



Multiple Propagation Resistivity Ray	Gamma
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1:1200 TVD **Well: Constitution Federal LC21-655**

Depth Reference:

Driller's Depth	County: Weld	Country: United States
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State: Colorado

Status:	Surface Location:	Other Services:
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Final Print

API No:	05123426320000	Wellbore Survey
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Job ID: 8598315

SEC:	22	TWN:	9N	RGE:	59W
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Permanent Datum (P.D.):	Mean Sea Level	Elevation:	4907.00 ft	Elev. KB:	N/A
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Log Measured From:	Rig Floor	Above P.D.	30.00 ft	Elev. GL:	4907.00 ft
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Dates	Interval Logged	Magnetic Field Reference
10/1/2017	10/1/2017 - 10/2/2017	10/1/2017 - 10/2/2017
10/2/2017	10/2/2017 - 10/3/2017	10/2/2017 - 10/3/2017
10/3/2017	10/3/2017 - 10/4/2017	10/3/2017 - 10/4/2017
10/4/2017	10/4/2017 - 10/5/2017	10/4/2017 - 10/5/2017
10/5/2017	10/5/2017 - 10/6/2017	10/5/2017 - 10/6/2017
10/6/2017	10/6/2017 - 10/7/2017	10/6/2017 - 10/7/2017
10/7/2017	10/7/2017 - 10/8/2017	10/7/2017 - 10/8/2017
10/8/2017	10/8/2017 - 10/9/2017	10/8/2017 - 10/9/2017
10/9/2017	10/9/2017 - 10/10/2017	10/9/2017 - 10/10/2017
10/10/2017	10/10/2017 - 10/11/2017	10/10/2017 - 10/11/2017
10/11/2017	10/11/2017 - 10/12/2017	10/11/2017 - 10/12/2017
10/12/2017	10/12/2017 - 10/13/2017	10/12/2017 - 10/13/2017
10/13/2017	10/13/2017 - 10/14/2017	10/13/2017 - 10/14/2017
10/14/2017	10/14/2017 - 10/15/2017	10/14/2017 - 10/15/2017
10/15/2017	10/15/2017 - 10/16/2017	10/15/2017 - 10/16/2017
10/16/2017	10/16/2017 - 10/17/2017	10/16/2017 - 10/17/2017
10/17/2017	10/17/2017 - 10/18/2017	10/17/2017 - 10/18/2017
10/18/2017	10/18/2017 - 10/19/2017	10/18/2017 - 10/19/2017
10/19/2017	10/19/2017 - 10/20/2017	10/19/2017 - 10/20/2017
10/20/2017	10/20/2017 - 10/21/2017	10/20/2017 - 10/21/2017
10/21/2017	10/21/2017 - 10/22/2017	10/21/2017 - 10/22/2017
10/22/2017	10/22/2017 - 10/23/2017	10/22/2017 - 10/23/2017
10/23/2017	10/23/2017 - 10/24/2017	10/23/2017 - 10/24/2017
10/24/2017	10/24/2017 - 10/25/2017	10/24/2017 - 10/25/2017
10/25/2017	10/25/2017 - 10/26/2017	10/25/2017 - 10/26/2017
10/26/2017	10/26/2017 - 10/27/2017	10/26/2017 - 10/27/2017
10/27/2017	10/27/2017 - 10/28/2017	10/27/2017 - 10/28/2017
10/28/2017	10/28/2017 - 10/29/2017	10/28/2017 - 10/29/2017
10/29/2017	10/29/2017 - 10/30/2017	10/29/2017 - 10/30/2017
10/30/2017	10/30/2017 - 10/31/2017	10/30/2017 - 10/31/2017
10/31/2017	10/31/2017 - 11/1/2017	10/31/2017 - 11/1/2017
11/1/2017	11/1/2017 - 11/2/2017	11/1/2017 - 11/2/2017
11/2/2017	11/2/2017 - 11/3/2017	11/2/2017 - 11/3/2017
11/3/2017	11/3/2017 - 11/4/2017	11/3/2017 - 11/4/2017
11/4/2017	11/4/2017 - 11/5/2017	11/4/2017 - 11/5/2017
11/5/2017	11/5/2017 - 11/6/2017	11/5/2017 - 11/6/2017
11/6/2017	11/6/2017 - 11/7/2017	11/6/2017 - 11/7/2017
11/7/2017	11/7/2017 - 11/8/2017	11/7/2017 - 11/8/2017
11/8/2017	11/8/2017 - 11/9/2017	11/8/2017 - 11/9/2017
11/9/2017	11/9/2017 - 11/10/2017	11/9/2017 - 11/10/2017
11/10/2017	11/10/2017 - 11/11/2017	11/10/2017 - 11/11/2017
11/11/2017	11/11/2017 - 11/12/2017	11/11/2017 - 11/12/2017
11/12/2017	11/12/2017 - 11/13/2017	11/12/2017 - 11/13/2017
11/13/2017	11/13/2017 - 11/14/2017	11/13/2017 - 11/14/2017
11/14/2017	11/14/2017 - 11/15/2017	11/14/2017 - 11/15/2017
11/15/2017	11/15/2017 - 11/16/2017	11/15/2017 - 11/16/2017
11/16/2017	11/16/2017 - 11/17/2017	11/16/2017 - 11/17/2017
11/17/2017	11/17/2017 - 11/18/2017	11/17/2017 - 11/18/2017
11/18/2017	11/18/2017 - 11/19/2017	11/18/2017 - 11/19/2017
11/19/2017	11/19/2017 - 11/20/2017	11/19/2017 - 11/20/2017
11/20/2017	11/20/2017 - 11/21/2017	11/20/2017 - 11/21/2017
11/21/2017	11/21/2017 - 11/22/2017	11/21/2017 - 11/22/2017
11/22/2017	11/22/20	

