

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

30-015-44497

Well Reference:
8, 24S, 31E, Eddy NM
N 32.22578 W -103.80098

I, Cen Chen certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of December 06, 2017 through January 14, 2018, conduct or supervise the taking of the TelePacer surveys from a depth of 9660.00 feet to a depth of 15344.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of OXY USA INC. for the Patton MDP1 17 Federal 4H Well (Original Hole) API No. 30-015-44497 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Cen Chen
FE

Subscribed and Sworn to before me this 5th day of February (month) 2018 (yr)

My Commission expires:

12-20-2020

J. Allemand
Notary Public

Adams County Colorado
(County State)

(signature)
JENNIFER ALLEMAND
Notary Public
State of Colorado
Notary ID # 20164047961
My Commission Expires 12-20-2020

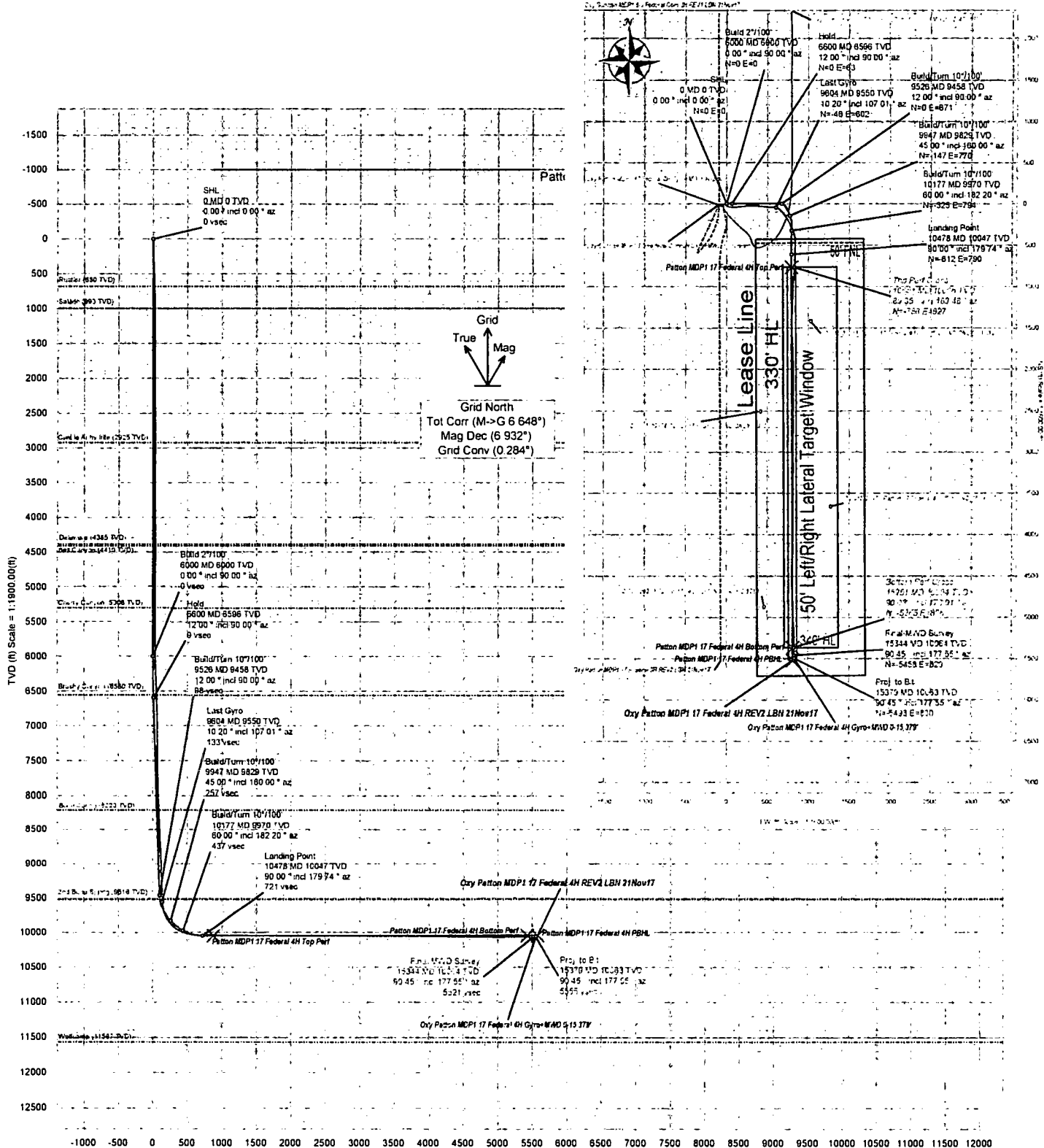
Schlumberger

OXY



Borehole: Original Borehole Well: Oxy Patton MDP1 17 Federal 4H Field: NM Eddy County (NAD 83) Structure: Oxy Patton MDP1 17 Federal 4H

Gravity & Magnetic Parameters Model: HDGM 2017 Dip: 68.883° Date: 02-Jan-2018 Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet Miscellaneos Oxy Patton MDP1 17 Federal 4H TVD Ref: RKB=26.5' (3567.2m above MSL) MagDec: 6.932° PS: 48059.885mT Gravity FS: 938.428mgals (9.80665 Based) Lat: N 32.13 32.61 Northing: 446280.6mUS Grid Conv: 0.2839° Scale Fact: 0.99994813 Plan: Oxy Patton MDP1 17 Federal 4H REV2 LBN 21Nov17



