BAKER HUGHES

REALTIME LOG

Natural Formation Evaluation
Gamma Ray

Scale:	1:240 TRUE VERTICAL DEPTH
Status:	FINAL PRINT
API Number:	05-123-3689500
Company:	**Anadarko Oil & Gas LP**
Well:	**USA FED 29N-36HZ**
Field:	**Weld County (Kerr McGee)**
County:	**Weld County**
State:	**Colorado**

Surface Location:
Latitude: 40° 10' 36.296" N
Longitude: 104° 43' 57.972" W
Section: 36 TWN: 3N Range: 66W

Other Services:
DIRECTIONAL
VSS

Permanent Datum (P.D.): Ground Level Elevation: 5024.00 ft.
Log Measured From: Kelly Bushing 17.00 ft. Above P.D.
Depth Reference: Driller's Depth

Elevations:
KB: 17.00 ft.
DF: N/A
GL: 5041.00 ft.

Interval Logged		Dates		Magnetic Field Reference	
Top:	6700.0 ft.	Date From:	23/Sep/13	Dip Angle:	66.96 °
Bottom:	11789.0 ft.	Date To:	29/Sep/13	Total	
		Spud Date:	22/Sep/13	Field Strength:	52713.0 nT

Azi Reference North: True
Mag to Reference
North Correction: 8.58 °

Borehole Record

Hole Size	From	To
13.500 in.	SURFACE	940.0 ft.
8.500 in.	940.0 ft.	7775.0 ft.
6.125 in.	7775.0 ft.	11826.0 ft.

Casing Record

Size	Weight	From	To
9.000 in.	36.00 lb/ft	Surface	898.0 ft.
7.000 in.	27.00 lb/ft	Surface	7765.0 ft.

Mud Record

Type	From	To
Water Based Mud	940.0 ft.	11826.0 ft.

Deviation Record

Hole Size	Interval	Inc / Az (Start)	Inc / Az (End)
13.500 in.	Surface	0.0 ° / 0.0 °	0.3 ° / 251.5 °
8.500 in.	Vertical/Curve	0.8 ° / 241.3 °	85.6 ° / 1.7 °
6.125 in.	Lateral	85.6 ° / 1.7 °	89.9 ° / 359.2 °
		/	/
		/	/
		/	/

Acquisition System	Software Version	Other	
Advantage	2.20U4	Rig: / Contractor:	Xtreme 8 / Xtreme Coil Drilling
PATS	6.4.1.34	Job No:	5797242
		District: / Unit:	Rocky Mountain / D & E

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.)
2	2	2	8.500	PDC		Mud Motor	6692.9	7733.0	940.0	7775.0	23/Sep/2013 20:30	26/Sep/2013 18:05	49
3	3	3	6.125	PDC		Mud Motor	7733.0	11789.0	7775.0	11826.0	28/Sep/2013 01:44	29/Sep/2013 08:30	36

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Kevin Sheridan	18/Sep/2013	25/Sep/2013	Nick Roosen	25/Sep/2013	30/Sep/2013	Shirley Arimah	18/Sep/2013	30/Sep/2013

Mud Properties Record

Date / Time	LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (s/qt)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
26/Sep/2013 19:03	2	7060.0	Water Based Mud	10.0	38	9.0	N/A	2 / 88	Flowline	1400	0.0
28/Sep/2013 19:00	3	10500.0	Water Based Mud	9.7	39	9.0	N/A	2/90	Flowline	1300	0.0

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.)
2	DIR	11730418	Directional	45.20	6.750	0.000
2	SRIG	12554657	Gamma	41.82	6.750	0.000
3	DIR	12235767	Directional	57.41	6.750	0.000
3	SRIG	10392040	Gamma	54.66	6.750	1.750

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 2 utilized 6 1/2 inch NaviGamma services (Gamma Ray and Directional) behind an 8 3/4 inch bit and steerable assembly from 940 to 7775 feet MD (940 to 7298 feet TVD)

(2) Baker Hughes INTEQ run 3 utilized 4 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 3/4 inch bit and steerable assembly from 7775 to 11826 feet MD (7298 to 7305 feet TVD)