Date From:	2017-06-14	Top: (ft)	0.00	Azi Reference North:	Grid	Dip Angle: (deg)	67.08
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Should Date:	2017-06-12	Man to Reference North Correction: (den)	6 71 E
Decline (%)	20.1	Decline (%)	20.000
Decline (%)	20.1	Decline (%)	20.000

Borehole Record Casing Record

Hole Size (in)	From (ft)	To (ft)	Size (in)	Weight (lb/ft)	From (ft)	To (ft)
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8.500	1952.00	11121.00	9.625	36.00	30.00	1942.00
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[illegible][illegible]

[illegible]

Mud Record Deviation Record

Type	Fluor (1)	10 (1)	Fluor Size (1)	Fluor Az (Stat)	Fluor Az (Eid)
1	1000000	1000000	1000000	1000000	1000000

[illegible][illegible][illegible][illegible]

Acquisition System	Software Version	Other
...

Baker Hughes Cadence	RT4.1
PlatStudio	4.0.7570.8

[illegible]

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Run No	Bit Run No.	Bit Size (in)	Bit Type	Bit Gauge Length (in)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time		Circ. Hours (h)
						Top	Bottom	From	To	Start Logging	End Logging	
						(ft)	(ft)	(ft)	(ft)			
1	1	8.500	PDC	2.00	AutoTrak Curve	1952.00	1109.00	1952.00	11121.00	2017-06-13 15:36	2017-06-15 05:37	30.88

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
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Ryan Wunderlich	2017-06-12	2017-06-15	Steven Cano	2017-06-12	2017-06-15						
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Mud Properties Record

Date / Time	Run No.	Measured Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2017-06-13 01:47	1	1900.00	Oil Based Mud	9.0	9	N/A	N/A	77.5/22.5	Active Pit	27000	0.00
2017-06-14 07:20	1	6222.00	Oil Based Mud	9.3	10	N/A	N/A	74.7/25.3	Active Pit	32300	0.00
2017-06-15 08:03	1	10738.00	Oil Based Mud	9.3	11	N/A	N/A	74.8/25.2	Active Pit	25000	0.00

Mud Resistivity Record

Date / Time	Run No.	Measured Depth (ft)	Surface Temp (degF)	Surface			BHCT (degF)	Downhole		
				Rm (ohm.m)	Rmf (ohm.m)	Rmc (ohm.m)		Rm @ BHCT (ohm.m)	Rmf @ BHCT (ohm.m)	Rmc @ BHCT (ohm.m)
2017-06-15 08:29	1	11121.00	90.0	100.000	N/A	N/A	200.0	100.000	N/A	N/A

Equipment and Service Data

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	OnTrak	12858682	Pressure	1.23	5602.02	6.750	0.000
1	OnTrak	12858682	Gamma (double)	2.12	5602.91	6.750	0.000
1	OnTrak	12858682	Resistivity (4tx)	6.16	5606.95	6.750	0.000
1	OnTrak	12858682	Directional (mag)	11.95	5612.74	6.750	0.000

Service and Tool Mnemonics

Mnemonic	Name	Description
OTK	OnTrak	Sensor Sub (Inc, Azi, Temp, Azimuthal GR, Res, AP, VSS), OnTrak Platform
BCPM	BCPM	Bi-Directional Communication and Power Module, OnTrak Platform

Comments

1	Depth measurements obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD run 1 utilized 6 3/4 inch Ontrak services (Multiple Propagation Resistivity, Gamma Ray, and Directional) behind a 8 1/2 inch bit and rotary steerable assembly to perform a MAD (Measurement After Drilling) Pass from 1952 to 11121 feet MD (1952 to 6166 feet TVD). The data collected during this run was ream logged up to 12 hours after being drilled and it is presented independent of the drilling log.

Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	5596.00	8.500	1	The interval from 5596 to 11121 feet MD (5586 to 6115 feet TVD) due to sensor to bit offset at well TD.

