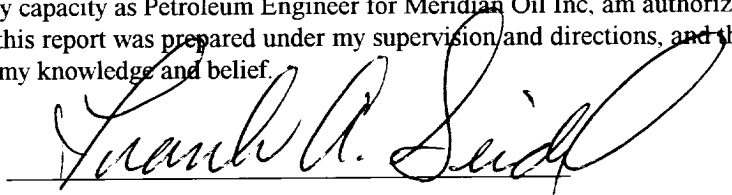


DEVIATION REPORT

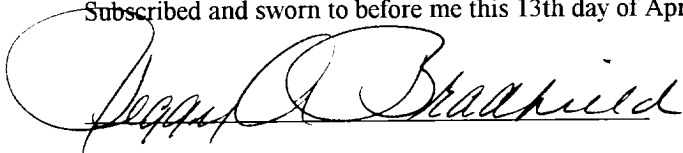
Meridian Oil Inc.
PO Box 4289
Farmington, NM 87499

Ute #8
1750'FSL, 940'FWL
Sec. 15, T-32-N, R-14-W
San Juan County, NM

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer for Meridian Oil Inc, am authorized by said Company to make this report; and that this report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.



Subscribed and sworn to before me this 13th day of April, 1995.



Notary Public in and for San Juan County, New Mexico
My commission expires August 17, 1996

RECEIVED
APR 17 1995
OIL COMMISSION
BUREAU

Geoservices-Directional

Deviation report

Well : UTE-8 ST "B"
 Field : BARKER CREEK PARADOX
 Company : MERIDIAN OIL CO.

Coordinates RECTANGULAR

Well head : Target : Impact :
 X = 0.0 X = 0.0 X = 0.0
 Y = 0.0 Y = 0.0 Y = 0.0
 Z = 0.0 Z = 0.0 Z = 0.0
 Horizontal displacement 0.00 ft
 Total vertical depth 0.00 ft Kick off point 7823.00 ft
 Magnetic declination 12.00 deg Convergence 0.00 deg
 Horizontal projection computed in azimuth North 330.00 deg. (NW 30.00)

RECEIVED
 APR 17 1995
 MERIDIAN OIL CO.

