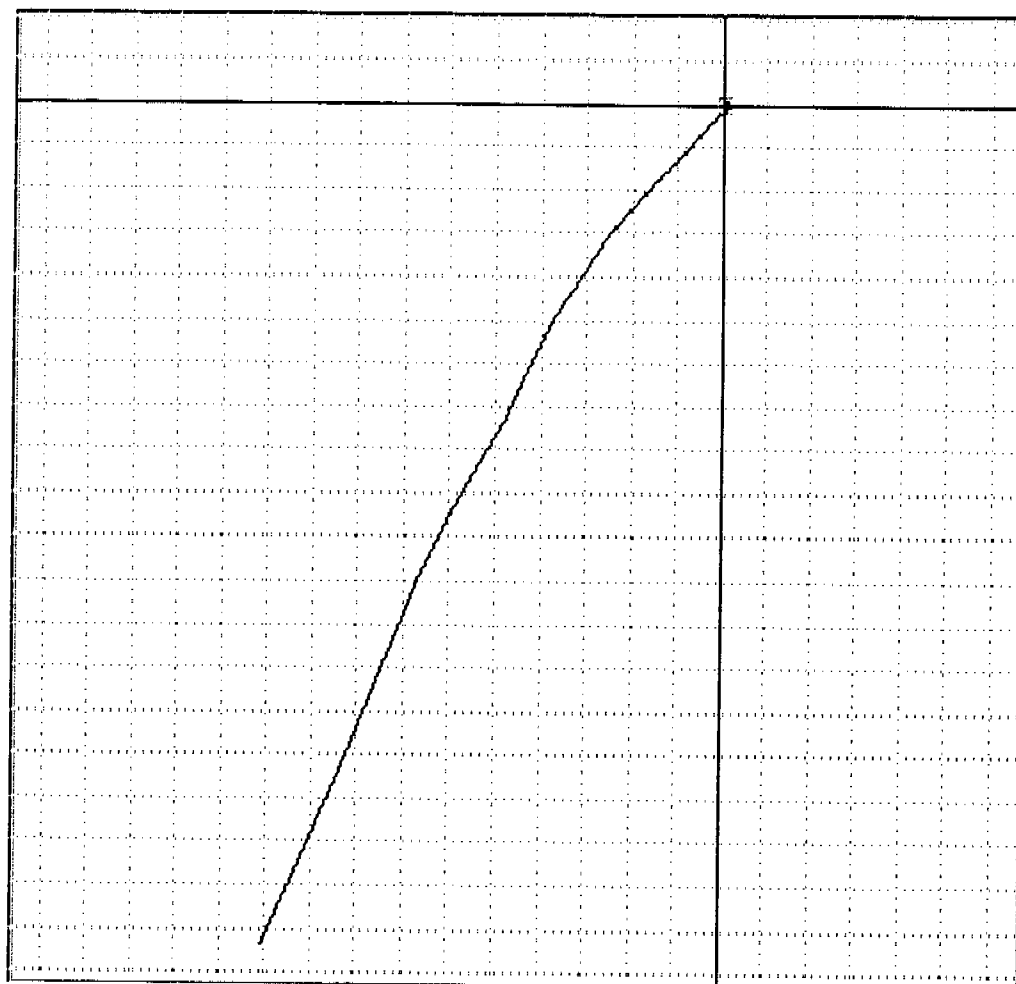


APPENDIX VIII: DIRECTIONAL SURVEY DATA

East Mereenie 36 was deliberately deviated updip (S-SW) to intersect the top of the targeted P3- 230/250 Sand at -701.0 metres TVD subsea. The horizontal distance to the target was prognosed as 477 metres. After logging at 1266 metres the top Horn Valley Siltstone was calculated to be 9.3 metres high to prognosis and the horizontal distance to the target revised to 436 metres. The P3- 230/250 Sand was intersected at -698.6 metres TVD subsea, 2.4 metres high to prognosis. The well was deviated from 700 metres in a S-SW direction reaching a maximum inclination of 46.7°. The final hole position based on FMS inclinometry data is 447.7 metres south and 201.9 metres west of the surface location.

Directional drilling and deviation control were provided by Hofco Oilfield Services.



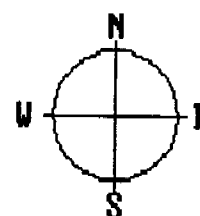
E. HERBERT 36
SINGLE SHOT

PLAN VIEW
20.0/Div.

