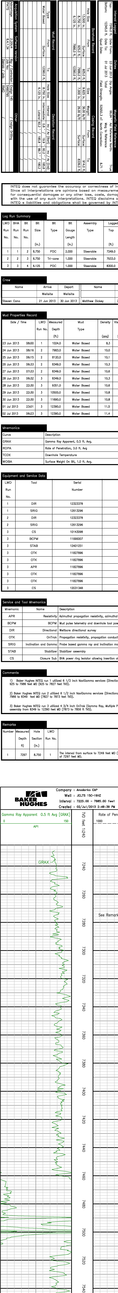

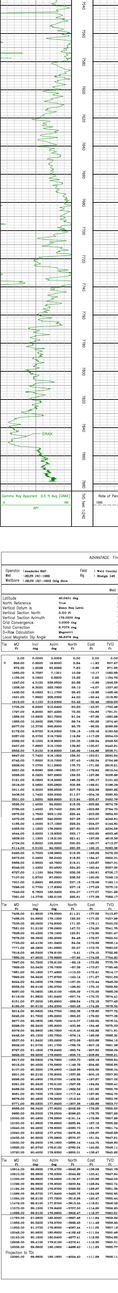

Realtime Log

Natural Formation Evaluation
Gamma Ray

BAKER HUGHES

Scale: 1:240
TRUE VERTICAL DEPTH

Status: FIELD PRINT

API Number: 051233656700

Company: Anadarko E&P
Well: JELTS 15C-19HZ
Field: Weld County
Region: Continental US **Country:** United States

Surface Location:
Latitude: 40° 02' 35.268" N
Longitude: 104° 55' 50.696" W
Section: 19 TWN: 1N Range: 67W

Other Services:
Directional
VSS

Permanent Datum (P.D.): Ground Level Elevation: 5147.00 ft.
Log Measured From: Kelly Bushing 13.00 ft. Above P.D.
Depth Reference: Driller's Depth

Elevations:
KB: 5160.00 ft.
DF: N/A
GL: 5147.00 ft.

Interval Logged		Dates		Magnetic Field Reference	
Top:	7249.0 ft.	Date From:	23 Jun 2013	Dip Angle:	66.64 °
Bottom:	12345.0 ft.	Date To:	01 Jul 2013	Total	
		Spud Date:		Azi Reference North:	True
				Mag to Reference	
				Field Strength:	52650.3 nT
				North Correction:	8.71 °

Borehole Record

Hole Size	From	To
13.500 in.	Surface	925.0 ft.
8.750 in.	925.0 ft.	7986.0 ft.
6.125 in.	7986.0 ft.	12390.0 ft.

Casing Record

Size	Weight	From	To
9.625 in.	36.00 lb/ft	Surface	914.0 ft.
7.000 in.	26.00 lb/ft	Surface	8339.0 ft.

Mud Record

Type	From	To
Water Based	Surface	12390.0 ft.

Deviation Record

Hole Size	Interval	Inc / Az (Start)	Inc / Az (End)
8.750 in.	Intermediate	0.8 ° / 19.9 °	92.2 ° / 185.8 °
6.125 in.	Lateral	92.2 ° / 185.8 °	89.7 ° / 180.2 °
		/	/
		/	/
		/	/
		/	/

Acquisition System Software Version

Advantage	2.20U4
PATS	6.4.1.34

Other

Rig: / Contractor:	Ensign 145 / Ensign Drilling
Job No:	5490795
District: / Unit:	RMD /

INTEQ does not guarantee the accuracy or correctness of interpretations provided in or from this log. Since all interpretations are opinions based on measurements, INTEQ shall under no circumstances be responsible for consequential damages or any other loss, costs, damages or expenses incurred or sustained in connection with the use of any such interpretations. INTEQ disclaims all expressed and implied warranties related to this service. INTEQ s liabilities and obligations shall be governed by INTEQ's Standard Terms and Conditions.