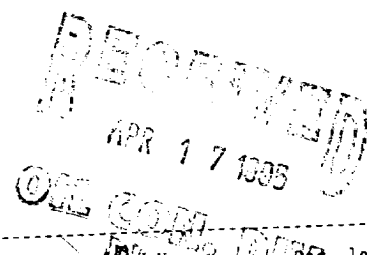
Surv	Measured	Drift	Azimuth	Azimuth	Vertical	Horizntl	Horizntl	Average	Relative Coordinates.		Dog leg		
no	depth	angle	magnet.	geogr.	depth	prjction	displcmt	Az(geo)	East/West	Nor/South	dleg	dlgH	grBu
	feet	degree	degree	degree	feet	feet	feet	degree	feet	feet	/100ft		
Computation method : Radius of curvature													
1	0.0	0.00	0.00	12.00	0.0	0.0	0.0	90.00	0.0 E	0.0 N	0.0	0.0	1.0
2	100.0	0.51	357.72	9.72	100.0	0.3	0.4	10.86	0.1 E	0.4 N	0.5	-0.0	0.5
3	200.0	0.30	13.62	25.62	200.0	0.8	1.1	15.04	0.3 E	1.1 N	0.2	0.1	-0.2
4	300.0	0.20	353.46	5.46	300.0	1.1	1.6	15.17	0.4 E	1.5 N	0.1	-0.1	-0.1
5	400.0	0.15	40.79	52.79	400.0	1.3	1.9	17.38	0.6 E	1.8 N	0.1	0.1	-0.1
6	500.0	0.18	137.16	149.16	500.0	1.1	1.9	25.17	0.8 E	1.7 N	0.2	0.3	0.0
7	600.0	0.20	172.34	184.34	600.0	0.8	1.7	31.94	0.9 E	1.4 N	0.1	0.1	0.0
8	700.0	0.19	152.72	164.72	700.0	0.5	1.4	40.26	0.9 E	1.1 N	0.1	-0.1	-0.0
9	800.0	0.19	119.00	131.00	800.0	0.1	1.4	53.44	1.1 E	0.8 N	0.1	-0.1	0.0
10	1000.0	0.34	139.95	151.95	1000.0	-0.8	1.7	86.77	1.7 E	0.1 N	0.1	0.0	0.1
11	1100.0	0.26	159.35	171.35	1100.0	-1.3	1.9	102.25	1.8 E	0.4 S	0.1	0.1	-0.1
12	1200.0	0.38	149.38	161.38	1200.0	-1.8	2.2	115.56	2.0 E	0.9 S	0.1	-0.1	0.1
13	1300.0	0.58	160.15	172.15	1300.0	-2.6	2.8	129.14	2.2 E	1.8 S	0.2	0.1	0.2
14	1400.0	0.76	164.80	176.80	1400.0	-3.7	3.7	142.14	2.3 E	2.9 S	0.2	0.1	0.2
15	1500.0	0.78	165.84	177.84	1500.0	-4.9	4.9	151.34	2.3 E	4.3 S	0.0	0.0	0.0
16	1600.0	0.76	165.71	177.71	1600.0	-6.1	6.1	156.99	2.4 E	5.6 S	0.0	-0.0	-0.0
17	1700.0	0.75	176.01	188.01	1700.0	-7.2	7.3	161.54	2.3 E	6.9 S	0.1	0.1	-0.0
18	1800.0	0.64	195.55	207.55	1799.9	-8.0	8.3	166.45	1.9 E	8.1 S	0.2	0.2	-0.1
19	1900.0	0.81	202.70	214.70	1899.9	-8.6	9.3	171.96	1.3 E	9.2 S	0.2	0.1	0.2
20	2000.0	0.87	211.01	223.01	1999.9	-9.2	10.3	177.90	0.4 E	10.3 S	0.1	0.1	0.1
21	2100.0	0.68	214.84	226.84	2099.9	-9.5	11.3	182.93	0.6 W	11.3 S	0.2	0.1	-0.2
22	2200.0	0.52	298.31	300.31	2199.9	-9.1	11.5	187.75	1.5 W	11.4 S	0.7	0.8	-0.2
23	2300.0	1.39	329.19	341.19	2299.9	-7.4	10.4	194.31	2.6 W	10.1 S	1.1	0.7	0.9
24	2400.0	1.46	349.25	1.25	2399.9	-5.1	8.2	201.10	3.0 W	7.7 S	0.5	-8.5	0.1
25	2500.0	0.86	32.82	44.82	2499.8	-3.9	6.2	200.48	2.2 W	5.8 S	1.0	0.9	-0.6
26	2600.0	1.03	75.06	87.06	2599.8	-4.1	5.2	187.81	0.7 W	5.2 S	0.7	0.7	0.2
27	2700.0	1.45	78.31	90.31	2699.8	-5.1	5.3	164.24	1.5 E	5.1 S	0.4	0.1	0.4
28	2800.0	1.89	78.58	90.58	2799.8	-6.6	6.8	139.79	4.4 E	5.2 S	0.4	0.0	0.4
29	2900.0	1.90	76.26	88.26	2899.7	-8.2	9.2	123.75	7.7 E	5.1 S	0.1	-0.1	0.0
30	3000.0	1.50	89.50	101.50	2999.7	-9.9	11.9	116.86	10.6 E	5.4 S	0.5	0.4	-0.4
31	3100.0	1.46	89.65	101.65	3099.6	-11.6	14.4	114.15	13.2 E	5.9 S	0.0	0.0	-0.0
32	3200.0	1.63	86.50	98.50	3199.6	-13.4	17.0	111.95	15.8 E	6.4 S	0.2	-0.1	0.2
33	3300.0	1.61	91.77	103.77	3299.6	-15.2	19.8	110.41	18.6 E	6.9 S	0.1	0.1	-0.0
34	3400.0	1.61	91.23	103.23	3399.5	-17.2	22.6	109.56	21.3 E	7.6 S	0.0	-0.0	0.0
35	3500.0	1.74	100.90	112.90	3499.5	-19.3	25.5	109.39	24.1 E	8.5 S	0.3	0.3	0.1

Geoservices-Directional

Deviation report

Well :
Field :
Company :

UTE-8 ST "B"
BARKER CREEK PARADOX
MERIDIAN OIL CO.