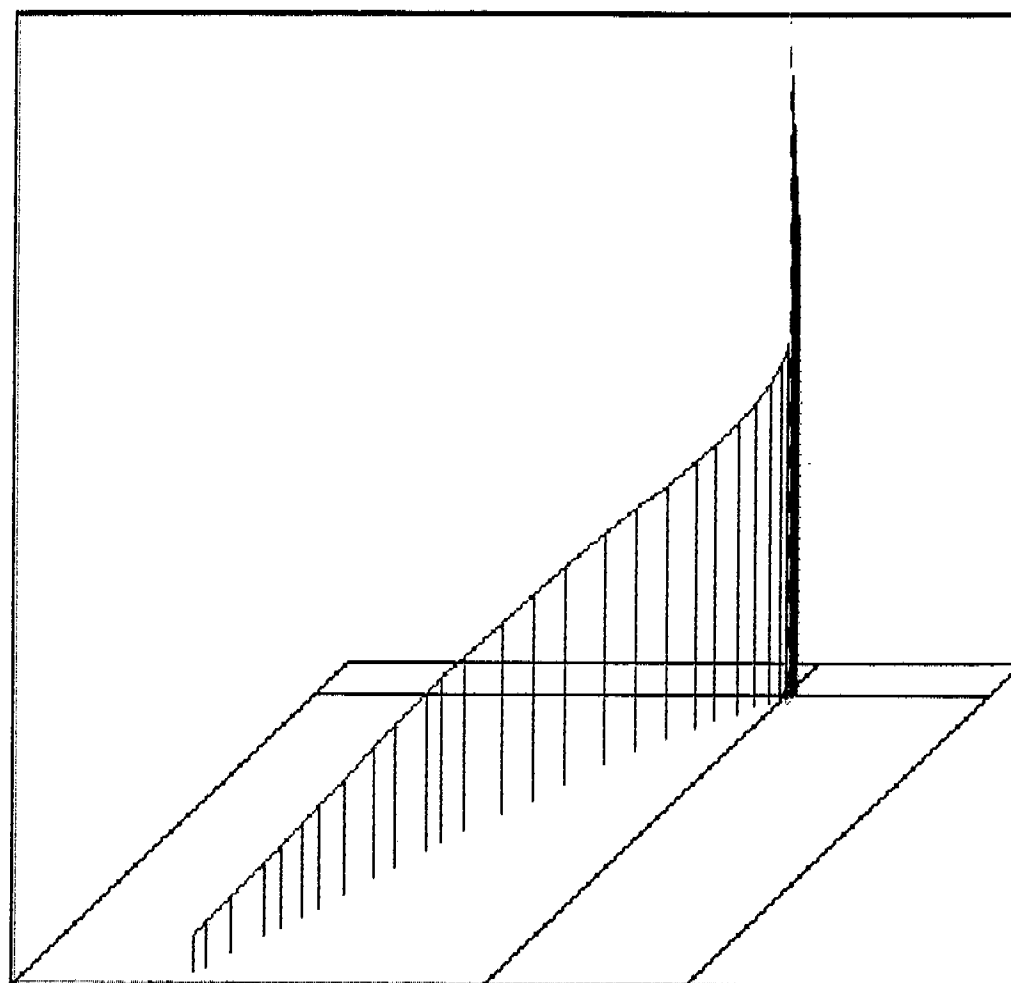
West 282.1

South 387.4

V. Dpth 1439.7



Geoservices



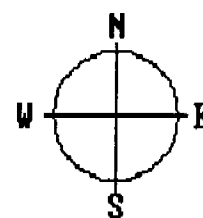
E-MERENIE-36
SINGLE SHOT

3-DIMENSIONAL