Oxy Patton MDP1 17 Federal 4H Gyro+MWD 0-15,379' Survey Geodetic Report

(Def Survey)



Report Date: January 14, 2018 - 03:05 PM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Patton MDP1 17 Federal 4H / Oxy Patton MDP1 17 Federal 4H Well: Oxy Patton MDP1 17 Federal 4H Borehole: Original Borehole UWI / API#: Unknown / Unknown Survey Name: Oxy Patton MDP1 17 Federal 4H Gyro+MWD 0-15,379' Survey Date: January 02, 2018 Tort / AHD / DDI / ERD Ratio: 207 445' / 6188 099 ft / 6 293 / 0 615 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 13' 32.81021" W 103° 48' 3.51963" Location Grid N/E Y/X: N 446280 600 ftUS E 705956 760 ftUS CRS Grid Convergence Angle: 0 2839° Grid Scale Factor: 0.99994013 Version / Patch: 2 10 696 0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 171 630° (Grid North) Vertical Section Origin: 0 000 ft, 0 000 ft TVD Reference Datum: RKB=25.5' TVD Reference Elevation: 3567 200 ft above MSL Seabed / Ground Elevation: 3540 700 ft above MSL Magnetic Declination: 6 932° Total Gravity Field Strength: 998 4279mgN (9 80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 48059 686 nT Magnetic Dip Angle: 59 983° Declination Date: January 02, 2018 Magnetic Declination Model: HDGM 2017 North Reference: Grid North Grid Convergence Used: 0 2839° Total Corr Mag North->Grid North: 6 5480° Local Coord Referenced To: Well Head	
--	---	--