Surv no	Measured depth feet	Drift angle degree	Azimuth magnt. degree	Azimuth geogr. degree	Vertical depth feet	Horizntl prjction feet	Horizntl displcmt feet	Average Az(geo) degree	Relative Coordinates East/West feet	Nor/South feet	dleg	digh	grBu
Computation method : Radius of curvature													
36	3600.0	1.87	98.47	110.47	3599.4	-21.8	28.7	109.64	27.0 E	9.6 S	0.2	-0.1	0.1
37	3700.0	1.71	96.07	108.07	3699.4	-24.2	31.8	109.60	30.0 E	10.7 S	0.2	-0.1	-0.2
38	3800.0	1.34	104.56	116.56	3799.3	-26.3	34.5	109.81	32.4 E	11.7 S	0.4	0.2	-0.4
39	3900.0	1.12	115.37	127.37	3899.3	-28.2	36.6	110.52	34.2 E	12.8 S	0.3	0.2	-0.2
40	4000.0	1.24	119.37	131.37	3999.3	-30.1	38.5	111.51	35.8 E	14.1 S	0.1	0.1	0.1
41	4100.0	1.15	118.01	130.01	4099.3	-32.1	40.5	112.48	37.4 E	15.5 S	0.1	-0.0	-0.1
42	4200.0	1.08	124.00	136.00	4199.3	-33.9	42.3	113.40	38.8 E	16.8 S	0.1	0.1	-0.1
43	4300.0	1.04	120.70	132.70	4299.2	-35.7	44.1	114.26	40.2 E	18.1 S	0.1	-0.1	-0.0
44	4400.0	0.78	129.34	141.34	4399.2	-37.3	45.5	115.03	41.2 E	19.3 S	0.3	0.1	-0.3
45	4500.0	0.97	119.71	131.71	4499.2	-38.7	46.9	115.71	42.3 E	20.4 S	0.2	-0.1	0.2
46	4600.0	0.90	125.52	137.52	4599.2	-40.3	48.5	116.34	43.5 E	21.5 S	0.1	0.1	-0.1
47	4700.0	1.02	111.69	123.69	4699.2	-41.9	50.1	116.81	44.7 E	22.6 S	0.3	-0.2	0.1
48	4800.0	1.19	123.59	135.59	4799.2	-43.7	52.0	117.28	46.2 E	23.8 S	0.3	0.2	0.2
49	4900.0	1.23	109.58	121.58	4899.1	-45.7	54.1	117.72	47.9 E	25.1 S	0.3	-0.3	0.0
50	5000.0	1.14	111.87	123.87	4999.1	-47.5	56.1	117.90	49.6 E	26.3 S	0.1	0.0	-0.1
51	5100.0	0.96	116.33	128.33	5099.1	-49.2	57.9	118.16	51.1 E	27.3 S	0.2	0.1	-0.2
52	5200.0	1.17	107.56	119.56	5199.1	-50.9	59.8	118.34	52.6 E	28.4 S	0.3	-0.2	0.2
53	5300.0	1.10	115.05	127.05	5299.1	-52.6	61.8	118.50	54.3 E	29.5 S	0.2	0.1	-0.1
54	5400.0	1.06	112.70	124.70	5399.0	-54.4	63.6	118.72	55.8 E	30.6 S	0.0	-0.0	-0.0
55	5500.0	1.11	106.96	118.96	5499.0	-56.0	65.5	118.81	57.4 E	31.6 S	0.1	-0.1	0.1
56	5600.0	1.20	109.99	121.99	5599.0	-57.8	67.5	118.86	59.1 E	32.6 S	0.1	0.1	0.1
57	5700.0	1.08	114.31	126.31	5699.0	-59.6	69.5	119.01	60.8 E	33.7 S	0.1	0.1	-0.1
58	5800.0	1.11	110.17	122.17	5799.0	-61.3	71.4	119.15	62.4 E	34.8 S	0.1	-0.1	0.0
59	5900.0	1.00	105.60	117.60	5899.0	-62.9	73.3	119.17	64.0 E	35.7 S	0.1	-0.1	-0.1
60	6000.0	0.95	124.20	136.20	5998.9	-64.4	74.9	119.34	65.3 E	36.7 S	0.3	0.3	-0.0
61	6100.0	1.21	124.15	136.15	6098.9	-66.3	76.7	119.75	66.6 E	38.1 S	0.3	-0.0	0.3
62	6200.0	0.90	124.20	136.20	6198.9	-68.1	78.5	120.13	67.9 E	39.4 S	0.3	0.0	-0.3
63	6300.0	1.00	119.27	131.27	6298.9	-69.7	80.1	120.41	69.1 E	40.6 S	0.1	-0.1	0.1
64	6400.0	0.88	123.81	135.81	6398.9	-71.2	81.7	120.67	70.3 E	41.7 S	0.1	0.1	-0.1
65	6500.0	0.76	108.16	120.16	6498.9	-72.6	83.1	120.79	71.4 E	42.6 S	0.3	-0.2	-0.1
66	6600.0	0.55	102.96	114.96	6598.9	-73.5	84.3	120.75	72.4 E	43.1 S	0.2	-0.1	-0.2
67	6700.0	0.78	115.83	127.83	6698.9	-74.5	85.4	120.76	73.4 E	43.7 S	0.3	0.1	0.2
68	6800.0	0.77	117.67	129.67	6798.8	-75.8	86.8	120.88	74.5 E	44.5 S	0.0	0.0	-0.0
69	6900.0	0.72	114.48	126.48	6898.8	-77.0	88.1	120.99	75.5 E	45.3 S	0.1	-0.0	-0.0
70	7000.0	0.69	108.43	120.43	6998.8	-78.1	89.3	121.02	76.5 E	46.0 S	0.1	-0.1	-0.0
71	7100.0	1.06	108.92	120.92	7098.8	-79.4	90.8	121.02	77.8 E	46.8 S	0.4	0.0	0.4
72	7200.0	1.14	109.98	121.98	7198.8	-81.1	92.7	121.03	79.5 E	47.8 S	0.1	0.0	0.1
73	7300.0	1.20	107.38	119.38	7298.8	-82.9	94.8	121.02	81.2 E	48.8 S	0.1	-0.1	0.1
74	7400.0	1.31	103.05	115.05	7398.8	-84.8	97.0	120.93	83.2 E	49.8 S	0.1	-0.1	0.1
75	7500.0	1.70	105.10	117.10	7498.7	-86.9	99.6	120.80	85.5 E	51.0 S	0.4	0.1	0.4
76	7600.0	1.70	103.48	115.48	7598.7	-89.4	102.6	120.67	88.2 E	52.3 S	0.0	-0.0	0.0
77	7679.0	2.75	18.00	30.00	7677.6	-90.1	104.4	119.54	90.9 E	51.5 S	3.9	-4.2	1.3
78	7711.0	7.37	328.00	340.00	7709.5	-87.8	103.3	118.16	91.1 E	48.8 S	18.7	85.4	14.4