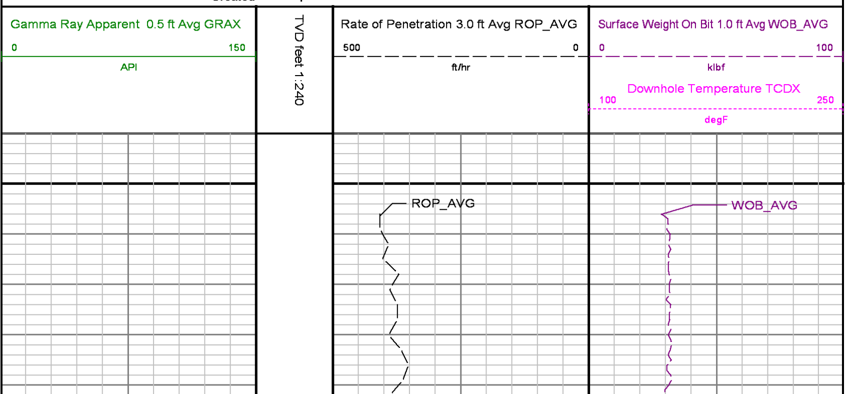
(3) A sliding indicator is shown to the right edge of track 1 as a heavy line.

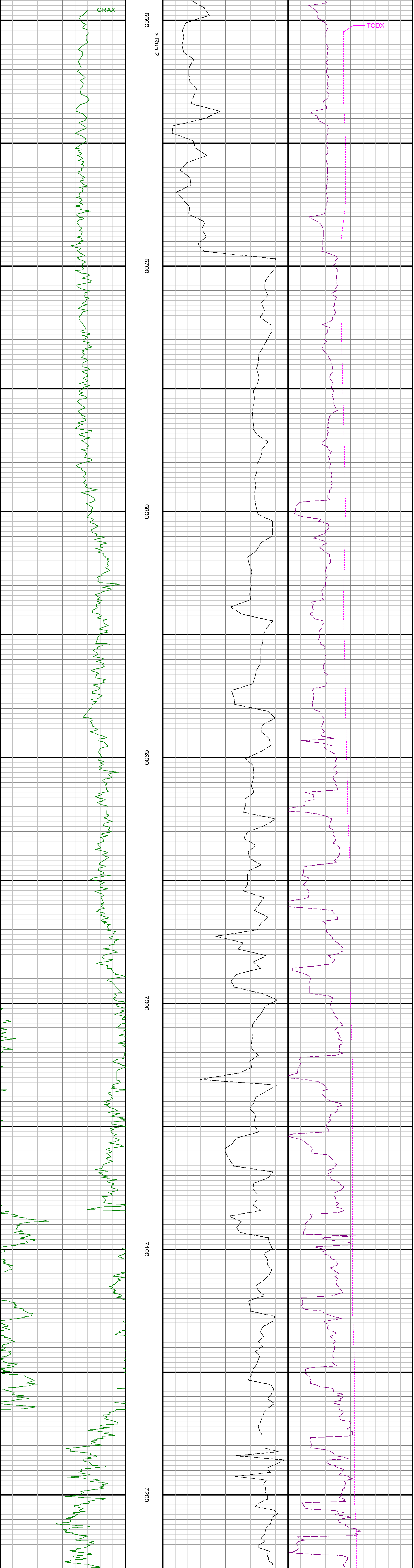
Remarks

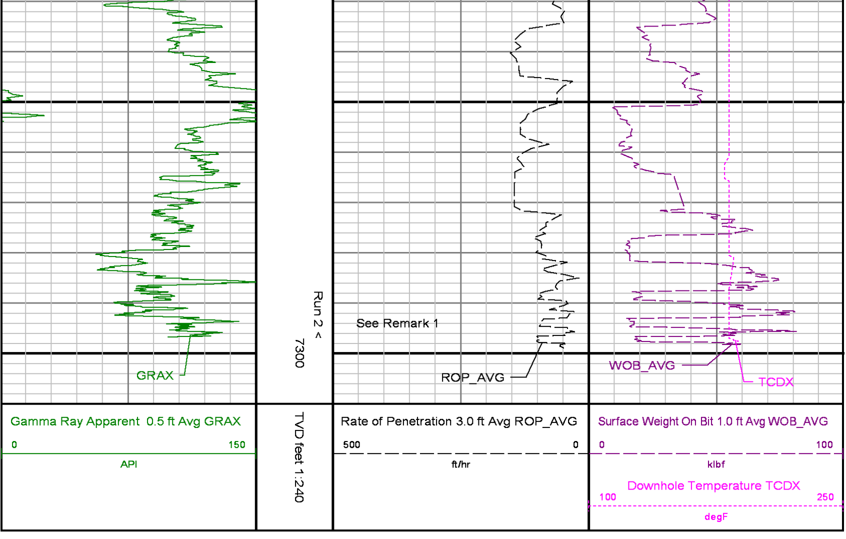
Number	Measured Depth (ft.)	Hole Section (in.)	LWD Run No.	Remark
1	7775	8.500	2	The interval from 7733 to 7775 feet MD (7297 to 7299 feet TVD) was logged up to 20 hours later due to trip out of hole to pick up 4 3/4 BHA for Lateral Run.
2	11826	6.125	3	The interval from 11789 to 11826 feet MD (7304 to 7305 feet TVD) was not logged due to sensor offset to bit at TD.