Curve Mnemonics

Presented Curves	Description	Units
CACLM	Conductivity Attenuation - Corrected - 400kHz	mmho/m
RACHM	Resistivity Attenuation - Corrected - 2MHz	ohm.m
RACLM	Resistivity Attenuation - Corrected - 400kHz	ohm.m
RPCHM	Resistivity Phase - Corrected - 2MHz	ohm.m
RPCLM	Resistivity Phase - Corrected - 400kHz	ohm.m
TCDX	Downhole Temperature	degF
ROPA	Depth Averaged ROP 3 ft Average	ft/h
GRAM	Gamma Ray - Apparent 3 ft Average	API
TCDM	Downhole Temperature	degF



Company

Well

Interval

Created

Noble Energy

Constitution Federal LC21-655

Date From: 2017-06-14 10:23:58

Date To: 2017-06-15 10:24:07

2017-06-15 16:23

Top: 1941.00

Bottom: 5530.00

Gamma Ray - Apparent 3 ft Average [GRAM]

API

Depth Averaged ROP 3 ft Average [ROPA]

ft/h

TVD 1:1200 feet

Resistivity Phase - Corrected - 2MHz [RPCHM]

ohm.m

Resistivity Phase - Corrected - 400kHz [RPCLM]

ohm.m

Resistivity Attenuation - Corrected - 2MHz
[RACHM]

ohm.m

Resistivity Attenuation - Corrected - 400kHz
[RACLM]

ohm.m

Conductivity Attenuation - Corrected - 400kHz
[CACLM]

4000

mmho/m

Downhole Temperature [TCDM]

0

degF

Tool Temperature [TCDX]