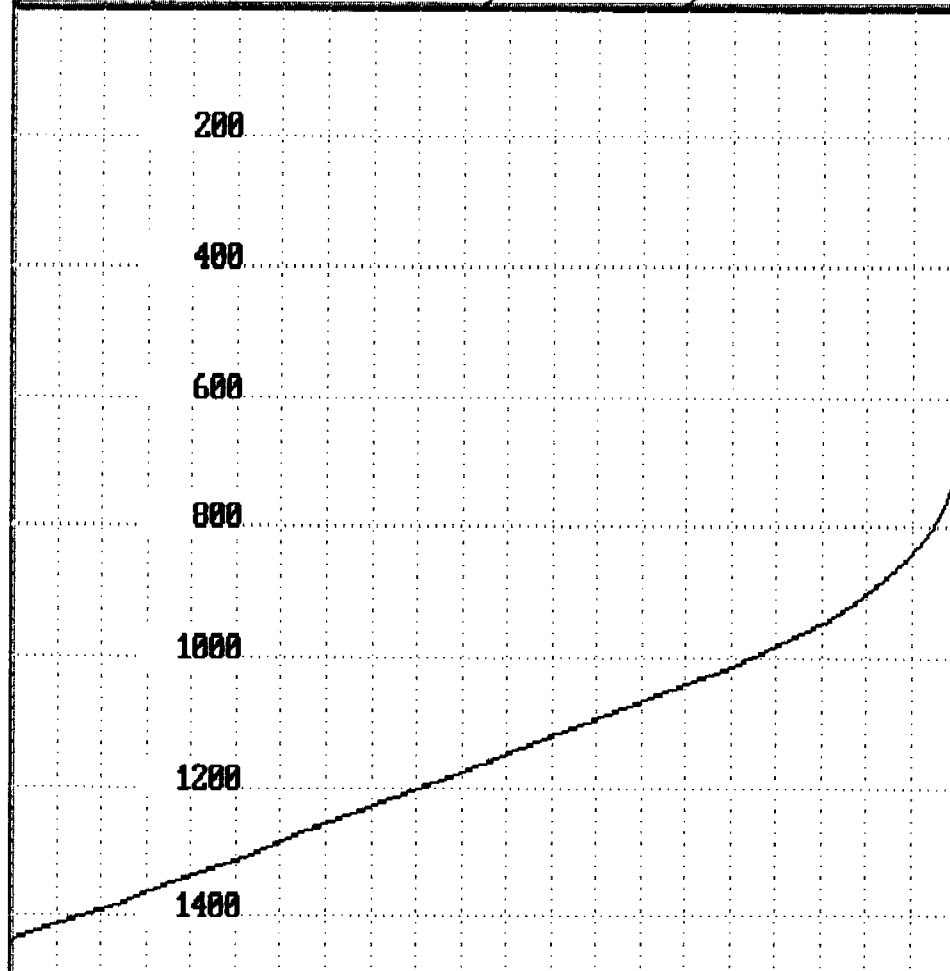
West 282.1

South 387.4

U.Dpth 1439.7



Geoservices



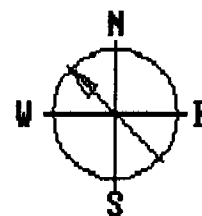
E-MERENIE-36
SINGLE SHOT

CROSS SECTION
20.0/Div.