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	446280.60	705956.76	N 32 13 32.81 W 103 48 3.52	
	26.60	0.00	0.00	26.60	0.00	0.00	0.00	0.00	446280.60	705956.76	N 32 13 32.81 W 103 48 3.52	
	84.67	0.93	52.29	84.67	-0.23	0.29	0.37	1.60	446280.89	705957.13	N 32 13 32.81 W 103 48 3.52	
	179.04	0.48	203.64	179.03	-0.27	0.39	0.82	1.45	446280.99	705957.58	N 32 13 32.81 W 103 48 3.51	
	273.16	1.76	213.89	273.13	1.13	-1.17	-0.14	1.37	446279.43	705956.62	N 32 13 32.80 W 103 48 3.52	
	367.63	2.28	210.26	367.55	3.67	-3.99	-1.90	0.57	446276.61	705954.86	N 32 13 32.77 W 103 48 3.54	
	462.11	2.43	207.92	461.95	6.76	-7.39	-3.78	0.19	446273.21	705952.98	N 32 13 32.74 W 103 48 3.56	
	554.63	2.40	204.87	554.38	9.96	-10.88	-5.52	0.14	446269.72	705951.24	N 32 13 32.70 W 103 48 3.58	
	647.09	2.56	200.49	646.76	13.39	-14.57	-7.05	0.27	446266.03	705949.71	N 32 13 32.67 W 103 48 3.60	
	739.61	2.46	191.00	739.19	17.07	-18.45	-8.16	0.46	446262.15	705948.60	N 32 13 32.63 W 103 48 3.62	
	832.09	1.11	173.48	831.62	19.84	-21.29	-8.43	1.56	446259.31	705948.33	N 32 13 32.60 W 103 48 3.62	
	924.63	0.36	131.82	924.15	20.96	-22.38	-8.12	0.94	446258.23	705948.65	N 32 13 32.59 W 103 48 3.62	
	1017.13	0.30	105.40	1016.65	21.28	-22.63	-7.67	0.17	446257.87	705949.10	N 32 13 32.59 W 103 48 3.61	
	1109.66	0.29	105.46	1109.18	21.47	-22.76	-7.21	0.01	446257.84	705949.55	N 32 13 32.59 W 103 48 3.60	
	1202.16	0.31	130.80	1201.68	21.75	-22.99	-6.79	0.14	446257.62	705949.97	N 32 13 32.58 W 103 48 3.60	
	1294.66	0.28	102.07	1294.18	22.02	-23.20	-6.38	0.16	446257.40	705950.38	N 32 13 32.58 W 103 48 3.60	
	1387.09	0.29	108.80	1386.61	22.21	-23.32	-5.94	0.04	446257.28	705950.82	N 32 13 32.58 W 103 48 3.59	
	1481.65	0.31	134.54	1481.17	22.52	-23.58	-5.53	0.14	446257.03	705951.23	N 32 13 32.58 W 103 48 3.59	
	1576.09	0.32	136.96	1575.61	22.94	-23.95	-5.17	0.02	446256.85	705951.59	N 32 13 32.57 W 103 48 3.58	
	1670.66	0.28	346.94	1670.17	22.93	-23.92	-4.95	0.61	446256.69	705951.72	N 32 13 32.57 W 103 48 3.58	
	1765.09	0.19	113.14	1764.60	22.78	-23.75	-4.95	0.45	446256.85	705951.81	N 32 13 32.58 W 103 48 3.58	
	1859.43	0.19	112.24	1858.94	22.94	-23.87	-4.66	0.44	446256.73	705952.10	N 32 13 32.57 W 103 48 3.58	
	1953.93	0.28	349.01	1953.44	22.79	-23.71	-4.56	0.44	446256.90	705952.20	N 32 13 32.58 W 103 48 3.57	
	2048.54	0.20	117.18	2048.05	22.66	-23.55	-4.46	0.46	446257.05	705952.31	N 32 13 32.58 W 103 48 3.57	
	2142.99	0.13	134.59	2142.50	22.84	-23.71	-4.23	0.09	446256.90	705952.53	N 32 13 32.58 W 103 48 3.57	
	2237.34	0.19	120.02	2236.85	23.02	-23.86	-4.02	0.08	446256.74	705952.74	N 32 13 32.57 W 103 48 3.57	