0

degF

1800

1900

2000

2100

2200

2300

2400

VR

RPCLM

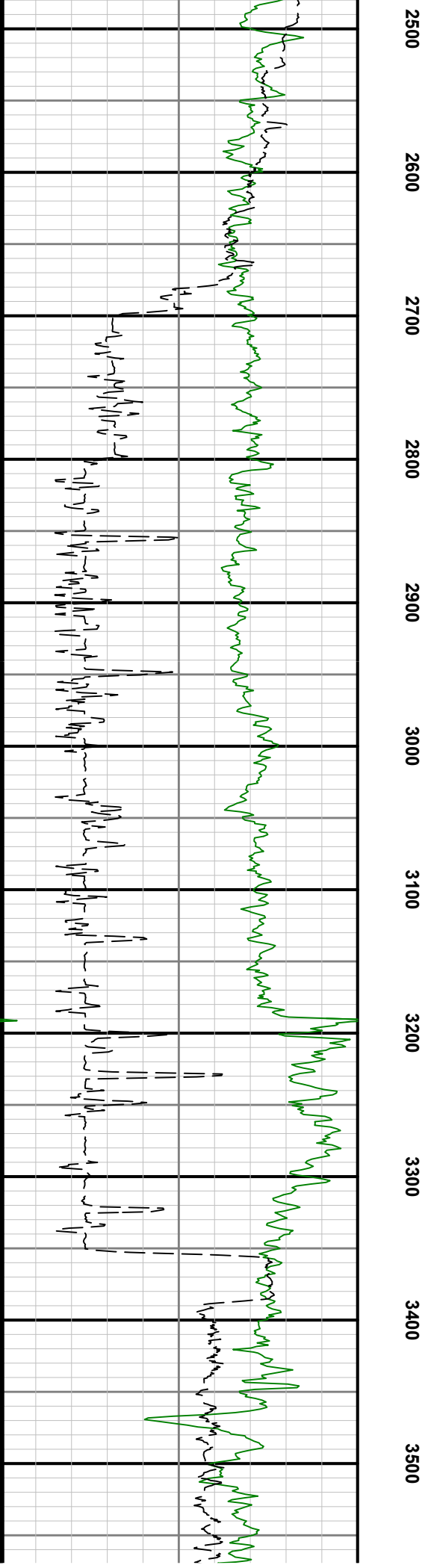
RACLM

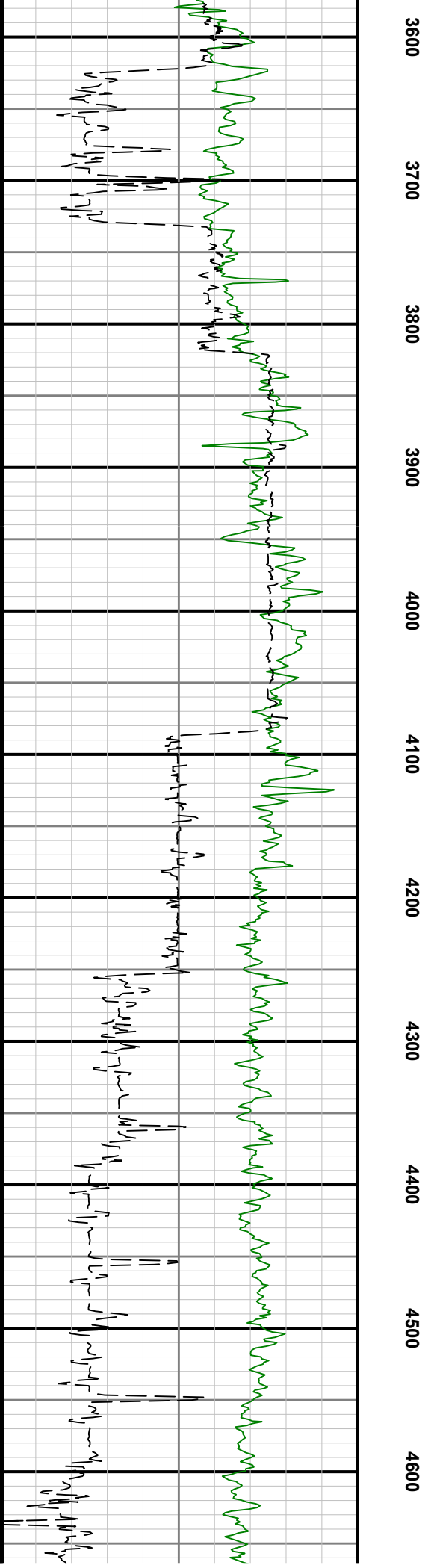
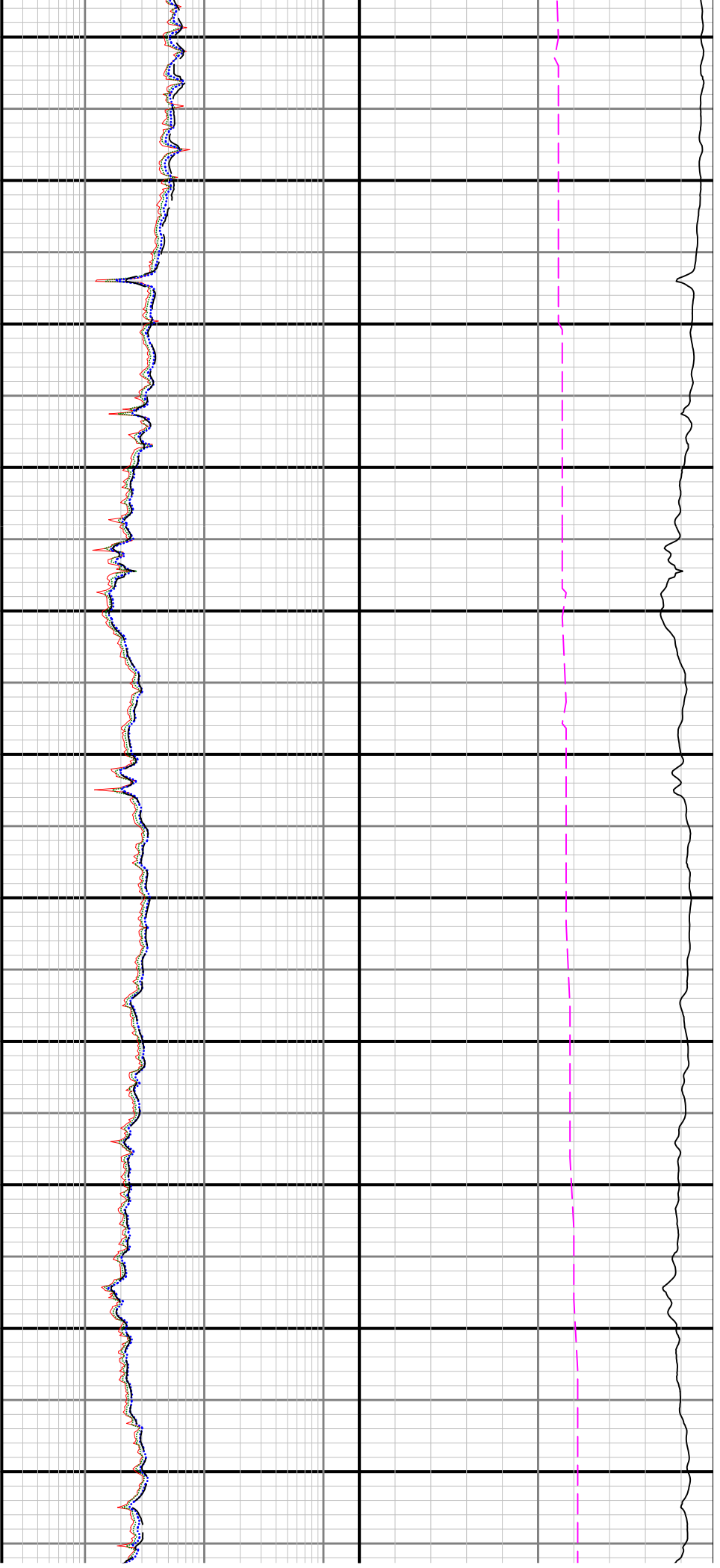
RACHM

