EXXON COMPANY U.S.A.
OCS-G-3237 WELL NO. A-6 OH
HIGH ISLAND BLOCK 193
RIG: MAYRONNE 152
ORIGINAL HOLE
SERVCO GYROSCOPIC MULTI-SHOT SURVEY FROM 0.00'-364.00' MEASURED DEPTH.

Eastman Whipstock
A PETROLANE COMPANY

RECORD OF INTERPOLATED SURVEY

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EXXON COMPANY U.S.A.
OCS-G-3237 WELL NO. A-6 OH
HIGH ISLAND BLOCK 193

COMPUTATION TIME 14:46:13 DATE 18-MAY-81

PAGE NO. 1

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	DIRECTION D M
0.00	0.00	0.0	-97.60	0.00	0.00	0.00	0 0
10.00	10.00	0.0	-87.60	0.02 N	0.01 W	0.02	N 34 0 W
20.00	20.00	0.0	-77.60	0.04 N	0.02 W	0.04	N 34 0 W
30.00	30.00	0.0	-67.60	0.05 N	0.04 W	0.07	N 34 0 W
40.00	40.00	0.0	-57.60	0.07 N	0.05 W	0.09	N 34 0 W
50.00	50.00	0.0	-47.60	0.09 N	0.06 W	0.11	N 34 0 W
60.00	60.00	0.0	-37.60	0.08 N	0.09 W	0.13	N 48 36 W
70.00	70.00	0.0	-27.60	0.08 N	0.13 W	0.15	N 59 14 W
80.00	80.00	0.0	-17.60	0.07 N	0.16 W	0.17	N 66 50 W
90.00	90.00	0.0	-7.60	0.06 N	0.19 W	0.20	N 72 22 W
100.00	100.00	0.0	2.40	0.05 N	0.23 W	0.23	N 76 30 W
110.00	110.00	0.0	12.40	0.04 N	0.20 W	0.20	N 77 59 W
120.00	120.00	0.0	22.40	0.03 N	0.17 W	0.17	N 79 59 W
130.00	130.00	0.0	32.40	0.02 N	0.14 W	0.14	N 82 52 W
140.00	140.00	0.0	42.40	0.01 N	0.11 W	0.11	N 87 20 W
150.00	150.00	0.0	52.40	0.01 S	0.08 W	0.08	S 84 58 W
160.00	160.00	0.0	62.40	0.04 N	0.04 W	0.05	N 42 29 W
170.00	170.00	0.0	72.40	0.08 N	0.01 E	0.09	N 7 37 E
180.00	180.00	0.0	82.40	0.13 N	0.06 E	0.14	N 23 58 E
190.00	190.00	0.0	92.40	0.18 N	0.10 E	0.20	N 30 42 E
200.00	200.00	0.0	102.40	0.22 N	0.15 E	0.27	N 34 16 E
210.00	210.00	0.0	112.40	0.31 N	0.13 E	0.33	N 23 37 E
220.00	220.00	0.0	122.40	0.39 N	0.12 E	0.41	N 16 38 E
230.00	230.00	0.0	132.40	0.47 N	0.10 E	0.49	N 11 50 E
240.00	240.00	0.0	142.40	0.56 N	0.08 E	0.57	N 8 22 E
250.00	249.99	0.0	152.39	0.64 N	0.07 E	0.65	N 5 46 E
260.00	259.99	0.0	162.39	0.64 N	0.04 W	0.64	N 3 50 W
270.00	269.99	0.0	172.39	0.64 N	0.15 W	0.66	N 13 16 W
280.00	279.99	0.0	182.39	0.64 N	0.26 W	0.69	N 22 2 W
290.00	289.99	0.0	192.39	0.64 N	0.37 W	0.74	N 29 52 W

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	DIRECTION D M
300.00	299.99	0.0	202.39	0.64 N	0.48 W	0.80	N 36 40 W
310.00	309.99	0.0	212.39	0.65 N	0.54 W	0.84	N 39 33 W
320.00	319.99	0.0	222.39	0.66 N	0.60 W	0.90	N 42 6 W
330.00	329.99	0.0	232.39	0.68 N	0.66 W	0.95	N 44 23 W
340.00	339.99	0.0	242.39	0.69 N	0.72 W	1.00	N 46 26 W
350.00	349.99	0.0	252.39	0.71 N	0.77 W	1.05	N 47 12 W
360.00	359.99	0.0	262.39	0.74 N	0.80 W	1.09	N 47 29 W
370.00	369.99	0.0	272.39	0.78 N	0.84 W	1.15	N 47 9 W
380.00	379.99	0.0	282.39	0.83 N	0.88 W	1.21	N 46 29 W
390.00	389.99	0.0	292.39	0.89 N	0.91 W	1.27	N 45 52 W
400.00	399.99	0.0	302.39	0.94 N	0.95 W	1.33	N 45 20 W
410.00	409.99	0.0	[illegible]	0.99 N	0.99 W	1.40	N 44 50 W
420.00	419.99	0.0	322.39	1.04 N	1.02 W	1.46	N 44 23 W
430.00	429.99	0.0	332.39	1.10 N	1.06 W	1.52	N 43 58 W
440.00	439.99	0.0	[illegible]	[illegible]	1.09 W	1.59	N 43 35 W
450.00	449.99	0.0	352.39	[illegible]	1.13 W	1.65	N 43 14 W
460.00	459.99	0.0	362.39	1.26 N	1.17 W	1.71	N 42 54 W
470.00	469.99	0.0	372.39	1.31 N	1.20 W	1.78	N 42 36 W
480.00	479.99	0.0	382.39	1.36 N	1.24 W	1.84	N 42 19 W
490.00	489.99	0.0	392.39	1.42 N	1.28 W	1.91	N 42 4 W
500.00	499.99	0.0	402.39	1.47 N	1.31 W	1.97	N 41 49 W
510.00	509.99	0.0	412.39	1.52 N	1.35 W	2.03	N 41 35 W
520.00	519.99	0.0	422.39	1.57 N	1.39 W	2.10	N 41 22 W
530.00	529.99	0.0	432.39	1.63 N	1.42 W	2.16	N 41 10 W
540.00	539.99	0.0	442.39	1.68 N	1.46 W	2.22	N 40 58 W
550.00	549.99	0.0	452.39	1.73 N	1.50 W	2.29	N 40 47 W
560.00	559.99	0.0	462.39	1.79 N	1.53 W	2.35	N 40 37 W
570.00	569.99	0.0	472.39	1.84 N	1.57 W	2.42	N 40 27 W
580.00	579.99	0.0	482.39	1.89 N	1.60 W	2.48	N 40 18 W
590.00	589.99	0.0	492.39	1.95 N	1.64 W	2.54	N 40 9 W

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	DIRECTION D M
600.00	599.99	0.0	502.39	2.00 N	1.68 W	2.61	N 40 1 W
610.00	609.99	0.0	512.39	2.05 N	1.71 W	2.67	N 39 53 W
620.00	619.98	0.0	522.38	2.10 N	1.75 W	2.74	N 39 45 W
630.00	629.98	0.0	532.38	2.16 N	1.79 W	2.80	N 39 38 W
640.00	639.98	0.0	542.38	2.21 N	1.82 W	2.86	N 39 31 W
650.00	649.98	0.0	552.38	2.26 N	1.86 W	2.93	N 39 25 W
660.00	659.98	0.0	562.38	2.32 N	1.90 W	2.99	N 39 18 W
670.00	669.98	0.0	572.38	2.37 N	1.93 W	3.06	N 39 12 W
680.00	679.98	0.0	582.38	2.42 N	1.97 W	3.12	N 39 6 W
690.00	689.98	0.0	592.38	2.48 N	2.01 W	3.19	N 39 1 W
700.00	699.98	0.0	602.38	2.53 N	2.04 W	3.25	N 38 55 W
710.00	709.98	0.0	[illegible]	2.58 N	2.08 W	3.31	N 38 50 W
720.00	719.98	0.0	622.38	2.63 N	2.11 W	3.38	N 38 45 W
730.00	729.98	0.0	632.38	2.69 N	2.15 W	3.44	N 38 41 W
740.00	739.98	0.0	[illegible]	2.74 N	2.19 W	3.51	N 38 36 W
750.00	749.98	0.0	652.38	2.80 N	2.22 W	3.57	N 38 32 W
760.00	759.98	0.0	662.38	2.85 N	2.26 W	3.63	N 38 27 W
770.00	769.98	0.0	672.38	2.90 N	2.30 W	3.70	N 38 23 W
780.00	779.98	0.0	682.38	2.95 N	2.33 W	3.76	N 38 19 W
790.00	789.98	0.0	692.38	3.01 N	2.37 W	3.83	N 38 15 W
800.00	799.98	0.0	702.38	3.06 N	2.41 W	3.89	N 38 12 W
810.00	809.98	0.0	712.38	3.11 N	2.44 W	3.95	N 38 11 W
820.00	819.98	0.0	722.38	3.16 N	2.48 W	4.02	N 38 10 W
830.00	829.98	0.0	732.38	3.21 N	2.52 W	4.08	N 38 10 W
840.00	839.98	0.0	742.38	3.26 N	2.56 W	4.15	N 38 9 W
850.00	849.98	0.0	752.38	3.31 N	2.60 W	4.21	N 38 8 W
860.00	859.98	0.0	762.38	3.36 N	2.64 W	4.27	N 38 8 W
870.00	869.98	0.0	772.38	3.41 N	2.68 W	4.34	N 38 7 W
880.00	879.98	0.0	782.38	3.46 N	2.72 W	4.40	N 38 7 W
890.00	889.98	0.0	792.38	3.51 N	2.76 W	4.47	N 38 6 W

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900.00	899.98	0.0	802.38	3.56 N	2.79 W	4.53	N 38 6 W
910.00	909.98	0.0	812.38	3.62 N	2.83 W	4.59	N 38 5 W
920.00	919.98	0.0	822.38	3.67 N	2.87 W	4.66	N 38 5 W
930.00	929.98	0.0	832.38	3.72 N	2.91 W	4.72	N 38 4 W
940.00	939.98	0.0	842.38	3.77 N	2.95 W	4.79	N 38 4 W
950.00	949.98	0.0	852.38	3.82 N	2.99 W	4.85	N 38 3 W
960.00	959.98	0.0	862.38	3.87 N	3.03 W	4.91	N 38 3 W
970.00	969.98	0.0	872.38	3.92 N	3.07 W	4.98	N 38 3 W
980.00	979.98	0.0	882.38	3.97 N	3.11 W	5.04	N 38 2 W
990.00	989.98	0.0	892.38	4.02 N	3.14 W	5.10	N 38 2 W
1000.00	999.98	0.0	902.38	4.07 N	3.18 W	5.17	N 38 1 W
1010.00	1009.98	0.0	[illegible]	4.12 N	3.22 W	5.23	N 38 1 W
1020.00	1019.98	0.0	922.38	4.17 N	3.26 W	5.30	N 38 1 W
1030.00	1029.98	0.0	932.38	4.22 N	3.30 W	5.36	N 38 0 W
1040.00	1039.98	0.0	[illegible]	[illegible]	3.34 W	5.42	N 38 0 W
1050.00	1049.98	0.0	952.38	[illegible]	3.38 W	5.49	N 38 0 W
1060.00	1059.98	0.0	962.38	4.38 N	3.42 W	5.55	N 37 59 W
1070.00	1069.97	0.0	972.38	4.43 N	3.46 W	5.62	N 37 59 W
1080.00	1079.97	0.0	982.37	4.48 N	3.50 W	5.68	N 37 59 W
1090.00	1089.97	0.0	992.37	4.53 N	3.53 W	5.74	N 37 58 W
1100.00	1099.97	0.0	1002.37	4.58 N	3.57 W	5.81	N 37 58 W
1110.00	1109.97	0.0	1012.37	4.63 N	3.61 W	5.87	N 37 58 W
1120.00	1119.97	0.0	1022.37	4.68 N	3.65 W	5.94	N 37 57 W
1130.00	1129.97	0.0	1032.37	4.73 N	3.69 W	6.00	N 37 57 W
1140.00	1139.97	0.0	1042.37	4.78 N	3.73 W	6.06	N 37 57 W
1150.00	1149.97	0.0	1052.37	4.83 N	3.77 W	6.13	N 37 56 W
1160.00	1159.97	0.0	1062.37	4.88 N	3.81 W	6.19	N 37 56 W
1170.00	1169.97	0.0	1072.37	4.93 N	3.85 W	6.26	N 37 56 W
1180.00	1179.97	0.0	1082.37	4.98 N	3.88 W	6.32	N 37 56 W
1190.00	1189.97	0.0	1092.37	5.04 N	3.92 W	6.38	N 37 55 W

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
1200.00	1199.97	0.0	1102.37	5.09 N	3.96 W	6.45	N 37 55 W
1210.00	1209.97	0.0	1112.37	5.14 N	4.00 W	6.51	N 37 55 W
1220.00	1219.97	0.0	1122.37	5.21 N	4.05 W	6.60	N 37 50 W
1230.00	1229.97	0.0	1132.37	5.34 N	4.11 W	6.74	N 37 33 W
1240.00	1239.97	0.0	1142.37	5.47 N	4.17 W	6.88	N 37 18 W
1250.00	1249.97	0.0	1152.37	5.60 N	4.23 W	7.02	N 37 3 W
1260.00	1259.97	0.0	1162.37	5.73 N	4.29 W	7.16	N 36 49 W
1270.00	1269.96	0.0	1172.36	5.86 N	4.35 W	7.30	N 36 35 W
1280.00	1279.96	0.0	1182.36	5.99 N	4.41 W	7.44	N 36 21 W
1290.00	1289.96	0.0	1192.36	6.12 N	4.47 W	7.58	N 36 9 W
1300.00	1299.96	0.0	1202.36	6.25 N	4.53 W	7.72	N 35 56 W
1310.00	1309.96	0.0	1212.36	6.42 N	4.53 W	7.86	N 35 10 W
1320.00	1319.95	0.0	1222.35	6.70 N	4.32 W	8.00	N 33 4 W
1330.00	1329.95	0.1	1232.35	6.98 N	4.20 W	8.15	N 31 4 W
1340.00	1339.94	0.1	1242.34	7.26 N	4.04 W	8.31	N 29 8 W
1350.00	1349.94	0.1	1252.34	7.54 N	3.88 W	8.48	N 27 16 W
1360.00	1359.93	0.1	1262.33	7.81 N	3.72 W	8.66	N 25 29 W
1370.00	1369.93	0.1	1272.33	8.09 N	3.56 W	8.84	N 23 46 W
1380.00	1379.92	0.1	1282.32	8.37 N	3.40 W	9.03	N 22 8 W
1390.00	1389.91	0.1	1292.31	8.65 N	3.24 W	9.23	N 20 33 W
1400.00	1399.91	0.1	1302.31	8.92 N	3.08 W	9.44	N 19 3 W
1410.00	1409.90	0.1	1312.30	9.22 N	2.71 W	9.61	N 16 21 W
1420.00	1419.89	0.1	1322.29	9.52 N	2.33 W	9.80	N 13 46 W
1430.00	1429.87	0.1	1332.27	9.82 N	1.96 W	10.01	N 11 16 W
1440.00	1439.86	0.1	1342.26	10.12 N	1.58 W	10.24	N 8 53 W
1450.00	1449.85	0.1	1352.25	10.42 N	1.21 W	10.49	N 6 36 W
1460.00	1459.84	0.2	1362.24	10.72 N	0.83 W	10.75	N 4 26 W
1470.00	1469.83	0.2	1372.23	11.01 N	0.45 W	11.02	N 2 22 W
1480.00	1479.82	0.2	1382.22	11.31 N	0.08 W	11.31	N 0 24 W
1490.00	1489.80	0.2	1392.20	11.61 N	0.30 E	11.62	N 1 28 E