BAKER HUGHES

Company : Anadarko
Well : USA FED 29N-36HZ
Interval : 6540.00 - 7310.00 feet
Created : 27/Sep/2013 10:46:20 PM







ADVANTAGE Final Survey Listing

Operator	: Anadarko	Field	: Weld County (Kerr McGee)	API No	: 05-123-3689500
Well	: USA FED 29N-36HZ	Rig	: Xtreme 8	Job	: 3RIT56
Wellbore	: USA FED 29N-36HZ Orig Hole				

Well Origin

Latitude	40.1767 deg	Longitude	-104.7328 deg
North Reference	True	Drill Depth Zero	NULL
Vertical Datum is	Ground Level	Vertical Datum to DDZ	17.00 ft
Vertical Section North	0.00 ft	Vertical Section East	0.00 ft
Vertical Section Azimuth	0.2300 deg	Vertical Section Depth	0.00ft
Grid Convergence	0.0000 deg	Magnetic Declination	8.5800 deg
Total Correction	8.5800 deg	TVD Calculation Method	Minimal Curvature
D-Raw Calculation	Magcorr1	Local Magnetic Field	52713 nT
Local Magnetic Dip Angle	66.9600 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	17.00	0.0000	0.0000	0.00	0.00	17.00	0.00	0.00	17.00	0.00	0.00	0.00
	109.00	0.3400	46.6500	0.19	0.20	109.00	0.19	0.27	92.00	0.37	0.37	50.71
	234.00	0.2200	104.9000	0.38	0.70	234.00	0.38	0.81	125.00	0.23	-0.10	46.60
	327.00	0.4300	77.8700	0.41	1.21	327.00	0.41	1.32	93.00	0.27	0.23	-29.06
	419.00	0.3800	81.6600	0.52	1.85	418.99	0.53	1.97	92.00	0.06	-0.05	4.12
	511.00	0.1300	101.8000	0.55	2.26	510.99	0.56	2.38	92.00	0.28	-0.27	21.89
	603.00	0.1600	130.8800	0.44	2.46	602.99	0.45	2.60	92.00	0.09	0.03	31.61
	695.00	0.0400	201.7100	0.33	2.54	694.99	0.34	2.75	92.00	0.16	-0.13	76.99
	787.00	0.0900	241.3800	0.26	2.47	786.99	0.27	2.85	92.00	0.07	0.05	43.12
	883.00	0.3800	251.5300	0.13	2.10	882.99	0.14	3.24	96.00	0.30	0.30	10.57
	980.00	0.7200	237.4800	-0.30	1.28	979.99	-0.30	4.16	97.00	0.37	0.35	-14.48
	1072.00	0.8000	241.3400	-0.92	0.23	1071.98	-0.92	5.38	92.00	0.10	0.09	4.20
	1164.00	1.5000	143.4800	-2.20	0.38	1163.97	-2.20	6.67	92.00	1.95	0.76	-106.37
	1256.00	4.2300	142.7800	-5.87	3.15	1255.84	-5.86	11.27	92.00	2.97	2.97	-0.76
	1346.00	6.3000	158.9800	-13.12	6.93	1345.46	-13.09	19.45	90.00	2.81	2.30	18.00
	1437.00	8.4300	161.8800	-24.12	10.80	1435.71	-24.08	31.11	91.00	2.38	2.34	3.19
	1529.00	9.8900	169.4800	-38.30	14.34	1526.54	-38.24	45.72	92.00	2.06	1.59	8.26
	1621.00	12.3700	160.5600	-55.37	19.06	1616.80	-55.29	63.43	92.00	3.27	2.70	-9.70
	1680.00	12.8700	150.9100	-67.07	24.36	1674.39	-66.97	76.27	59.00	3.67	0.85	-16.36
	1735.00	13.4400	136.0000	-77.02	31.78	1727.96	-76.89	88.69	55.00	6.24	1.04	-27.11
	1805.00	13.6000	128.2800	-87.97	43.89	1796.02	-87.80	105.02	70.00	2.59	0.23	-11.03
	1897.00	12.6500	127.8600	-100.86	60.34	1885.62	-100.61	125.91	92.00	1.04	-1.03	-0.46
