

DRIFT COMPUTATION REPORT

COMPANY : ESSO AUSTRALIA LTD
WELL : ROUNDHEAD #1
FIELD : WILDCAT
COUNTRY : AUSTRALIA
REFERENCE: 569285

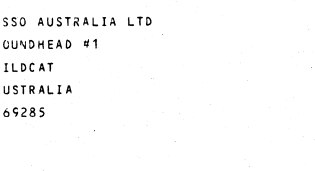


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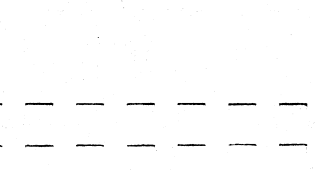
LONG DEFINITIONS
GLOBAL
SRD - ELEVATION OF THE SEISMIC REFERENCE POINT ABOVE MSL OR MHL
KBB - ELEVATION OF KELLY BUSHING FROM ABOVE MSL OR MHL
GLB - ELEVATION OF KELLY BUSHING (GENERALLY GROUND LEVEL) ABOVE SRD
XSTART - TOP OF ZONE PROCESSED BY WST
XSTOP - BOTTOM OF ZONE PROCESSED BY WST
SADDD1 - RATIO SONIC CHANNEL NAME USED FOR WST SONIC ADJUSTMENT
UNFDEN - UNIFORM DENSITY VALUE
ZONE
LOFLEN - LAYER OPTION FLAG FOR DENSITY: -1=NONE; 0=UNIFORM; 1=UNIFORM+LAYER
LAYDEN - USER SUPPLIED DENSITY DATA
SHOT - SAMPLED
SDR - SHOT NUMBER
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - DEPTH FROM SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
SMT - SHOT TIME (WST)
SADM - SHOT TIME (WST)
SHDR - DRIFT AT SHOT OR KNEE
BLSH - BLOCK SHIFT BETWEEN SHOTS OR KNEE
(GLOBAL PARAMETERS) (VALUE)
ELEV OF KB AB. MSL (WST) KB : 21.0000 M
ELEV OF SRD AB. MSL (WST) SRD : 21.0000 M
ELEVATION OF KELLY BUSHING KBB : 21.0000 M
ELEV OF GL AB. SRD (WST) GL : -60.0000 M
TOP OF ZONE PROC (WST) XSTART : 0 M
BOT OF ZONE PROC (WST) XSTOP : 0 M
RAW SONIC CH NAME (WST) SADDD1 : DT_ATT_022.FLP
UNIFORM DENSITY VALUE UNFDEN : 2.30000 G/CC
(ZONED PARAMETERS) (VALUE) (LIMITS)
LAYER OPTION FLAG DENS LOFLEN : 1.00000 30479.7 0
USER SUPPLIED DENSITY DA LAYDEN : 1.999.2500 G/CC 30479.7 0

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	VERTICAL TRAVEL AT KNEE SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	COMPUTED DRIFT AT LEVEL MS	COMPUTED BLK-SHIFT CORRECTION US/F
1	81.00	60.00	0	40.54	40.54	0	0
2	225.00	204.00	144.00	111.99	111.99	0	0
3	825.00	804.00	744.00	351.57	344.21	7.36	3.74
4	1000.00	979.00	919.00	410.19	402.16	8.03	1.17
5	1200.00	1179.00	1119.00	471.82	461.27	10.55	3.83
6	1400.00	1379.00	1319.00	524.93	513.72	11.21	1.01
7	1518.00	1497.00	1437.00	555.95	543.48	12.47	3.27
8	1614.00	1593.00	1533.00	581.04	568.52	12.52	1.13
9	1800.00	1779.00	1719.00	641.99	628.47	13.52	1.53
10	2034.00	2013.00	1953.00	725.73	707.85	17.88	5.68
11	2200.00	2179.00	2119.00	782.02	762.33	19.69	3.32
12	2376.00	2355.00	2295.00	839.03	816.95	22.08	4.14
13	2483.00	2462.00	2402.00	866.47	845.56	20.91	-3.33
14	2594.00	2573.00	2513.00	894.34	874.15	20.19	-1.97
15	2678.00	2657.00	2597.00	901.54	896.53	20.76	3.63
16	2728.00	2707.00	2647.00	929.28	909.11	20.17	1.35
17	2792.00	2771.00	2711.00	945.31	925.18	20.14	-3.57
18	2846.00	2825.00	2765.00	958.45	938.85	19.60	-1.17
19	2959.00	2938.00	2878.00	987.56	968.43	19.13	-3.00
20	3010.00	2989.00	2929.00	1000.66	980.94	19.72	-1.29
21							3.53



