										OR	IGIN EN	ERGY I	RESOL	JRCES	LTD.													
	Well : Dunbar 1 DW 1 Basin / Area : OTWAY BASIN Permit : PPL1 Field : Re entry																											
Location : Latitude : 38° 32' 53.79" S G.L. 77.20 metres Spud Date:												19	-Mar-01															
Longitude : 142° 54' 23.11" N Well Site Supervisor: Barry Beetson K.B. 81.40 metres T.D. Date:											23	-Mar-01																
		Contractor		0	D&E		_	Rig #	30	_					Proposed TD:			1622	metre	es			Rig Re	eleased	d Date:		26	-Mar-01
	1_				PUN	<u>APS</u>	-	,							-			М	UD TY	ΈE		_						
No.	Туре				Stro	oke (in)		Liner (n)	Output	(gps)	Section			Dev	Interval Type									Wt			
1	GD PZ-8 Triplex 8.00 5.50 2.34 Surface 28.3;323.7 0m to 1636m KCL/PHPA								9.10																			
2	3D PZ-8 Triplex 8.00 5.50 2.34 Main 28.3;323.7 1636m to 1636m KCL/PHPA								9.10																			
Bit	Run	Size	Make	Type	IADC	Serial	N	lozzles	Motor	Shock-Sub	Depth	Metres	Hours	ROP	Accum		-	Bit G	rading	<u>}</u>			WC)B	RF	<u>M</u>	Press	Pump
No.	No.	(in)		21	Code	No.			Y / N	Serial No.	Out			(m/hr)	Hours	I	0	D	L	В	GO	R	Mn	Мx	Mn	Mx	(psi)	(gpm)
0											0		0		0	1	-	-			,						 	
1	1	6.0	HTC	STR-09D	437	BO9ZW	12	12 12	n		1209	1209	0	0.0	0	3	4	WT	A	E	1 ER	TD	2	15	125	185	2150	250
2	1	6.0	HTC	STR-09D	437	BO9ZW	12	12 12	n		1636	427	45	9.5	45	3	4	WT	A	E	1 ER	TD	2	15	125	185	2150	250
																											 	
																											L	
		_																										
	Comments :																											

IADC DULL BIT GRADING

INVER DILLCHAR DILLCHAR <thdillchar< th=""> DILLCHAR <t< th=""><th>L</th><th></th><th>CUTTIN</th><th colspan="4">BEARINGS</th><th>GAGE</th><th>OTHER</th><th>REASON</th></t<></thdillchar<>	L		CUTTIN	BEARINGS				GAGE	OTHER	REASON							
Image: Contract Currence of the control of the con	Ľ	INNER	OUTER	DULL CHAR		LOCATI	ON	/ SEAI	LS		DULL CHAR.	PULLED					
9. INFRUITING STRUCTURE (All inner rows) 9. OLTER CUTING STRUCTURE (Age row only) 3. GUTER CUTING STRUCTURE (Age row only) 4. Guter Status (Adverse status status from 0 to 8 to status to status to 100000000000000000000000000000000000	0 2 3				4 5			6	\bigcirc	8							
ONERCUTING STRUCTURE (All inner rows) OUTER CUTING STRUCTURE (Gage row only) Calumation and / outer state from 0 or 8 is used to describe the outer and outer of the cuting structure exceeding to the following: Amount of the cuting structure according to the following: Amount of the outer handing in the cuting structure endescribe the following: Amount of the cuting structure according to the following: Amount of the cuting structure according to the following: Amount of the following in the cuting structure related codes of the cuting structure related codes. Intervention of the following in the f																	
<section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header>		① INNER CUTTING STRUCTURE (All inner rows)															