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1500.00	1499.79	0.2	1402.19	11.99 N	0.77 E	12.01	N 3 40 E
1510.00	1509.77	0.2	1412.17	12.38 N	1.26 E	12.44	N 5 49 E
1520.00	1519.75	0.3	1422.15	12.77 N	1.76 E	12.89	N 7 50 E
1530.00	1529.73	0.3	1432.13	13.17 N	2.25 E	13.36	N 9 42 E
1540.00	1539.71	0.3	1442.11	13.56 N	2.75 E	13.84	N 11 27 E
1550.00	1549.69	0.3	1452.09	13.95 N	3.24 E	14.33	N 13 5 E
1560.00	1559.67	0.3	1462.07	14.35 N	3.74 E	14.83	N 14 36 E
1570.00	1569.65	0.4	1472.05	14.74 N	4.23 E	15.34	N 16 1 E
1580.00	1579.63	0.4	1482.03	15.13 N	4.73 E	15.86	N 17 20 E
1590.00	1589.60	0.4	1492.00	15.60 N	5.25 E	16.46	N 18 37 E
1600.00	1599.57	0.4	1501.97	16.15 N	5.82 E	17.16	N 19 49 E
1610.00	1609.54	0.5	[illegible]	[illegible].69 N	6.38 E	17.87	N 20 56 E
1620.00	1619.51	0.5	1521.91	17.24 N	[illegible]	18.58	N 21 57 E
1630.00	1629.48	0.5	1531.88	17.78 N	7.51 E	19.30	N 22 54 E
1640.00	1639.44	0.6	[illegible]	[illegible]	8.07 E	20.03	N 23 47 E
1650.00	1649.41	0.6	1551.81	[illegible]	8.64 E	20.75	N 24 36 E
1660.00	1659.38	0.6	1561.78	19.42 N	9.20 E	21.49	N 25 22 E
1670.00	1669.35	0.6	1571.75	19.96 N	9.77 E	22.22	N 26 4 E
1680.00	1679.32	0.7	1581.72	20.55 N	10.35 E	23.01	N 26 44 E
1690.00	1689.27	0.7	1591.67	21.30 N	11.01 E	23.98	N 27 21 E
1700.00	1699.22	0.8	1601.62	22.05 N	11.68 E	24.95	N 27 55 E
1710.00	1709.17	0.8	1611.57	22.80 N	12.34 E	25.92	N 28 26 E
1720.00	1719.11	0.9	1621.51	23.55 N	13.01 E	26.90	N 28 55 E
1730.00	1729.06	0.9	1631.46	24.30 N	13.67 E	27.88	N 29 22 E
1740.00	1739.01	1.0	1641.41	25.05 N	14.33 E	28.86	N 29 47 E
1750.00	1748.96	1.0	1651.36	25.80 N	15.00 E	29.84	N 30 10 E
1760.00	1758.91	1.1	1661.31	26.55 N	15.66 E	30.82	N 30 32 E
1770.00	1768.86	1.1	1671.26	27.30 N	16.32 E	31.81	N 30 53 E
1780.00	1778.79	1.2	1681.19	28.17 N	17.09 E	32.95	N 31 15 E
1790.00	1788.72	1.3	1691.12	29.06 N	17.88 E	34.12	N 31 36 E

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XXON COMPANY U.S.A. COMPUTATION PAGE NO. 7
OCS-G-3237 WELL NO. A-6-OH TIME DATE
HIGH ISLAND BLOCK 193 14:46:13 18-MAY-81

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
1800.00	1798.65	1.3	1701.05	29.96 N	18.68 E	35.30	N 31 57 E
1810.00	1808.58	1.4	1710.98	30.86 N	19.47 E	36.49	N 32 15 E
1820.00	1818.51	1.5	1720.91	31.75 N	20.26 E	37.67	N 32 33 E
1830.00	1828.43	1.6	1730.83	32.65 N	21.06 E	38.85	N 32 49 E
1840.00	1838.36	1.6	1740.76	33.55 N	21.85 E	40.03	N 33 5 E
1850.00	1848.29	1.7	1750.69	34.44 N	22.64 E	41.22	N 33 19 E
1860.00	1858.22	1.8	1760.62	35.34 N	23.44 E	42.40	N 33 33 E
1870.00	1868.14	1.9	1770.54	36.29 N	24.28 E	43.66	N 33 47 E
1880.00	1878.05	2.0	1780.45	37.30 N	25.17 E	45.00	N 34 1 E
1890.00	1887.95	2.0	1790.35	38.31 N	26.07 E	46.34	N 34 14 E
1900.00	1897.86	2.1	1800.26	39.32 N	26.96 E	47.68	N 34 26 E
1910.00	1907.77	2.2	[illegible]	40.33 N	27.85 E	49.02	N 34 38 E
1920.00	1917.68	2.3	1820.08	41.34 N	28.75 E	50.35	N 34 49 E
1930.00	1927.59	2.4	1829.99	42.35 N	29.64 E	51.69	N 34 59 E
1940.00	1937.50	2.5	1839.90	43.36 N	30.54 E	53.03	N 35 9 E
1950.00	1947.40	2.6	1849.80	44.37 N	31.43 E	54.37	N 35 19 E
1960.00	1957.30	2.7	1859.70	45.44 N	32.38 E	55.80	N 35 29 E
1970.00	1967.17	2.8	1869.57	46.64 N	33.48 E	57.41	N 35 41 E
1980.00	1977.03	3.0	1879.43	47.84 N	34.58 E	59.03	N 35 52 E
1990.00	1986.90	3.1	1889.30	49.04 N	35.69 E	60.65	N 36 3 E
2000.00	1996.76	3.2	1899.16	50.24 N	36.79 E	62.27	N 36 13 E
2010.00	2006.63	3.4	1909.03	51.44 N	37.89 E	63.89	N 36 22 E
2020.00	2016.50	3.5	1918.90	52.64 N	38.99 E	65.51	N 36 31 E
2030.00	2026.36	3.6	1928.76	53.84 N	40.09 E	67.13	N 36 40 E
2040.00	2036.23	3.8	1938.63	55.04 N	41.19 E	68.75	N 36 48 E
2050.00	2046.09	3.9	1948.49	56.25 N	42.29 E	70.37	N 36 56 E
2060.00	2055.90	4.1	1958.30	57.74 N	43.50 E	72.29	N 37 0 E
2070.00	2065.72	4.3	1968.12	59.24 N	44.71 E	74.22	N 37 3 E
2080.00	2075.53	4.5	1977.93	60.74 N	45.93 E	76.15	N 37 6 E
2090.00	2085.34	4.7	1987.74	62.24 N	47.14 E	78.07	N 37 8 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	DIRECTION D M
2100.00	2095.15	4.8	1997.55	63.73 N	48.35 E	80.00	N 37 11 E
2110.00	2104.96	5.0	2007.36	65.23 N	49.56 E	81.92	N 37 14 E
2120.00	2114.78	5.2	2017.18	66.73 N	50.78 E	83.85	N 37 16 E
2130.00	2124.59	5.4	2026.99	68.23 N	51.99 E	85.78	N 37 18 E
2140.00	2134.40	5.6	2036.80	69.72 N	53.20 E	87.70	N 37 21 E
2150.00	2144.16	5.8	2046.56	71.51 N	54.39 E	89.85	N 37 15 E
2160.00	2153.92	6.1	2056.32	73.37 N	55.58 E	92.05	N 37 9 E
2170.00	2163.67	6.3	2066.07	75.23 N	56.76 E	94.25	N 37 2 E
2180.00	2173.42	6.6	2075.82	77.09 N	57.95 E	96.45	N 36 56 E
2190.00	2183.18	6.8	2085.58	78.96 N	59.13 E	98.65	N 36 50 E
2200.00	2192.93	7.1	2095.33	80.82 N	60.32 E	100.85	N 36 44 E
2210.00	2202.68	7.3	2105.08	82.68 N	61.51 E	103.05	N 36 39 E
2220.00	2212.43	7.6	2114.83	84.54 N	62.69 E	105.25	N 36 34 E
2230.00	2222.19	7.8	2124.59	86.40 N	63.88 E	107.45	N 36 29 E
2240.00	2231.89	8.1	2134.29	88.24 N	65.10 E	109.86	N 36 23 E
2250.00	2241.53	8.5	2143.93	90.06 N	66.59 E	112.49	N 36 18 E
2260.00	2251.18	8.8	2153.58	92.88 N	68.00 E	115.11	N 36 13 E
2270.00	2260.83	9.2	2163.23	95.09 N	69.42 E	117.73	N 36 8 E
2280.00	2270.47	9.5	2172.87	97.31 N	70.83 E	120.36	N 36 3 E
2290.00	2280.12	9.9	2182.52	99.53 N	72.24 E	122.98	N 35 58 E
2300.00	2289.77	10.2	2192.17	101.75 N	73.65 E	125.61	N 35 54 E
2310.00	2299.42	10.6	2201.81	103.96 N	75.07 E	128.23	N 35 50 E
2320.00	2309.06	10.9	2211.46	106.18 N	76.48 E	130.86	N 35 46 E
2330.00	2318.68	11.3	2221.08	108.48 N	77.96 E	133.59	N 35 42 E
2340.00	2328.17	11.8	2230.57	111.09 N	79.73 E	136.74	N 35 40 E
2350.00	2337.65	12.3	2240.05	113.71 N	81.49 E	139.89	N 35 38 E
2360.00	2347.14	12.9	2249.54	116.32 N	83.25 E	143.04	N 35 36 E
2370.00	2356.63	13.4	2259.03	118.93 N	85.01 E	146.19	N 35 33 E
2380.00	2366.12	13.9	2268.52	121.54 N	86.78 E	149.34	N 35 31 E
2390.00	2375.61	14.4	2278.01	124.16 N	88.54 E	152.49	N 35 30 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	DIRECTION D M
2400.00	2385.10	14.9	2287.50	126.77 N	90.30 E	155.64	N 35 28 E
2410.00	2394.59	15.4	2296.99	129.38 N	92.06 E	158.79	N 35 26 E
2420.00	2404.06	15.9	2306.46	132.04 N	93.85 E	162.00	N 35 24 E
2430.00	2413.36	16.6	2315.76	135.13 N	95.82 E	165.66	N 35 20 E
2440.00	2422.66	17.3	2325.06	138.23 N	97.78 E	169.32	N 35 17 E
2450.00	2431.97	18.0	2334.37	141.32 N	99.75 E	172.98	N 35 13 E
2460.00	2441.27	18.7	2343.67	144.41 N	101.72 E	176.64	N 35 10 E
2470.00	2450.57	19.4	2352.97	147.50 N	103.69 E	180.30	N 35 6 E
2480.00	2459.88	20.1	2362.28	150.59 N	105.66 E	183.96	N 35 3 E
2490.00	2469.18	20.8	2371.58	153.68 N	107.63 E	187.62	N 35 0 E
2500.00	2478.48	21.5	2380.88	156.77 N	109.60 E	191.28	N 34 57 E
2510.00	2487.79	22.2	[illegible]	159.86 N	111.57 E	194.94	N 34 55 E
2520.00	2496.91	23.1	[illegible]	163.32 N	113.73 E	199.01	N 34 51 E
2530.00	2506.02	24.0	2408.42	166.82 N	115.92 E	203.14	N 34 48 E
2540.00	2515.13	24.9	[illegible]	[illegible]	118.10 E	207.26	N 34 44 E
2550.00	2524.24	25.8	2426.64	173.81 N	120.29 E	211.38	N 34 41 E
2560.00	2533.34	26.7	2435.74	177.31 N	122.48 E	215.50	N 34 38 E
2570.00	2542.45	27.5	2444.85	180.81 N	124.66 E	219.62	N 34 35 E
2580.00	2551.56	28.4	2453.96	184.31 N	126.85 E	223.75	N 34 32 E
2590.00	2560.67	29.3	2463.07	187.81 N	129.04 E	227.87	N 34 29 E
2600.00	2569.78	30.2	2472.18	191.31 N	131.22 E	231.99	N 34 27 E
2610.00	2578.86	31.1	2481.26	194.82 N	133.48 E	236.16	N 34 25 E
2620.00	2587.95	32.1	2490.35	198.33 N	135.76 E	240.34	N 34 23 E
2630.00	2597.03	33.0	2499.43	201.84 N	138.04 E	244.53	N 34 22 E
2640.00	2606.11	33.9	2508.51	205.35 N	140.32 E	248.71	N 34 21 E
2650.00	2615.19	34.8	2517.59	208.86 N	142.60 E	252.90	N 34 19 E
2660.00	2624.27	35.7	2526.67	212.37 N	144.88 E	257.08	N 34 18 E
2670.00	2633.35	36.6	2535.75	215.89 N	147.16 E	261.27	N 34 17 E
2680.00	2642.43	37.6	2544.83	219.40 N	149.44 E	265.45	N 34 16 E
2690.00	2651.51	38.5	2553.91	222.91 N	151.72 E	269.64	N 34 14 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
2700.00	2660.58	39.4	2562.98	226.47 N 153.98 E	273.86	N 34 13 E
2710.00	2669.63	40.4	2572.03	230.07 N 156.23 E	278.10	N 34 11 E
2720.00	2678.68	41.3	2581.08	233.67 N 158.48 E	282.34	N 34 9 E
2730.00	2687.74	42.3	2590.14	237.27 N 160.73 E	286.59	N 34 7 E
2740.00	2696.79	43.2	2599.19	240.87 N 162.98 E	290.83	N 34 5 E
2750.00	2705.84	44.2	2608.24	244.47 N 165.23 E	295.07	N 34 3 E
2760.00	2714.89	45.1	2617.29	248.07 N 167.48 E	299.31	N 34 1 E
2770.00	2723.95	46.1	2626.35	251.67 N 169.73 E	303.56	N 34 0 E
2780.00	2733.00	47.0	2635.40	255.27 N 171.98 E	307.80	N 33 58 E
2790.00	2741.99	48.0	2644.39	258.98 N 174.29 E	312.16	N 33 56 E
2800.00	2750.84	49.2	2653.24	262.93 N 176.76 E	316.82	N 33 55 E
2810.00	2759.69	50.3	[illegible]	266.87 N 179.22 E	321.47	N 33 53 E
2820.00	2768.54	51.5	[illegible]	270.82 N [illegible] E	326.12	N 33 51 E
2830.00	2777.39	52.6	2679.79	274.77 N 184.16 E	330.78	N 33 50 E
2840.00	2786.24	53.8	[illegible]	[illegible] N 186.63 E	335.43	N 33 48 E
2850.00	2795.09	54.9	2697.49	282.46 N 189.09 E	340.08	N 33 47 E
2860.00	2803.94	56.1	2706.34	286.61 N 191.56 E	344.74	N 33 45 E
2870.00	2812.79	57.2	2715.19	290.56 N 194.03 E	349.39	N 33 44 E
2880.00	2821.64	58.4	2724.03	294.51 N 196.49 E	354.04	N 33 43 E
2890.00	2830.32	59.7	2732.72	298.65 N 199.23 E	359.01	N 33 42 E
2900.00	2839.00	61.0	2741.40	302.79 N 201.97 E	363.97	N 33 42 E
2910.00	2847.68	62.3	2750.08	306.92 N 204.71 E	368.93	N 33 42 E
2920.00	2856.36	63.6	2758.76	311.06 N 207.45 E	373.89	N 33 42 E
2930.00	2865.04	65.0	2767.44	315.20 N 210.19 E	378.85	N 33 42 E
2940.00	2873.73	66.3	2776.13	319.34 N 212.93 E	383.81	N 33 42 E
2950.00	2882.31	67.7	2784.71	323.59 N 215.78 E	388.93	N 33 42 E
2960.00	2890.86	69.1	2793.26	327.89 N 218.68 E	394.12	N 33 42 E
2970.00	2899.41	70.6	2801.81	332.19 N 221.58 E	399.31	N 33 42 E
2980.00	2907.96	72.0	2810.36	336.49 N 224.48 E	404.50	N 33 42 E
2990.00	2916.51	73.5	2818.91	340.79 N 227.38 E	409.68	N 33 43 E