SONIC ADJUSTMENT PARAMETER REPORT

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LONG DEFINITIONS
GLOBAL
SADCRF - ORIGIN OF ADJUSTMENT DATA
CONADJ - CONSTANT ADJUSTMENT TO AUTOMATIC DELTA-T MINIMUM = 7.5 US/F
UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)
ZONE
ZDRIFT - USER DRIFT AT BOTTOM OF THE ZONE
ADJOP2 - TYPE OF ADJUSTMENT IN THE DRIFT ZONE: 0=DELTA-T MIN; 1=BLOCKSHIFT
ADJUST - DELTA-T MINIMUM USED FOR ADJUSTMENT IN THE DRIFT ZONE
LOFVEL - LAYER OPTION FLAG FOR VELOCITY: -1=NONE; 0=UNIFORM; 1=UNIFORM+LAYER
LAYVEL - USER SUPPLIED VELOCITY DATA
SHOT - SAMPLED
SDR - SHOT NUMBER
VOKB - VERTICAL DEPTH RELATIVE TO KB
DSRD - DEPTH FROM SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
KNEE - KNEE
BLSH - BLOCK SHIFT BETWEEN SHOTS OR KNEE
DTHI - VALUE OF DELTA-T MINIMUM USED
COEF - DELTA-T MIN COEFFICIENT USED IN THE DRIFT ZONE
DRGR - GRADIENT OF DRIFT CURVE
(GLOBAL PARAMETERS) (VALUE)
ORIG OF ADJ DATA (WST) SADCRF : 2.00000
CONSTANT ADJUST (WST) CONADJ : 7.50000 US/F
UNIFORM EARTH VELOCITY UNERTH : 2.13000 M/S
(ZONED PARAMETERS) (VALUE) (LIMITS)
USER DRIFT ZONE (WST) ZDRIFT : 20.00000 MS 3010.00 - 2846.00
20.00000 MS 2846.00 - 2377.00
20.00000 MS 2377.00 - 1918.00
13.00000 MS 1918.00 - 1553.00
10.00000 MS 1553.00 - 1153.00
3.00000 MS 1153.00 - 225.000
ADJUSTMENT MODE (WST) ADJOP2 : -999.2500 30479.7 0
USER DELTA-T MIN (WST) ADJUST : -999.2500 US/F 30479.7 0
LAYER OPTION FLAG VELOC LAYVEL : 1.00000 M/S 30479.7 81.0000
USER VELOC (WST) : 2015.000 27.0000 0

KNEE NUMBER	VERTICAL DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	DRIFT AT KNEE MS	BLOCKSHIFT USED US/F	DELTA-T MINIMUM US/F	REDUCTION FACTOR	EQUIVALENT BLOCKSHIFT US/F
2	225.00	204.00	144.00	0	3.40	0	0	0
3	422.00	401.00	341.00	2.20	3.25	0	0	3.40
4	1153.00	1132.00	1072.00	10.00	3.40	0	0	3.25
5	1614.00	1593.00	1533.00	13.00	1.98	0	0	3.40
6	2377.00	2356.00	2296.00	21.50	70.55	0	0.89	-97
7	2846.00	2825.00	2765.00	20.00	0	0	0	0
8	3010.00	2989.00	2929.00	20.00	0	0	0	0