West 282.1

South 387.4

U.Dpth 1439.7



Geoservices

E-MEREEENIE 36

SINGLE SHOT

Depth	Drift	Bearing##	Vrtcl Depth	Coordinates		Departure	Dog lg o/100m	No
				N / W	S / E			
40.5	0.50	54.0 ##	40.5	0.0 N	0.0 W	0.00	0.00	1
67.8	0.40	55.0 ##	67.8	0.1 N	0.2 E	0.21	0.36	2
95.2	0.50	49.0 ##	95.2	0.3 N	0.3 E	0.43	0.39	3
122.6	0.60	64.0 ##	122.6	0.4 N	0.6 E	0.69	0.63	4
151.4	0.60	91.5 ##	151.4	0.5 N	0.9 E	0.98	0.99	5
178.6	0.80	81.5 ##	178.6	0.5 N	1.2 E	1.29	0.86	6
205.9	0.90	92.5 ##	205.9	0.5 N	1.6 E	1.67	0.70	7
233.5	0.90	90.0 ##	233.5	0.5 N	2.0 E	2.09	0.16	8
261.4	1.00	103.5 ##	261.4	0.4 N	2.5 E	2.53	0.87	9
289.9	1.00	289.9 ##	289.9	0.5 N	2.5 E	2.54	7.01	10
310.8	1.10	105.0 ##	310.8	0.5 N	2.5 E	2.56	10.04	11
347.6	1.40	110.0 ##	347.6	0.2 N	3.3 E	3.29	0.86	12
376.5	1.30	103.0 ##	376.5	0.0 N	3.9 E	3.94	0.67	13
405.4	1.05	88.5 ##	405.4	0.0 S	4.5 E	4.53	1.33	14
434.3	0.80	96.0 ##	434.3	0.0 S	5.0 E	4.99	0.96	15
463.1	0.50	98.0 ##	463.1	0.1 S	5.3 E	5.32	1.04	16
492.0	0.05	258.0 ##	492.0	0.2 S	5.3 E	5.32	1.89	17
520.9	0.30	243.5 ##	520.9	0.2 S	5.2 E	5.24	0.87	18
549.7	0.70	233.0 ##	549.7	0.4 S	5.0 E	5.04	1.42	19
578.6	0.95	256.5 ##	578.5	0.5 S	4.6 E	4.68	1.44	20
607.5	1.00	260.5 ##	607.4	0.6 S	4.2 E	4.22	0.28	21
636.3	1.25	256.5 ##	636.2	0.8 S	3.6 E	3.69	0.90	22
665.2	1.90	235.0 ##	665.1	1.1 S	2.9 E	3.08	3.00	23
694.1	2.20	227.0 ##	694.0	1.7 S	2.1 E	2.71	1.43	24
707.0	2.70	229.5 ##	706.9	2.1 S	1.7 E	2.69	3.95	25
722.0	3.20	227.5 ##	721.9	2.6 S	1.1 E	2.84	3.39	26
741.9	4.50	225.5 ##	741.7	3.5 S	0.1 E	3.54	6.56	27
770.5	8.00	225.0 ##	770.2	5.7 S	2.1 W	6.10	12.23	28
808.9	12.00	223.5 ##	807.9	10.5 S	6.7 W	12.47	10.46	29
847.3	15.30	222.0 ##	845.3	17.2 S	12.9 W	21.46	8.64	30
885.3	19.50	222.5 ##	881.5	25.6 S	20.5 W	32.78	11.07	31
923.7	23.40	222.5 ##	917.3	35.9 S	30.0 W	46.82	10.14	32
952.6	26.00	220.5 ##	943.5	45.0 S	38.0 W	58.89	9.45	33
994.7	31.40	216.0 ##	980.4	60.9 S	50.4 W	79.07	13.81	34
1033.2	35.50	211.0 ##	1012.6	78.6 S	62.1 W	100.17	12.82	35
1071.7	38.00	210.5 ##	1043.4	98.4 S	73.9 W	123.05	6.54	36
1119.9	37.80	200.5 ##	1081.5	125.0 S	86.6 W	152.09	12.75	37
1158.4	36.40	208.5 ##	1112.2	146.1 S	96.2 W	174.95	13.04	38
1196.9	35.90	208.5 ##	1143.3	166.1 S	107.0 W	197.56	1.30	39
1242.8	37.00	209.0 ##	1180.2	190.0 S	120.1 W	224.80	2.48	40
1271.0	37.90	205.0 ##	1202.6	205.3 S	127.9 W	241.89	9.19	41
1292.2	37.80	201.0 ##	1219.4	217.3 S	133.0 W	254.74	11.58	42
1330.8	38.25	201.5 ##	1249.7	239.4 S	141.6 W	278.12	1.41	43
1359.6	37.50	201.0 ##	1272.5	255.9 S	148.0 W	295.64	2.80	44
1398.4	38.00	200.5 ##	1303.2	278.1 S	156.4 W	319.10	1.51	45
1430.2	38.70	202.5 ##	1328.1	296.5 S	163.7 W	338.63	4.48	46
1452.5	38.90	203.0 ##	1345.5	309.4 S	169.1 W	352.55	1.66	47
1478.4	39.90	202.5 ##	1365.5	324.5 S	175.4 W	368.88	4.06	48
1497.6	40.80	202.5 ##	1380.1	336.0 S	180.2 W	381.27	4.68	49

E-MEREEENIE 36

SINGLE SHOT

Depth	Drift	Bearing	##	Vrtcl Depth	Coordinates		Departure	Dog lg	
					N / W	S / E		o/100m	No
1536.1	42.80	204.0	##	1408.8	359.6 S	190.3 W	406.83	5.81	50
1565.0	45.10	202.5	##	1429.6	378.0 S	198.2 W	426.81	8.74	51
1579.4	45.50	202.5	##	1439.8	387.4 S	202.1 W	437.01	2.77	52

EAST MEREEENIE 36

HOFCO OILFIELD SERVICES Pty.Ltd.