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 (ft.)	Logged Interval Bottom (ft.)	Bit Depth Interval From (ft.)	Bit Depth Interval To (ft.)	Date / Time Start	Date / Time End	Circ. Time (hrs.)
1	1	2	8.750	PDC	2.000	Steerable	7249.0	7933.0	930.0	7987.0	23 Jun 2013 12:47	24 Jun 2013 01:41	35.5
2	2	3	8.750	Tri-cone	1.000	Steerable	7933.0	8300.0	7987.0	8349.0	24 Jun 2013 21:38	26 Jun 2013 04:47	31.9
3	3	4	6.125	PDC	1.000	Steerable	8300.0	12345.0	8350.0	12390.0	28 Jun 2013 05:30	01 Jul 2013 22:20	104.2

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Steven Cano	21 Jun 2013	30 Jun 2013	Matthew Dickey	21 Jun 2013	03 Jul 2013	Ian McCarrell	01 Jul 2013	03 Jul 2013

Mud Properties Record

Date / Time	LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (cp)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides mg/l	K+ mg/l
23 Jun 2013 08:00	1	1024.0	Water Based	8.3	28	9.2	N/A	0/100	Flowline	300	N/A
24 Jun 2013 08:16	2	7983.0	Water Based	10.0	43	9.5	N/A	0/100	Flowline	800	N/A
25 Jun 2013 06:15	2	8120.0	Water Based	10.1	44	8.7	N/A	0/100	Flowline	600	N/A
26 Jun 2013 06:33	2	8349.0	Water Based	10.3	45	8.4	N/A	0/100	Flowline	700	N/A
27 Jun 2013 07:33	2	8349.0	Water Based	10.6	49	8.9	N/A	0/100	Flowline	800	N/A
28 Jun 2013 06:32	3	8349.0	Water Based	10.3	38	8.8	N/A	0/100	Flowline	700	N/A
28 Jun 2013 22:30	3	9351.0	Water Based	10.6	42	9.5	N/A	0/100	Flowline	1300	N/A
29 Jun 2013 22:30	3	10500.0	Water Based	10.8	44	9.0	N/A	0/100	Flowline	1500	N/A
30 Jun 2013 22:30	3	11690.0	Water Based	10.8	43	9.0	N/A	0/100	Flowline	1000	N/A
01 Jul 2013 23:01	3	12390.0	Water Based	11.5	44	8.5	N/A	0/100	Flowline	3000	N/A
02 Jul 2013 06:23	3	12390.0	Water Based	11.4	40	8.5	N/A	3.0 / 97.0	Flowline	3100	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent, 0.5 ft. Avg.	API
ROPA	Rate of Penetration, 3.0 ft. Avg	ft/hr
TCDX	Downhole Temperature	degF.
WOBA	Surface Weight On Bit, 1.0 ft. Avg.	kLbs.

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (ft.)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	12323378	Directional	56.23	6.750	0.000
1	SRIG	12613296	Gamma	52.85	6.750	0.000
2	DIR	12323378	Directional	51.74	6.750	0.000
2	SRIG	12613296	Gamma	48.36	6.750	0.000
3	CS	10143098	-	77.30	5.070	1.750
3	BCPM	11696007	Telemetry	66.26	5.070	1.750
3	STAB	12401251	-	63.00	5.625	1.750
3	OTK	11827896	Directional	57.54	5.066	1.750
3	OTK	11827896	Resistivity	44.36	7.031	2.165
3	APR	11827896	Resistivity	44.36	5.070	2.750
3	OTK	11827896	Gamma	52.86	7.031	2.165
3	OTK	11827896	Pressure	48.80	7.031	2.165
3	CS	12031348	-	37.18	5.070	1.750