	1988.00	13.1600	131.5400	-113.84	75.96	1974.32	-113.54	146.22	91.00	1.06	0.56	4.04
	2080.00	12.0500	129.0400	-126.84	91.26	2064.10	-126.47	166.29	92.00	1.34	-1.21	-2.72
	2172.00	11.8300	131.8200	-139.17	105.74	2154.11	-138.75	185.32	92.00	0.67	-0.24	3.02
	2263.00	11.7700	134.4300	-151.89	119.32	2243.19	-151.41	203.93	91.00	0.59	-0.07	2.87
	2355.00	12.9500	140.5700	-166.42	132.57	2333.06	-165.89	223.59	92.00	1.92	1.28	6.67
	2446.00	11.5300	137.3600	-180.99	145.21	2421.99	-180.41	242.88	91.00	1.73	-1.56	-3.53
	2537.00	10.9700	134.8600	-193.79	157.51	2511.24	-193.15	260.62	91.00	0.82	-0.62	-2.75
	2628.00	11.2500	144.3600	-207.11	168.82	2600.55	-206.43	278.10	91.00	2.03	0.31	10.44
	2719.00	11.1200	143.9700	-221.42	179.15	2689.82	-220.70	295.75	91.00	0.17	-0.14	-0.43
	2811.00	10.6900	149.2000	-235.93	188.74	2780.16	-235.17	313.14	92.00	1.17	-0.47	5.68
	2896.00	11.5700	153.6800	-250.34	196.56	2863.56	-249.55	329.54	85.00	1.45	1.04	5.27
	2981.00	13.2400	149.3900	-266.36	205.29	2946.57	-265.53	347.78	85.00	2.24	1.96	-5.05
	3067.00	14.0500	144.1700	-283.30	216.42	3030.15	-282.43	368.05	86.00	1.71	0.94	-6.07
	3152.00	13.7400	143.0100	-299.73	228.53	3112.66	-298.81	388.46	85.00	0.49	-0.36	-1.36
	3237.00	13.1600	145.3200	-315.75	240.11	3195.33	-314.78	408.23	85.00	0.93	-0.68	2.72
	3322.00	12.5200	136.9500	-330.44	251.91	3278.21	-329.42	427.07	85.00	2.31	-0.75	-9.85
	3407.00	11.1400	136.1100	-343.09	263.89	3361.40	-342.03	444.49	85.00	1.64	-1.62	-0.99
	3493.00	12.5400	134.6900	-355.64	276.29	3445.57	-354.53	462.14	86.00	1.66	1.63	-1.65
	3578.00	12.7500	134.0200	-368.65	289.59	3528.51	-367.48	480.74	85.00	0.30	0.25	-0.79
	3663.00	11.9300	137.6000	-381.66	302.26	3611.55	-380.44	498.90	85.00	1.32	-0.96	4.21
	3748.00	12.2600	140.2900	-395.09	313.95	3694.66	-393.82	516.71	85.00	0.77	0.39	3.16
	3833.00	12.5900	138.2500	-408.94	325.89	3777.67	-407.63	534.99	85.00	0.65	0.39	-2.40
	3918.00	13.2500	138.5300	-423.15	338.51	3860.52	-421.79	554.00	85.00	0.78	0.78	0.33
	4003.00	13.5000	137.3000	-437.74	351.68	3943.21	-436.33	573.66	85.00	0.45	0.29	-1.45
	4088.00	13.9400	137.6500	-452.60	365.31	4025.79	-451.13	593.82	85.00	0.53	0.52	0.41
	4173.00	13.7500	141.2700	-468.05	378.53	4108.32	-466.52	614.15	85.00	1.04	-0.22	4.26
	4259.00	13.9300	142.4000	-484.22	391.24	4191.82	-482.65	634.72	86.00	0.38	0.21	1.31
	4344.00	13.5400	141.3200	-500.09	403.70	4274.39	-498.47	654.90	85.00	0.55	-0.46	-1.27
	4429.00	11.9600	137.9000	-514.40	415.82	4357.30	-512.72	673.65	85.00	2.06	-1.86	-4.02
	4515.00	12.3300	139.0300	-527.94	427.82	4441.37	-526.22	691.74	86.00	0.51	0.43	1.31