Geoservices-Directional

Deviation report

Well :

UTE-8 ST "B"

Field :

BARKER CREEK PARADOX

Company :

MERIDIAN OIL CO.

RECEIVED
APR 17 1995
OIL CON. DIV.
DIST. 5

Surv	Measured	Drift	Azimut	Azimut	Vertical	Horizntl	Horizntl	Average	Relative coordinates.		Dog leg		
no	depth	angle	magnt.	geogr.	depth	prjction	displcmt	Az(geo)	East/West	Nor/South	dleg	dlgH	grBu
	feet	degree	degree	degree	feet	feet	feet	degree	feet	feet	/100ft		
Computation method : Radius of curvature													
79	7743.0	12.62	310.50	322.50	7741.0	-82.2	98.7	116.41	88.4 E	43.9 S	18.8	-9.5	16.4
80	7775.0	18.37	305.00	317.00	7771.8	-73.8	91.0	114.27	82.9 E	37.4 S	18.5	-4.6	18.0
81	7807.0	23.87	305.50	317.50	7801.7	-62.6	80.5	111.07	75.1 E	28.9 S	17.2	0.6	17.2
82	7860.0	27.62	309.50	321.50	7849.4	-39.9	61.2	100.76	60.2 E	11.4 S	7.8	3.3	7.1
83	7891.0	31.63	306.00	318.00	7876.3	-24.9	50.3	89.71	50.3 E	0.3 N	14.1	-5.6	12.9
84	7922.0	36.25	305.00	317.00	7902.0	-8.0	40.7	71.35	38.6 E	13.0 N	15.0	-1.8	14.9
85	7953.0	40.88	305.50	317.50	7926.3	10.9	37.3	43.10	25.5 E	27.2 N	15.0	1.0	14.9
86	7984.0	45.13	301.00	313.00	7948.9	31.3	43.5	14.07	10.6 E	42.2 N	16.9	-9.9	13.7
87	8015.0	50.00	301.50	313.50	7969.8	53.2	58.2	354.00	6.1 W	57.9 N	15.7	1.2	15.7
88	8046.0	55.13	303.50	315.50	7988.7	76.9	78.8	342.54	23.6 W	75.1 N	17.3	5.1	16.5
89	8078.0	60.00	306.50	318.50	8005.8	103.2	103.8	336.10	42.0 W	94.9 N	17.1	7.9	15.2
90	8110.0	64.13	309.50	321.50	8020.8	131.1	131.2	332.67	60.2 W	116.5 N	15.3	8.3	12.9
91	8142.0	68.38	312.50	324.50	8033.7	160.1	160.1	330.91	77.8 W	139.9 N	15.8	8.6	13.3
92	8174.0	73.25	313.50	325.50	8044.2	190.2	190.2	329.97	95.2 W	164.7 N	15.5	3.0	15.2
93	8205.0	79.25	314.50	326.50	8051.6	220.3	220.2	329.43	112.0 W	189.6 N	19.6	3.1	19.4
94	8237.0	85.87	316.00	328.00	8055.7	251.9	251.9	329.16	129.1 W	216.3 N	21.2	4.6	20.7
95	8253.0	88.13	318.00	330.00	8056.6	267.9	267.9	329.15	137.4 W	230.0 N	18.8	12.5	14.1
96	8272.0	88.25	321.50	333.50	8057.2	286.9	286.9	329.32	146.4 W	246.7 N	18.4	18.4	0.6
97	8304.0	88.00	327.50	339.50	8058.2	318.7	318.6	330.04	159.1 W	276.0 N	18.8	18.7	-0.8