Service and Tool Mnemonics

Mnemonic	Name	Description
APR	Resistivity	Azimuthal propagation resistivity, azimuthal propagation resistivity image
BCPM	BCPM	Mud pulse telemetry and downhole tool power module
DIR	Directional	Wellbore directional survey
OTK	OnTrak	Propagation resistivity, propagation conductivity, gamma ray, directional, annular pressure, system memory and VSS
SRIG	Inclination and Gamma	Probe based gamma ray and inclination module
STAB	Stabilizer	Stabilizer assembly
CS	Closure Sub	BHA power ring isolator allowing insertion of inert sub into electrically powered BHA

Comments

1) Baker Hughes INTEQ run 1 utilized 6 1/2 inch NaviGamma services (Directional, Gamma Ray, and VSS) behind an 8 3/4 inch bit and steerable assembly from 925 to 7986 feet MD (925 to 7827 feet TVD).

2) Baker Hughes INTEQ run 2 utilized 6 1/2 inch NaviGamma services (Directional, Gamma Ray, and VSS) behind an 8 3/4 inch bit and steerable assembly from 7986 to 8349 feet MD (7827 to 7873 feet TVD).

3) Baker Hughes INTEQ run 3 utilized 4 3/4 inch OnTrak (Gamma Ray, Multiple Propagation Resistivity, and Directional) behind a 6 1/8 inch bit and steerable assembly from 8349 to 12390 feet MD (7873 to 7856 ft TVD).

Remarks

Number	Measured Depth ft)	Hole Section (in.)	LWD Run No.	Remark
1	7297	8.750	1	The interval from surface to 7249 feet MD (7228 feet TVD) was not logged since logging services began at the curve kick off point of 7297 feet MD.

BAKER HUGHES
Company : Anadarko E&P
Well : JELTS 15C-19HZ
Interval : 7225.00 - 7885.00 feet
Created : 02/Jul/2013 2:49:39 PM

ADVANTAGE Final Survey Listing

Operator	:Anadarko E&P	Field	: Weld County	API No	: 05-123-36567
Well	:JELTS 15C-19HZ	Rig	: Ensign 145	Job	:5490795
Wellbore	: JELTS 15C-19HZ Orig Hole				