	4599.00	11.6500	137.9200	-541.01	439.38	4523.54	-539.24	709.19	84.00	0.85	-0.81	-1.32
	4685.00	9.9100	138.0500	-552.96	450.15	4608.02	-551.15	725.28	86.00	2.02	-2.02	0.15
	4770.00	11.6000	141.8700	-565.12	460.32	4691.52	-563.27	741.13	85.00	2.16	1.99	4.49
	4855.00	12.9500	138.3000	-578.96	471.93	4774.58	-577.06	759.19	85.00	1.82	1.59	-4.20
	4940.00	12.6700	139.7100	-593.18	484.29	4857.46	-591.23	778.04	85.00	0.49	-0.33	1.66
	5025.00	11.5300	138.0700	-606.61	496.00	4940.57	-604.61	795.85	85.00	1.40	-1.34	-1.93
	5110.00	11.4100	137.4100	-619.12	507.37	5023.88	-617.08	812.76	85.00	0.21	-0.14	-0.78
	5196.00	11.2700	134.8000	-631.30	519.09	5108.20	-629.21	829.66	86.00	0.62	-0.16	-3.03
	5281.00	11.9300	138.8200	-643.77	530.76	5191.46	-641.63	846.74	85.00	1.23	0.78	4.73
	5366.00	10.9800	140.0700	-656.59	541.74	5274.77	-654.41	863.62	85.00	1.16	-1.12	1.47
	5451.00	8.9900	133.8600	-667.40	551.73	5358.48	-665.18	878.34	85.00	2.66	-2.34	-7.31
	5536.00	7.1900	139.6300	-676.05	559.96	5442.63	-673.80	890.29	85.00	2.32	-2.12	6.79
	5621.00	5.9800	141.2700	-683.56	566.18	5527.07	-681.28	900.03	85.00	1.44	-1.42	1.93
	5706.00	5.0900	144.0000	-690.07	571.17	5611.67	-687.77	908.23	85.00	1.09	-1.05	3.21
	5792.00	3.9100	143.3600	-695.51	575.16	5697.40	-693.19	914.98	86.00	1.37	-1.37	-0.74
	5877.00	3.3800	142.2600	-699.81	578.42	5782.23	-697.48	920.38	85.00	0.63	-0.62	-1.29
	5962.00	2.5400	141.3000	-703.26	581.13	5867.12	-700.93	924.77	85.00	0.99	-0.99	-1.13
	6048.00	1.9800	140.7200	-705.90	583.27	5953.05	-703.55	928.16	86.00	0.65	-0.65	-0.67
	6133.00	1.8000	144.5300	-708.12	584.97	6038.00	-705.77	930.96	85.00	0.26	-0.21	4.48
	6218.00	0.8700	176.0600	-709.86	585.79	6122.98	-707.50	932.88	85.00	1.36	-1.09	37.09
	6303.00	0.2200	338.4800	-710.35	585.77	6207.98	-707.99	933.37	85.00	1.27	-0.76	191.08
	6559.00	0.2200	197.8000	-710.36	585.44	6463.98	-708.00	933.70	256.00	0.16	0.00	-54.95
	6729.00	0.2500	158.5300	-711.01	585.48	6633.98	-708.66	934.36	170.00	0.09	0.02	-23.10
	6772.00	0.1100	43.6900	-711.07	585.54	6676.98	-708.72	934.44	43.00	0.73	-0.33	-267.07
	6815.00	3.4200	357.3800	-709.76	585.51	6719.95	-707.40	935.75	43.00	7.78	7.70	-107.70
	6858.00	8.7100	0.7400	-705.22	585.50	6762.69	-702.86	940.29	43.00	12.32	12.30	7.81
	6900.00	13.1300	3.7000	-697.28	585.84	6803.92	-694.92	948.25	42.00	10.60	10.52	7.05
	6943.00	17.7800	3.5300	-685.84	586.56	6845.36	-683.48	959.70	43.00	10.81	10.81	-0.40
	6985.00	22.4000	3.2800	-671.45	587.42	6884.79	-669.08	974.12	42.00	11.00	11.00	-0.60
	7028.00	26.0400	1.2000	-653.82	588.08	6924.00	-651.46	991.76	43.00	8.69	8.47	-4.84
	7071.00	28.4400	358.6700	-634.15	588.04	6962.23	-631.78	1011.43	43.00	6.20	5.58	-5.88