Declination: 4.5 Deg East

TARGET CO-ORDINATES

MTRS EAS = -201.64
 MTRS NOR = -432.36
 TARGET T = 1439.70
 TANGENT ANGLE 44.20
 TARGET AZIMUTH 205.00

HOFCO OILFIELD SERVICES
 COMPANY: SANTOS PETROLEUM
 SURVEY: Magnetic NS
 NAME : East merreenie 36

DATE: April 1995

 DATE MD ANGLE AZIMUTH TVD V. SECT NORTH EAST NLS
 (m MD) (deg) corrected (m) (m) (m) (m) (/30m)

 TIE IN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

30-4-95	40.51	0.50	54.00	40.51	-0.15	0.10	0.14	0.37
30-4-95	67.79	0.40	55.00	67.79	-0.34	0.23	0.32	0.11
30-4-95	95.21	0.50	49.00	95.21	-0.53	0.36	0.49	0.12
30-4-95	122.63	0.60	64.00	122.63	-0.75	0.50	0.71	0.19
30-4-95	151.40	0.60	91.50	151.40	-0.93	0.57	0.99	0.30
30-4-95	178.64	0.80	81.50	178.63	-1.09	0.59	1.32	0.26
30-4-95	205.88	0.96	92.50	205.87	-1.28	0.61	1.72	0.21
30-4-95	233.52	0.90	90.00	233.51	-1.45	0.60	2.16	0.04
30-4-95	261.36	1.00	103.50	261.34	-1.60	0.54	2.61	0.26
30-4-95	289.90	1.00	101.00	289.88	-1.71	0.44	3.10	0.36
30-4-95	310.77	1.10	105.00	310.74	-1.91	0.32	3.61	0.10
30-4-95	347.64	1.40	110.00	347.61	-1.89	0.12	4.21	0.33
30-4-95	376.51	1.30	103.00	376.47	-1.95	-0.07	4.86	0.20
30-4-95	405.38	1.05	80.50	405.33	-2.13	-0.14	5.45	0.40
30-4-95	434.25	0.80	96.00	434.20	-2.36	-0.15	5.91	0.29
30-4-95	463.12	0.50	98.00	463.07	-2.46	-0.19	6.24	0.31
30-4-95	491.99	0.05	258.00	491.94	-2.45	-0.21	6.35	0.57
30-4-95	520.86	0.30	243.50	520.81	-2.43	-0.25	6.27	0.26
30-4-95	549.73	0.70	233.00	549.68	-2.21	-0.39	6.06	0.42
30-4-95	578.60	0.95	255.50	578.54	-1.91	-0.55	5.69	0.43
30-4-95	607.47	1.00	260.50	607.41	-1.62	-0.65	5.21	0.09
30-4-95	636.34	1.25	256.50	636.27	-1.28	-0.73	4.55	0.27
30-4-95	665.21	1.30	235.00	665.13	-0.87	-1.11	3.95	0.90
30-4-95	694.08	2.20	227.00	693.98	0.23	-1.76	3.16	3.43
30-4-95	707.51	2.70	229.50	706.90	0.77	-2.13	2.74	1.19

0722000500

MEREEENIE RIG

14-MAY-95 SUN 05:17

P.

HOFECO OILFIELD SERVICES Pty.Ltd.

Declination: 4.6 Deg Ea

TARGET CO-ORDINATES
MTRS EAST -201.64
MTRS NORTH -432.36
TARGET TVD 1439.70
TANGENT ANGLE 40.85
TARGET AZIMUTH 205.00

HOFECO OILFIELD SERVICES
COMPANY: SANTOS PETROLEUM
SURVEY: Magnetic MS & SS
NAME: East Mereneie 36

DATE: April / May 1995

DATE MD ANGLE AZIMUTH TVD V.SEC NORTH EAST
(m MD) (deg) corrected (m) (m) (m) (m)