Well Origin

Latitude	40.0431 deg	Longitude	-104.9307 deg
North Reference	True	Drill Depth Zero	Kelly Bushing
Vertical Datum is	Mean Sea Level	Vertical Datum to DDZ	0.00 ft
Vertical Section North	0.00 ft	Vertical Section East	0.00 ft
Vertical Section Azimuth	179.0200 deg	Vertical Section Depth	0.00ft
Grid Convergence	0.0000 deg	Magnetic Declination	8.7073 deg
Total Correction	8.7073 deg	TVD Calculation Method	Minimal Curvature
D-Raw Calculation	Magcorr1	Local Magnetic Field	52650 nT
Local Magnetic Dip Angle	66.6378 deg	Local Gravity Field	9.802 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
	0.00	0.0000	0.0000	0.00	0.00	0.00	0.00	0.00				
U	858.00	0.8500	19.8500	5.84	-1.93	857.97	-5.87	5.99	858.00	0.10	0.10	2.31
	972.00	1.2028	33.9262	7.63	-0.98	971.95	-7.64	8.01	114.00	0.38	0.31	12.35
	1063.00	2.7597	7.1001	10.59	-0.17	1062.89	-10.60	11.09	91.00	1.95	1.71	-29.48
	1155.00	3.0300	2.8200	15.22	0.22	1154.78	-15.22	15.73	92.00	0.38	0.29	-4.65
	1247.00	4.3100	339.0500	20.88	-0.89	1246.59	-20.89	21.50	92.00	2.13	1.39	-25.84
	1338.00	6.3000	323.7800	28.10	-5.07	1337.20	-28.18	29.84	91.00	2.66	2.19	-16.78
	1430.00	8.0800	311.1700	36.43	-12.92	1428.48	-36.65	41.28	92.00	2.57	1.93	-13.71
	1521.00	7.6900	309.3300	44.50	-22.44	1518.62	-44.88	53.77	91.00	0.51	-0.43	-2.02
	1613.00	9.1100	313.5300	53.42	-32.48	1609.63	-53.97	67.20	92.00	1.68	1.54	4.57
	1705.00	9.2300	310.5400	63.23	-43.37	1700.46	-63.96	81.85	92.00	0.53	0.13	-3.25
	1797.00	8.9000	307.4200	72.35	-54.63	1791.31	-73.27	96.34	92.00	0.64	-0.36	-3.39
	1888.00	10.6200	301.7200	81.04	-67.36	1880.99	-82.18	111.75	91.00	2.17	1.89	-6.26
	1983.00	10.3500	298.7300	89.74	-82.29	1974.40	-91.14	129.03	95.00	0.64	-0.28	-3.15
	2077.00	10.3700	305.8000	98.75	-96.55	2066.88	-100.39	145.91	94.00	1.35	0.02	7.52
	2172.00	8.6700	319.3300	109.18	-108.16	2160.58	-111.02	161.51	95.00	2.95	-1.79	14.24
	2267.00	8.3700	319.7300	119.89	-117.29	2254.53	-121.88	175.59	95.00	0.32	-0.32	0.42
	2362.00	8.1000	316.8600	130.05	-126.34	2348.55	-132.19	189.19	95.00	0.52	-0.28	-3.02
	2457.00	7.9900	315.1500	139.62	-135.57	2442.61	-141.91	202.48	95.00	0.28	-0.12	-1.80
	2552.00	7.8100	316.6800	148.99	-144.66	2536.71	-151.44	215.54	95.00	0.29	-0.19	1.61
	2647.00	7.7400	316.1800	158.30	-153.51	2630.84	-160.91	228.39	95.00	0.10	-0.07	-0.53
	2742.00	7.6200	315.7200	167.43	-162.34	2724.99	-170.18	241.09	95.00	0.14	-0.13	-0.48
	2836.00	7.0700	311.5800	175.73	-171.02	2818.21	-178.63	253.10	94.00	0.81	-0.59	-4.40
	2931.00	6.6290	309.1600	183.07	-179.64	2912.54	-186.12	264.42	95.00	0.55	-0.46	-2.55
	3026.00	6.0200	307.2900	189.55	-187.86	3006.96	-192.74	274.89	95.00	0.68	-0.64	-1.97
	3121.00	6.0800	318.2200	196.32	-195.17	3101.43	-199.63	284.85	95.00	1.21	0.06	11.51