98	8337.0	88.25	328.00	340.00	8059.3	351.2	351.1	330.95	170.5 W	307.0 N	1.7	1.5	0.8
99	8369.0	88.50	328.00	340.00	8060.2	382.7	382.8	331.70	181.5 W	337.0 N	0.8	0.0	0.8
100	8400.0	88.75	327.50	339.50	8060.9	413.2	413.5	332.30	192.2 W	366.1 N	1.8	-1.6	0.8
101	8432.0	89.12	327.00	339.00	8061.5	444.8	445.3	332.80	203.5 W	396.0 N	1.9	-1.6	1.2
102	8464.0	89.25	327.50	339.50	8062.0	476.4	477.1	333.23	214.9 W	425.9 N	1.6	1.6	0.4
103	8496.0	89.62	327.50	339.50	8062.3	507.9	508.9	333.62	226.1 W	455.9 N	1.2	0.0	1.2
104	8529.0	90.12	328.00	340.00	8062.4	540.5	541.7	334.00	237.5 W	486.9 N	2.1	1.5	1.5
105	8561.0	89.12	327.00	339.00	8062.6	572.0	573.6	334.30	248.7 W	516.8 N	4.4	-3.1	-3.1
106	8593.0	89.13	327.00	339.00	8063.1	603.6	605.5	334.55	260.2 W	546.7 N	0.0	0.0	0.0
107	8625.0	88.62	327.00	339.00	8063.7	635.2	637.4	334.77	271.6 W	576.6 N	1.6	0.0	-1.6
108	8657.0	89.00	327.00	339.00	8064.4	666.8	669.3	334.98	283.1 W	606.4 N	1.2	0.0	1.2
109	8688.0	89.37	328.00	340.00	8064.8	697.4	700.2	335.18	294.0 W	635.5 N	3.4	3.2	1.2
110	8718.0	88.50	327.50	339.50	8065.4	727.0	730.1	335.36	304.3 W	663.6 N	3.3	-1.7	-2.9
111	8751.0	88.00	327.50	339.50	8066.4	759.5	763.0	335.54	315.9 W	694.5 N	1.5	0.0	-1.5
112	8782.0	87.25	325.50	337.50	8067.7	790.1	793.9	335.66	327.2 W	723.3 N	6.9	-6.4	-2.4
113	8815.0	87.37	325.50	337.50	8069.2	822.8	826.9	335.73	339.9 W	753.8 N	0.4	0.0	0.4
114	8847.0	88.50	324.50	336.50	8070.4	854.6	858.8	335.78	352.3 W	783.2 N	4.7	-3.1	3.5
115	8879.0	89.12	324.00	336.00	8071.0	886.4	890.8	335.80	365.2 W	812.5 N	2.5	-1.6	1.9
116	8912.0	89.75	324.00	336.00	8071.4	919.2	923.8	335.80	378.7 W	842.7 N	1.9	0.0	1.9
117	8944.0	90.12	323.50	335.50	8071.4	951.0	955.8	335.80	391.8 W	871.8 N	1.9	-1.6	1.2
118	8975.0	90.12	323.50	335.50	8071.3	981.9	986.8	335.79	404.7 W	900.0 N	0.0	0.0	0.0
119	9007.0	88.37	323.00	335.00	8071.8	1013.7	1018.8	335.77	418.0 W	929.1 N	5.7	-1.6	-5.5
120	9038.0	88.25	323.00	335.00	8072.7	1044.6	1049.8	335.75	431.1 W	957.2 N	0.4	0.0	-0.4
121	9070.0	89.25	323.00	335.00	8073.4	1076.5	1081.8	335.73	444.7 W	986.2 N	3.1	0.0	3.1