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3000.00	2925.06	74.9	2827.46	345.09 N 230.28 E	414.87	N 33 43 E
3010.00	2933.61	76.4	2836.01	349.38 N 233.21 E	420.06	N 33 43 E
3020.00	2942.16	77.8	2844.56	353.65 N 236.14 E	425.25	N 33 44 E
3030.00	2950.71	79.3	2853.10	357.93 N 239.08 E	430.43	N 33 44 E
3040.00	2959.25	80.7	2861.65	362.20 N 242.02 E	435.62	N 33 45 E
3050.00	2967.80	82.2	2870.20	366.48 N 244.96 E	440.81	N 33 46 E
3060.00	2976.35	83.6	2878.75	370.75 N 247.90 E	445.99	N 33 46 E
3070.00	2984.90	85.1	2887.30	375.03 N 250.84 E	451.18	N 33 47 E
3080.00	2993.45	86.6	2895.85	379.30 N 253.77 E	456.37	N 33 47 E
3090.00	3002.00	88.0	2904.40	383.58 N 256.71 E	461.56	N 33 48 E
3100.00	3010.55	89.5	2912.95	387.85 N 259.65 E	466.74	N 33 48 E
3110.00	3019.10	90.9	[illegible]	[illegible] N 262.59 E	471.93	N 33 48 E
3120.00	3027.65	92.4	[illegible]	[illegible] N 265.53 E	477.12	N 33 49 E
3130.00	3036.19	93.8	2938.59	400.68 N 268.46 E	482.30	N 33 49 E
3140.00	3044.74	95.3	[illegible]	[illegible] N 271.40 E	487.49	N 33 50 E
3150.00	3053.29	96.7	2955.69	409.25 N 274.34 E	492.68	N 33 50 E
3160.00	3061.84	98.2	2964.24	413.51 N 277.28 E	497.87	N 33 51 E
3170.00	3070.39	99.6	2972.79	417.78 N 280.22 E	503.05	N 33 51 E
3180.00	3078.94	101.1	2981.34	422.06 N 283.16 E	508.24	N 33 51 E
3190.00	3087.49	102.5	2989.89	426.33 N 286.09 E	513.43	N 33 52 E
3200.00	3096.04	104.0	2998.44	430.61 N 289.03 E	518.61	N 33 52 E
3210.00	3104.58	105.4	3006.98	434.88 N 291.97 E	523.80	N 33 53 E
3220.00	3113.13	106.9	3015.53	439.16 N 294.91 E	528.99	N 33 53 E
3230.00	3121.68	108.3	3024.08	443.43 N 297.85 E	534.18	N 33 53 E
3240.00	3130.23	109.8	3032.63	447.71 N 300.79 E	539.36	N 33 54 E
3250.00	3138.78	111.2	3041.18	451.98 N 303.72 E	544.55	N 33 54 E
3260.00	3147.33	112.7	3049.73	456.26 N 306.66 E	549.74	N 33 54 E
3270.00	3155.88	114.1	3058.28	460.53 N 309.60 E	554.93	N 33 55 E
3280.00	3164.43	115.6	3066.83	464.81 N 312.54 E	560.11	N 33 55 E
3290.00	3172.98	117.0	3075.38	469.08 N 315.48 E	565.30	N 33 55 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
3300.00	3181.52	118.5	3083.92	473.34 N 318.44 E	570.49	N 33 56 E
3310.00	3190.07	119.9	3092.47	477.59 N 321.41 E	575.67	N 33 56 E
3320.00	3198.62	121.4	3101.02	481.84 N 324.39 E	580.86	N 33 57 E
3330.00	3207.17	122.8	3109.57	486.09 N 327.36 E	586.05	N 33 58 E
3340.00	3215.72	124.3	3118.12	490.34 N 330.34 E	591.23	N 33 58 E
3350.00	3224.27	125.7	3126.67	494.59 N 333.31 E	596.42	N 33 59 E
3360.00	3232.82	127.2	3135.22	498.84 N 336.29 E	601.61	N 33 59 E
3370.00	3241.37	128.6	3143.77	503.09 N 339.27 E	606.79	N 34 0 E
3380.00	3249.92	130.1	3152.32	507.34 N 342.24 E	611.98	N 34 0 E
3390.00	3258.46	131.5	3160.86	511.59 N 345.22 E	617.17	N 34 1 E
3400.00	3267.01	133.0	3169.41	515.84 N 348.19 E	622.35	N 34 1 E
3410.00	3275.56	134.4	3177.96	520.09 N 351.17 E	627.54	N 34 2 E
3420.00	3284.11	135.9	3186.51	524.34 N 354.14 E	632.73	N 34 2 E
3430.00	3292.66	137.3	3195.06	528.59 N 357.12 E	637.92	N 34 3 E
3440.00	3301.21	138.8	3203.61	532.83 N 360.09 E	643.10	N 34 3 E
3450.00	3309.76	140.2	3212.16	537.08 N 363.07 E	648.29	N 34 4 E
3460.00	3318.31	141.7	3220.71	541.33 N 366.04 E	653.48	N 34 4 E
3470.00	3326.86	143.1	3229.26	545.58 N 369.02 E	658.66	N 34 4 E
3480.00	3335.40	144.6	3237.80	549.83 N 372.00 E	663.85	N 34 5 E
3490.00	3343.95	146.0	3246.35	554.08 N 374.97 E	669.04	N 34 5 E
3500.00	3352.50	147.5	3254.90	558.33 N 377.95 E	674.22	N 34 6 E
3510.00	3361.05	148.9	3263.45	562.58 N 380.92 E	679.41	N 34 6 E
3520.00	3369.60	150.4	3272.00	566.83 N 383.90 E	684.60	N 34 7 E
3530.00	3378.15	151.9	3280.55	571.08 N 386.87 E	689.78	N 34 7 E
3540.00	3386.70	153.3	3289.10	575.33 N 389.85 E	694.97	N 34 7 E
3550.00	3395.25	154.8	3297.65	579.58 N 392.82 E	700.16	N 34 8 E
3560.00	3403.80	156.2	3306.20	583.83 N 395.80 E	705.35	N 34 8 E
3570.00	3412.34	157.7	3314.74	588.08 N 398.77 E	710.53	N 34 8 E
3580.00	3420.89	159.1	3323.29	592.33 N 401.75 E	715.72	N 34 9 E
3590.00	3429.44	160.6	3331.84	596.58 N 404.73 E	720.91	N 34 9 E

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3600.00	3437.99	162.0	3340.39	600.83 N 407.70 E	726.09	N 34 10 E
3610.00	3446.45	163.5	3348.85	605.15 N 410.81 E	731.42	N 34 10 E
3620.00	3454.87	165.1	3357.27	609.51 N 413.98 E	736.81	N 34 11 E
3630.00	3463.30	166.7	3365.70	613.88 N 417.15 E	742.20	N 34 12 E
3640.00	3471.72	168.3	3374.12	618.24 N 420.32 E	747.59	N 34 13 E
3650.00	3480.14	169.9	3382.54	622.60 N 423.49 E	752.97	N 34 13 E
3660.00	3488.56	171.4	3390.96	626.96 N 426.66 E	758.36	N 34 14 E
3670.00	3496.98	173.0	3399.38	631.32 N 429.82 E	763.75	N 34 15 E
3680.00	3505.41	174.6	3407.81	635.68 N 432.99 E	769.14	N 34 16 E
3690.00	3513.83	176.2	3416.23	640.04 N 436.16 E	774.53	N 34 16 E
3700.00	3522.25	177.8	3424.65	644.41 N 439.33 E	779.92	N 34 17 E
3710.00	3530.67	179.3	[illegible]	[illegible] N 442.50 E	785.31	N 34 18 E
3720.00	3539.09	180.9	[illegible]	[illegible]	790.69	N 34 18 E
3730.00	3547.52	182.5	3449.92	657.49 N 448.84 E	796.08	N 34 19 E
3740.00	3555.94	184.1	[illegible]	[illegible] N 452.01 E	801.47	N 34 20 E
3750.00	3564.36	185.6	3466.76	[illegible] N 455.17 E	806.86	N 34 21 E
3760.00	3572.78	187.2	3475.18	670.57 N 458.34 E	812.25	N 34 21 E
3770.00	3581.20	188.8	3483.60	674.94 N 461.51 E	817.64	N 34 22 E
3780.00	3589.63	190.4	3492.03	679.30 N 464.68 E	823.03	N 34 22 E
3790.00	3598.05	192.0	3500.45	683.66 N 467.85 E	828.42	N 34 23 E
3800.00	3606.47	193.5	3508.87	688.02 N 471.02 E	833.80	N 34 24 E
3810.00	3614.89	195.1	3517.29	692.38 N 474.19 E	839.19	N 34 24 E
3820.00	3623.31	196.7	3525.71	696.74 N 477.36 E	844.58	N 34 25 E
3830.00	3631.74	198.3	3534.14	701.10 N 480.52 E	849.97	N 34 26 E
3840.00	3640.16	199.8	3542.56	705.47 N 483.69 E	855.36	N 34 26 E
3850.00	3648.58	201.4	3550.98	709.83 N 486.86 E	860.75	N 34 27 E
3860.00	3657.00	203.0	3559.40	714.19 N 490.03 E	866.14	N 34 27 E
3870.00	3665.42	204.6	3567.82	718.55 N 493.20 E	871.53	N 34 28 E
3880.00	3673.85	206.2	3576.25	722.91 N 496.37 E	876.92	N 34 28 E
3890.00	3682.27	207.7	3584.67	727.27 N 499.54 E	882.31	N 34 29 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
3900.00	3690.69	209.3	3593.09	731.63 N 502.71 E	887.69	N 34 30 E
3910.00	3699.11	210.9	3601.51	735.99 N 505.89 E	893.09	N 34 30 E
3920.00	3707.47	212.5	3609.87	740.34 N 509.23 E	898.57	N 34 31 E
3930.00	3715.83	214.2	3618.23	744.69 N 512.57 E	904.04	N 34 32 E
3940.00	3724.19	215.8	3626.59	749.04 N 515.90 E	909.52	N 34 33 E
3950.00	3732.56	217.4	3634.96	753.39 N 519.24 E	914.99	N 34 34 E
3960.00	3740.92	219.1	3643.32	757.74 N 522.58 E	920.47	N 34 36 E
3970.00	3749.28	220.7	3651.68	762.09 N 525.92 E	925.95	N 34 37 E
3980.00	3757.65	222.4	3660.05	766.44 N 529.26 E	931.42	N 34 38 E
3990.00	3766.01	224.0	3668.41	770.79 N 532.59 E	936.90	N 34 39 E
4000.00	3774.37	225.6	3676.77	775.14 N 535.93 E	942.37	N 34 40 E
4010.00	3782.73	227.3	[illegible]	[illegible] N 539.27 E	947.85	N 34 41 E
4020.00	3791.10	228.9	[illegible]	[illegible]	953.33	N 34 42 E
4030.00	3799.46	230.5	3701.86	788.19 N 545.94 E	958.80	N 34 43 E
4040.00	3807.82	232.2	[illegible]	[illegible]	964.28	N 34 43 E
4050.00	3816.19	233.8	3718.59	796.89 N 552.62 E	969.75	N 34 44 E
4060.00	3824.55	235.5	3726.95	801.24 N 555.96 E	975.23	N 34 45 E
4070.00	3832.91	237.1	3735.31	805.59 N 559.29 E	980.71	N 34 46 E
4080.00	3841.27	238.7	3743.67	809.94 N 562.63 E	986.18	N 34 47 E
4090.00	3849.64	240.4	3752.04	814.29 N 565.97 E	991.66	N 34 48 E
4100.00	3858.00	242.0	3760.40	818.64 N 569.31 E	997.14	N 34 49 E
4110.00	3866.36	243.6	3768.76	822.99 N 572.65 E	1002.61	N 34 50 E
4120.00	3874.73	245.3	3777.13	827.34 N 575.98 E	1008.09	N 34 51 E
4130.00	3883.09	246.9	3785.49	831.69 N 579.32 E	1013.57	N 34 52 E
4140.00	3891.45	248.5	3793.85	836.04 N 582.66 E	1019.05	N 34 52 E
4150.00	3899.81	250.2	3802.21	840.39 N 586.00 E	1024.52	N 34 53 E
4160.00	3908.18	251.8	3810.58	844.74 N 589.33 E	1030.00	N 34 54 E
4170.00	3916.54	253.5	3818.94	849.09 N 592.67 E	1035.48	N 34 55 E
4180.00	3924.90	255.1	3827.30	853.44 N 596.01 E	1040.95	N 34 56 E
4190.00	3933.27	256.7	3835.67	857.76 N 599.38 E	1046.43	N 34 57 E

Eastman Whipstock
A PETROLITE COMPANY

BEST AVAILABLE COPY

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
4200.00	3941.63	258.4	3844.03	862.02 N 602.83 E	1051.90	N 34 58 E
4210.00	3949.99	260.0	3852.39	866.28 N 606.28 E	1057.37	N 34 59 E
4220.00	3958.35	261.6	3860.75	870.54 N 609.73 E	1062.84	N 35 0 E
4230.00	3966.72	263.3	3869.12	874.81 N 613.18 E	1068.31	N 35 2 E
4240.00	3975.08	264.9	3877.48	879.07 N 616.63 E	1073.78	N 35 3 E
4250.00	3983.44	266.6	3885.84	883.33 N 620.08 E	1079.25	N 35 4 E
4260.00	3991.81	268.2	3894.21	887.59 N 623.53 E	1084.71	N 35 5 E
4270.00	4000.17	269.8	3902.57	891.85 N 626.98 E	1090.18	N 35 6 E
4280.00	4008.53	271.5	3910.93	896.11 N 630.43 E	1095.66	N 35 8 E
4290.00	4016.89	273.1	3919.29	900.37 N 633.88 E	1101.13	N 35 9 E
4300.00	4025.26	274.7	3927.66	904.63 N 637.33 E	1106.60	N 35 10 E
4310.00	4033.62	276.4	[illegible]	908.89 N 640.78 E	1112.07	N 35 11 E
4320.00	4041.98	278.0	[illegible]	913.15 N [illegible]	1117.54	N 35 12 E
4330.00	4050.35	279.7	3952.75	917.41 N 647.69 E	1123.01	N 35 13 E
4340.00	4058.71	281.3	[illegible]	[illegible]	1128.48	N 35 14 E
4350.00	4067.07	282.9	3969.47	925.94 N 654.59 E	1133.95	N 35 16 E
4360.00	4075.43	284.6	3977.83	930.20 N 658.04 E	1139.42	N 35 17 E
4370.00	4083.80	286.2	3986.20	934.46 N 661.49 E	1144.89	N 35 18 E
4380.00	4092.16	287.8	3994.56	938.72 N 664.94 E	1150.36	N 35 19 E
4390.00	4100.52	289.5	4002.92	942.98 N 668.39 E	1155.83	N 35 20 E
4400.00	4108.89	291.1	4011.29	947.24 N 671.84 E	1161.31	N 35 21 E
4410.00	4117.25	292.8	4019.65	951.50 N 675.29 E	1166.78	N 35 22 E
4420.00	4125.61	294.4	4028.01	955.76 N 678.74 E	1172.25	N 35 23 E
4430.00	4133.97	296.0	4036.37	960.02 N 682.19 E	1177.72	N 35 24 E
4440.00	4142.34	297.7	4044.74	964.28 N 685.64 E	1183.19	N 35 25 E
4450.00	4150.70	299.3	4053.10	968.54 N 689.09 E	1188.66	N 35 26 E
4460.00	4159.06	300.9	4061.46	972.80 N 692.54 E	1194.14	N 35 27 E
4470.00	4167.43	302.6	4069.83	977.07 N 695.99 E	1199.61	N 35 28 E
4480.00	4175.79	304.2	4078.19	981.33 N 699.44 E	1205.08	N 35 29 E
4490.00	4184.15	305.8	4086.55	985.59 N 702.89 E	1210.55	N 35 30 E

Eastman Whipstock
A PE 925 4.9 COMPANY

BEST AVAILABLE COPY

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		CLOSURE DISTANCE FEET	DIRECTION D M
4500.00	4192.51	307.5	4094.91	989.85 N	706.34 E	1216.03	N 35 31 E
4510.00	4200.88	309.1	4103.28	994.11 N	709.79 E	1221.50	N 35 32 E
4520.00	4209.24	310.8	4111.64	998.37 N	713.24 E	1226.97	N 35 33 E
4530.00	4217.60	312.4	4120.00	1002.63 N	716.69 E	1232.44	N 35 33 E
4540.00	4225.97	314.0	4128.37	1006.79 N	720.26 E	1237.90	N 35 35 E
4550.00	4234.33	315.7	4136.73	1010.93 N	723.86 E	1243.36	N 35 36 E
4560.00	4242.69	317.3	4145.09	1015.07 N	727.45 E	1248.82	N 35 38 E
4570.00	4251.05	318.9	4153.45	1019.21 N	731.05 E	1254.28	N 35 39 E
4580.00	4259.42	320.6	4161.82	1023.34 N	734.65 E	1259.74	N 35 40 E
4590.00	4267.78	322.2	4170.18	1027.48 N	738.25 E	1265.20	N 35 42 E
4600.00	4276.14	323.9	4178.54	1031.62 N	741.84 E	1270.66	N 35 43 E
4610.00	4284.51	325.5	[illegible]	1035.76 N	745.44 E	1276.12	N 35 45 E
4620.00	4292.87	327.1	[illegible]	1039.90 N	749.04 E	1281.58	N 35 46 E
4630.00	4301.23	328.8	4203.63	1044.03 N	752.63 E	1287.04	N 35 47 E
4640.00	4309.59	330.4	[illegible]	1048.17 N	756.23 E	1292.50	N 35 49 E
4650.00	4317.96	332.0	4220.36	1052.31 N	759.83 E	1297.96	N 35 50 E
4660.00	4326.32	333.7	4228.72	1056.45 N	763.42 E	1303.42	N 35 51 E
4670.00	4334.68	335.3	4237.08	1060.58 N	767.02 E	1308.88	N 35 52 E
4680.00	4343.05	337.0	4245.45	1064.72 N	770.62 E	1314.34	N 35 54 E
4690.00	4351.41	338.6	4253.81	1068.86 N	774.21 E	1319.80	N 35 55 E
4700.00	4359.77	340.2	4262.17	1073.00 N	777.81 E	1325.26	N 35 56 E
4710.00	4368.13	341.9	4270.53	1077.14 N	781.41 E	1330.72	N 35 58 E
4720.00	4376.50	343.5	4278.90	1081.27 N	785.01 E	1336.18	N 35 59 E
4730.00	4384.86	345.1	4287.26	1085.41 N	788.60 E	1341.65	N 36 0 E
4740.00	4393.22	346.8	4295.62	1089.55 N	792.20 E	1347.11	N 36 1 E
4750.00	4401.59	348.4	4303.99	1093.69 N	795.80 E	1352.57	N 36 2 E
4760.00	4409.95	350.1	4312.35	1097.82 N	799.39 E	1358.03	N 36 4 E
4770.00	4418.31	351.7	4320.71	1101.96 N	802.99 E	1363.49	N 36 5 E
4780.00	4426.67	353.3	4329.07	1106.10 N	806.59 E	1368.96	N 36 6 E
4790.00	4435.04	355.0	4337.44	1110.24 N	810.18 E	1374.42	N 36 7 E