	3216.00	3.5600	332.0600	202.68	-199.91	3196.09	-206.07	292.78	95.00	2.90	-2.65	14.57
	3311.00	3.3000	336.2500	207.79	-202.39	3290.92	-211.22	298.46	95.00	0.38	-0.27	4.41
	3406.00	1.7400	332.3300	211.57	-204.16	3385.83	-215.03	302.64	95.00	1.65	-1.64	-4.13
	3501.00	1.5200	329.6800	213.94	-205.47	3480.79	-217.42	305.34	95.00	0.24	-0.23	-2.79
	3595.00	1.4000	24.8200	216.05	-205.62	3574.76	-219.54	307.46	94.00	1.44	-0.13	58.66
	3785.00	1.4500	23.7400	220.36	-203.68	3764.70	-223.81	312.19	190.00	0.03	0.03	-0.57
	3975.00	1.7500	353.1100	225.44	-203.06	3954.63	-228.88	317.30	190.00	0.47	0.16	-16.12
	4070.00	0.4800	340.0000	227.26	-203.37	4049.61	-230.70	319.15	95.00	1.35	-1.34	-13.80
	4165.00	1.0000	317.1200	228.24	-204.07	4144.60	-231.69	320.35	95.00	0.62	0.55	-24.08
	4355.00	1.1200	176.0800	227.60	-205.07	4334.59	-231.07	321.54	190.00	1.05	0.06	-74.23
	4544.00	3.2500	118.9300	223.17	-200.25	4523.46	-226.56	328.09	189.00	1.48	1.13	-30.24
	4639.00	1.1300	119.2100	221.41	-197.08	4618.38	-224.74	331.72	95.00	2.23	-2.23	0.29
	4734.00	0.6000	103.2500	220.83	-195.77	4713.37	-224.15	333.14	95.00	0.61	-0.56	-16.80
	5114.00	0.5100	94.3900	220.25	-192.15	5093.36	-223.50	336.81	380.00	0.03	-0.02	-2.33
	5493.00	0.7000	109.3600	219.35	-188.29	5472.33	-222.54	340.78	379.00	0.06	0.05	3.95
	5873.00	0.4900	88.2400	218.63	-184.47	5852.31	-221.76	344.66	380.00	0.08	-0.06	-5.56
	5968.00	0.6500	46.7800	219.01	-183.67	5947.31	-222.12	345.54	95.00	0.45	0.17	-43.64
	6348.00	1.4300	20.4600	224.93	-180.44	6327.25	-227.99	352.28	380.00	0.24	0.21	-6.93
	6727.00	1.1100	324.7800	232.36	-180.91	6706.17	-235.42	359.73	379.00	0.32	-0.08	-14.69
	7107.00	0.9700	67.8900	236.58	-180.05	7086.13	-239.63	364.03	380.00	0.43	-0.04	27.13
	7201.00	0.9900	68.2300	237.18	-178.56	7180.11	-240.20	365.64	94.00	0.02	0.02	0.36
	7296.00	0.7700	117.9300	237.19	-177.23	7275.10	-240.18	366.97	95.00	0.81	-0.23	52.32
	7343.00	6.7600	182.3400	234.27	-177.07	7321.99	-237.27	369.89	47.00	13.75	12.74	137.04
	7391.00	14.0700	182.0100	225.61	-177.39	7369.17	-228.61	378.56	48.00	15.23	15.23	-0.69
	7438.00	21.6500	179.5500	211.21	-177.52	7413.87	-214.21	392.96	47.00	16.20	16.13	-5.23
	7486.00	24.8900	179.1200	192.25	-177.30	7457.96	-195.25	411.92	48.00	6.76	6.75	-0.90
	7533.00	28.0500	174.6300	171.35	-176.11	7500.03	-174.33	432.85	47.00	7.95	6.72	-9.55
	7581.00	31.2100	176.0900	147.70	-174.20	7541.75	-150.66	456.58	48.00	6.75	6.58	3.04
	7628.00	33.4300	178.1200	122.61	-172.95	7581.47	-125.55	481.70	47.00	5.26	4.72	4.32
	7676.00	38.3500	180.2000	94.48	-172.57	7620.34	-97.42	509.83	48.00	10.56	10.25	4.33
	7723.00	42.4100	181.3400	64.04	-172.99	7656.14	-66.99	540.27	47.00	8.78	8.64	2.43