VELOCITY REPORT

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LONG DEFINITIONS
GLOBAL
KB - ELEVATION OF THE KELLY-BUSHING ABOVE MSL OR MHL
SRD - ELEVATION OF THE SEISMIC REFERENCE POINT ABOVE MSL OR MHL
KBB - ELEVATION OF KELLY BUSHING FROM ABOVE MSL OR MHL
GLB - ELEVATION OF KELLY BUSHING (GENERALLY GROUND LEVEL) ABOVE SRD
UNERTH - UNIFORM EARTH VELOCITY (GTRFRM)
ZONE
LOFVEL - LAYER OPTION FLAG FOR VELOCITY: -1=NONE; 0=UNIFORM; 1=UNIFORM+LAYER
LAYVEL - USER SUPPLIED VELOCITY DATA
SHOT - SAMPLED
SDR - SHOT NUMBER
DKB - MEASURED DEPTH FROM KELLY-BUSHING
DSRD - DEPTH FROM SRD
DGL - VERTICAL DEPTH RELATIVE TO GROUND LEVEL (USER'S REFERENCE)
SMT - SHOT TIME (WST)
ADJ2 - ADJUSTED SONIC TRAVEL TIME
SHDR - DRIFT AT SHOT OR KNEE
REST - RESIDUAL TRAVEL TIME AT KNEE
INTV - INTERVAL VELOCITY, AVERAGE
(GLOBAL PARAMETERS) (VALUE)
ELEV OF KB AB. MSL (WST) KB : 21.0000 M
ELEV OF SRD AB. MSL (WST) SRD : 21.0000 M
ELEVATION OF KELLY BUSHING KBB : 21.0000 M
ELEV OF GL AB. SRD (WST) GL : 1.00000 M
UNIFORM EARTH VELOCITY UNERTH : 2.133.000 M/S
(ZONED PARAMETERS) (VALUE) (LIMITS)
LAYER OPTION FLAG VELOC LAYVEL : 1.00000 30479.7 0
USER VELOC (WST) : 2015.000 M/S 27.0000 81.0000

LEVEL NUMBER	MEASURED DEPTH FROM KB M	VERTICAL DEPTH FROM SRD M	VERTICAL DEPTH FROM GL M	DRIFT AT KNEE SRD/GEO MS	INTEGRATED RAW SONIC TIME MS	ADJUSTED SONIC TIME MS	SHOT TIME - RAW SON MS	RESIDUAL INTERVAL VELOCITY - ADJ SON MS	ADJUSTED INTERVAL VELOCITY M/S
1	81.00	60.00	0	40.54	40.54	0	0	0	1480
2	225.00	204.00	144.00	111.99	111.98	0	0	0	2016
3	825.00	804.00	744.00	351.57	350.70	7.36	0	0	2513
4	1000.00	979.00	919.00	410.19	410.51	3.03	0	0	2926
5	1200.00	1179.00	1119.00	471.82	471.56	10.55	0	0	3276
6	1400.00	1379.00	1319.00	524.93	525.11	11.21	0	0	3721
7	1518.00	1497.00	1437.00	555.95	555.84	12.47	0	0	386
8	1614.00	1593.00	1533.00	581.04	581.50	12.52	0	0	3741
9	1800.00	1779.00	1719.00	641.99	643.53	13.52	0	0	2999
10	2034.00	2013.00	1953.00	725.73	725.51	17.88	0	0	2854
11	2200.00	2179.00	2119.00	782.02	781.85	19.69	0	0	2947
12	2376.00	2355.00	2295.00	839.03	838.43	22.08	0	0	3111
13	2483.00	2462.00	2402.00	866.47	866.61	20.91	0	0	3798
14	2594.00	2573.00	2513.00	894.34	894.87	20.19	0	0	3928
15	2678.00	2657.00	2597.00	901.54	901.69	20.50	0	0	3829
16	2728.00	2707.00	2647.00	929.28	929.37	20.76	0	0	3803
17	2792.00	2771.00	2711.00	945.31	945.31	20.14	0	0	4018
18	2846.00	2825.00	2765.00	958.45	958.83	19.60	0	0	3990
19	2959.00	2938.00	2878.00	987.56	988.41	19.13	0	0	3820
20	3010.00	2989.00	2929.00	1000.66	1000.92	19.72	0	0	4079