• OTHER UTING STRUCTURE (TORE UNUID) Results in ad 2 intera stade from 0 to 5 its used to describe the configuration of the change interacture conduction the following: • NTERLINGTH HITS INTERLINGT interaction of the change interacture conduction due to lost, or booken catting structure • NO LOSS OF TOOTHINGTOT INTERLINGT interaction of the change interacture • NO LOSS OF TOOTHINGTOT INTERLINGT interaction of the change interacture • NO LOSS OF TOOTHINGTOT INTERLINGT interaction of the change interacture • NO LOSS OF TOOTHINGTOT INTERLINGT interaction of the change interacture • NO LOSS OF TOOTHINGTOT INTERLINGTON ON NO NO Interaction of the change interacture • NO LOSS OF TOOTHINGTOT • DULL CHARACTERISTICS (Use only cutting structure related codes.) Interaction of the change interacture • NO																	
Inclusion and the activation of the design structure exclusion of the design		Ľ	UTEK U			0 to 9 in	(Gage	TOW OILLY)								
STEEL TOOTH BITS INSERT BITS FILED CUTTER BITS A measure of basit onb height due to abrasice and / or damage A measure of basit, which and / structure reduction due to hat, worn and / or broken casting structure A measure of basit, worn and / or broken casting structure $\Phi = 0.01655 OF TOOTH III.GUT \Phi = 0.01657, WORN ANDOR \Phi = 0.01657, WORN ANDOR \Phi = 0.01657, WORN ANDOR \Phi = 0.01655 OF TOOTH III.GUT \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01657, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01657, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.00677, WORN ANDOR \Phi = 0.00677, WORN ANDOR \Phi = 0.01677, WORN ANDOR \Phi = 0.017777, WORN ANDOR \Phi = 0.0067777, WORN ANDOR \Phi = 0.0067777777777777777777777777777777777$				the condition of the cutt	ing structure a	a o to a is used to according to the f	following:										
A measure of load unting structure reduction due to lost, were and of the due to the due t	Ľ		STEEL TOOTH	I BITS		INSERT BI	ГS			FIXED CUTTER BITS							
due to abrassion and/ or dimage structure reduction due to lost, worm and/ or dimage or broken insets or broken insets • NO LOSS OF TOOTH HELGHT • NO LOSS, NORN ABROK BROKEN CUTTING, STRUCTURE • SO LOSS, NORN ABROK BROKEN CUTTING, STRUCTURE • TOTAL LOSS OF TOOTH HELGHT • NO LOSS, NORN • ALL SNR NORN • ALL SNR NORN • TOTAL LOSS OF TOOTH HELGHT • ALL SNR NORN • ALL SNR NORN • ALL SNR NORN • TOTAL LOSS OF TOOTH HELGHT • C. CARCHARCH SNR NORN • ALL SNR NORN • ALL SNR NORN • TOTARE SNR NORN • DUNK DAMAGE NOR SNR NORN • ALL SNR NORN • ALL SNR NORN • CC CREAGED CONE PC PC NOR SNR NOR SNR SNR SNR NOR • CC CORE CONE PC NOR SNR NOR SNR SNR SNR SNR • CC	ſ		A measure of los	t tooth height		A measure of	total cutt	ing		A measure of los	t, worn and /						