TIE IN 707.01 2.70 229.50 706.90 0.77 -2.13 2.74

3-5-95	722.68	3.20	227.50	722.65	1.51	-2.57	3.14
	741.90	4.50	225.50	741.73	2.71	-3.56	1.20
	770.53	6.00	225.00	770.18	5.64	-5.75	-1.01
	808.86	12.00	223.50	807.92	11.93	-10.53	-5.64
	847.29	15.30	222.00	845.26	20.97	-17.20	-11.78
	885.26	19.50	222.50	881.48	31.41	-25.60	-19.42
	923.73	23.40	222.50	917.28	44.82	-35.97	-28.92
	952.62	26.00	220.50	943.53	56.40	-45.01	-36.91
4-5-95	994.71	31.40	216.00	980.44	76.07	-50.81	-49.36
	1033.21	35.50	211.00	1012.56	92.04	-58.62	-51.02
	1071.72	36.00	210.50	1043.41	119.97	-68.47	-52.80
5-5-95	1119.90	37.80	209.50	1081.43	149.43	-124.06	-57.59
	1158.41	38.40	208.50	1112.15	172.82	-144.37	-58.86
	1195.86	38.90	208.50	1143.19	195.26	-164.30	-109.65
6-5-95	1242.81	39.00	209.00	1180.16	223.80	-188.23	-132.81
	1271.04	39.90	205.00	1202.57	255.65	-203.52	-130.62
8-5-95	1292.24	39.80	201.00	1219.31	252.64	-215.49	-135.63
	1330.75	38.25	201.50	1249.65	276.31	-237.60	-144.28
	1359.64	37.50	201.00	1272.45	294.01	-253.13	-150.70
9-5-95	1398.45	38.00	200.50	1303.12	317.89	-276.24	-159.12
10-5-95	1430.20	38.70	202.50	1328.04	337.37	-294.68	-166.34
11-5-95	1452.54	38.90	203.00	1345.45	351.35	-307.59	-171.76
12-5-95	1478.39	39.90	202.50	1365.42	367.75	-322.72	-178.10
	1497.62	40.80	202.50	1380.58	380.19	-334.22	-182.87
13-5-95	1536.11	42.80	204.00	1408.77	405.83	-357.79	-193.00
	0.00	0.00	0.00	0.00			0.00

HOFECO OILFIELD SERVICES Pty.Ltd.

1497.62	40.80	202.50	1380.08	380.18	-334.20	-182.90
1536.11	42.80	204.00	1408.78	405.82	-357.76	-193.03
1579.00	45.00	203.00	1439.68	435.95	-385.04	-204.89

AT THE PRESENT COURSE, WE WILL INTERSECT THE TARGET AT
435.55 MTRS DISPLACEMENT = 0.45 OF A MTR BELOW THE CENTRE
OF THE TARGET.
/AN

15-MAY-95 MON 05:03

P.05

HOFCO OILFIELD SERVICES Pty.Ltd.

13-5-95	1536.11	42.80	204.00	1408.78	405.82	-357.76	-193.03
14-5-95	1569.04	45.10	202.50	1429.60	425.89	-376.21	-200.35
	1579.40	48.50	202.50	1439.70	436.09	-385.64	-204.86

SHOULD NOW PASS THROUGH THE CENTRE OF THE TARGET.