	2331.62	0.19	121.37	2331.13	23.22	-24.02	-3.75	0.00	446256.58	705953.01	N 32 13 32.57 W 103 48 3.56	
	2425.89	0.18	131.50	2425.40	23.43	-24.20	-3.51	0.04	446256.40	705953.25	N 32 13 32.57 W 103 48 3.56	
	2520.35	0.19	122.28	2519.86	23.64	-24.38	-3.26	0.03	446256.22	705953.50	N 32 13 32.57 W 103 48 3.56	
	2614.73	0.19	359.46	2614.24	23.59	-24.31	-3.13	0.35	446256.29	705953.63	N 32 13 32.57 W 103 48 3.56	
	2709.03	0.20	1.69	2708.54	23.27	-23.99	-3.13	0.01	446256.62	705953.63	N 32 13 32.57 W 103 48 3.56	
	2803.41	0.09	68.35	2802.92	23.10	-23.79	-3.06	0.19	446256.81	705953.70	N 32 13 32.57 W 103 48 3.56	
	2897.82	0.36	240.64	2897.33	23.18	-23.91	-3.25	0.48	446256.69	705953.51	N 32 13 32.57 W 103 48 3.56	
	2992.36	0.43	202.26	2991.87	23.60	-24.39	-3.64	0.28	446256.22	705953.12	N 32 13 32.57 W 103 48 3.56	
	3086.83	0.25	16.50	3086.34	23.71	-24.52	-3.71	0.72	446256.09	705953.05	N 32 13 32.57 W 103 48 3.56	
	3181.11	0.28	9.04	3180.62	23.31	-24.09	-3.62	0.05	446256.51	705953.14	N 32 13 32.57 W 103 48 3.56	
	3275.64	0.44	292.50	3275.14	22.90	-23.72	-3.92	0.49	446256.88	705952.84	N 32 13 32.58 W 103 48 3.57	
	3369.99	0.46	251.98	3369.49	22.78	-23.70	-4.61	0.33	446256.90	705952.15	N 32 13 32.58 W 103 48 3.57	
	3464.48	0.28	233.65	3463.98	22.95	-23.96	-5.16	0.23	446256.64	705951.60	N 32 13 32.57 W 103 48 3.58	
	3558.87	0.30	239.79	3558.37	23.15	-24.22	-5.56	0.04	446256.38	705951.20	N 32 13 32.57 W 103 48 3.59	
	3653.31	0.34	148.56	3652.81	23.50	-24.58	-5.63	0.49	446256.02	705951.13	N 32 13 32.57 W 103 48 3.59	
	3747.61	0.29	106.57	3747.11	23.86	-24.89	-5.25	0.24	446255.71	705951.51	N 32 13 32.56 W 103 48 3.58	
	3842.08	0.31	119.00	3841.57	24.11	-25.08	-4.80	0.07	446255.52	705951.96	N 32 13 32.56 W 103 48 3.58	
	3936.33	0.34	145.93	3935.82	24.52	-25.44	-4.42	0.16	446255.17	705952.34	N 32 13 32.56 W 103 48 3.57	
	4030.51	0.34	145.00	4030.00	25.02	-25.90	-4.10	0.01	446254.71	705952.66	N 32 13 32.55 W 103 48 3.57	
	4124.86	0.33	152.52	4124.35	25.53	-26.37	-3.82	0.05	446254.24	705952.94	N 32 13 32.55 W 103 48 3.57	
	4219.12	0.40	149.81	4218.61	26.09	-26.89	-3.53	0.08	446253.71	705953.23	N 32 13 32.54 W 103 48 3.56	
	4313.49	0.26	127.17	4312.98	26.55	-27.31	-3.19	0.20	446253.30	705953.57	N 32 13 32.54 W 103 48 3.56	
	4407.84	0.24	110.31	4407.33	26.80	-27.50	-2.83	0.08	446253.10	705953.93	N 32 13 32.54 W 103 48 3.55	
	4502.26	0.23	33.89	4501.74	26.75	-27.42	-2.54	0.31	446253.19	705954.22	N 32 13 32.54 W 103 48 3.55	
	4596.79	0.28	8.64	4596.27	26.39	-27.03	-2.40	0.13	446253.57	705954.38	N 32 13 32.54 W 103 48 3.55	