B-ND LOSS OF TOOTH HEIGHT B-ND LOST, WORK NARDER B-OND LOST, WORK NARDER B-OTAL LOSS OF TOOTH HEIGHT B-ALL INSERTS LOST, WORK B-ALL OCTITING STRUCTURE B-OTAL LOSS OF TOOTH HEIGHT B-ALL INSERTS LOST, WORK B-ALL OCTITING STRUCTURE COMMENSATION B-ALL OCTITING STRUCTURE B-ALL OCTITING STRUCTURE B-OTAL LOSS OF TOOTH HEIGHT B-ALL OF COMMENSATION B-ALL OCTITING STRUCTURE B-OTAL LOSS OF TOOTH HEIGHT B-ALL OF COMMENSATION B-ALL OF COMMENSATION B-OTAL LOSS OF TOOTH HEIGHT ICC BLOST COMMENSATION B-ALL OF COMMENSATION B-OTAL LOSS OF TOOTH HEIGHT ICC BLOST COMMENSATION B-ALL STRUCTURE ICC B-OTAL LOSS OF TOOTH HEIGHT ICC BLOST COMMENSATION B-OTAL PARAMETRIAN COMMENSATION ICC B-OTAL DOSS OF TOOTH HEIGHT ICC ICC ACCOME BS ICC ACCOME ICC ACCOME ICC ACCOMENSATION ICC ACCOMENSA			due to abrasion ar	nd / or damage		structure reduct worn and / or l	tion due to broken ins	o lost, serts	or broken cutting structure								
*-TOTAL LOSS OF TOOTH INEGRIT *-ALL NEER'S LOST, VORN *-ALL OF CUTTING STRUCTURE (*) DULL CHARACTERISTICS (Use only cutting structure related codes.) (*) DULL CHARACTERISTICS (Use only cutting structure related codes.) (*) DEC * BROKEN CONE FC FLAT CRISTED WEAR RG ROUNDED GAGE (*) BROKEN CONE FC FLAT CRISTED WEAR RG ROUNDED GAGE (*) BROKEN CONE FC FLAT CRISTED WEAR RG ROUNDED GAGE (*) BROKEN CONE FC FLAT CRISTED WEAR RG ROUNDED GAGE (*) CC CORE RAGGED FL IN FLOW DAMAGE SD SIBRE-TAIL DAMAGE (*) CONE INFRAFMENCE OC OFF-CENTRE WEAR WT WORN TENTH/CUTTERS RUBATED OFF (*) LOCATION EXEMPTORY FE SIGUED CONE & SIGUED OFF SIGUED CONE & SIGUED OFF (*) NON-SE ROW 2 N NOT ABLE TO GRADE Sigue Cone # # Sig			0 - NO LOSS OF TO	ООТН НЕІGHT		0 - NO LOST, W BROKEN	VORN AND INSERTS	/OR	0 - NO LOST, WORN AND/OR BROKEN CUTTING STRUCTURE								
Image: Second models Image: Second models Image: Second		8	8 - TOTAL LOSS OF	тоотн неіднт		8 - ALL INSERT	'S LOST, W BROKEN	ORN		8 - ALL OF CUTTING STRUCTURE							
③ DULL CHARACTERISTICS (Use only cutting structure related codes.) ■	L				1	AND/OR I	DRUKEN			I	LUS1, WUKN ANI	//UN DRUKEN					
BC* BC ACRESTED WEAR RG ROUNDED GAGE BF BOND FAILURE HC HEAT CHECKING RO ROUNDED GAGE BF BOND FAILURE HC UTTERS JD JUNA DAMAGE SS SHEAT FAILD AMAGE BF BROKEN IEEHI/ CUTTERS JD JUNA DAMAGE SS SHEAT FAILD AMAGE CC* CARCED CONE LI LOST CONE SS SHEAT FAILEND (WEAR CC* CARCED CONE LI LOST TEEHI / CUTTERS WO WASHED OUT BIT C1 CONE INTREFERENCE OC OFF-CONTRE WEAR WT WONN TEEHI / CUTTERS C1 CONE INTREFERENCE PN PLUGGED NOZZLE / FLOW PASSAGE SHOULD BET NO NO NO C1 CONE INTREFERENCE PN PLUGGED NOZZLE / FLOW PASSAGE SHOULD BET NO		③ DULL CHARACTERISTICS (Use only cutting structure related codes.)															
BY BOND FAILURE HC HEAT CHECKING NO NO End BT BROKEN TEETH/CUTTERS JD RINK DAMAGE SS SHIRT-TAIL DAMAGE BT BROKEN TEETH/CUTTERS JD RINK DAMAGE SS SHIRT-TAIL DAMAGE CC * CACKED CONF I.N IOST TOXE SS SHIRT-TAIL DAMAGE CC * CACKED CONF I.N IOST TEETH/CUTTERS WO WASHED OUT BIT C1 CORE DRAGGED LIT LOST TEETH/CUTTERS WO WASHED OUT BIT C1 CORE DITEETH/CUTTERS PN PLOGED NOZZLE / CHARACTERISTICS C1 CORE ROW 2 NO NO NO DULL CHARACTERISTICS C1 ROSIGN PN PLOGED NOZZLE / CHARACTERISTICS CHARACTERISTICS C1 GAGE ROW 2 A ALL ROWS 3 S SHOULDER NO NO C1 ROSIGNO CONE # NOSE # GAGE SHOULDER NOSE # ALL AREAS A ALL ROWS 3 D NO SEALED BEARINCS E SLOCATION <	Г	BC *	BROKEN CONF	3	FC	FLAT CREST	ED WEAI	2	RG	ROUND	ED GAGE						