Geoservices-Directional

Deviation report

Well :

UTE-8 ST "B"

Field :

BARKER CREEK PARADOX

Company :

MERIDIAN OIL CO.

RECEIVED
APR 17 1995

OIL CORP. DIV.
DIST. 2

Surv no	Measured depth feet	Drift angle degree	Azimut magnt. degree	Azimut geogr. degree	Vertical depth feet	Horizntl prjction feet	Horizntl displcmt feet	Average Az(geo) degree	Relative Coordinates East/West feet	North/South feet	Dog leg dleg /100ft	dlgh	grBu
Computation method : Radius of curvature													
122	9102.0	88.87	323.50	335.50	8073.9	1108.3	1113.8	335.72	458.1 W	1015.2 N	1.9	1.6	-1.2
123	9131.0	87.37	322.50	334.50	8074.8	1137.2	1142.8	335.70	470.3 W	1041.5 N	6.2	-3.4	-5.2
124	9164.0	87.37	323.00	335.00	8076.4	1170.1	1175.7	335.67	484.4 W	1071.3 N	1.5	1.5	0.0
125	9196.0	88.00	323.00	335.00	8077.6	1201.9	1207.7	335.65	497.9 W	1100.3 N	1.9	0.0	2.0
126	9228.0	88.37	323.00	335.00	8078.7	1233.8	1239.7	335.64	511.4 W	1129.3 N	1.2	0.0	1.2
127	9260.0	87.62	322.00	334.00	8079.8	1265.7	1271.6	335.61	525.2 W	1158.1 N	3.9	-3.1	-2.3
128	9292.0	87.50	322.50	334.50	8081.1	1297.5	1303.6	335.57	539.1 W	1186.9 N	1.6	1.6	-0.4
129	9324.0	87.62	322.50	334.50	8082.5	1329.4	1335.6	335.55	552.8 W	1215.8 N	0.3	0.0	0.4
130	9356.0	87.50	322.50	334.50	8083.9	1361.3	1367.5	335.52	566.6 W	1244.6 N	0.3	0.0	-0.4
131	9389.0	87.25	323.00	335.00	8085.4	1394.1	1400.5	335.51	580.6 W	1274.5 N	1.7	1.5	-0.8
132	9421.0	86.87	323.00	335.00	8087.0	1426.0	1432.5	335.49	594.2 W	1303.4 N	1.2	0.0	-1.2
133	9452.0	86.87	323.00	335.00	8088.7	1456.8	1463.4	335.48	607.2 W	1331.5 N	0.0	0.0	0.0
134	9484.0	86.87	323.50	335.50	8090.5	1488.6	1495.4	335.48	620.6 W	1360.5 N	1.5	1.6	0.0
135	9516.0	87.00	323.50	335.50	8092.2	1520.4	1527.3	335.48	633.9 W	1389.6 N	0.4	0.0	0.4
136	9549.0	87.37	323.00	335.00	8093.8	1553.3	1560.3	335.47	647.7 W	1419.5 N	1.9	-1.5	1.1
137	9581.0	88.25	323.50	335.50	8095.0	1585.1	1592.3	335.47	661.0 W	1448.5 N	3.2	1.6	2.7
138	9613.0	89.00	324.00	336.00	8095.8	1616.9	1624.2	335.48	674.2 W	1477.7 N	2.8	1.6	2.3
139	9645.0	89.37	323.50	335.50	8096.2	1648.8	1656.2	335.48	687.3 W	1506.9 N	1.9	-1.6	1.2