	4691.12	0.17	29.23	4690.60	26.06	-26.68	-2.30	0.14	446253.92	705954.46	N 32 13 32.55 W 103 48 3.55	
	4785.68	0.34	298.69	4785.16	25.78	-26.42	-2.48	0.40	446254.18	705954.28	N 32 13 32.55 W 103 48 3.55	
	4880.12	0.46	206.79	4879.60	25.39	-26.12	-3.06	0.13	446254.48	705953.70	N 32 13 32.55 W 103 48 3.56	
	4974.42	0.32	316.32	4973.90	24.96	-25.76	-3.58	0.20	446254.85	705953.18	N 32 13 32.56 W 103 48 3.56	
	5068.82	0.36	294.81	5068.30	24.58	-25.44	-4.03	0.14	446255.16	705952.73	N 32 13 32.56 W 103 48 3.57	
	5163.20	0.35	295.77	5162.67	24.26	-25.19	-4.56	0.01	446255.41	705952.20	N 32 13 32.56 W 103 48 3.57	
	5257.78	0.36	290.82	5257.25	23.95	-24.96	-5.10	0.03	446255.64	705951.66	N 32 13 32.56 W 103 48 3.58	
	5351.98	0.37	292.69	5351.45	23.65	-24.74	-5.66	0.02	446255.86	705951.10	N 32 13 32.57 W 103 48 3.59	
	5446.53	0.35	134.34	5446.00	23.72	-24.82	-5.73	0.75	446255.78	705951.03	N 32 13 32.56 W 103 48 3.59	
	5541.03	0.36	132.05	5540.50	24.18	-25.22	-5.30	0.02	446255.38	705951.46	N 32 13 32.56 W 103 48 3.58	
	5635.52	0.36	138.78	5634.99	24.66	-25.64	-4.89	0.04	446254.96	705951.87	N 32 13 32.56 W 103 48 3.58	
	5729.80	0.35	132.19	5729.26	25.13	-25.66	-4.48	0.04	446254.54	705952.28	N 32 13 32.55 W 103 48 3.57	
	5824.37	0.34	102.13	5823.83	25.45	-26.11	-3.99	0.19	446254.29	705952.77	N 32 13 32.55 W 103 48 3.57	
	5918.54	0.35	122.81	5918.00	25.74	-26.53	-3.48	0.13	446253.98	705953.28	N 32 13 32.55 W 103 48 3.56	
	6013.00	1.68	104.07	6012.44	26.46	-27.02	-1.89	1.43	446253.58	705954.87	N 32 13 32.54 W 103 48 3.54	
	6107.47	3.49	104.75	6106.81	28.12	-28.09	2.23	1.62	446252.51	705958.99	N 32 13 32.53 W 103 48 3.50	
	6201.80	5.49	104.79	6200.85	31.02	-29.97	9.37	2.12	446250.63	705966.26	N 32 13 32.51 W 103 48 3.41	
	6296.23	7.21	102.93	6294.70	34.95	-32.45	19.52	1.83	446248.15	705976.26	N 32 13 32.46 W 103 48 3.29	
	6390.56	9.07	101.75	6388.07	39.66	-35.29	32.57	1.98	446245.31	705986.32	N 32 13 32.46 W 103 48 2.96	
	6484.90	10.49	96.99	6481.04	44.49	-37.85	48.37	1.73	446242.75	706005.13	N 32 13 32.43 W 103 48 2.76	
	6579.40	10.80	93.75	6573.92	48.63	-39.48	65.75	0.71	446241.13	706022.50	N 32 13 32.42 W 103 48 2.55	
	6673.92	10.79	93.80	6666.76	52.35	-40.64	83.41	0.01	446239.96	706040.17	N 32 13 32.40 W 103 48 2.35	
	6768.22	10.77	88.64	6759.40	55.29	-41.02	101.03	1.02	446239.58	706057.78	N 32 13 32.40 W 103 48 2.35	
	6862.69	10.68	83.00	6852.22	56.57	-39.74	118.54	1.11	446240.86	706075.29	N 32 13 32.41 W 103 48 2.14	
	6957.08	10.76	83.41	6944.97	57.06	-37.66	135.97	0.12	446242.94	706092.73	N 32 13 32.43 W 103 48 1.94	
	7051.66	10.68	83.75									