	7113.00	31.9100	356.2600	-613.06	587.09	6998.54	-610.70	1032.54	42.00	8.75	8.26	-5.74
	7156.00	36.5800	355.8500	-588.93	585.42	7034.07	-586.58	1056.73	43.00	10.87	10.86	-0.95
	7198.00	40.2400	354.5000	-562.94	583.21	7066.98	-560.59	1082.82	42.00	8.94	8.71	-3.21
	7241.00	43.6200	355.9000	-534.31	580.82	7098.96	-531.97	1111.55	43.00	8.16	7.86	3.26
	7284.00	46.5600	358.1400	-503.90	579.25	7129.32	-501.57	1141.99	43.00	7.77	6.84	5.21
	7326.00	50.5400	359.7800	-472.44	578.69	7157.12	-470.11	1173.46	42.00	9.92	9.48	3.90
	7369.00	55.4500	359.9500	-438.11	578.61	7182.99	-435.78	1207.79	43.00	11.42	11.42	0.40
	7411.00	60.6700	359.8000	-402.48	578.54	7205.20	-400.15	1243.42	42.00	12.43	12.43	-0.36
	7454.00	64.4600	359.8800	-364.32	578.43	7225.01	-362.00	1281.58	43.00	8.82	8.81	0.19
	7497.00	67.4800	359.4100	-325.05	578.18	7242.52	-322.73	1320.85	43.00	7.09	7.02	-1.09
	7539.00	71.1000	359.9400	-285.78	577.96	7257.37	-283.45	1360.13	42.00	8.70	8.62	1.26
	7582.00	74.1100	0.3700	-244.75	578.08	7270.22	-242.42	1401.15	43.00	7.06	7.00	1.00
	7625.00	76.8800	0.5000	-203.12	578.39	7280.99	-200.80	1442.78	43.00	6.45	6.44	0.30
	7667.00	81.1100	1.0000	-161.91	578.93	7289.01	-159.58	1484.00	42.00	10.14	10.07	1.19
	7710.00	84.0700	1.0900	-119.28	579.71	7294.55	-116.95	1526.63	43.00	6.89	6.88	0.21
	7728.00	85.5800	1.7100	-101.36	580.15	7296.18	-99.03	1544.56	18.00	9.06	8.39	3.44
	7818.00	89.9100	0.9400	-11.47	582.23	7299.72	-9.14	1634.47	90.00	4.89	4.81	-0.86
	7946.00	91.2000	2.0600	116.47	585.58	7298.48	118.82	1762.46	128.00	1.33	1.01	0.87
	8031.00	91.2300	1.0700	201.42	587.90	7296.67	203.78	1847.44	85.00	1.16	0.04	-1.16
	8116.00	90.8600	0.3400	286.40	588.94	7295.12	288.76	1932.42	85.00	0.96	-0.44	-0.86
	8202.00	89.9100	359.2400	372.39	588.63	7294.55	374.75	2018.42	86.00	1.69	-1.10	-1.28
	8287.00	90.3400	359.6800	457.39	587.83	7294.36	459.74	2103.42	85.00	0.72	0.51	0.52
	8372.00	88.9800	0.1000	542.39	587.66	7294.87	544.74	2188.41	85.00	1.67	-1.60	0.49
	8457.00	90.6500	0.3200	627.38	587.98	7295.14	629.74	2273.41	85.00	1.98	1.96	0.26
	8543.00	89.3500	359.7300	713.38	588.01	7295.14	715.73	2359.41	86.00	1.66	-1.51	-0.69
	8628.00	90.1200	0.1800	798.38	587.95	7295.53	800.73	2444.41	85.00	1.05	0.91	0.53
	8714.00	89.6300	0.5200	884.37	588.47	7295.72	886.73	2530.41	86.00	0.69	-0.57	0.40
	8799.00	89.4100	0.9200	969.36	589.54	7296.43	971.72	2615.40	85.00	0.54	-0.26	0.47
	8884.00	89.1700	359.8900	1054.35	590.14	7297.49	1056.72	2700.40	85.00	1.24	-0.28	-1.21
	8970.00	90.5200	0.5600	1140.35	590.48	7297.72	1142.71	2786.39	86.00	1.75	1.57	0.78