	7771.00	46.0800	181.2800	30.57	-173.75	7690.52	-33.53	573.76	48.00	7.65	7.65	-0.13
	7818.00	46.5300	179.9100	-3.41	-174.10	7722.99	0.43	607.74	47.00	2.31	0.96	-2.91
	7865.00	47.9500	179.9900	-37.92	-174.08	7754.90	34.94	642.24	47.00	3.02	3.02	0.17
	7897.00	50.7200	178.8100	-62.19	-173.82	7775.75	59.21	666.51	32.00	9.10	8.66	-3.69
	7929.00	53.2400	178.7200	-87.39	-173.27	7795.46	84.41	691.72	32.00	7.88	7.88	-0.28
	7961.00	55.1800	177.4800	-113.33	-172.41	7814.17	110.37	717.68	32.00	6.83	6.06	-3.88
	7993.00	58.8400	177.6700	-140.14	-171.27	7831.59	137.19	744.51	32.00	11.45	11.44	0.59
	8024.00	64.0900	178.7800	-167.35	-170.44	7846.39	164.41	771.74	31.00	17.22	16.94	3.58
	8056.00	69.9100	180.0700	-196.80	-170.15	7858.89	193.86	801.18	32.00	18.56	18.19	4.03
	8087.00	75.5600	180.2100	-226.39	-170.22	7868.09	223.44	830.77	31.00	18.23	18.23	0.45
	8119.00	81.6600	181.5400	-257.74	-170.70	7874.41	254.78	862.12	32.00	19.49	19.06	4.16
	8151.00	87.3000	183.6800	-289.54	-172.16	7877.48	286.55	893.96	32.00	18.84	17.62	6.69
	8182.00	90.6100	184.2300	-320.46	-174.29	7878.05	317.43	924.95	31.00	10.82	10.68	1.77
	8214.00	90.5800	184.7700	-352.36	-176.80	7877.72	349.28	956.95	32.00	1.69	-0.09	1.69
	8245.00	91.7200	185.2200	-383.23	-179.50	7877.09	380.11	987.94	31.00	3.95	3.68	1.45
	8277.00	92.0600	185.7200	-415.07	-182.55	7876.04	411.89	1019.92	32.00	1.89	1.06	1.56
	8296.00	92.2400	185.8000	-433.96	-184.46	7875.33	430.74	1038.91	19.00	1.04	0.95	0.42
	8379.00	92.8900	185.7800	-516.45	-192.82	7871.61	513.08	1121.83	83.00	0.78	0.78	-0.02
	8442.00	93.1300	183.7800	-579.14	-198.06	7868.30	575.67	1184.74	63.00	3.19	0.38	-3.17
	8537.00	91.8400	183.0200	-673.89	-203.69	7864.18	670.30	1279.65	95.00	1.58	-1.36	-0.80
	8632.00	91.5700	181.1700	-768.78	-207.16	7861.36	765.12	1374.60	95.00	1.97	-0.28	-1.95
	8727.00	91.1600	179.2400	-863.74	-207.50	7859.09	860.07	1469.57	95.00	2.08	-0.43	-2.03
	8822.00	89.9000	179.6900	-958.73	-206.62	7858.21	955.06	1564.56	95.00	1.41	-1.33	0.47
	8917.00	89.5900	179.7900	-1053.73	-206.19	7858.64	1050.05	1659.56	95.00	0.34	-0.33	0.11
	9012.00	90.4000	178.5600	-1148.72	-204.82	7858.65	1145.05	1754.56	95.00	1.55	0.85	-1.29
	9107.00	90.3300	178.4600	-1243.68	-202.35	7858.04	1240.04	1849.56	95.00	0.13	-0.07	-0.11
	9201.00	90.2100	178.9000	-1337.66	-200.18	7857.60	1334.04	1943.55	94.00	0.49	-0.13	0.47
	9296.00	90.4900	178.0700	-1432.62	-197.67	7857.02	1429.03	2038.55	95.00	0.92	0.29	-0.87
	9391.00	90.2400	178.5100	-1527.58	-194.84	7856.41	1524.02	2133.55	95.00	0.53	-0.26	0.46
	9486.00	90.5200	177.5300	-1622.52	-191.55	7855.78	1619.00	2228.55	95.00	1.07	0.29	-1.03
	9581.00	90.7300	178.1200	-1717.44	-187.95	7854.75	1713.98	2323.54	95.00	0.66	0.22	0.62