Eastman Whipstock
BEST AVAILABLE COPY

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
4800.00	4443.40	356.6	4345.80	1114.38 N 813.78 E	1379.88	N 36 8 E
4810.00	4451.76	358.2	4354.16	1118.51 N 817.38 E	1385.35	N 36 10 E
4820.00	4460.13	359.9	4362.53	1122.65 N 820.98 E	1390.81	N 36 11 E
4830.00	4468.49	361.5	4370.89	1126.79 N 824.57 E	1396.27	N 36 12 E
4840.00	4476.85	363.1	4379.25	1130.93 N 828.17 E	1401.73	N 36 13 E
4850.00	4485.21	364.8	4387.61	1135.07 N 831.77 E	1407.20	N 36 14 E
4860.00	4493.58	366.4	4395.98	1139.20 N 835.36 E	1412.66	N 36 15 E
4870.00	4501.94	368.1	4404.34	1143.34 N 838.96 E	1418.13	N 36 16 E
4880.00	4510.30	369.7	4412.70	1147.48 N 842.56 E	1423.59	N 36 17 E
4890.00	4518.67	371.3	4421.07	1151.62 N 846.15 F	1429.05	N 36 18 E
4900.00	4527.03	373.0	4429.43	1155.75 N 849.75 E	1434.52	N 36 19 E
4910.00	4535.39	374.6	[illegible]	[illegible].89 N 853.35 E	1439.98	N 36 21 E
4920.00	4543.75	376.2	[illegible]	[illegible].03 N [illegible] E	1445.45	N 36 22 E
4930.00	4552.12	377.9	4454.52	1168.17 N 860.54 E	1450.91	N 36 23 E
4940.00	4560.48	379.5	[illegible]	[illegible] N [illegible] E	1456.38	N 36 24 E
4950.00	4568.84	381.2	4471.24	1176.44 N 867.74 E	1461.84	N 36 25 E
4960.00	4577.21	382.8	4479.61	1180.58 N 871.33 E	1467.31	N 36 26 E
4970.00	4585.57	384.4	4487.97	1184.72 N 874.93 E	1472.77	N 36 27 E
4980.00	4593.93	386.1	4496.33	1188.86 N 878.53 E	1478.24	N 36 28 E
4990.00	4602.29	387.7	4504.69	1192.99 N 882.12 E	1483.70	N 36 29 E
5000.00	4610.63	389.4	4513.03	1197.12 N 885.79 E	1489.20	N 36 30 E
5010.00	4618.91	391.1	4521.31	1201.22 N 889.61 E	1494.78	N 36 31 E
5020.00	4627.19	392.8	4529.59	1205.33 N 893.44 E	1500.35	N 36 33 E
5030.00	4635.47	394.5	4537.87	1209.43 N 897.27 E	1505.92	N 36 34 E
5040.00	4643.74	396.3	4546.14	1213.53 N 901.09 E	1511.50	N 36 36 E
5050.00	4652.02	398.0	4554.42	1217.63 N 904.92 E	1517.07	N 36 37 E
5060.00	4660.30	399.7	4562.70	1221.74 N 908.74 E	1522.65	N 36 39 E
5070.00	4668.58	401.4	4570.98	1225.84 N 912.57 E	1528.22	N 36 40 E
5080.00	4676.85	403.1	4579.25	1229.94 N 916.39 E	1533.80	N 36 41 E
5090.00	4685.13	404.9	4587.53	1234.04 N 920.22 E	1539.37	N 36 43 E

Eastman Whipstock
A FELCO COMPANY

BEST AVAILABLE COPY

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
5100.00	4693.41	406.6	4595.81	1238.15 N 924.05 E	1544.95	N 36 44 E
5110.00	4701.69	408.3	4604.09	1242.25 N 927.87 E	1550.53	N 36 45 E
5120.00	4709.97	410.0	4612.37	1246.35 N 931.70 E	1556.10	N 36 47 E
5130.00	4718.24	411.8	4620.64	1250.45 N 935.52 E	1561.68	N 36 48 E
5140.00	4726.52	413.5	4628.92	1254.56 N 939.35 E	1567.26	N 36 49 E
5150.00	4734.80	415.2	4637.20	1258.66 N 943.17 E	1572.83	N 36 51 E
5160.00	4743.08	416.9	4645.48	1262.76 N 947.00 E	1578.41	N 36 52 E
5170.00	4751.35	418.6	4653.75	1266.86 N 950.83 E	1583.99	N 36 53 E
5180.00	4759.63	420.4	4662.03	1270.97 N 954.65 E	1589.56	N 36 55 E
5190.00	4767.91	422.1	4670.31	1275.07 N 958.48 F	1595.14	N 36 56 E
5200.00	4776.19	423.8	4678.59	1279.17 N 962.30 E	1600.72	N 36 57 E
5210.00	4784.47	425.5	[illegible]	[illegible] N 966.13 E	1606.30	N 36 58 E
5220.00	4792.74	427.3	[illegible]	[illegible]	1611.88	N 37 0 E
5230.00	4801.02	429.0	4703.[illegible]	1291.48 N 973.78 E	1617.46	N 37 1 E
5240.00	4809.30	430.7	[illegible]	[illegible]	1623.04	N 37 2 E
5250.00	4817.58	432.4	4719.98	[illegible] N 981.43 E	1628.62	N 37 3 E
5260.00	4825.85	434.1	4728.25	1303.79 N 985.26 E	1634.19	N 37 5 E
5270.00	4834.13	435.9	4736.53	1307.89 N 989.08 E	1639.77	N 37 6 E
5280.00	4842.41	437.6	4744.81	1311.99 N 992.91 E	1645.35	N 37 7 E
5290.00	4850.69	439.3	4753.09	1316.10 N 996.73 E	1650.93	N 37 8 E
5300.00	4858.97	441.0	4761.37	1320.20 N 1000.56 E	1656.51	N 37 9 E
5310.00	4867.24	442.8	4769.64	1324.30 N 1004.38 E	1662.10	N 37 11 E
5320.00	4875.52	444.5	4777.92	1328.40 N 1008.21 E	1667.68	N 37 12 E
5330.00	4883.80	446.2	4786.20	1332.51 N 1012.04 E	1673.26	N 37 13 E
5340.00	4892.08	447.9	4794.48	1336.61 N 1015.86 E	1678.84	N 37 14 E
5350.00	4900.36	449.6	4802.76	1340.71 N 1019.69 E	1684.42	N 37 15 E
5360.00	4908.63	451.4	4811.03	1344.81 N 1023.51 E	1690.00	N 37 16 E
5370.00	4916.91	453.1	4819.31	1348.92 N 1027.34 E	1695.58	N 37 18 E
5380.00	4925.19	454.8	4827.59	1353.02 N 1031.16 E	1701.16	N 37 19 E
5390.00	4933.47	456.5	4835.87	1357.12 N 1034.99 E	1706.75	N 37 20 E

Eastman Whipstock
BEST AVAILABLE COPY

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
5400.00	4941.74	458.3	4844.14	1361.22 N 1038.82 E	1712.33	N 37 21 E
5410.00	4950.02	460.0	4852.42	1365.33 N 1042.64 E	1717.91	N 37 22 E
5420.00	4958.30	461.7	4860.70	1369.43 N 1046.47 E	1723.49	N 37 23 E
5430.00	4966.58	463.4	4868.98	1373.53 N 1050.29 E	1729.08	N 37 24 E
5440.00	4974.86	465.1	4877.26	1377.63 N 1054.12 E	1734.66	N 37 25 E
5450.00	4983.13	466.9	4885.53	1381.74 N 1057.94 E	1740.24	N 37 26 E
5460.00	4991.41	468.6	4893.81	1385.83 N 1061.78 E	1745.82	N 37 28 E
5470.00	4999.68	470.3	4902.08	1389.84 N 1065.73 E	1751.41	N 37 29 E
5480.00	5007.94	472.1	4910.34	1393.86 N 1069.67 E	1757.00	N 37 30 E
5490.00	5016.21	473.8	4918.61	1397.87 N 1073.62 E	1762.58	N 37 32 E
5500.00	5024.47	475.5	4926.87	1401.89 N 1077.56 E	1768.17	N 37 33 E
5510.00	5032.74	477.3	[illegible]	[illegible] N 1081.50 E	1773.75	N 37 34 E
5520.00	5041.00	479.0	[illegible]	[illegible] N 1085.45 E	1779.34	N 37 36 E
5530.00	5049.27	480.7	4951.67	1413.93 N 1089.39 E	1784.93	N 37 37 E
5540.00	5057.54	482.5	[illegible]	[illegible] N 1093.34 E	1790.52	N 37 38 E
5550.00	5065.80	484.2	4968.20	1421.96 N 1097.28 E	1796.10	N 37 39 E
5560.00	5074.07	485.9	4976.47	1425.97 N 1101.23 E	1801.69	N 37 41 E
5570.00	5082.33	487.7	4984.73	1429.98 N 1105.17 E	1807.28	N 37 42 E
5580.00	5090.60	489.4	4993.00	1434.00 N 1109.12 E	1812.87	N 37 43 E
5590.00	5098.86	491.1	5001.26	1438.01 N 1113.06 E	1818.46	N 37 44 E
5600.00	5107.13	492.9	5009.53	1442.03 N 1117.01 E	1824.04	N 37 46 E
5610.00	5115.39	494.6	5017.79	1446.04 N 1120.95 E	1829.63	N 37 47 E
5620.00	5123.66	496.3	5026.06	1450.05 N 1124.89 E	1835.22	N 37 48 E
5630.00	5131.93	498.1	5034.33	1454.07 N 1128.84 E	1840.81	N 37 49 E
5640.00	5140.19	499.8	5042.59	1458.08 N 1132.78 E	1846.40	N 37 51 E
5650.00	5148.46	501.5	5050.86	1462.10 N 1136.73 E	1851.99	N 37 52 E
5660.00	5156.72	503.3	5059.12	1466.11 N 1140.67 E	1857.58	N 37 53 E
5670.00	5164.99	505.0	5067.39	1470.12 N 1144.62 E	1863.17	N 37 54 E
5680.00	5173.25	506.7	5075.65	1474.14 N 1148.56 E	1868.76	N 37 55 E
5690.00	5181.52	508.5	5083.92	1478.15 N 1152.51 E	1874.35	N 37 57 E