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	7146 02	10 56	83 79	7130 84	58 30	-33 81	170 74	0 13	446246 79	706127 49	N 32 13 32 47 W 103 48 1 53	
	7240 52	10 55	83 56	7223 54	58 92	-31 90	187 95	0 05	446248 70	706144 70	N 32 13 32 49 W 103 48 1 33	
	7334 84	10 67	83 44	7316 25	59 49	-29 94	205 20	0 13	446250 67	706161 95	N 32 13 32 50 W 103 48 1 13	
	7429 13	10 62	83 98	7408 91	60 12	-28 03	222 52	0 12	446252 57	706179 26	N 32 13 32 52 W 103 48 0 93	
	7523 45	10 59	84 92	7501 62	60 97	-26 35	239 79	0 19	446254 25	706196 54	N 32 13 32 54 W 103 48 0 73	
	7617 98	10 69	84 98	7594 53	61 99	-24 81	257 18	0 11	446255 79	706213 92	N 32 13 32 55 W 103 48 0 53	
	7712 44	10 25	85 61	7687 42	63 08	-23 40	274 29	0 48	446257 20	706231 03	N 32 13 32 57 W 103 48 0 33	
	7806 85	10 47	88 27	7780 29	64 66	-22 50	291 23	0 56	446258 10	706247 98	N 32 13 32 57 W 103 48 0 13	
	7901 37	10 69	88 15	7873 20	66 84	-21 96	308 58	0 23	446258 64	706265 32	N 32 13 32 58 W 103 47 59 93	
	7995 92	9 78	91 46	7965 25	69 01	-21 88	325 37	1 15	446258 72	706282 11	N 32 13 32 58 W 103 47 59 73	
	8090 37	9 95	97 14	8059 30	72 58	-23 10	341 49	1 05	446257 50	706298 23	N 32 13 32 56 W 103 47 59 55	
	8184 77	10 34	96 26	8152 23	76 88	-25 04	358 00	0 44	446255 57	706314 74	N 32 13 32 56 W 103 47 59 35	
	8279 31	10 29	94 75	8245 24	80 94	-26 66	374 85	0 29	446253 94	706331 59	N 32 13 32 53 W 103 47 59 16	
	8373 84	9 96	95 56	8338 30	84 83	-28 15	391 40	0 38	446252 45	706348 14	N 32 13 32 51 W 103 47 58 97	
	8468 25	9 19	95 39	8431 39	88 59	-29 65	407 04	0 82	446250 95	706363 77	N 32 13 32 50 W 103 47 58 78	
	8562 71	9 79	95 76	8524 56	92 34	-31 17	422 54	0 64	446249 44	706379 27	N 32 13 32 48 W 103 47 58 60	
	8657 23	10 56	95 46	8617 59	96 37	-32 80	439 15	0 82	446247 81	706395 89	N 32 13 32 46 W 103 47 58 41	
	8751 57	10 51	98 73	8710 34	100 97	-34 92	456 26	0 64	446245 68	706413 00	N 32 13 32 44 W 103 47 58 21	
	8846 09	10 54	97 01	8803 27	105 80	-37 29	473 36	0 33	446243 31	706430 10	N 32 13 32 42 W 103 47 58 01	
	8940 41	10 48	96 22	8896 01	110 25	-39 27	490 45	0 17	446241 33	706447 18	N 32 13 32 40 W 103 47 57 81	
	9034 93	10 32	95 78	8898 97	114 48	-41 05	507 42	0 19	446239 55	706464 15	N 32 13 32 38 W 103 47 57 62	
	9129 42	10 21	93 96	9081 95	118 34	-42 49	524 20	0 36	446238 12	706480 93	N 32 13 32 36 W 103 47 57 42	
	9223 79	8 19	91 40	9175 10	121 27	-43 23	539 26	2 18	446237 38	706495 99	N 32 13 32 36 W 103 47 57 24	
	9318 12	11 00	91 78	9268 10	123 99	-43 67	554 98	2 98	446236 93	706511 70	N 32 13 32 35 W 103 47 57 06	
	9412 64	9 93	89 84	9361 05	126 75	-43 93	572 14	1 19	446236 67	706528 87	N 32 13 32 35 W 103 47 56 86	
	9507 20	8 22	87 00	9454 42	128 54	-43 55	587 05	1 87	446237 05	706543 77	N 32 13 32 35 W 103 47 56 69	