	9676.00	90.4600	178.8000	-1812.40	-185.40	7853.76	1808.97	2418.53	95.00	0.77	-0.28	0.72
	9771.00	89.5300	177.9400	-1907.36	-182.69	7853.77	1903.96	2513.53	95.00	1.33	-0.98	-0.91
	9866.00	88.3400	177.9000	-2002.28	-179.25	7855.53	1998.92	2608.51	95.00	1.25	-1.25	-0.04
	9960.00	89.5300	179.0500	-2096.23	-176.75	7857.28	2092.90	2702.49	94.00	1.76	1.27	1.22
	10055.00	90.4900	176.2600	-2191.14	-172.86	7857.26	2187.86	2797.48	95.00	3.11	1.01	-2.94
	10150.00	91.9800	176.8800	-2285.94	-167.18	7855.22	2282.75	2892.46	95.00	1.70	1.57	0.65
	10245.00	92.2200	176.6000	-2380.73	-161.78	7851.74	2377.61	2987.39	95.00	0.39	0.25	-0.29
	10340.00	91.2200	177.4700	-2475.55	-156.87	7848.88	2472.51	3082.35	95.00	1.39	-1.05	0.92
	10435.00	90.8000	175.8600	-2570.37	-151.34	7847.21	2567.41	3177.33	95.00	1.75	-0.44	-1.69
	10530.00	89.9300	176.1800	-2665.14	-144.75	7846.60	2662.28	3272.33	95.00	0.98	-0.92	0.34
	10625.00	90.6700	178.8100	-2760.04	-140.60	7846.11	2757.23	3367.32	95.00	2.88	0.78	2.77
	10720.00	90.4000	178.6300	-2855.01	-138.47	7845.22	2852.23	3462.31	95.00	0.34	-0.28	-0.19
	10814.00	88.9200	178.4700	-2948.98	-136.09	7845.78	2946.22	3556.31	94.00	1.58	-1.57	-0.17
	10910.00	88.8600	178.3300	-3044.92	-133.41	7847.64	3042.20	3652.29	96.00	0.16	-0.06	-0.15
	11005.00	88.8600	178.5900	-3139.87	-130.86	7849.53	3137.17	3747.27	95.00	0.27	0.00	0.27
	11099.00	89.6600	178.9500	-3233.84	-128.84	7850.74	3231.16	3841.26	94.00	0.93	0.85	0.38
	11194.00	89.5600	178.6700	-3328.82	-126.87	7851.39	3326.16	3936.26	95.00	0.31	-0.11	-0.29
	11289.00	88.6700	177.9400	-3423.76	-124.06	7852.85	3421.14	4031.25	95.00	1.21	-0.94	-0.77
	11384.00	88.2100	177.7200	-3518.66	-120.47	7855.44	3516.08	4126.21	95.00	0.54	-0.48	-0.23
	11479.00	88.6100	177.8700	-3613.55	-116.81	7858.08	3611.03	4221.18	95.00	0.45	0.42	0.16
	11573.00	89.1300	178.9400	-3707.50	-114.20	7859.93	3705.00	4315.16	94.00	1.27	0.55	1.14
	11668.00	89.8100	178.8600	-3802.47	-112.37	7860.81	3800.00	4410.15	95.00	0.72	0.72	-0.08
	11763.00	91.2600	180.2500	-3897.46	-111.64	7859.92	3894.98	4505.14	95.00	2.11	1.53	1.46
	11858.00	90.5200	179.5700	-3992.45	-111.49	7858.45	3989.96	4600.13	95.00	1.06	-0.78	-0.72
	11953.00	91.0700	179.9000	-4087.44	-111.05	7857.13	4084.94	4695.12	95.00	0.68	0.58	0.35
	12048.00	90.9200	180.6900	-4182.42	-111.54	7855.48	4179.90	4790.11	95.00	0.85	-0.16	0.83
	12143.00	90.1200	180.5400	-4277.41	-112.56	7854.62	4274.86	4885.10	95.00	0.86	-0.84	-0.16
	12238.00	89.4100	179.2100	-4372.41	-112.35	7855.01	4369.85	4980.10	95.00	1.59	-0.75	-1.40
	12332.00	89.6600	180.1600	-4466.40	-111.83	7855.77	4463.84	5074.09	94.00	1.05	0.27	1.01
Projection to TD:												
	12390.00	89.6600	180.1600	-4524.40	-111.99	7856.11	4521.82	5132.09	58.00	0.00	0.00	0.00