Eastman Whipstock
A PENNZOIL COMPANY

BEST AVAILABLE COPY

MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
5700.00	5189.79	510.2	5092.19	1482.17 N 1156.45 E	1879.95	N 37 58 E
5710.00	5198.05	511.9	5100.45	1486.18 N 1160.40 E	1885.54	N 37 59 E
5720.00	5206.32	513.7	5108.72	1490.19 N 1164.34 E	1891.13	N 38 0 E
5730.00	5214.58	515.4	5116.98	1494.21 N 1168.28 E	1896.72	N 38 1 E
5740.00	5222.88	517.1	5125.28	1498.18 N 1172.21 E	1902.26	N 38 2 E
5750.00	5231.26	518.7	5133.66	1502.04 N 1176.07 E	1907.69	N 38 4 E
5760.00	5239.63	520.4	5142.03	1505.91 N 1179.93 E	1913.11	N 38 5 E
5770.00	5248.00	522.0	5150.40	1509.77 N 1183.80 E	1918.54	N 38 6 E
5780.00	5256.38	523.6	5158.78	1513.63 N 1187.66 E	1923.96	N 38 7 E
5790.00	5264.75	525.2	5167.15	1517.50 N 1191.53 E	1929.39	N 38 8 E
5800.00	5273.13	526.9	5175.53	1521.36 N 1195.39 E	1934.81	N 38 9 E
5810.00	5281.50	528.5	[illegible]	1525.23 N 1199.25 E	1940.24	N 38 11 E
5820.00	5289.88	530.1	[illegible]	1529.09 N 1203.12 E	1945.66	N 38 12 E
5830.00	5298.25	531.7	5200.65	1532.95 N 1206.98 E	1951.09	N 38 13 E
5840.00	5306.63	533.4	[illegible]	[illegible] 1210.85 E	1956.52	N 38 14 E
5850.00	5315.00	535.0	5217.40	1540.68 N 1214.71 E	1961.94	N 38 15 E
5860.00	5323.38	536.6	5225.78	1544.55 N 1218.57 E	1967.37	N 38 16 E
5870.00	5331.75	538.2	5234.15	1548.41 N 1222.44 E	1972.80	N 38 17 E
5880.00	5340.13	539.9	5242.53	1552.27 N 1226.30 E	1978.23	N 38 19 E
5890.00	5348.50	541.5	5250.90	1556.14 N 1230.17 E	1983.65	N 38 20 E
5900.00	5356.88	543.1	5259.28	1560.00 N 1234.03 E	1989.08	N 38 21 E
5910.00	5365.25	544.7	5267.65	1563.87 N 1237.89 E	1994.51	N 38 22 E
5920.00	5373.63	546.4	5276.03	1567.73 N 1241.76 E	1999.94	N 38 23 E
5930.00	5382.00	548.0	5284.40	1571.60 N 1245.62 E	2005.36	N 38 24 E
5940.00	5390.38	549.6	5292.78	1575.46 N 1249.49 E	2010.79	N 38 25 E
5950.00	5398.75	551.2	5301.15	1579.32 N 1253.35 E	2016.22	N 38 26 E
5960.00	5407.13	552.9	5309.53	1583.19 N 1257.22 E	2021.65	N 38 27 E
5970.00	5415.50	554.5	5317.90	1587.05 N 1261.08 E	2027.08	N 38 28 E
5980.00	5423.88	556.1	5326.27	1590.92 N 1264.94 E	2032.51	N 38 29 E
5990.00	5432.25	557.8	5334.65	1594.78 N 1268.81 E	2037.94	N 38 30 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
6000.00	5440.62	559.4	5343.02	1598.64 N 1272.67 E	2043.37	N 38 31 E
6010.00	5449.00	561.0	5351.40	1602.51 N 1276.54 E	2048.80	N 38 32 E
6020.00	5457.37	562.6	5359.77	1606.37 N 1280.40 E	2054.23	N 38 33 E
6030.00	5465.75	564.3	5368.15	1610.24 N 1284.26 E	2059.66	N 38 34 E
6040.00	5474.12	565.9	5376.52	1614.10 N 1288.13 E	2065.09	N 38 35 E
6050.00	5482.50	567.5	5384.90	1617.96 N 1291.99 E	2070.52	N 38 37 E
6060.00	5490.87	569.1	5393.27	1621.83 N 1295.86 E	2075.95	N 38 38 E
6070.00	5499.25	570.8	5401.65	1625.69 N 1299.72 E	2081.38	N 38 39 E
6080.00	5507.62	572.4	5410.02	1629.56 N 1303.58 E	2086.81	N 38 40 E
6090.00	5516.00	574.0	5418.40	1633.42 N 1307.45 E	2092.24	N 38 41 E
6100.00	5524.37	575.6	5426.77	1637.28 N 1311.31 E	2097.68	N 38 41 E
6110.00	5532.75	577.3	[illegible]	[illegible].15 N 1315.18 E	2103.11	N 38 42 E
6120.00	5541.12	578.9	5448.52	1645.01 N 1319.04 E	2108.54	N 38 43 E
6130.00	5549.50	580.5	5451.90	1648.88 N 1322.90 E	2113.97	N 38 44 E
6140.00	5557.87	582.1	[illegible]	[illegible]	2119.40	N 38 45 E
6150.00	5566.25	583.8	5468.65	[illegible] 1330.63 E	2124.84	N 38 46 E
6160.00	5574.62	585.4	5477.02	1660.47 N 1334.50 E	2130.27	N 38 47 E
6170.00	5583.00	587.0	5485.40	1664.33 N 1338.36 E	2135.70	N 38 48 E
6180.00	5591.37	588.6	5493.77	1668.20 N 1342.23 E	2141.13	N 38 49 E
6190.00	5599.75	590.3	5502.15	1672.06 N 1346.09 E	2146.57	N 38 50 E
6200.00	5608.12	591.9	5510.52	1675.87 N 1350.01 E	2151.99	N 38 51 E
6210.00	5616.50	593.5	5518.90	1679.67 N 1353.94 E	2157.41	N 38 52 E
6220.00	5624.87	595.1	5527.27	1683.46 N 1357.87 E	2162.83	N 38 53 E
6230.00	5633.24	596.8	5535.64	1687.26 N 1361.80 E	2168.26	N 38 54 E
6240.00	5641.62	598.4	5544.02	1691.05 N 1365.73 E	2173.68	N 38 56 E
6250.00	5649.99	600.0	5552.39	1694.85 N 1369.66 E	2179.10	N 38 57 E
6260.00	5658.37	601.6	5560.77	1698.65 N 1373.59 E	2184.53	N 38 58 E
6270.00	5666.74	603.3	5569.14	1702.44 N 1377.52 E	2189.95	N 38 59 E
6280.00	5675.12	604.9	5577.52	1706.24 N 1381.45 E	2195.37	N 39 0 E
6290.00	5683.49	606.5	5585.89	1710.03 N 1385.38 E	2200.80	N 39 1 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
6300.00	5691.87	608.1	5594.27	1713.83 N 1389.31 E	2206.22	N 39 2 E
6310.00	5700.24	609.8	5602.64	1717.63 N 1393.25 E	2211.64	N 39 3 E
6320.00	5708.62	611.4	5611.02	1721.42 N 1397.18 E	2217.07	N 39 4 E
6330.00	5716.99	613.0	5619.39	1725.22 N 1401.11 E	2222.49	N 39 5 E
6340.00	5725.37	614.6	5627.77	1729.01 N 1405.04 E	2227.92	N 39 6 E
6350.00	5733.74	616.3	5636.14	1732.81 N 1408.97 E	2233.34	N 39 7 E
6360.00	5742.12	617.9	5644.52	1736.61 N 1412.90 E	2238.77	N 39 8 E
6370.00	5750.49	619.5	5652.89	1740.40 N 1416.83 E	2244.19	N 39 9 E
6380.00	5758.87	621.1	5661.27	1744.20 N 1420.76 E	2249.62	N 39 10 E
6390.00	5767.24	622.8	5669.64	1747.99 N 1424.69 E	2255.04	N 39 11 E
6400.00	5775.62	624.4	5678.02	1751.79 N 1428.62 E	2260.47	N 39 12 E
6410.00	5783.99	626.0	[illegible]	[illegible].58 N 1432.55 E	2265.90	N 39 13 E
6420.00	5792.37	627.6	[illegible]	1759.38 N [illegible]	2271.32	N 39 14 E
6430.00	5800.74	629.3	5703.14	1763.18 N 1440.41 E	2276.75	N 39 15 E
6440.00	5809.11	630.9	[illegible]	[illegible] N [illegible]	2282.18	N 39 16 E
6450.00	5817.49	632.5	5719.89	[illegible] 1448.28 E	2287.60	N 39 17 E
6460.00	5825.86	634.1	5728.26	1774.56 N 1452.21 E	2293.03	N 39 18 E
6470.00	5834.24	635.8	5736.64	1778.36 N 1456.14 E	2298.46	N 39 19 E
6480.00	5842.61	637.4	5745.01	1782.16 N 1460.07 E	2303.88	N 39 20 E
6490.00	5850.99	639.0	5753.39	1785.95 N 1464.00 E	2309.31	N 39 21 E
6500.00	5859.36	640.6	5761.76	1789.75 N 1467.93 E	2314.74	N 39 21 E
6510.00	5867.74	642.3	5770.14	1793.54 N 1471.86 E	2320.17	N 39 22 E
6520.00	5876.11	643.9	5778.51	1797.34 N 1475.79 E	2325.59	N 39 23 E
6530.00	5884.49	645.5	5786.89	1801.14 N 1479.72 E	2331.02	N 39 24 E
6540.00	5892.86	647.1	5795.26	1804.93 N 1483.65 E	2336.45	N 39 25 E
6550.00	5901.24	648.8	5803.64	1808.73 N 1487.58 E	2341.88	N 39 26 E
6560.00	5909.61	650.4	5812.01	1812.52 N 1491.51 E	2347.31	N 39 27 E
6570.00	5917.99	652.0	5820.39	1816.32 N 1495.44 E	2352.74	N 39 28 E
6580.00	5926.36	653.6	5828.76	1820.11 N 1499.38 E	2358.17	N 39 29 E
6590.00	5934.74	655.3	5837.14	1823.91 N 1503.31 E	2363.59	N 39 30 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
6600.00	5943.11	656.9	5845.51	1827.71 N 1507.24 E	2369.02	N 39 31 E
6610.00	5951.49	658.5	5853.89	1831.50 N 1511.17 E	2374.45	N 39 32 E
6620.00	5959.86	660.1	5862.26	1835.30 N 1515.10 E	2379.88	N 39 32 E
6630.00	5968.24	661.8	5870.64	1839.09 N 1519.03 E	2385.31	N 39 33 E
6640.00	5976.61	663.4	5879.01	1842.89 N 1522.96 E	2390.74	N 39 34 E
6650.00	5984.99	665.0	5887.39	1846.69 N 1526.89 E	2396.17	N 39 35 E
6660.00	5993.34	666.7	5895.74	1850.48 N 1530.86 E	2401.63	N 39 36 E
6670.00	6001.86	668.3	5904.06	1854.27 N 1534.92 E	2407.14	N 39 37 E
6680.00	6009.97	670.0	5912.37	1858.06 N 1538.99 E	2412.65	N 39 38 E
6690.00	6018.29	671.7	5920.69	1861.85 N 1543.05 E	2418.16	N 39 39 E
6700.00	6026.60	673.4	5929.00	1865.64 N 1547.11 E	2423.67	N 39 40 E
6710.00	6034.92	675.1	[illegible]	[illegible] N 1551.18 E	2429.18	N 39 41 E
6720.00	6043.23	676.8	[illegible]	[illegible]	2434.69	N 39 42 E
6730.00	6051.54	678.5	5953.94	1877.00 N 1559.30 E	2440.20	N 39 43 E
6740.00	6059.86	680.1	[illegible]	[illegible]	2445.71	N 39 44 E
6750.00	6068.17	681.8	5970.57	[illegible] N 1567.43 E	2451.22	N 39 45 E
6760.00	6076.49	683.5	5978.89	1888.37 N 1571.49 E	2456.73	N 39 46 E
6770.00	6084.80	685.2	5987.20	1892.16 N 1575.56 E	2462.24	N 39 47 E
6780.00	6093.12	686.9	5995.52	1895.95 N 1579.62 E	2467.75	N 39 48 E
6790.00	6101.43	688.6	6003.83	1899.74 N 1583.68 E	2473.27	N 39 49 E
6800.00	6109.75	690.3	6012.15	1903.53 N 1587.75 E	2478.78	N 39 50 E
6810.00	6118.06	691.9	6020.46	1907.31 N 1591.81 E	2484.29	N 39 51 E
6820.00	6126.38	693.6	6028.78	1911.10 N 1595.87 E	2489.80	N 39 52 E
6830.00	6134.69	695.3	6037.09	1914.89 N 1599.94 E	2495.32	N 39 53 E
6840.00	6143.01	697.0	6045.41	1918.68 N 1604.00 E	2500.83	N 39 54 E
6850.00	6151.32	698.7	6053.72	1922.47 N 1608.06 E	2506.34	N 39 55 E
6860.00	6159.63	700.4	6062.03	1926.26 N 1612.13 E	2511.86	N 39 56 E
6870.00	6167.95	702.1	6070.35	1930.05 N 1616.19 E	2517.37	N 39 57 E
6880.00	6176.26	703.7	6078.66	1933.84 N 1620.25 E	2522.88	N 39 57 E
6890.00	6184.58	705.4	6086.98	1937.63 N 1624.31 E	2528.40	N 39 58 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
6900.00	6192.89	707.1	6095.29	1941.42 N 1628.38 E	2533.91	N 39 59 E
6910.00	6201.21	708.8	6103.61	1945.20 N 1632.44 E	2539.43	N 40 0 E
6920.00	6209.52	710.5	6111.92	1948.99 N 1636.50 E	2544.94	N 40 1 E
6930.00	6217.84	712.2	6120.24	1952.78 N 1640.57 E	2550.46	N 40 2 E
6940.00	6226.15	713.8	6128.55	1956.57 N 1644.63 E	2555.97	N 40 3 E
6950.00	6234.47	715.5	6136.87	1960.36 N 1648.69 E	2561.48	N 40 4 E
6960.00	6242.78	717.2	6145.18	1964.15 N 1652.76 E	2567.00	N 40 5 E
6970.00	6251.10	718.9	6153.50	1967.94 N 1656.82 E	2572.52	N 40 6 E
6980.00	6259.41	720.6	6161.81	1971.73 N 1660.88 E	2578.03	N 40 7 E
6990.00	6267.73	722.3	6170.13	1975.52 N 1664.95 E	2583.55	N 40 7 E
7000.00	6276.04	724.0	6178.44	1979.31 N 1669.01 E	2589.06	N 40 8 E
7010.00	6284.19	725.8	[illegible]	[illegible] N 1673.34 E	2594.79	N 40 9 E
7020.00	6292.35	727.7	[illegible]	[illegible]	2600.52	N 40 11 E
7030.00	6300.50	729.5	6202.90	1990.81 N 1682.02 E	2606.24	N 40 12 E
7040.00	6308.65	731.3	[illegible]	[illegible]	2611.97	N 40 13 E
7050.00	6316.81	733.2	6219.21	1994.60 N 1690.68 E	2617.70	N 40 14 E
7060.00	6324.96	735.0	6227.36	2007.32 N 1695.02 E	2623.43	N 40 15 E
7070.00	6333.11	736.9	6235.51	2006.15 N 1699.35 E	2629.15	N 40 16 E
7080.00	6341.26	738.7	6243.66	2009.99 N 1703.69 E	2634.88	N 40 17 E
7090.00	6349.42	740.6	6251.82	2013.82 N 1708.02 E	2640.61	N 40 18 E
7100.00	6357.57	742.4	6259.97	2017.66 N 1712.36 E	2646.34	N 40 19 E
7110.00	6365.72	744.3	6268.12	2021.49 N 1716.69 E	2652.07	N 40 20 E
7120.00	6373.88	746.1	6276.28	2025.33 N 1721.03 E	2657.80	N 40 21 E
7130.00	6382.03	748.0	6284.43	2029.16 N 1725.36 E	2663.53	N 40 22 E
7140.00	6390.18	749.8	6292.58	2033.00 N 1729.70 E	2669.26	N 40 24 E
7150.00	6398.34	751.7	6300.74	2036.83 N 1734.03 E	2674.99	N 40 25 E
7160.00	6406.49	753.5	6308.89	2040.67 N 1738.37 E	2680.72	N 40 26 E
7170.00	6414.64	755.4	6317.04	2044.51 N 1742.70 E	2686.45	N 40 27 E
7180.00	6422.79	757.2	6325.19	2048.34 N 1747.04 E	2692.18	N 40 28 E
7190.00	6430.95	759.1	6333.35	2052.18 N 1751.37 E	2697.91	N 40 29 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
7200.00	6439.10	760.9	6341.50	2056.01 N 1755.71 E	2703.65	N 40 30 E
7210.00	6447.25	762.7	6349.65	2059.85 N 1760.04 E	2709.38	N 40 31 E
7220.00	6455.41	764.6	6357.81	2063.68 N 1764.38 E	2715.11	N 40 32 E
7230.00	6463.56	766.4	6365.96	2067.52 N 1768.71 E	2720.84	N 40 33 E
7240.00	6471.71	768.3	6374.11	2071.35 N 1773.05 E	2726.57	N 40 34 E
7250.00	6479.87	770.1	6382.27	2075.19 N 1777.38 E	2732.31	N 40 35 E
7260.00	6488.02	772.0	6390.42	2079.02 N 1781.72 E	2738.04	N 40 36 E
7270.00	6496.17	773.8	6398.57	2082.86 N 1786.05 E	2743.77	N 40 37 E
7280.00	6504.32	775.7	6406.72	2086.69 N 1790.39 E	2749.51	N 40 38 E
7290.00	6512.48	777.5	6414.88	2090.53 N 1794.72 E	2755.24	N 40 39 E
7300.00	6520.63	779.4	6423.03	2094.36 N 1799.06 E	2760.97	N 40 40 E
7310.00	6528.78	781.2	[illegible]	2098.20 N 1803.39 E	2766.71	N 40 41 E
7320.00	6536.75	783.2	[illegible]	[illegible]	2772.66	N 40 42 E
7330.00	6544.70	785.3	6447.40	2105.84 N 1812.79 E	2778.63	N 40 43 E
7340.00	6552.64	787.4	[illegible]	[illegible]	2784.60	N 40 45 E
7350.00	6560.59	789.4	6462.99	2113.48 N 1822.22 E	2790.57	N 40 46 E
7360.00	6568.54	791.5	6470.94	2117.30 N 1826.94 E	2796.55	N 40 47 E
7370.00	6576.48	793.5	6478.88	2121.12 N 1831.66 E	2802.52	N 40 49 E
7380.00	6584.43	795.6	6486.83	2124.94 N 1836.38 E	2808.49	N 40 50 E
7390.00	6592.38	797.6	6494.78	2128.76 N 1841.09 E	2814.47	N 40 51 E
7400.00	6600.32	799.7	6502.72	2132.58 N 1845.81 E	2820.44	N 40 53 E
7410.00	6608.27	801.7	6510.67	2136.40 N 1850.53 E	2826.42	N 40 54 E
7420.00	6616.22	803.8	6518.62	2140.22 N 1855.24 E	2832.40	N 40 55 E
7430.00	6624.16	805.8	6526.56	2144.04 N 1859.96 E	2838.37	N 40 57 E
7440.00	6632.11	807.9	6534.51	2147.86 N 1864.68 E	2844.35	N 40 58 E
7450.00	6640.06	809.9	6542.46	2151.68 N 1869.40 E	2850.33	N 40 59 E
7460.00	6648.00	812.0	6550.40	2155.50 N 1874.11 E	2856.30	N 41 0 E
7470.00	6655.95	814.0	6558.35	2159.32 N 1878.83 E	2862.28	N 41 2 E
7480.00	6663.90	816.1	6566.30	2163.14 N 1883.55 E	2868.26	N 41 3 E
7490.00	6671.84	818.2	6574.24	2166.96 N 1888.26 E	2874.24	N 41 4 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
7500.00	6679.79	820.2	6582.19	2170.78 N 1892.98 E	2880.22	N 41 5 E
7510.00	6687.74	822.3	6590.14	2174.60 N 1897.70 E	2886.20	N 41 7 E
7520.00	6695.68	824.3	6598.08	2178.42 N 1902.42 E	2892.18	N 41 8 E
7530.00	6703.63	826.4	6606.03	2182.24 N 1907.13 E	2898.16	N 41 9 E
7540.00	6711.58	828.4	6613.98	2186.06 N 1911.85 E	2904.14	N 41 10 E
7550.00	6719.52	830.5	6621.92	2189.88 N 1916.57 E	2910.12	N 41 12 E
7560.00	6727.47	832.5	6629.87	2193.70 N 1921.28 E	2916.10	N 41 13 E
7570.00	6735.42	834.6	6637.82	2197.52 N 1926.00 E	2922.08	N 41 14 E
7580.00	6743.36	836.6	6645.76	2201.34 N 1930.72 E	2928.06	N 41 15 E
7590.00	6751.31	838.7	6653.71	2205.16 N 1935.44 E	2934.05	N 41 16 E
7600.00	6759.26	840.7	6661.66	2208.98 N 1940.15 E	2940.03	N 41 18 E
7610.00	6767.20	842.8	[illegible]	[illegible] N 1944.87 E	2946.01	N 41 19 E
7620.00	6775.15	844.9	[illegible]	[illegible]	2951.99	N 41 20 E
7630.00	6783.08	846.9	6685.48	2220.39 N 1954.35 E	2957.98	N 41 21 E
7640.00	6791.01	849.0	[illegible]	[illegible] N 1959.20 E	2963.97	N 41 23 E
7650.00	6798.93	851.1	6701.33	2224.83 N 1964.04 E	2969.96	N 41 24 E
7660.00	6806.85	853.2	6709.25	2231.54 N 1968.88 E	2975.95	N 41 25 E
7670.00	6814.77	855.2	6717.17	2235.26 N 1973.73 E	2981.94	N 41 27 E
7680.00	6822.69	857.3	6725.09	2238.97 N 1978.57 E	2987.93	N 41 28 E
7690.00	6830.61	859.4	6733.01	2242.69 N 1983.41 E	2993.93	N 41 29 E
7700.00	6838.53	861.5	6740.93	2246.41 N 1988.26 E	2999.92	N 41 31 E
7710.00	6846.45	863.6	6748.85	2250.12 N 1993.10 E	3005.91	N 41 32 E
7720.00	6854.37	865.6	6756.77	2253.84 N 1997.94 E	3011.91	N 41 33 E
7730.00	6862.29	867.7	6764.69	2257.56 N 2002.79 E	3017.90	N 41 35 E
7740.00	6870.21	869.8	6772.61	2261.27 N 2007.63 E	3023.89	N 41 36 E
7750.00	6878.13	871.9	6780.53	2264.99 N 2012.47 E	3029.89	N 41 37 E
7760.00	6886.05	874.0	6788.45	2268.71 N 2017.32 E	3035.88	N 41 39 E
7770.00	6893.97	876.0	6796.37	2272.42 N 2022.16 E	3041.88	N 41 40 E
7780.00	6901.89	878.1	6804.29	2276.14 N 2027.00 E	3047.88	N 41 41 E
7790.00	6909.81	880.2	6812.21	2279.85 N 2031.85 E	3053.87	N 41 42 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
7800.00	6917.73	882.3	6820.13	2283.57 N 2036.69 E	3059.87	N 41 44 E
7810.00	6925.65	884.4	6828.05	2287.29 N 2041.53 E	3065.87	N 41 45 E
7820.00	6933.57	886.4	6835.97	2291.00 N 2046.38 E	3071.86	N 41 46 E
7830.00	6941.49	888.5	6843.89	2294.72 N 2051.22 E	3077.86	N 41 48 E
7840.00	6949.41	890.6	6851.81	2298.44 N 2056.06 E	3083.86	N 41 49 E
7850.00	6957.33	892.7	6859.73	2302.15 N 2060.91 E	3089.86	N 41 50 E
7860.00	6965.25	894.8	6867.65	2305.87 N 2065.75 E	3095.86	N 41 51 E
7870.00	6973.17	896.8	6875.57	2309.58 N 2070.59 E	3101.86	N 41 53 E
7880.00	6981.09	898.9	6883.49	2313.30 N 2075.43 E	3107.86	N 41 54 E
7890.00	6989.01	901.0	6891.41	2317.02 N 2080.28 E	3113.86	N 41 55 E
7900.00	6996.93	903.1	6899.33	2320.73 N 2085.12 E	3119.86	N 41 56 E
7910.00	7004.94	905.1	[illegible]	[illegible].30 N 2089.97 E	3125.72	N 41 58 E
7920.00	7012.97	907.0	[illegible]	[illegible]	3131.57	N 41 59 E
7930.00	7020.99	909.0	6923.39	2331.40 N 2099.51 E	3137.41	N 42 0 E
7940.00	7029.02	911.0	[illegible]	[illegible]	3143.26	N 42 2 E
7950.00	7037.05	913.0	6939.45	2338.49 N 2109.10 E	3149.10	N 42 3 E
7960.00	7045.07	914.9	6947.47	2342.04 N 2113.90 E	3154.95	N 42 4 E
7970.00	7053.10	916.9	6955.50	2345.59 N 2118.69 E	3160.80	N 42 5 E
7980.00	7061.12	918.9	6963.52	2349.14 N 2123.49 E	3166.65	N 42 7 E
7990.00	7069.15	920.9	6971.55	2352.69 N 2128.28 E	3172.50	N 42 8 E
8000.00	7077.17	922.8	6979.57	2356.23 N 2133.08 E	3178.34	N 42 9 E
8010.00	7085.20	924.8	6987.60	2359.78 N 2137.88 E	3184.19	N 42 11 E
8020.00	7093.22	926.8	6995.62	2363.33 N 2142.67 E	3190.04	N 42 12 E
8030.00	7101.25	928.8	7003.65	2366.88 N 2147.47 E	3195.89	N 42 13 E
8040.00	7109.27	930.7	7011.67	2370.43 N 2152.26 E	3201.74	N 42 14 E
8050.00	7117.30	932.7	7019.70	2373.98 N 2157.06 E	3207.59	N 42 16 E
8060.00	7125.33	934.7	7027.73	2377.53 N 2161.85 E	3213.45	N 42 17 E
8070.00	7133.35	936.6	7035.75	2381.07 N 2166.65 E	3219.30	N 42 18 E
8080.00	7141.38	938.6	7043.78	2384.62 N 2171.44 E	3225.15	N 42 19 E
8090.00	7149.40	940.6	7051.80	2388.17 N 2176.24 E	3231.00	N 42 21 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
8100.00	7157.43	942.6	7059.83	2391.72 N 2181.03 E	3236.85	N 42 22 E
8110.00	7165.45	944.5	7067.85	2395.27 N 2185.83 E	3242.71	N 42 23 E
8120.00	7173.48	946.5	7075.88	2398.82 N 2190.62 E	3248.56	N 42 24 E
8130.00	7181.50	948.5	7083.90	2402.36 N 2195.42 E	3254.42	N 42 25 E
8140.00	7189.53	950.5	7091.93	2405.91 N 2200.22 E	3260.27	N 42 27 E
8150.00	7197.55	952.4	7099.95	2409.46 N 2205.01 E	3266.13	N 42 28 E
8160.00	7205.71	954.3	7108.11	2412.84 N 2209.71 E	3271.78	N 42 29 E
8170.00	7213.90	956.1	7116.30	2416.17 N 2214.37 E	3277.39	N 42 30 E
8180.00	7222.09	957.9	7124.49	2419.50 N 2219.04 E	3283.00	N 42 32 E
8190.00	7230.29	959.7	7132.69	2422.83 N 2223.71 E	3288.62	N 42 33 E
8200.00	7238.48	961.5	7140.88	2426.16 N 2228.38 E	3294.23	N 42 34 E
8210.00	7246.67	963.3	[illegible]	[illegible] N 2233.05 E	3299.84	N 42 35 E
8220.00	7254.86	965.1	[illegible]	[illegible]	3305.45	N 42 36 E
8230.00	7263.05	967.0	7165.45	2436.15 N 2242.39 E	3311.06	N 42 38 E
8240.00	7271.24	968.8	[illegible]	[illegible] N [illegible] E	3316.68	N 42 39 E
8250.00	7279.43	970.6	7181.83	[illegible] N 2251.73 E	3322.29	N 42 40 E
8260.00	7287.62	972.4	7190.02	2446.14 N 2256.40 E	3327.90	N 42 41 E
8270.00	7295.81	974.2	7198.21	2449.47 N 2261.07 E	3333.52	N 42 43 E
8280.00	7304.00	976.0	7206.40	2452.80 N 2265.74 E	3339.13	N 42 44 E
8290.00	7312.20	977.8	7214.60	2456.13 N 2270.41 E	3344.75	N 42 45 E
8300.00	7320.39	979.6	7222.79	2459.46 N 2275.07 E	3350.36	N 42 46 E
8310.00	7328.58	981.4	7230.98	2462.79 N 2279.74 E	3355.98	N 42 47 E
8320.00	7336.77	983.2	7239.17	2466.12 N 2284.41 E	3361.59	N 42 49 E
8330.00	7344.96	985.0	7247.36	2469.46 N 2289.08 E	3367.21	N 42 50 E
8340.00	7353.15	986.8	7255.55	2472.79 N 2293.75 E	3372.83	N 42 51 E
8350.00	7361.34	988.7	7263.74	2476.12 N 2298.42 E	3378.44	N 42 52 E
8360.00	7369.53	990.5	7271.93	2479.45 N 2303.09 E	3384.06	N 42 53 E
8370.00	7377.73	992.3	7280.13	2482.78 N 2307.76 E	3389.68	N 42 54 E
8380.00	7385.92	994.1	7288.32	2486.11 N 2312.43 E	3395.30	N 42 56 E
8390.00	7394.11	995.9	7296.51	2489.44 N 2317.10 E	3400.92	N 42 57 E