Last Gyro	9603 81	10 20	107 01	9549 81	132 86	-45 69	602 13	3 87	446234 91	706558 85	N 32 13 32 33 W 103 47 56 51	
	9660 00	13 30	108 20	9604 81	137 88	-49 17	613 03	5 53	446231 43	706569 75	N 32 13 32 29 W 103 47 56 39	
	9755 00	23 73	128 94	9694 86	156 89	-64 65	638 37	12 82	446215 95	706595 09	N 32 13 32 14 W 103 47 56 09	
	9849 00	33 96	138 22	9777 13	192 82	-96 22	670 68	11 85	446184 39	706627 40	N 32 13 31 83 W 103 47 55 72	
	9943 00	43 33	142 05	9850 48	242 91	-141 34	708 10	10 28	446139 27	706664 81	N 32 13 31 38 W 103 47 55 29	
	10038 00	50 75	148 91	9958 47	305 31	-198 66	747 21	9 42	446081 96	706703 93	N 32 13 30 81 W 103 47 54 83	
	10122 00	60 21	155 58	10004 25	378 30	-267 17	782 98	11 63	446013 44	706739 69	N 32 13 30 13 W 103 47 54 42	
	10227 00	75 43	160 85	10024 25	463 63	-348 66	815 31	16 82	445931 96	706772 02	N 32 13 29 32 W 103 47 54 05	
	10321 00	80 94	175 48	10023 59	555 18	-438 44	834 01	16 32	445842 19	706790 71	N 32 13 28 43 W 103 47 53 84	
	10416 00	88 09	182 17	10032 67	648 88	-532 87	835 91	10 28	445747 76	706792 62	N 32 13 27 56 W 103 47 53 82	
	10470 00	88 88	181 26	10034 10	702 02	-566 83	834 29	2 23	445693 81	706791 00	N 32 13 26 50 W 103 47 53 84	
	10569 00	89 50	182 38	10035 50	799 45	-695 77	831 15	1 29	445594 88	706787 86	N 32 13 25 98 W 103 47 53 88	
	10758 00	89 16	184 91	10037 71	984 28	-874 35	819 14	1 35	445406 30	706775 85	N 32 13 24 12 W 103 47 54 03	
	10852 00	89 21	183 11	10039 05	1076 08	-968 11	812 56	0 65	445312 55	706769 27	N 32 13 23 19 W 103 47 54 12	
	10946 00	89 16	182 50	10040 38	1168 29	-1061 99	807 96	0 65	445218 68	706764 67	N 32 13 22 26 W 103 47 54 18	
	11135 00	89 05	182 67	10043 33	1353 82	-1250 77	799 44	0 11	445029 80	706756 15	N 32 13 20 39 W 103 47 54 29	
	11324 00	89 61	179 98	10045 55	1540 09	-1439 69	795 07	1 45	444841 00	706751 78	N 32 13 18 53 W 103 47 54 35	
	11418 00	89 55	180 11	10046 23	1633 08	-1533 69	795 00	0 15	444747 01	706751 71	N 32 13 17 60 W 103 47 54 35	
	11607 00	89 27	173 66	10048 18	1821 17	-1722 30	805 26	3 42	444558 41	706761 67	N 32 13 15 73 W 103 47 54 25	
	11702 00	89 38	179 86	10049 30	1915 74	-1817 10	810 63	6 53	444463 62	706767 34	N 32 13 14 79 W 103 47 54 19	
	11796 00	90 06	179 07	10049 76	2008 86	-1911 09	811 51	1 11	444369 83	706768 22	N 32 13 13 86 W 103 47 54 18	
	11985 00	89 89	180 06	10049 84	2196 05	-2100 08	812 94	0 53	444180 65	706769 65	N 32 13 11 99 W 103 47 54 18	
	12079 00	89 89	179 99	10050 03	2289 04	-2194 08	812 90	0 07	444086 65	706769 61	N 32 13 11 06 W 103 47 54 18	
	12268 00	91 12	180 63	10048 36	2475 87	-2383 07	811 88	0 73	443897 68	706768 59	N 32 13 9 19 W 103 47 54 21	
	12457 00	89 78	179 96	10046 88	2662 70	-2572 05	810 90	0 79	443708 71	706767 61	N 32 13 7 32 W 103 47 54 23	