MEASURED DEPTH MDEP (M)	TRU VERT DEPTH TVDE (M)	INCLI- NATION DEVI (DEG)	HOLE AZIMUTH HAZI (DEG)	NORTH DEPARTURE ND (M)	EAST DEPARTURE ED (M)	DOG LEG SEVERITY CWEL (D/HF)	VERTIC SECTION VSEC (M)
690.00	689.9	2.72	28.8	-1.52	.60	3.92	-1.5
700.00	699.9	2.94	13.8	-1.09	.82	16.11	-1.0
710.00	709.8	2.94	238.7	-.69	.77	4.73	-.6
720.00	719.9	3.70	218.2	-.98	.44	2.17	-.9
730.00	729.9	4.32	218.2	-1.53	.02	2.37	-1.5
740.00	739.8	5.09	218.0	-2.16	-.48	2.77	-2.1
750.00	749.8	6.01	217.8	-2.93	-1.08	3.06	-2.9
760.00	759.6	7.01	217.5	-3.82	-1.76	2.93	-3.8
770.00	769.6	7.98	217.4	-4.85	-2.56	3.12	-4.8
780.00	779.6	9.01	216.9	-6.04	-3.46	3.03	-6.0
790.00	789.3	9.96	216.3	-7.35	-4.43	2.82	-7.3
800.00	799.2	10.88	216.0	-8.82	-5.51	2.74	-8.8
810.00	808.9	11.78	215.8	-10.39	-6.65	2.57	-10.3
820.00	818.8	12.63	216.0	-12.12	-7.89	2.49	-12.1
830.00	828.6	13.45	215.8	-13.96	-9.22	2.93	-13.9
840.00	838.2	14.43	215.2	-15.89	-10.61	2.55	-15.8
850.00	847.9	15.24	215.3	-17.98	-12.09	2.78	-17.9
860.00	857.6	16.12	215.1	-20.20	-13.66	3.20	-20.2
870.00	867.1	17.10	214.8	-22.53	-15.28	3.38	-22.5
880.00	876.7	18.17	214.5	-25.04	-17.02	3.33	-25.0
890.00	886.1	19.18	214.5	-27.65	-18.82	2.79	-27.6
900.00	895.5	20.09	214.2	-30.44	-20.72	3.04	-30.4
910.00	904.9	21.07	214.0	-33.36	-22.71	2.85	-33.3
920.00	914.2	22.02	213.8	-36.38	-24.74	3.03	-36.3
930.00	923.4	23.04	213.6	-39.59	-26.88	3.11	-39.5
940.00	932.5	24.01	213.4	-42.88	-29.06	2.98	-42.8
950.00	941.7	24.97	213.2	-46.37	-31.35	3.21	-46.3
960.00	950.8	26.06	213.0	-50.00	-33.71	3.24	-50.0
970.00	959.6	27.10	212.8	-53.72	-36.12	3.97	-53.7
980.00	968.5	28.39	212.5	-57.66	-38.65	4.04	-57.6
990.00	977.3	29.75	212.1	-61.78	-41.26	3.78	-61.7
1000.00	985.9	30.99	211.6	-66.03	-43.90	3.30	-66.0
1010.00	994.4	32.08	211.4	-70.50	-46.65	3.43	-70.5
1020.00	1002.8	33.17	211.2	-75.05	-49.43	3.48	-75.0
1030.00	1011.2	34.33	210.9	-79.83	-52.32	2.73	-79.8
1040.00	1019.4	35.18	210.5	-84.74	-55.27	2.00	-84.7
1050.00	1027.5	35.88	209.7	-89.70	-58.16	2.04	-89.7
1060.00	1035.6	36.10	209.1	-94.84	-61.08	2.52	-94.8
1070.00	1043.6	37.05	208.2	-100.02	-63.91	2.35	-100.0
1080.00	1051.6	37.49	207.9	-105.37	-66.78	2.30	-105.3
1090.00	1059.6	38.13	207.7	-110.85	-69.64	.99	-110.8
1100.00	1067.3	38.35	207.1	-116.33	-72.45	1.86	-116.3
1110.00	1075.2	37.90	206.6	-121.88	-75.26	1.44	-121.8
1120.00	1083.2	37.44	206.3	-127.39	-77.99	1.82	-127.3
1130.00	1091.1	37.04	205.7	-132.77	-80.62	1.78	-132.7
1140.00	1099.1	36.45	205.5	-138.18	-83.23	1.29	-138.1
1150.00	1107.1	36.01	205.1	-143.47	-85.72	.79	-143.4
1160.00	1115.3	35.81	204.8	-148.83	-88.21	.21	-148.8
1170.00	1123.4	35.80	204.7	-154.16	-90.67	.66	-154.1
1180.00	1131.5	35.60	204.5	-159.42	-93.08	.16	-159.4
1190.00	1139.7	35.57	204.4	-164.75	-95.51	.52	-164.7
1200.00	1147.8	35.42	204.3	-170.07	-97.92	.98	-170.0
1210.00	1155.9	35.17	204.1	-175.28	-100.27	.52	-175.2
1220.00	1164.2	35.15	203.8	-180.57	-102.62	1.90	-180.5
1230.00	1172.2	35.66	203.5	-185.82	-104.92	2.51	-185.8
1240.00	1180.4	36.18	202.4	-191.25	-107.24	2.68	-191.2
1250.00	1188.5	36.65	201.1	-196.78	-109.46	2.69	-196.7
1260.00	1196.4	36.95	199.9	-202.34	-111.54	1.58	-202.3
1270.00	1204.4	37.26	199.2	-208.06	-113.56	0.0	-208.0
1280.00	1212.3	37.26	199.2	-213.73	-115.53	0.0	-213.7
(M) MDEP DEPTH MEASURED	(M) TVDE DEPTH TRU VERT	(DEG) DEVI NATION INCLI-	(DEG) HAZI AZIMUTH HOLE	(M) ND DEPARTURE NORTH	(M) ED DEPARTURE EAST	(D/HF) CWEL SEVERITY DOG LEG	(M) VSEC SECTION VERTICAL