	9055.00	90.1500	0.7900	1225.34	591.48	7297.22	1227.71	2871.39	85.00	0.51	-0.44	0.27
	9141.00	89.3500	0.2200	1311.34	592.24	7297.60	1313.71	2957.39	86.00	1.14	-0.93	-0.66
	9226.00	89.6300	359.2500	1396.33	591.84	7298.35	1398.70	3042.38	85.00	1.19	0.33	-1.14
	9311.00	88.2100	358.3000	1481.30	590.03	7299.96	1483.65	3127.37	85.00	2.01	-1.67	-1.12
	9396.00	89.7500	359.0100	1566.26	588.03	7301.47	1568.60	3212.35	85.00	1.99	1.81	0.84
	9481.00	91.0500	359.1700	1651.24	586.68	7300.88	1653.58	3297.35	85.00	1.54	1.53	0.19
	9566.00	90.8000	0.0300	1736.23	586.09	7299.50	1738.57	3382.33	85.00	1.05	-0.29	1.01
	9651.00	90.0000	0.8700	1821.22	586.76	7298.91	1823.56	3467.33	85.00	1.36	-0.94	0.99
	9736.00	90.5800	0.6900	1906.21	587.91	7298.48	1908.56	3552.33	85.00	0.71	0.68	-0.21
	9822.00	89.9700	1.4400	1992.19	589.51	7298.07	1994.55	3638.33	86.00	1.12	-0.71	0.87
	9907.00	89.5700	1.4600	2077.17	591.66	7298.41	2079.52	3723.33	85.00	0.47	-0.47	0.02
	9991.00	89.5700	1.1000	2161.14	593.54	7299.04	2163.51	3807.32	84.00	0.43	0.00	-0.43
	10161.00	90.4900	0.2300	2331.13	595.51	7298.95	2333.50	3977.32	170.00	0.74	0.54	-0.51
	10247.00	90.0000	0.7300	2417.12	596.23	7298.58	2419.50	4063.32	86.00	0.81	-0.57	0.58
	10417.00	90.0600	0.3700	2587.12	597.87	7298.49	2589.49	4233.32	170.00	0.21	0.04	-0.21
	10502.00	89.7800	0.6000	2672.11	598.59	7298.61	2674.49	4318.32	85.00	0.43	-0.33	0.27
	10587.00	89.7200	359.7000	2757.11	598.81	7298.98	2759.49	4403.32	85.00	1.06	-0.07	-1.06
	10673.00	89.8800	0.3400	2843.11	598.84	7299.28	2845.49	4489.32	86.00	0.77	0.19	0.74
	10843.00	90.0600	359.8300	3013.11	599.09	7299.37	3015.49	4659.31	170.00	0.32	0.11	-0.30
	10929.00	90.1500	359.6600	3099.11	598.71	7299.21	3101.49	4745.31	86.00	0.22	0.10	-0.20
	11014.00	89.8200	0.4100	3184.11	598.76	7299.24	3186.48	4830.31	85.00	0.96	-0.39	0.88
	11099.00	89.9100	0.2500	3269.11	599.25	7299.44	3271.48	4915.31	85.00	0.22	0.11	-0.19
	11184.00	89.2900	0.9800	3354.10	600.16	7300.03	3356.48	5000.31	85.00	1.13	-0.73	0.86
	11269.00	89.2300	0.9500	3439.08	601.59	7301.13	3441.47	5085.30	85.00	0.08	-0.07	-0.04
	11355.00	88.9500	0.7200	3525.06	602.85	7302.49	3527.45	5171.29	86.00	0.42	-0.33	-0.27
	11440.00	89.5100	0.8200	3610.04	603.99	7303.64	3612.44	5256.28	85.00	0.67	0.66	0.12
	11525.00	90.0600	359.5600	3695.04	604.27	7303.95	3697.44	5341.28	85.00	1.62	0.65	-1.48
	11610.00	89.7500	359.2100	3780.03	603.36	7304.10	3782.43	5426.28	85.00	0.55	-0.36	-0.41
	11766.00	89.9100	359.1700	3936.02	601.15	7304.56	3938.40	5582.28	156.00	0.11	0.10	-0.03
Projection to TD:												
	11826.00	89.9100	359.1700	3996.01	600.28	7304.65	3998.39	5642.28	60.00	0.00	0.00	0.00