Eastman Whipstock
A PRODUCT OF COMPUTAL
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF-FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
8400.00	7402.30	997.7	7304.70	2492.77 N 2321.77 E	3406.54	N 42 58 E
8410.00	7410.49	999.5	7312.89	2496.10 N 2326.44 E	3412.16	N 42 59 E
8420.00	7418.68	1001.3	7321.08	2499.43 N 2331.11 E	3417.78	N 43 0 E
8430.00	7426.87	1003.1	7329.27	2502.76 N 2335.77 E	3423.40	N 43 1 E
8440.00	7435.06	1004.9	7337.46	2506.09 N 2340.44 E	3429.02	N 43 3 E
8450.00	7443.25	1006.7	7345.65	2509.42 N 2345.11 E	3434.64	N 43 4 E
8460.00	7451.44	1008.6	7353.84	2512.75 N 2349.78 E	3440.26	N 43 5 E
8470.00	7459.71	1010.3	7362.11	2515.98 N 2354.39 E	3445.77	N 43 6 E
8480.00	7468.05	1012.0	7370.45	2519.11 N 2358.94 E	3451.16	N 43 7 E
8490.00	7476.39	1013.6	7378.79	2522.23 N 2363.49 E	3456.55	N 43 8 E
8500.00	7484.73	1015.3	7387.13	2525.36 N 2368.04 E	3461.94	N 43 10 E
8510.00	7493.06	1016.9	[illegible]	2528.49 N 2372.59 E	3467.33	N 43 11 E
8520.00	7501.40	1018.6	[illegible]	2531.6[illegible] N 2377.13 E	3472.73	N 43 12 E
8530.00	7509.74	1020.3	[illegible]	2534.74 N 2381.68 E	3478.12	N 43 13 E
8540.00	7518.08	1021.9	[illegible]	[illegible] N 2386.2[illegible] E	3483.51	N 43 14 E
8550.00	7526.42	1023.6	7428.82	2540.99 N 2390.78 E	3488.91	N 43 15 E
8560.00	7534.76	1025.2	7437.16	2544.12 N 2395.33 E	3494.30	N 43 16 E
8570.00	7543.10	1026.9	7445.50	2547.24 N 2399.88 E	3499.69	N 43 18 E
8580.00	7551.44	1028.6	7453.84	2550.37 N 2404.43 E	3505.09	N 43 19 E
8590.00	7559.77	1030.2	7462.17	2553.49 N 2408.97 E	3510.48	N 43 20 E
8600.00	7568.11	1031.9	7470.51	2556.62 N 2413.52 E	3515.88	N 43 21 E
8610.00	7576.45	1033.5	7478.85	2559.75 N 2418.07 E	3521.27	N 43 22 E
8620.00	7584.79	1035.2	7487.19	2562.87 N 2422.62 E	3526.67	N 43 23 E
8630.00	7593.13	1036.9	7495.53	2566.00 N 2427.17 E	3532.07	N 43 24 E
8640.00	7601.47	1038.5	7503.87	2569.12 N 2431.72 E	3537.46	N 43 26 E
8650.00	7609.81	1040.2	7512.21	2572.25 N 2436.27 E	3542.86	N 43 27 E
8660.00	7618.15	1041.9	7520.55	2575.38 N 2440.82 E	3548.26	N 43 28 E
8670.00	7626.49	1043.5	7528.89	2578.50 N 2445.36 E	3553.66	N 43 29 E
8680.00	7634.82	1045.2	7537.22	2581.63 N 2449.91 E	3559.06	N 43 30 E
8690.00	7643.16	1046.8	7545.56	2584.76 N 2454.46 E	3564.45	N 43 31 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
8700.00	7651.50	1048.5	7553.90	2587.88 N 2459.01 E	3569.85	N 43 32 E
8710.00	7659.84	1050.2	7562.24	2591.01 N 2463.56 E	3575.25	N 43 33 E
8720.00	7668.28	1051.7	7570.68	2593.97 N 2468.03 E	3580.48	N 43 35 E
8730.00	7676.76	1053.2	7579.16	2596.85 N 2472.48 E	3585.64	N 43 36 E
8740.00	7685.24	1054.8	7587.64	2599.74 N 2476.92 E	3590.79	N 43 37 E
8750.00	7693.72	1056.3	7596.12	2602.62 N 2481.36 E	3595.94	N 43 38 E
8760.00	7702.20	1057.8	7604.60	2605.51 N 2485.81 E	3601.10	N 43 39 E
8770.00	7710.68	1059.3	7613.08	2608.40 N 2490.25 E	3606.26	N 43 40 E
8780.00	7719.16	1060.8	7621.56	2611.28 N 2494.70 E	3611.41	N 43 42 E
8790.00	7727.64	1062.4	7630.04	2614.17 N 2499.14 E	3616.57	N 43 43 E
8800.00	7736.12	1063.9	7638.52	2617.05 N 2503.58 E	3621.73	N 43 44 E
8810.00	7744.60	1065.4	[illegible]	[illegible] N 2508.03 E	3626.88	N 43 45 E
8820.00	7753.08	1066.9	[illegible]	2622.82 N [illegible] E	3632.04	N 43 46 E
8830.00	7761.56	1068.4	7663.96	2625.71 N 2516.92 E	3637.20	N 43 47 E
8840.00	7770.04	1070.0	[illegible]	[illegible]	3642.36	N 43 48 E
8850.00	7778.52	1071.5	7680.92	2631.48 N 2525.80 E	3647.52	N 43 50 E
8860.00	7787.00	1073.0	7689.40	2634.37 N 2530.25 E	3652.68	N 43 51 E
8870.00	7795.48	1074.5	7697.88	2637.25 N 2534.69 E	3657.84	N 43 52 E
8880.00	7803.96	1076.0	7706.36	2640.14 N 2539.13 E	3663.00	N 43 53 E
8890.00	7812.44	1077.6	7714.84	2643.03 N 2543.58 E	3668.16	N 43 54 E
8900.00	7820.92	1079.1	7723.32	2645.91 N 2548.02 E	3673.32	N 43 55 E
8910.00	7829.40	1080.6	7731.80	2648.80 N 2552.47 E	3678.48	N 43 56 E
8920.00	7837.88	1082.1	7740.28	2651.68 N 2556.91 E	3683.64	N 43 57 E
8930.00	7846.36	1083.6	7748.76	2654.57 N 2561.35 E	3688.80	N 43 59 E
8940.00	7854.84	1085.2	7757.24	2657.45 N 2565.80 E	3693.97	N 44 0 E
8950.00	7863.32	1086.7	7765.72	2660.34 N 2570.24 E	3699.13	N 44 1 E
8960.00	7871.80	1088.2	7774.20	2663.23 N 2574.69 E	3704.29	N 44 2 E
8970.00	7880.28	1089.7	7782.68	2666.11 N 2579.13 E	3709.46	N 44 3 E
8980.00	7888.76	1091.2	7791.16	2669.00 N 2583.57 E	3714.62	N 44 4 E
8990.00	7897.24	1092.8	7799.64	2671.88 N 2588.02 E	3719.78	N 44 5 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
9000.00	7905.72	1094.3	7808.12	2674.77 N 2592.46 E	3724.95	N 44 6 E
9010.00	7914.20	1095.8	7816.60	2677.66 N 2596.90 E	3730.11	N 44 7 E
9020.00	7922.68	1097.3	7825.08	2680.54 N 2601.35 E	3735.28	N 44 8 E
9030.00	7931.16	1098.8	7833.56	2683.43 N 2605.79 E	3740.45	N 44 10 E
9040.00	7939.79	1100.2	7842.19	2686.07 N 2610.10 E	3745.34	N 44 11 E
9050.00	7948.41	1101.6	7850.81	2688.71 N 2614.41 E	3750.24	N 44 12 E
9060.00	7957.04	1103.0	7859.44	2691.35 N 2618.73 E	3755.14	N 44 13 E
9070.00	7965.67	1104.3	7868.07	2694.00 N 2623.04 E	3760.04	N 44 14 E
9080.00	7974.29	1105.7	7876.69	2696.64 N 2627.35 E	3764.95	N 44 15 E
9090.00	7982.92	1107.1	7885.32	2699.28 N 2631.66 E	3769.85	N 44 16 E
9100.00	7991.55	1108.5	7893.95	2701.92 N 2635.97 E	3774.75	N 44 18 E
9110.00	8000.18	1109.8	[illegible]	[illegible].56 N 2640.28 E	3779.65	N 44 19 E
9120.00	8008.80	1111.2	[illegible]	[illegible]	3784.55	N 44 20 E
9130.00	8017.43	1112.6	7919.87	2709.85 N 2648.90 E	3789.45	N 44 21 E
9140.00	8026.06	1113.9	[illegible]	[illegible]	3794.36	N 44 22 E
9150.00	8034.69	1115.3	7937.08	[illegible] 2657.53 E	3799.26	N 44 23 E
9160.00	8043.31	1116.7	7945.71	2717.77 N 2661.84 E	3804.17	N 44 24 E
9170.00	8051.94	1118.1	7954.34	2720.42 N 2666.15 E	3809.07	N 44 25 E
9180.00	8060.57	1119.4	7962.97	2723.06 N 2670.46 E	3813.97	N 44 26 E
9190.00	8069.19	1120.8	7971.59	2725.70 N 2674.77 E	3818.88	N 44 28 E
9200.00	8077.82	1122.2	7980.22	2728.34 N 2679.08 E	3823.79	N 44 29 E
9210.00	8086.45	1123.6	7988.85	2730.98 N 2683.39 E	3828.69	N 44 30 E
9220.00	8095.08	1124.9	7997.48	2733.62 N 2687.71 E	3833.60	N 44 31 E
9230.00	8103.70	1126.3	8006.10	2736.27 N 2692.02 E	3838.50	N 44 32 E
9240.00	8112.33	1127.7	8014.73	2738.91 N 2696.33 E	3843.41	N 44 33 E
9250.00	8120.96	1129.0	8023.36	2741.55 N 2700.64 E	3848.32	N 44 34 E
9260.00	8129.58	1130.4	8031.98	2744.19 N 2704.95 E	3853.23	N 44 35 E
9270.00	8138.21	1131.8	8040.61	2746.83 N 2709.26 E	3858.13	N 44 36 E
9280.00	8146.84	1133.2	8049.24	2749.48 N 2713.57 E	3863.04	N 44 37 E
9290.00	8155.47	1134.5	8057.87	2752.12 N 2717.89 E	3867.95	N 44 38 E