	12646 00	89 38	180 14	10048 26	2849 65	-2761 05	810 74	0 23	443519 72	706767 45	N 32 13 5 45 W 103 47 54 24	
	12740 00	88 94	180 08	10049 64	2942 62	-2855 04	810 56	0 47	443425 74	706767 27	N 32 13 4 52 W 103 47 54 25	
	12835 00	90 10	180 29	10051 26	3036 55	-2950 02	810 25	0 28	443330 76	706766 96	N 32 13 3 58 W 103 47 54 26	
	13024 00	89 62	179 42	10051 73	3223 59	-3139 01	810 73	0 93	443141 78	706767 44	N 32 13 1 71 W 103 47 54 26	
	13118 00	89 27	180 46	10051 82	3316 60	-3233 01	810 83	1 81	443047 79	706767 54	N 32 13 0 78 W 103 47 54 27	
	13213 00	89 94	180 96	10052 47	3410 41	-3328 00	809 65	0 88	442952 81	706766 36	N 32 12 59 84 W 103 47 54 29	
	13307 00	90 17	180 42	10052 38	3503 24	-3421 99	808 52	0 62	442858 82	706765 23	N 32 12 58 91 W 103 47 54 31	
	13401 00	89 16	180 14	10052 93	3596 16	-3515 99	808 06	1 11	442764 83	706764 77	N 32 12 57 98 W 103 47 54 32	
	13495 00	89 10	179 98	10054 36	3689 14	-3609 98	807 96	0 18	442670 85	706764 67	N 32 12 56 11 W 103 47 54 32	
	13590 00	90 84	180 36	10054 41	3783 08	-3704 87	807 69	1 87	442575 86	706764 39	N 32 12 55 18 W 103 47 54 33	
	13684 00	89 61	179 63	10054 04	3876 08	-3798 57	807 69	1 52	442481 87	706764 40	N 32 12 54 18 W 103 47 54 34	
	13779 00	89 55	179 22	10054 73	3970 20	-3893 96	808 64	0 44	442386 88	706765 35	N 32 12 54 24 W 103 47 54 33	
	13875 00	89 16	180 35	10055 81	4065 22	-3989 95	809 00	1 25	442290 89	706765 71	N 32 12 53 29 W 103 47 54 33	
	13970 00	89 66	181 43	10056 79	4158 97	-4084 94	807 53	1 25	442195 92	706764 24	N 32 12 52 35 W 103 47 54 36	
	14064 00	89 50	181 19	10057 48	4251 63	-4178 91	805 38	0 31	442101 95	706762 09	N 32 12 51 42 W 103 47 54 39	
	14159 00	89 61	181 49	10058 22	4345 27	-4273 88	803 16	0 34	442006 99	706759 87	N 32 12 50 48 W 103 47 54 42	
	14253 00	89 50	181 46	10058 95	4437 88	-4367 85	800 74	0 12	441913 03	706757 45	N 32 12 49 55 W 103 47 54 45	
	14347 00	89 22	181 24	10060 00	4530 53	-4461 81	798 52	0 38	441819 06	706755 23	N 32 12 48 62 W 103 47 54 48	
	14442 00	89 61	179 39	10060 97	4624 43	-4556 80	798 00	1 99	441724 08	706754 71	N 32 12 47 68 W 103 47 54 49	
	14536 00	89 05	176 61	10062 07	4717 83	-4650 73	801 28	3 02	441630 16	706757 99	N 32 12 46 75 W 103 47 54 46	
	14725 00	89 66	179 06	10064 20	4905 70	-4839 57	808 42	1 34	441441 33	706755 13	N 32 12 44 88 W 103 47 54 39	
	14819 00	90 17	179 00	10064 34	4998 91	-4933 55	810 01	0 55	441347 35	706766 72	N 32 12 43 95 W 103 47 54 38	
	15009 00	89 94	175 75	10064 15	5187 93	-5123 33	818 71	1 71	441157 59	706775 42	N 32 12 42 07 W 103 47 54 29	
	15103 00	90 22	178 29	10064 02	5281 51	-5217 19	823 60	2 72	441063 73	706780 31	N 32 12 41 15 W 103 47 54 23	
	15197 00	89 78	179 70	10064 02	5374 73	-5311 18	825 24	1 57	440969 75	706781 95	N 32 12 40 22 W 103 47 54 22	