9600	-1336.85	-8.38	6981.29	82.99	1993.42	98.00	6.81	6.45	2.21
	7638.00	88.0600	270.4700	-1335.79	-93.30	6984.83	167.72	2078.35	85.00	1.20	1.05	-0.58
	7723.00	90.9100	268.5100	-1336.54	-178.28	6985.59	252.61	2163.33	85.00	4.07	3.35	-2.31
	7809.00	90.3100	264.1400	-1342.06	-264.08	6984.68	338.58	2249.31	86.00	5.13	-0.70	-5.08
	7894.00	90.7400	263.7100	-1351.05	-348.60	6983.90	423.47	2334.30	85.00	0.72	0.51	-0.51
	7979.00	90.7100	263.6300	-1360.42	-433.07	6982.82	508.34	2419.30	85.00	0.10	-0.04	-0.09
	8064.00	91.1400	263.2200	-1370.15	-517.50	6981.45	593.18	2504.28	85.00	0.70	0.51	-0.48
	8149.00	91.4300	262.7300	-1380.55	-601.84	6979.54	677.97	2589.26	85.00	0.67	0.34	-0.58
	8235.00	90.6500	263.7200	-1390.69	-687.23	6977.98	763.78	2675.25	86.00	1.47	-0.91	1.15
	8320.00	89.3900	264.8000	-1399.19	-771.80	6977.95	848.70	2760.24	85.00	1.95	-1.48	1.27
	8405.00	88.5200	266.5200	-1405.62	-856.53	6979.50	933.66	2845.23	85.00	2.27	-1.02	2.02
	8490.00	89.6900	267.2200	-1410.26	-941.40	6980.83	1018.65	2930.21	85.00	1.60	1.38	0.82
	8576.00	90.3100	267.2000	-1414.45	-1027.29	6980.83	1104.65	3016.21	86.00	0.72	0.72	-0.02
	8661.00	89.1700	266.8500	-1418.86	-1112.18	6981.22	1189.64	3101.21	85.00	1.40	-1.34	-0.41
	8746.00	88.8000	265.9800	-1424.17	-1197.00	6982.72	1274.63	3186.20	85.00	1.11	-0.44	-1.02
	8831.00	88.0600	265.9600	-1430.14	-1281.75	6985.05	1359.59	3271.16	85.00	0.87	-0.87	-0.02
	8917.00	89.6900	265.6200	-1436.46	-1367.50	6986.74	1445.55	3357.14	86.00	1.94	1.90	-0.40
	9002.00	89.4100	267.6600	-1441.44	-1452.35	6987.41	1530.55	3442.14	85.00	2.42	-0.33	2.40
	9088.00	89.6600	268.6500	-1444.21	-1538.30	6988.11	1616.52	3528.13	86.00	1.19	0.29	1.15
	9173.00	89.7500	269.9900	-1445.22	-1623.29	6988.54	1701.43	3613.13	85.00	1.58	0.11	1.58
	9258.00	90.2500	270.1400	-1445.12	-1708.29	6988.54	1786.30	3698.13	85.00	0.61	0.59	0.18
	9343.00	90.6100	270.6500	-1444.53	-1793.29	6987.91	1871.13	3783.13	85.00	0.73	0.42	0.60
	9429.00	91.3900	269.3600	-1444.53	-1879.27	6986.40	1956.97	3869.11	86.00	1.75	0.91	-1.50
	9514.00	90.2200	268.5400	-1446.08	-1964.24	6985.21	2041.90	3954.10	85.00	1.68	-1.38	-0.96
	9599.00	90.5900	268.5100	-1448.27	-2049.21	6984.61	2126.86	4039.10	85.00	0.44	0.44	-0.04
	9685.00	89.7800	268.3400	-1450.63	-2135.18	6984.33	2212.83	4125.10	86.00	0.96	-0.94	-0.20
	9770.00	89.4400	267.7500	-1453.53	-2220.13	6984.91	2297.81	4210.09	85.00	0.80	-0.40	-0.69
	9855.00	89.8500	268.5200	-1456.30	-2305.08	6985.44	2382.78	4295.09	85.00	1.03	0.48	0.91
	9940.00	88.3300	267.7800	-1459.04	-2390.02	6986.79	2467.74	4380.08	85.00	1.99	-1.79	-0.87
	10026.00	87.8700	267.9000	-1462.28	-2475.91	6989.64	2553.68	4466.03	86.00	0.55	-0.53	0.14
	10111.00	87.6200	267.4000	-1465.77	-2560.78	6992.98	2638.61	4550.96	85.00	0.66	-0.29	-0.59
	10196.00	88.6100	267.5100	-1469.54	-2645.65	6995.78	2723.55	4635.92	85.00	1.17	1.16	0.13
	10282.00	88.8300	268.1900	-1472.76	-2731.56	6997.70	2809.52	4721.90	86.00	0.83	0.26	0.79
	10367.00	88.7000	267.8700	-1475.69	-2816.49	6999.53	2894.48	4806.88	85.00	0.41	-0.15	-0.38
	10452.00	88.3300	268.2800	-1478.54	-2901.42	7001.73	2979.43	4891.85	85.00	0.65	-0.44	0.48
	10537.00	89.7800	267.9400	-1481.34	-2986.36	7003.14	3064.39	4976.83	85.00	1.75	1.71	-0.40
	10623.00	90.0600	267.9700	-1484.41	-3072.30	7003.26	3150.37	5062.83	86.00	0.33	0.33	0.03
	10708.00	90.3700	267.9500	-1487.44	-3157.25	7002.94	3235.35	5147.83	85.00	0.37	0.36	-0.02
	10793.00	88.4900	267.8000	-1490.59	-3242.18	7003.78	3320.33	5232.82	85.00	2.22	-2.21	-0.18
	10878.00	88.3000	267.8700	-1493.80	-3327.09	7006.16	3405.28	5317.79	85.00	0.24	-0.22	0.08
	10964.00	89.0200	267.9000	-1496.97	-3413.00	7008.17	3491.25	5403.77	86.00	0.84	0.84	0.03
	11049.00	91.0400	269.5400	-1498.87	-3497.98	7008.13	3576.19	5488.76	85.00	3.06	2.38	1.93
	11134.00	91.4500	269.4700	-1499.60	-3582.95	7006.28	3661.08	5573.74	85.00	0.49	0.48	-0.08
	11220.00	90.5800	269.8700	-1500.10	-3668.94	7004.76	3746.95	5659.72	86.00	1.11	-1.01	0.47
	11258.00	90.5200	270.0000	-1500.14	-3706.93	7004.40	3784.89	5697.72	38.00	0.38	-0.16	0.34
Projection to TD:												
	11325.00	90.5200	270.0000	-1500.14	-3773.93	7003.79	3851.79	5764.72	67.00	0.00	0.00	0.00