Eastman Whipstock

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
9300.00	8164.09	1135.9	8066.49	2754.76 N 2722.20 E	3872.86	N 44 40 E
9310.00	8172.72	1137.3	8075.12	2757.40 N 2726.51 E	3877.77	N 44 41 E
9320.00	8181.35	1138.7	8083.75	2760.04 N 2730.82 E	3882.68	N 44 42 E
9330.00	8189.97	1140.0	8092.37	2762.69 N 2735.13 E	3887.59	N 44 43 E
9340.00	8198.60	1141.4	8101.00	2765.33 N 2739.44 E	3892.50	N 44 44 E
9350.00	8207.23	1142.8	8109.63	2767.97 N 2743.75 E	3897.41	N 44 45 E
9360.00	8215.90	1144.1	8118.30	2770.51 N 2748.05 E	3902.24	N 44 46 E
9370.00	8224.59	1145.4	8126.99	2772.98 N 2752.33 E	3907.01	N 44 47 E
9380.00	8233.28	1146.7	8135.68	2775.45 N 2756.61 E	3911.78	N 44 48 E
9390.00	8241.97	1148.0	8144.37	2777.92 N 2760.89 E	3916.55	N 44 49 E
9400.00	8250.67	1149.3	8153.07	2780.40 N 2765.17 E	3921.32	N 44 51 E
9410.00	8259.36	1150.6	[illegible]	[illegible] N 2769.45 E	3926.09	N 44 52 E
9420.00	8268.05	1151.9	[illegible]	[illegible]	3930.86	N 44 53 E
9430.00	8276.74	1153.3	8179.44	2787.81 N 2778.01 E	3935.64	N 44 54 E
9440.00	8285.44	1154.6	[illegible]	[illegible]	3940.41	N 44 55 E
9450.00	8294.13	1155.9	8196.53	2790.24 N 2782.29 E	3945.18	N 44 56 E
9460.00	8302.82	1157.2	8205.22	2795.22 N 2790.85 E	3949.95	N 44 57 E
9470.00	8311.52	1158.5	8213.92	2797.70 N 2795.13 E	3954.73	N 44 58 E
9480.00	8320.21	1159.8	8222.61	2800.17 N 2799.41 E	3959.50	N 45 0 E
9490.00	8328.90	1161.1	8231.30	2802.64 N 2803.69 E	3964.27	N 45 1 E
9500.00	8337.59	1162.4	8239.99	2805.11 N 2807.97 E	3969.05	N 45 2 E
9510.00	8346.29	1163.7	8248.69	2807.58 N 2812.25 E	3973.83	N 45 3 E
9520.00	8354.98	1165.0	8257.38	2810.05 N 2816.53 E	3978.60	N 45 4 E
9530.00	8363.67	1166.3	8266.07	2812.52 N 2820.82 E	3983.38	N 45 5 E
9540.00	8372.37	1167.6	8274.77	2815.00 N 2825.10 E	3988.15	N 45 6 E
9550.00	8381.06	1168.9	8283.46	2817.47 N 2829.38 E	3992.93	N 45 7 E
9560.00	8389.75	1170.3	8292.15	2819.94 N 2833.66 E	3997.71	N 45 8 E
9570.00	8398.44	1171.6	8300.84	2822.41 N 2837.94 E	4002.49	N 45 9 E
9580.00	8407.14	1172.9	8309.54	2824.88 N 2842.22 E	4007.26	N 45 11 E
9590.00	8415.83	1174.2	8318.23	2827.35 N 2846.50 E	4012.04	N 45 12 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
9600.00	8424.52	1175.5	8326.92	2829.82 N 2850.78 E	4016.82	N 45 13 E
9610.00	8433.21	1176.8	8335.61	2832.29 N 2855.06 E	4021.60	N 45 14 E
9620.00	8441.91	1178.1	8344.31	2834.77 N 2859.34 E	4026.38	N 45 15 E
9630.00	8450.60	1179.4	8353.00	2837.24 N 2863.62 E	4031.16	N 45 16 E
9640.00	8459.29	1180.7	8361.69	2839.71 N 2867.90 E	4035.94	N 45 17 E
9650.00	8467.99	1182.0	8370.39	2842.18 N 2872.18 E	4040.72	N 45 18 E
9660.00	8476.68	1183.3	8379.08	2844.65 N 2876.46 E	4045.50	N 45 19 E
9670.00	8485.32	1184.7	8387.72	2847.15 N 2880.83 E	4050.37	N 45 20 E
9680.00	8493.88	1186.1	8396.28	2849.70 N 2885.33 E	4055.35	N 45 21 E
9690.00	8502.44	1187.6	8404.84	2852.24 N 2889.83 E	4060.34	N 45 23 E
9700.00	8511.00	1189.0	8413.40	2854.79 N 2894.33 E	4065.33	N 45 24 E
9710.00	8519.55	1190.4	[illegible]	[illegible] N 2898.82 E	4070.32	N 45 25 E
9720.00	8528.11	1191.9	[illegible]	[illegible]	4075.31	N 45 26 E
9730.00	8536.67	1193.3	8439.07	2862.42 N 2907.82 E	4080.30	N 45 27 E
9740.00	8545.23	1194.8	[illegible]	[illegible]	4085.30	N 45 28 E
9750.00	8553.79	1196.2	8456.19	2867.51 N 2916.82 E	4090.29	N 45 29 E
9760.00	8562.35	1197.6	8464.75	2870.06 N 2921.31 E	4095.28	N 45 30 E
9770.00	8570.91	1199.1	8473.31	2872.60 N 2925.81 E	4100.27	N 45 32 E
9780.00	8579.47	1200.5	8481.87	2875.15 N 2930.31 E	4105.26	N 45 33 E
9790.00	8588.03	1202.0	8490.43	2877.69 N 2934.81 E	4110.26	N 45 34 E
9800.00	8596.59	1203.4	8498.99	2880.24 N 2939.31 E	4115.25	N 45 35 E
9810.00	8605.15	1204.9	8507.55	2882.78 N 2943.81 E	4120.25	N 45 36 E
9820.00	8613.71	1206.3	8516.11	2885.33 N 2948.30 E	4125.24	N 45 37 E
9830.00	8622.27	1207.7	8524.67	2887.87 N 2952.80 E	4130.24	N 45 38 E
9840.00	8630.83	1209.2	8533.23	2890.42 N 2957.30 E	4135.23	N 45 39 E
9850.00	8639.38	1210.6	8541.79	2892.96 N 2961.80 E	4140.23	N 45 40 E
9860.00	8647.94	1212.1	8550.34	2895.51 N 2966.30 E	4145.22	N 45 42 E
9870.00	8656.50	1213.5	8558.90	2898.05 N 2970.80 E	4150.22	N 45 43 E
9880.00	8665.06	1214.9	8567.46	2900.60 N 2975.29 E	4155.22	N 45 44 E
9890.00	8673.62	1216.4	8576.02	2903.14 N 2979.79 E	4160.22	N 45 45 E

Eastman Whipstock

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
9900.00	8682.18	1217.8	8584.58	2905.69 N 2984.29 E	4165.21	N 45 46 E
9910.00	8690.74	1219.3	8593.14	2908.23 N 2988.79 E	4170.21	N 45 47 E
9920.00	8699.30	1220.7	8601.70	2910.78 N 2993.29 E	4175.21	N 45 48 E
9930.00	8707.86	1222.1	8610.26	2913.32 N 2997.78 E	4180.21	N 45 49 E
9940.00	8716.42	1223.6	8618.82	2915.87 N 3002.28 E	4185.21	N 45 50 E
9950.00	8724.98	1225.0	8627.38	2918.41 N 3006.78 E	4190.21	N 45 51 E
9960.00	8733.54	1226.5	8635.94	2920.96 N 3011.28 E	4195.21	N 45 52 E
9970.00	8742.10	1227.9	8644.50	2923.50 N 3015.78 E	4200.21	N 45 53 E
9980.00	8750.36	1229.6	8652.76	2926.36 N 3020.63 E	4205.68	N 45 54 E
9990.00	8758.63	1231.4	8661.03	2929.21 N 3025.47 E	4211.15	N 45 56 E
10000.00	8766.89	1233.1	8669.29	2932.07 N 3030.32 E	4216.62	N 45 57 E
10010.00	8775.16	1234.8	[illegible]	2934.93 N 3035.17 E	4222.09	N 45 58 E
10020.00	8783.42	1236.6	8685.82	2937.78 N 3040.02 E	4227.56	N 45 59 E
10030.00	8791.69	1238.3	8694.09	2940.64 N 3044.87 E	4233.04	N 46 0 E
10040.00	8799.95	1240.0	[illegible]	2943.49 N 3049.72 E	4238.51	N 46 1 E
10050.00	8808.21	1241.8	8710.62	2946.35 N 3054.57 E	4243.98	N 46 2 E
10060.00	8816.48	1243.5	8718.88	2949.21 N 3059.42 E	4249.45	N 46 3 E
10070.00	8824.75	1245.3	8727.15	2952.06 N 3064.26 E	4254.93	N 46 4 E
10080.00	8833.01	1247.0	8735.41	2954.92 N 3069.11 E	4260.40	N 46 5 E
10090.00	8841.28	1248.7	8743.68	2957.78 N 3073.96 E	4265.87	N 46 6 E
10100.00	8849.54	1250.5	8751.94	2960.63 N 3078.81 E	4271.35	N 46 7 E
10110.00	8857.80	1252.2	8760.21	2963.49 N 3083.66 E	4276.82	N 46 8 E
10120.00	8866.07	1253.9	8768.47	2966.34 N 3088.51 E	4282.30	N 46 9 E
10130.00	8874.33	1255.7	8776.74	2969.20 N 3093.36 E	4287.77	N 46 10 E
10140.00	8882.60	1257.4	8785.00	2972.06 N 3098.21 E	4293.25	N 46 11 E
10150.00	8890.86	1259.1	8793.26	2974.91 N 3103.05 E	4298.73	N 46 12 E
10160.00	8899.13	1260.9	8801.53	2977.77 N 3107.90 E	4304.20	N 46 14 E
10170.00	8907.39	1262.6	8809.79	2980.62 N 3112.75 E	4309.68	N 46 15 E
10180.00	8915.66	1264.3	8818.06	2983.48 N 3117.60 E	4315.16	N 46 16 E
10190.00	8923.92	1266.1	8826.33	2986.34 N 3122.45 E	4320.64	N 46 17 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
10200.00	8932.19	1267.8	8834.59	2989.19 N 3127.30 E	4326.11	N 46 18 E
10210.00	8940.38	1269.6	8842.78	2992.10 N 3132.24 E	4331.70	N 46 19 E
10220.00	8948.57	1271.4	8850.97	2995.01 N 3137.18 E	4337.28	N 46 20 E
10230.00	8956.76	1273.2	8859.16	2997.93 N 3142.12 E	4342.87	N 46 21 E
10240.00	8964.96	1275.0	8867.36	3000.84 N 3147.07 E	4348.45	N 46 22 E
10250.00	8973.15	1276.9	8875.55	3003.75 N 3152.01 E	4354.04	N 46 23 E
10260.00	8981.34	1278.7	8883.74	3006.66 N 3156.95 E	4359.62	N 46 24 E
10270.00	8989.53	1280.5	8891.93	3009.57 N 3161.89 E	4365.21	N 46 25 E
10280.00	8997.72	1282.3	8900.12	3012.48 N 3166.83 E	4370.80	N 46 26 E
10290.00	9005.91	1284.1	8908.31	3015.39 N 3171.78 E	4376.39	N 46 27 E
10300.00	9014.10	1285.9	8916.50	3018.30 N 3176.72 E	4381.97	N 46 28 E
10310.00	9022.29	1287.7	[illegible]	3021.21 N 3181.66 E	4387.56	N 46 29 E
10320.00	9030.49	1289.5	[illegible]	[illegible]	4393.15	N 46 30 E
10330.00	9038.68	1291.3	8941.08	3027.04 N 3191.54 E	4398.74	N 46 31 E
10340.00	9046.87	1293.1	[illegible]	[illegible]	4404.33	N 46 32 E
10350.00	9055.06	1294.9	8957.46	3032.86 N 3201.43 E	4409.92	N 46 33 E
10360.00	9063.25	1296.8	8965.65	3035.77 N 3206.37 E	4415.51	N 46 34 E
10370.00	9071.44	1298.6	8973.84	3038.68 N 3211.31 E	4421.10	N 46 35 E
10380.00	9079.63	1300.4	8982.03	3041.59 N 3216.25 E	4426.69	N 46 36 E
10390.00	9087.82	1302.2	8990.22	3044.50 N 3221.20 E	4432.28	N 46 37 E
10400.00	9096.02	1304.0	8998.42	3047.41 N 3226.14 E	4437.87	N 46 38 E
10410.00	9104.21	1305.8	9006.61	3050.32 N 3231.08 E	4443.46	N 46 39 E
10420.00	9112.40	1307.6	9014.80	3053.23 N 3236.02 E	4449.05	N 46 40 E
10430.00	9120.59	1309.4	9022.99	3056.15 N 3240.96 E	4454.65	N 46 41 E
10440.00	9128.78	1311.2	9031.18	3059.06 N 3245.90 E	4460.24	N 46 42 E
10450.00	9136.97	1313.0	9039.37	3061.97 N 3250.85 E	4465.83	N 46 43 E
10460.00	9145.16	1314.8	9047.58	3064.85 N 3255.77 E	4471.39	N 46 44 E
10470.00	9153.36	1316.4	9055.98	3067.44 N 3260.54 E	4476.64	N 46 45 E
10480.00	9161.98	1318.0	9064.38	3070.03 N 3265.31 E	4481.89	N 46 46 E
10490.00	9170.38	1319.6	9072.78	3072.61 N 3270.08 E	4487.13	N 46 47 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
10500.00	9178.77	1321.2	9081.17	3075.20 N 3274.85 E	4492.38	N 46 48 E
10510.00	9187.17	1322.8	9089.57	3077.79 N 3279.62 E	4497.63	N 46 49 E
10520.00	9195.57	1324.4	9097.97	3080.38 N 3284.39 E	4502.88	N 46 50 E
10530.00	9203.97	1326.0	9106.37	3082.97 N 3289.16 E	4508.13	N 46 51 E
10540.00	9212.37	1327.6	9114.77	3085.56 N 3293.93 E	4513.38	N 46 52 E
10550.00	9220.76	1329.2	9123.16	3088.15 N 3298.70 E	4518.64	N 46 53 E
10560.00	9229.16	1330.8	9131.56	3090.74 N 3303.46 E	4523.89	N 46 54 E
10570.00	9237.56	1332.4	9139.96	3093.33 N 3308.23 E	4529.14	N 46 55 E
10580.00	9245.96	1334.0	9148.36	3095.92 N 3313.00 E	4534.39	N 46 56 E
10590.00	9254.35	1335.6	9156.75	3098.51 N 3317.77 E	4539.65	N 46 57 E
10600.00	9262.75	1337.2	9165.15	3101.10 N 3322.54 E	4544.90	N 46 58 E
10610.00	9271.15	1338.9	[illegible]	[illegible] N 3327.31 E	4550.15	N 46 59 E
10620.00	9279.55	1340.5	[illegible]	[illegible] N 3332.08 E	4555.41	N 47 1 E
10630.00	9287.95	1342.1	9190.45	3108.87 N 3336.85 E	4560.66	N 47 2 E
10640.00	9296.34	[illegible]	[illegible]	[illegible] N 3341.62 E	4565.92	N 47 3 E
10650.00	9304.74	1345.3	9207.14	3114.46 N 3346.39 E	4571.17	N 47 4 E
10660.00	9313.14	1346.9	9215.54	3116.64 N 3351.16 E	4576.43	N 47 5 E
10670.00	9321.54	1348.5	9223.94	3119.23 N 3355.93 E	4581.68	N 47 6 E
10680.00	9329.93	1350.1	9232.33	3121.82 N 3360.70 E	4586.94	N 47 7 E
10690.00	9338.33	1351.7	9240.73	3124.40 N 3365.47 E	4592.20	N 47 8 E
10700.00	9346.73	1353.3	9249.13	3126.99 N 3370.23 E	4597.45	N 47 9 E
10710.00	9355.13	1354.9	9257.53	3129.58 N 3375.00 E	4602.71	N 47 10 E
10720.00	9363.53	1356.5	9265.93	3132.17 N 3379.77 E	4607.97	N 47 11 E
10730.00	9371.92	1358.1	9274.32	3134.76 N 3384.54 E	4613.23	N 47 12 E
10740.00	9380.32	1359.7	9282.72	3137.35 N 3389.31 E	4618.49	N 47 13 E
10750.00	9388.72	1361.3	9291.12	3139.94 N 3394.08 E	4623.75	N 47 14 E
10760.00	9397.12	1362.9	9299.52	3142.53 N 3398.85 E	4629.00	N 47 15 E
10770.00	9405.51	1364.5	9307.91	3145.12 N 3403.62 E	4634.26	N 47 16 E
10780.00	9414.03	1366.0	9316.43	3147.40 N 3408.33 E	4639.27	N 47 17 E
10790.00	9422.62	1367.4	9325.02	3149.48 N 3413.00 E	4644.11	N 47 18 E