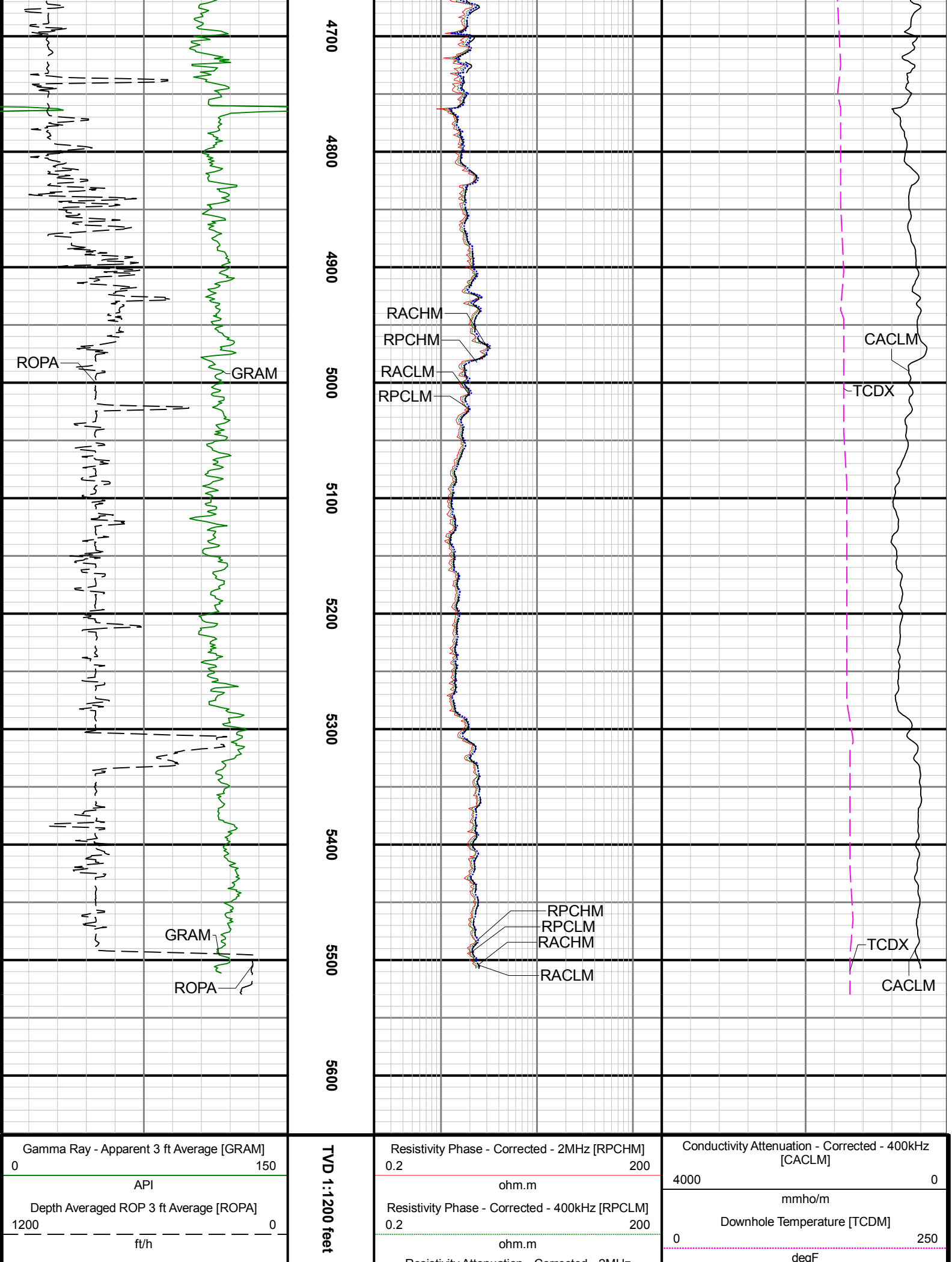
—RPCHM

TCDX

CACLM







		Resistivity Attenuation - Corrected - 2MHz [RACHM]		Tool Temperature [TCDX]	
		0.2	200	0	250
		ohm.m		degF	
		Resistivity Attenuation - Corrected - 400kHz [RACLM]			
		0.2		200	
		ohm.m			

Directional Survey Summary

Latitude:	040° 44' 14.820" N	Longitude:	103° 58' 19.632" E
North Reference:	Grid	Drill Depth Zero:	Rig Floor
Vertical Datum is:	Mean Sea Level	Vertical Datum to DDZ: (ft)	30.00
Vertical Section North: (m)	N/A	Vertical Section East: (m)	N/A
Vertical Section Azimuth: (deg)	N/A		
Grid Convergence: (deg)	N/A	Magnetic Declination: (deg)	N/A
Total Correction: (deg)	6.71	TVD Calculation Method:	Minimum Curvature
Magnetic Correction:	N/A	Local Magnetic Field: (nT)	52633
Local Magnetic Dip Angle: (deg)	67.08	Local Gravity Field: (m/s2)	N/A