140	9676.0	89.87	322.00	334.00	8096.4	1679.7	1687.2	335.47	700.6 W	1534.9 N	5.1	-4.8	1.6
141	9708.0	89.37	322.00	334.00	8096.7	1711.6	1719.2	335.44	714.6 W	1563.7 N	1.5	0.0	-1.6
142	9740.0	88.75	322.00	334.00	8097.2	1743.5	1751.2	335.41	728.6 W	1592.4 N	1.9	0.0	-1.9
143	9772.0	88.12	322.00	334.00	8098.1	1775.4	1783.2	335.39	742.6 W	1621.2 N	2.0	0.0	-2.0
144	9804.0	87.87	322.50	334.50	8099.2	1807.3	1815.2	335.37	756.5 W	1650.0 N	1.7	1.6	-0.8
145	9837.0	88.00	322.50	334.50	8100.4	1840.2	1848.1	335.35	770.7 W	1679.8 N	0.4	0.0	0.4
146	9868.0	87.62	323.00	335.00	8101.5	1871.0	1879.1	335.34	783.9 W	1707.8 N	2.0	1.6	-1.2
147	9900.0	87.37	322.50	334.50	8102.9	1902.9	1911.1	335.33	797.6 W	1736.7 N	1.7	-1.6	-0.8
148	9933.0	87.12	323.00	335.00	8104.5	1935.7	1944.0	335.32	811.6 W	1766.5 N	1.7	1.5	-0.8
149	9965.0	86.75	322.50	334.50	8106.2	1967.6	1976.0	335.31	825.3 W	1795.4 N	1.9	-1.6	-1.2
150	9997.0	85.75	323.00	335.00	8108.3	1999.4	2007.9	335.31	838.9 W	1824.3 N	3.5	1.6	-3.1
151	10030.0	85.75	323.00	335.00	8110.8	2032.2	2040.8	335.30	852.8 W	1854.1 N	0.0	0.0	0.0
152	10060.0	85.63	323.50	335.50	8113.0	2062.0	2070.7	335.30	865.3 W	1881.3 N	1.7	1.7	-0.4
153	10091.0	85.12	323.50	335.50	8115.5	2092.7	2101.6	335.30	878.1 W	1909.4 N	1.6	0.0	-1.6
154	10123.0	84.62	323.50	335.50	8118.4	2124.5	2133.5	335.31	891.3 W	1938.4 N	1.6	0.0	-1.6
155	10154.0	84.62	324.00	336.00	8121.3	2155.2	2164.4	335.31	904.0 W	1966.5 N	1.6	1.6	0.0
156	10185.0	84.75	324.50	336.50	8124.2	2185.9	2195.2	335.32	916.5 W	1994.8 N	1.6	1.6	0.4
157	10202.0	84.87	326.50	338.50	8125.7	2202.6	2212.2	335.34	922.9 W	2010.4 N	11.7	11.7	0.7
158	10233.0	84.62	327.00	339.00	8128.6	2233.2	2243.0	335.39	934.1 W	2039.2 N	1.8	1.6	-0.8
159	10266.0	84.87	327.00	339.00	8131.6	2265.6	2275.8	335.44	945.9 W	2069.9 N	0.8	0.0	0.8
160	10296.0	84.87	327.00	339.00	8134.3	2295.1	2305.6	335.49	956.6 W	2097.8 N	0.0	0.0	0.0
161	10327.0	85.12	327.50	339.50	8137.0	2325.6	2336.4	335.54	967.5 W	2126.7 N	1.8	1.6	0.8
162	10370.0	85.50	328.20	340.20	8140.5	2367.8	2379.1	335.61	982.3 W	2166.9 N	1.8	1.6	0.9