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10800.00	9431.22	1368.8	9333.62	3151.56 N 3417.67 E	4648.95	N 47 19 E
10810.00	9439.81	1370.2	9342.21	3153.64 N 3422.33 E	4653.80	N 47 20 E
10820.00	9448.40	1371.6	9350.80	3155.72 N 3427.00 E	4658.64	N 47 22 E
10830.00	9457.00	1373.0	9359.40	3157.80 N 3431.67 E	4663.48	N 47 23 E
10840.00	9465.59	1374.4	9367.99	3159.88 N 3436.34 E	4668.32	N 47 24 E
10850.00	9474.19	1375.8	9376.59	3161.95 N 3441.01 E	4673.17	N 47 25 E
10860.00	9482.78	1377.2	9385.18	3164.03 N 3445.68 E	4678.01	N 47 26 E
10870.00	9491.37	1378.6	9393.77	3166.11 N 3450.35 E	4682.86	N 47 28 E
10880.00	9499.97	1380.0	9402.37	3168.19 N 3455.01 E	4687.70	N 47 29 E
10890.00	9508.56	1381.4	9410.96	3170.27 N 3459.68 E	4692.55	N 47 30 E
10900.00	9517.16	1382.8	9419.56	3172.35 N 3464.35 E	4697.40	N 47 31 E
10910.00	9525.75	1384.3	[illegible]	[illegible].43 N 3469.02 E	4702.24	N 47 32 E
10920.00	9534.34	1385.7	[illegible]	[illegible]	4707.09	N 47 34 E
10930.00	9542.94	1387.1	9445.34	3178.58 N 3478.36 E	4711.94	N 47 35 E
10940.00	9551.53	1388.5	[illegible]	[illegible]	4716.79	N 47 36 E
10950.00	9560.12	1389.9	9462.52	3182.74 N 3487.70 E	4721.64	N 47 37 E
10960.00	9568.72	1391.3	9471.12	3184.82 N 3492.36 E	4726.49	N 47 38 E
10970.00	9577.31	1392.7	9479.71	3186.90 N 3497.03 E	4731.34	N 47 39 E
10980.00	9585.91	1394.1	9488.31	3188.98 N 3501.70 E	4736.19	N 47 41 E
10990.00	9594.50	1395.5	9496.90	3191.05 N 3506.37 E	4741.04	N 47 42 E
11000.00	9603.09	1396.9	9505.49	3193.13 N 3511.04 E	4745.89	N 47 43 E
11010.00	9611.69	1398.3	9514.09	3195.21 N 3515.71 E	4750.74	N 47 44 E
11020.00	9620.28	1399.7	9522.68	3197.29 N 3520.38 E	4755.60	N 47 45 E
11030.00	9628.88	1401.1	9531.28	3199.37 N 3525.04 E	4760.45	N 47 46 E
11040.00	9637.47	1402.5	9539.87	3201.45 N 3529.71 E	4765.31	N 47 48 E
11050.00	9646.06	1403.9	9548.46	3203.53 N 3534.38 E	4770.16	N 47 49 E
11060.00	9654.66	1405.3	9557.06	3205.60 N 3539.05 E	4775.02	N 47 50 E
11070.00	9663.25	1406.8	9565.65	3207.68 N 3543.72 E	4779.87	N 47 51 E
11080.00	9671.84	1408.2	9574.24	3209.76 N 3548.39 E	4784.73	N 47 52 E
11090.00	9680.50	1409.5	9582.90	3211.60 N 3553.03 E	4789.41	N 47 53 E

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11100.00	9689.28	1410.7	9591.68	3212.87 N 3557.62 E	4793.67	N 47 55 E
11110.00	9698.07	1411.9	9600.47	3214.15 N 3562.21 E	4797.93	N 47 56 E
11120.00	9706.86	1413.1	9609.26	3215.42 N 3566.80 E	4802.19	N 47 58 E
11130.00	9715.64	1414.4	9618.04	3216.69 N 3571.39 E	4806.45	N 47 59 E
11140.00	9724.43	1415.6	9626.83	3217.96 N 3575.98 E	4810.71	N 48 1 E
11150.00	9733.22	1416.8	9635.62	3219.24 N 3580.58 E	4814.98	N 48 3 E
11160.00	9742.01	1418.0	9644.41	3220.51 N 3585.17 E	4819.24	N 48 4 E
11170.00	9750.79	1419.2	9653.19	3221.78 N 3589.76 E	4823.51	N 48 6 E
11180.00	9759.58	1420.4	9661.98	3223.06 N 3594.35 E	4827.78	N 48 7 E
11190.00	9768.37	1421.6	9670.77	3224.33 N 3598.94 E	4832.04	N 48 9 E
11200.00	9777.15	1422.8	9679.55	3225.60 N 3603.53 E	4836.31	N 48 10 E
11210.00	9785.94	1424.1	[illegible]	[illegible] N 3608.12 E	4840.58	N 48 12 E
11220.00	9794.73	1425.3	[illegible]	[illegible]	4844.85	N 48 13 E
11230.00	9803.52	1426.5	9705.92	3229.42 N 3617.30 E	4849.13	N 48 15 E
11240.00	9812.30	1427.7	[illegible]	[illegible]	4853.40	N 48 16 E
11250.00	9821.09	1428.9	9723.49	3231.97 N 3626.48 E	4857.67	N 48 18 E
11260.00	9829.88	1430.1	9732.28	3233.24 N 3631.07 E	4861.95	N 48 19 E
11270.00	9838.66	1431.3	9741.06	3234.51 N 3635.66 E	4866.22	N 48 21 E
11280.00	9847.45	1432.5	9749.85	3235.79 N 3640.25 E	4870.50	N 48 22 E
11290.00	9856.24	1433.8	9758.64	3237.06 N 3644.84 E	4874.77	N 48 23 E
11300.00	9865.03	1435.0	9767.43	3238.33 N 3649.43 E	4879.05	N 48 25 E
11310.00	9873.81	1436.2	9776.21	3239.61 N 3654.02 E	4883.33	N 48 26 E
11320.00	9882.60	1437.4	9785.00	3240.88 N 3658.61 E	4887.61	N 48 28 E
11330.00	9891.39	1438.6	9793.79	3242.15 N 3663.20 E	4891.89	N 48 29 E
11340.00	9900.17	1439.8	9802.58	3243.43 N 3667.79 E	4896.17	N 48 31 E
11350.00	9908.96	1441.0	9811.36	3244.70 N 3672.38 E	4900.46	N 48 32 E
11360.00	9917.75	1442.3	9820.15	3245.97 N 3676.98 E	4904.74	N 48 34 E
11370.00	9926.54	1443.5	9828.94	3247.24 N 3681.57 E	4909.02	N 48 35 E
11380.00	9935.32	1444.7	9837.72	3248.52 N 3686.16 E	4913.31	N 48 37 E
11390.00	9944.11	1445.9	9846.51	3249.79 N 3690.75 E	4917.60	N 48 38 E

Eastman Whipstock
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
11400.00	9952.90	1447.1	9855.30	3251.06 N 3695.34 E	4921.88	N 48 40 E
11410.00	9961.68 9954	1448.3	9864.08	3252.34 N 3699.93 E	4926.17	N 48 41 E
11420.00	9970.47	1449.5	9872.87	3253.61 N 3704.52 E	4930.46	N 48 42 E
11430.00	9979.26	1450.7	9881.66	3254.88 N 3709.11 E	4934.75	N 48 44 E
11440.00	9988.05	1452.0	9890.45	3256.16 N 3713.70 E	4939.04	N 48 45 E
11450.00	9996.83	1453.2	9899.23	3257.43 N 3718.29 E	4943.33	N 48 47 E
11460.00	10005.62	1454.4	9908.02	3258.70 N 3722.88 E	4947.62	N 48 48 E
11470.00	10014.41	1455.6	9916.81	3259.98 N 3727.47 E	4951.92	N 48 50 E
11480.00	10023.19	1456.8	9925.59	3261.25 N 3732.06 E	4956.21	N 48 51 E
11490.00	10031.98	1458.0	9934.38	3262.52 N 3736.65 E	4960.50	N 48 53 E
11500.00	10040.77	1459.2	9943.17	3263.79 N 3741.24 E	4964.80	N 48 54 E
11510.00	10049.56	1460.4	[illegible]	[illegible] N 3745.83 E	4969.10	N 48 55 E
11520.00	10058.34	1461.7	[illegible]	[illegible]	4973.39	N 48 57 E
11530.00	10067.13	1462.9	[illegible]	3267.61 N 3755.01 E	4977.69	N 48 58 E
11540.00	10075.92	1464.1	[illegible]	[illegible]	4981.99	N 49 0 E
11550.00	10084.71	1465.3	9987.11	[illegible] N 3764.19 E	4986.29	N 49 1 E
11560.00	10093.49	1466.5	9995.89	3271.43 N 3768.78 E	4990.59	N 49 2 E
11570.00	10102.28	1467.7	10004.68	3272.71 N 3773.37 E	4994.89	N 49 4 E
11580.00	10111.07	1468.9	10013.47	3273.98 N 3777.97 E	4999.20	N 49 5 E
11590.00	10120.09	1469.9	10022.49	3274.54 N 3782.23 E	5002.79	N 49 7 E
11600.00	10129.12	1470.9	10031.52	3275.10 N 3786.50 E	5006.38	N 49 9 E
11610.00	10138.14	1471.9	10040.54	3275.66 N 3790.76 E	5009.98	N 49 10 E
11620.00	10147.17	1472.8	10049.57	3276.23 N 3795.03 E	5013.57	N 49 12 E
11630.00	10156.19	1473.8	10058.59	3276.79 N 3799.30 E	5017.17	N 49 13 E
11640.00	10165.22	1474.8	10067.62	3277.35 N 3803.56 E	5020.77	N 49 15 E
11650.00	10174.24	1475.8	10076.64	3277.91 N 3807.83 E	5024.37	N 49 17 E
11660.00	10183.26	1476.7	10085.67	3278.47 N 3812.10 E	5027.97	N 49 18 E
11670.00	10192.29	1477.7	10094.69	3279.03 N 3816.36 E	5031.57	N 49 20 E
11680.00	10201.31	1478.7	10103.71	3279.60 N 3820.63 E	5035.17	N 49 21 E
11690.00	10210.34	1479.7	10112.74	3280.16 N 3824.90 E	5038.78	N 49 23 E

Eastman Whipstock
A PARTNER COMPANY
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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
11700.00	10219.36	1480.6	10121.76	3280.72 N 3829.16 E	5042.38	N 49 25 E
11710.00	10228.39	1481.6	10130.79	3281.28 N 3833.43 E	5045.99	N 49 26 E
11720.00	10237.41	1482.6	10139.81	3281.84 N 3837.70 E	5049.59	N 49 28 E
11730.00	10246.65	1483.3	10149.05	3281.81 N 3841.52 E	5052.48	N 49 30 E
11740.00	10255.89	1484.1	10158.29	3281.78 N 3845.34 E	5055.36	N 49 31 E
11750.00	10265.13	1484.9	10167.53	3281.74 N 3849.16 E	5058.24	N 49 33 E
11760.00	10274.37	1485.6	10176.77	3281.71 N 3852.98 E	5061.13	N 49 35 E
11770.00	10283.60	1486.4	10186.00	3281.68 N 3856.80 E	5064.02	N 49 36 E
11780.00	10292.84	1487.2	10195.24	3281.64 N 3860.62 E	5066.91	N 49 38 E
11790.00	10302.08	1487.9	10204.48	3281.61 N 3864.44 E	5069.80	N 49 40 E
11800.00	10311.32	1488.7	10213.72	3281.58 N 3868.26 E	5072.69	N 49 41 E
11810.00	10320.55	1489.4	[illegible]	3281.54 N 3872.08 E	5075.58	N 49 43 E
11820.00	10329.79	1490.2	[illegible]	3281.51 N 3875.90 E	5078.47	N 49 45 E
11830.00	10339.03	1491.0	10244.03	3281.48 N 3879.72 E	5081.37	N 49 47 E
11840.00	10348.27	1491.7	[illegible]	[illegible]	5084.26	N 49 48 E
11850.00	10357.50	1492.5	10259.91	3281.41 N 3887.36 E	5087.16	N 49 50 E
11860.00	10366.74	1493.3	10269.14	3281.38 N 3891.18 E	5090.06	N 49 52 E
11870.00	10375.98	1494.0	10278.38	3281.34 N 3895.00 E	5092.96	N 49 53 E
11880.00	10385.22	1494.8	10287.62	3281.31 N 3898.82 E	5095.86	N 49 55 E
11890.00	10394.46	1495.5	10296.86	3281.28 N 3902.64 E	5098.76	N 49 57 E
11900.00	10403.69	1496.3	10306.09	3281.24 N 3906.46 E	5101.67	N 49 58 E
11910.00	10412.93	1497.1	10315.33	3281.21 N 3910.28 E	5104.57	N 50 0 E
11920.00	10422.17	1497.8	10324.57	3281.18 N 3914.10 E	5107.48	N 50 2 E
11930.00	10431.41	1498.6	10333.81	3281.14 N 3917.92 E	5110.38	N 50 3 E
11940.00	10440.64	1499.4	10343.04	3281.11 N 3921.74 E	5113.29	N 50 5 E
11950.00	10449.88	1500.1	10352.28	3281.08 N 3925.56 E	5116.20	N 50 7 E
11960.00	10459.12	1500.9	10361.52	3281.04 N 3929.38 E	5119.11	N 50 8 E
11970.00	10468.42	1501.6	10370.82	3280.70 N 3933.00 E	5121.67	N 50 10 E
11980.00	10477.82	1502.2	10380.22	3279.91 N 3936.32 E	5123.71	N 50 12 E
11990.00	10487.21	1502.8	10389.62	3279.11 N 3939.64 E	5125.75	N 50 14 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	CLOSURE DIRECTION D M
12000.00	10496.61	1503.4	10399.01	3278.32 N 3942.95 E	5127.79	N 50 16 E
12010.00	10506.01	1504.0	10408.41	3277.52 N 3946.27 E	5129.83	N 50 17 E
12020.00	10515.40	1504.6	10417.80	3276.72 N 3949.58 E	5131.87	N 50 19 E
12030.00	10524.80	1505.2	10427.20	3275.93 N 3952.90 E	5133.92	N 50 21 E
12040.00	10534.20	1505.8	10436.60	3275.13 N 3956.22 E	5135.96	N 50 23 E
12050.00	10543.59	1506.4	10445.99	3274.33 N 3959.53 E	5138.01	N 50 25 E
12060.00	10552.99	1507.0	10455.39	3273.54 N 3962.85 E	5140.06	N 50 26 E
12070.00	10562.39	1507.6	10464.79	3272.74 N 3966.16 E	5142.11	N 50 28 E
12080.00	10571.78	1508.2	10474.18	3271.95 N 3969.48 E	5144.16	N 50 30 E
12090.00	10581.18	1508.8	10483.58	3271.15 N 3972.80 E	5146.21	N 50 32 E
12100.00	10590.58	1509.4	10492.98	3270.35 N 3976.11 E	5148.27	N 50 34 E
12110.00	10599.97	1510.0	[illegible]	[illegible].56 N 3979.43 E	5150.33	N 50 36 E
12120.00	10609.37	1510.6	[illegible]	[illegible]	5152.38	N 50 37 E
12130.00	10618.76	1511.2	10621.17	3267.97 N 3986.06 E	5154.44	N 50 39 E
12140.00	10628.16	1511.8	[illegible]	[illegible]	5156.50	N 50 41 E
12150.00	10637.56	1512.4	10539.96	3266.37 N 3992.69 E	5158.56	N 50 43 E
12160.00	10646.95	1513.0	10549.35	3265.58 N 3996.01 E	5160.63	N 50 45 E
12170.00	10656.44	1513.6	10558.84	3264.37 N 3998.91 E	5162.11	N 50 46 E
12180.00	10665.95	1514.0	10568.35	3263.07 N 4001.71 E	5163.46	N 50 48 E
12190.00	10675.46	1514.5	10577.86	3261.76 N 4004.51 E	5164.80	N 50 50 E
12200.00	10684.97	1515.0	10587.37	3260.46 N 4007.30 E	5166.15	N 50 52 E
12210.00	10694.48	1515.5	10596.88	3259.16 N 4010.10 E	5167.50	N 50 54 E
12220.00	10703.99	1516.0	10606.39	3257.85 N 4012.90 E	5168.85	N 50 56 E
12230.00	10713.50	1516.5	10615.90	3256.55 N 4015.70 E	5170.20	N 50 58 E
12240.00	10723.01	1517.0	10625.41	3255.24 N 4018.50 E	5171.55	N 50 59 E
12250.00	10732.52	1517.5	10634.92	3253.94 N 4021.30 E	5172.90	N 51 1 E
12260.00	10742.03	1518.0	10644.43	3252.63 N 4024.09 E	5174.26	N 51 3 E
12270.00	10751.54	1518.5	10653.94	3251.33 N 4026.89 E	5175.61	N 51 5 E
12280.00	10761.05	1518.9	10663.45	3250.02 N 4029.69 E	5176.97	N 51 7 E
12290.00	10770.56	1519.4	10672.96	3248.72 N 4032.49 E	5178.33	N 51 9 E

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MEASURED DEPTH FEET	TRUE VERTICAL DEPTH FEET	MD-TVD DIFF FEET	SUBSEA VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	CLOSURE DISTANCE FEET	DIRECTION D M
12300.00	10780.07	1519.9	10682.47	3247.41 N 4035.29 E	5179.69	N 51 10 E
12310.00	10789.58	1520.4	10691.98	3246.11 N 4038.08 E	5181.06	N 51 12 E
12320.00	10799.09	1520.9	10701.49	3244.80 N 4040.88 E	5182.42	N 51 14 E
12330.00	10808.60	1521.4	10711.00	3243.50 N 4043.68 E	5183.79	N 51 16 E
12340.00	10818.13	1521.9	10720.53	3242.16 N 4046.41 E	5185.07	N 51 18 E
12350.00	10827.69	1522.3	10730.09	3240.74 N 4048.96 E	5186.18	N 51 20 E
12360.00	10837.25	1522.7	10739.66	3239.32 N 4051.52 E	5187.30	N 51 21 E

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