Tie-In / Projection	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	North (ft)	East (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Course Length (ft)	Dog Leg Severity (deg/100ft)	Build Rate (deg/100ft)	Turn Rate (deg/100ft)
Tie-In	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	82.00	0.47	272.83	N/A	0.02	-0.34	82.00	0.34	82.00	0.57	0.57	-106.30
	177.00	0.28	275.87	N/A	0.06	-0.96	177.00	0.95	95.00	0.20	-0.20	3.20
	268.00	0.33	284.10	N/A	0.15	-1.43	268.00	1.43	91.00	0.07	0.05	9.04
	362.00	0.33	291.49	N/A	0.31	-1.95	361.99	1.94	94.00	0.05	0.00	7.86
	457.00	0.23	43.43	N/A	0.55	-2.07	456.99	2.06	95.00	0.49	-0.11	117.83
	551.00	0.39	72.59	N/A	0.78	-1.63	550.99	1.62	94.00	0.23	0.17	31.02
	646.00	0.11	169.60	N/A	0.79	-1.31	645.99	1.30	95.00	0.44	-0.29	102.12
	741.00	0.41	112.30	N/A	0.57	-0.98	740.99	0.97	95.00	0.38	0.32	-60.32
	835.00	0.31	121.39	N/A	0.31	-0.45	834.99	0.44	94.00	0.12	-0.11	9.67
	930.00	0.45	148.21	N/A	-0.14	-0.03	929.99	0.04	95.00	0.23	0.15	28.23
	1024.00	0.38	94.13	N/A	-0.48	0.47	1023.98	-0.46	94.00	0.41	-0.07	-57.53
	1119.00	0.27	102.30	N/A	-0.55	1.00	1118.98	-0.99	95.00	0.13	-0.12	8.60
	1213.00	0.11	325.33	N/A	-0.52	1.17	1212.98	-1.16	94.00	0.38	-0.17	-145.71
	1308.00	0.32	83.88	N/A	-0.42	1.38	1307.98	-1.37	95.00	0.41	0.22	124.79
	1403.00	0.49	89.81	N/A	-0.39	2.05	1402.98	-2.04	95.00	0.18	0.18	6.24
	1497.00	0.66	105.40	N/A	-0.53	2.97	1496.97	-2.97	94.00	0.24	0.18	16.59
	1592.00	0.41	109.92	N/A	-0.79	3.82	1591.97	-3.81	95.00	0.27	-0.26	4.76
	1686.00	0.21	128.07	N/A	-1.01	4.27	1685.97	-4.26	94.00	0.23	-0.21	19.31
	1781.00	0.38	109.84	N/A	-1.23	4.71	1780.97	-4.69	95.00	0.20	0.18	-19.19
	1876.00	0.68	126.72	N/A	-1.67	5.46	1875.96	-5.43	95.00	0.35	0.32	17.77
	1903.00	0.83	126.44	N/A	-1.88	5.74	1902.96	-5.71	27.00	0.56	0.56	-1.04
	1980.00	0.62	191.90	N/A	-2.62	6.10	1979.96	-6.06	77.00	1.04	-0.27	85.01
	2074.00	0.69	345.94	N/A	-2.57	5.86	2073.95	-5.82	94.00	1.36	0.07	163.87
	2169.00	0.03	247.44	N/A	-2.02	5.70	2168.95	-5.66	95.00	0.73	-0.69	-103.68
	2263.00	0.04	27.45	N/A	-2.00	5.69	2262.95	-5.66	94.00	0.07	0.01	148.95
	2358.00	0.03	154.03	N/A	-2.00	5.72	2357.95	-5.68	95.00	0.07	-0.01	133.24
	2452.00	0.04	135.37	N/A	-2.04	5.75	2451.95	-5.72	94.00	0.02	0.01	-19.85
	2547.00	2.06	306.77	N/A	-1.04	4.41	2546.93	-4.39	95.00	2.21	2.13	180.42
	2642.00	4.95	308.63	N/A	2.54	-0.16	2641.74	0.12	95.00	3.04	3.04	1.96
	2736.00	5.71	308.99	N/A	8.01	-6.97	2735.34	6.83	94.00	0.81	0.81	0.38
	2831.00	5.62	307.77	N/A	13.83	-14.32	2829.87	14.08	95.00	0.16	-0.09	-1.28
	2925.00	5.68	307.95	N/A	19.51	-21.62	2923.42	21.29	94.00	0.07	0.06	0.19
	3020.00	5.51	308.23	N/A	25.23	-28.91	3017.96	28.48	95.00	0.18	-0.18	0.29
	3115.00	5.52	308.81	N/A	30.91	-36.06	3112.52	35.52	95.00	0.06	0.01	0.61
	3209.00	5.54	312.36	N/A	36.80	-42.93	3206.09	42.30	94.00	0.36	0.02	3.78
	3304.00	6.21	334.12	N/A	44.52	-48.56	3300.60	47.79	95.00	2.43	0.71	22.91
	3398.00	6.32	335.86	N/A	53.81	-52.90	3394.04	51.97	94.00	0.23	0.12	1.85
	3493.00	6.31	328.81	N/A	63.05	-57.74	3488.46	56.65	95.00	0.82	-0.01	-7.42
	3587.00	6.33	315.94	N/A	71.20	-64.02	3581.90	62.79	94.00	1.50	0.02	-13.69
	3682.00	6.54	282.52	N/A	76.13	-72.95	3676.33	71.63	95.00	3.89	0.22	-35.18
	3776.00	6.95	233.28	N/A	73.89	-82.74	3769.75	81.46	94.00	5.98	0.44	-52.38
	3871.00	4.30	204.03	N/A	67.20	-88.80	3864.31	87.64	95.00	4.03	-2.79	-30.79
	3965.00	2.44	202.35	N/A	62.13	-90.99	3958.14	89.92	94.00	1.98	-1.98	-1.79
	4060.00	0.07	301.44	N/A	60.29	-91.81	4053.11	90.77	95.00	2.58	-2.49	104.31
	4155.00	0.03	150.02	N/A	60.30	-91.85	4148.11	90.81	95.00	0.10	-0.04	-159.39
	4249.00	0.03	40.78	N/A	60.30	-91.82	4242.11	90.78	94.00	0.05	0.00	-116.21
	4344.00	0.04	346.15	N/A	60.35	-91.81	4337.11	90.77	95.00	0.04	0.01	-57.51
	4438.00	0.12	64.95	N/A	60.42	-91.73	4431.11	90.69	94.00	0.13	0.09	83.83
	4533.00	0.07	108.30	N/A	60.44	-91.59	4526.11	90.54	95.00	0.09	-0.05	45.63

	4628.00	0.11	50.79	N/A	60.48	-91.46	4621.11	90.41	95.00	0.10	0.04	-60.54
	4722.00	0.26	27.69	N/A	60.73	-91.29	4715.11	90.24	94.00	0.18	0.16	-24.57
	4817.00	0.07	149.52	N/A	60.87	-91.16	4810.11	90.11	95.00	0.32	-0.20	128.24
	4911.00	0.03	175.72	N/A	60.80	-91.13	4904.11	90.08	94.00	0.05	-0.04	27.87
	5006.00	0.04	105.63	N/A	60.76	-91.10	4999.11	90.05	95.00	0.04	0.01	-73.78
	5100.00	0.04	279.57	N/A	60.76	-91.10	5093.11	90.05	94.00	0.08	0.00	185.04
	5195.00	0.06	165.80	N/A	60.72	-91.12	5188.11	90.07	95.00	0.09	0.02	-119.76
	5289.00	0.09	203.47	N/A	60.60	-91.14	5282.11	90.09	94.00	0.06	0.03	40.07
	5384.00	0.04	87.00	N/A	60.53	-91.13	5377.11	90.08	95.00	0.12	-0.05	-122.60
	5478.00	0.10	32.76	N/A	60.61	-91.06	5471.11	90.01	94.00	0.09	0.06	-57.70
	5573.00	7.84	282.81	N/A	62.11	-97.34	5565.81	96.26	95.00	8.29	8.15	-115.74
	5668.00	16.52	288.02	N/A	67.74	-116.54	5658.59	115.36	95.00	9.20	9.14	5.48
	5707.00	18.56	283.81	N/A	70.94	-127.84	5695.78	126.61	39.00	6.16	5.23	-10.79
	5801.00	25.01	264.93	N/A	72.76	-162.24	5783.12	160.97	94.00	10.05	6.86	-20.09
	5896.00	32.58	272.36	N/A	72.03	-207.88	5866.34	206.62	95.00	8.80	7.97	7.82
	5990.00	41.12	271.32	N/A	73.79	-264.17	5941.49	262.87	94.00	9.11	9.09	-1.11
	6085.00	49.84	265.54	N/A	71.68	-331.75	6008.07	330.48	95.00	10.15	9.18	-6.08
	6179.00	58.51	264.99	N/A	65.38	-407.63	6063.03	406.46	94.00	9.24	9.22	-0.59
	6274.00	67.16	266.33	N/A	59.03	-491.83	6106.37	490.75	95.00	9.19	9.11	1.41
	6369.00	77.09	267.57	N/A	54.25	-582.00	6135.49	580.99	95.00	10.53	10.45	1.31
	6463.00	86.06	268.27	N/A	50.88	-674.83	6149.25	673.86	94.00	9.57	9.54	0.74
	6558.00	90.49	269.02	N/A	48.64	-769.74	6152.11	768.80	95.00	4.73	4.66	0.79
	6652.00	90.46	267.83	N/A	46.06	-863.70	6151.33	862.79	94.00	1.27	-0.03	-1.27
	6747.00	90.37	268.39	N/A	42.92	-958.64	6150.64	957.77	95.00	0.60	-0.09	0.59
	6841.00	90.43	269.83	N/A	41.46	-1052.63	6149.99	1051.77	94.00	1.53	0.06	1.53
	6936.00	90.43	270.15	N/A	41.45	-1147.63	6149.27	1146.75	95.00	0.34	0.00	0.34
	7030.00	90.46	269.83	N/A	41.43	-1241.62	6148.54	1240.73	94.00	0.34	0.03	-0.34
	7125.00	90.55	271.42	N/A	42.47	-1336.61	6147.70	1335.69	95.00	1.68	0.09	1.67
	7220.00	90.46	270.71	N/A	44.23	-1431.59	6146.87	1430.62	95.00	0.75	-0.09	-0.75
	7314.00	90.34	269.14	N/A	44.11	-1525.58	6146.21	1524.61	94.00	1.68	-0.13	-1.67
	7408.00	90.28	267.14	N/A	41.06	-1619.53	6145.70	1618.59	94.00	2.13	-0.06	-2.13
	7503.00	90.40	264.52	N/A	34.15	-1714.27	6145.14	1713.43	95.00	2.76	0.13	-2.76
	7597.00	90.46	265.10	N/A	25.65	-1807.88	6144.43	1807.18	94.00	0.62	0.06	0.62
	7692.00	90.40	266.39	N/A	18.60	-1902.61	6143.72	1902.02	95.00	1.36	-0.06	1.36
	7787.00	90.52	267.68	N/A	13.69	-1997.48	6142.96	1996.95	95.00	1.36	0.13	1.36
	7881.00	90.52	267.11	N/A	9.41	-2091.38	6142.10	2090.91	94.00	0.61	0.00	-0.61
	7976.00	90.52	266.71	N/A	4.29	-2186.24	6141.24	2185.84	95.00	0.42	0.00	-0.42
	8071.00	90.37	266.52	N/A	-1.32	-2281.07	6140.50	2280.76	95.00	0.25	-0.16	-0.20
	8165.00	90.18	265.77	N/A	-7.64	-2374.85	6140.05	2374.64	94.00	0.82	-0.20	-0.80
	8260.00	90.46	265.94	N/A	-14.50	-2469.60	6139.52	2469.49	95.00	0.34	0.29	0.18
	8449.00	90.37	267.59	N/A	-25.17	-2658.29	6138.15	2658.33	189.00	0.87	-0.05	0.87
	8544.00	90.43	268.82	N/A	-28.14	-2753.24	6137.49	2753.32	95.00	1.30	0.06	1.29
	8638.00	90.37	268.70	N/A	-30.18	-2847.22	6136.83	2847.32	94.00	0.14	-0.06	-0.13
	8733.00	90.37	268.07	N/A	-32.85	-2942.18	6136.22	2942.31	95.00	0.66	0.00	-0.66
	8827.00	90.55	268.35	N/A	-35.79	-3036.13	6135.47	3036.29	94.00	0.35	0.19	0.30
	8922.00	90.68	268.08	N/A	-38.75	-3131.07	6134.45	3131.28	95.00	0.32	0.14	-0.28
	9112.00	90.62	269.29	N/A	-43.11	-3321.01	6132.29	3321.26	190.00	0.64	-0.03	0.64
	9206.00	90.71	270.79	N/A	-43.04	-3415.00	6131.20	3415.24	94.00	1.60	0.10	1.60
	9301.00	90.80	267.94	N/A	-44.10	-3509.98	6129.95	3510.22	95.00	3.00	0.09	-3.00
	9395.00	90.43	270.10	N/A	-45.70	-3603.95	6128.94	3604.21	94.00	2.33	-0.39	2.30
	9490.00	90.40	270.24	N/A	-45.42	-3698.95	6128.25	3699.18	95.00	0.15	-0.03	0.15
	9584.00	90.40	269.13	N/A	-45.94	-3792.94	6127.59	3793.17	94.00	1.18	0.00	-1.18
	9679.00	90.37	269.06	N/A	-47.44	-3887.93	6126.96	3888.17	95.00	0.08	-0.03	-0.07
	9774.00	90.49	269.51	N/A	-48.62	-3982.92	6126.24	3983.17	95.00	0.49	0.13	0.47
	9963.00	90.49	269.43	N/A	-50.37	-4171.90	6124.63	4172.16	189.00	0.04	0.00	-0.04
	10057.00	90.43	269.39	N/A	-51.34	-4265.90	6123.87	4266.15	94.00	0.08	-0.06	-0.04
	10152.00	90.46	269.03	N/A	-52.65	-4360.88	6123.13	4361.15	95.00	0.38	0.03	-0.38
	10247.00	90.46	268.78	N/A	-54.47	-4455.86	6122.37	4456.14	95.00	0.26	0.00	-0.26
	10341.00	90.46	268.63	N/A	-56.59	-4549.84	6121.62	4550.14	94.00	0.16	0.00	-0.16
	10436.00	90.43	268.80	N/A	-58.72	-4644.81	6120.88	4645.13	95.00	0.18	-0.03	0.18
	10530.00	90.49	268.49	N/A	-60.94	-4738.78	6120.12	4739.13	94.00	0.34	0.06	-0.33
	10719.00	90.34	267.24	N/A	-67.98	-4927.64	6118.76	4928.08	189.00	0.67	-0.08	-0.66
	10814.00	90.40	267.48	N/A	-72.36	-5022.54	6118.14	5023.04	95.00	0.26	0.06	0.25
	10908.00	90.52	267.44	N/A	-76.53	-5116.44	6117.39	5117.00	94.00	0.13	0.13	-0.04
	11003.00	90.40	266.99	N/A	-81.14	-5211.33	6116.62	5211.95	95.00	0.49	-0.13	-0.47
	11097.00	90.34	267.66	N/A	-85.53	-5305.22	6116.02	5305.91	94.00	0.72	-0.06	0.71
Projection	11121.00	90.34	267.66	N/A	-86.51	-5329.20	6115.88	5329.90	24.00	0.00	0.00	0.00