BY DROKEN TEETH / CUTTERS JD JUNK DAMAGE SD SIMITAL DAMAGE BU BALLED UP BIT I.C* LOST CONE SS SELF-SILAPPINNO WEAR CC* CRACKED CONE I.N LOST NOZZLE TR TRACKING CD* CONE DRAGED I.T LOST TEETH / CUTTERS WO WASHED OUT BIT C1 CONE INTERFREENCE OC OFF-CENTRE WEAR WT WORN TEETH / CUTTERS C1 CONE INTERFREENCE OC OFF-CENTRE WEAR WT WORN TEETH / CUTTERS C1 CONE ONE PAGED PB PILUGED NOZZLE / NO DULL C1 CHIPPED TEETH / CUTTERS PN PILUGED NOZZLE / NO DULL C1 CONE BOW PI PILUGED NOZZLE / NO DULL CHARACTERISTICS ER IRONSE ROW 1 INT INT INT INT C1 CONE BOW 1 INT INT INT INT SEALED BEARINGS INT INT INT INT INT INTER INTER I Inter scale estimating bearing life usel Intescale ETFETITE INT INTER INTER	ľ	BF	BOND FAILURE	3	HC	HEAT CHECK	ING		RO	RING O	UT						
BU BALLED UP BIT LC* LOST CONE SSI NELFARMENING WEAR CC* CRACKED CONE LN LOST NOZZLE TRACKING CD* CONE DRAGGED LT LOST NOZZLE We Washed DUT BIT CI CONE DRAGGED LT LOST NOZZLE We Washed DUT BIT CI CONE DRAGGED PB PINCHED BIT No No DULL CT CHIPPED TEETH / CUTTERS PN PINCHED BIT No No DULL CT CHIPPED TEETH / CUTTERS PN PINCHED BIT No No DULL CHARACTERISTICS ER FROSION PN PINCHED BIT No No DULL CHARACTERISTICS CT CHIPPED TEETH / CUTTERS PN PINCHED BIT No No DULL CHARACTERISTICS ER FROSION CONE # SHOULDER No No SE GUE # SHOULDER CT ROWSEAD EXAMPTERISTIC SHOULDER SHOULDER ALL AREAS SHOULDER SHOULDER SHOULDER ALL ROWS 3 EXAMPTERISTIC INFORED CUTTER NOSSEALED BEARINGS ESEALED BEARINGS ENDER		BT	BROKEN TEET	H / CUTTERS	JD	JUNK DAMAO	ЭE		SD	SHIRT-	TAIL DAMAGE						
CD CONE DEAGGE LT LOST TEETH / CUTTERS NR INK <		BU CC*	BALLED UP BI	<u>r</u>	LC *	LOST CONE	E.		SS	SELF-S	HARPENING WEAR						
$r_{\rm ft}$ CONE INTERFERENCE OC OFF-CENTRE VEAR WT WONN TEETH / CUTTERS $r_{\rm ft}$ CORE PB PINCHED BIT NO NO ULL CHARACTERISTICS $c_{\rm ft}$ COUNT INTERFERENCE PB PINCHED BIT NO NO ULL CHARACTERISTICS $c_{\rm ft}$ COUNT INTERFERENCE PN PINCHED BIT NO NO ULL CHARACTERISTICS $c_{\rm ft}$ COUNT INTERFERENCE PN PINCHED BIT NO NO COUNT INTERFERENCE NO $c_{\rm ft}$ COUNT INTERFERENCE PN PINCHED BIT NO		<u>CD *</u>	CRACKED CON	E ED	LN LT	LOST NOZZLI	E / CUTTE	RS	WO	WASHE	ING ED OUT BIT						
CR CORED PR PNXCHED BIT NO NO <th></th> <th>CI</th> <th>CONE INTERFE</th> <th>ERENCE</th> <th>00</th> <th>OFF-CENTRE</th> <th>WEAR</th> <th>ito</th> <th>WT</th> <th colspan="7">WORN TEETH / CUTTERS</th>		CI	CONE INTERFE	ERENCE	00	OFF-CENTRE	WEAR	ito	WT	WORN TEETH / CUTTERS							
CT CHIPPED TEETH / CUTTERS PN PL/GGED NOZZLE / Show Cone # or # or # sunder location @ R ERCOSION * Show Cone # or # or # sunder location @ ® LOCATION Image: Construction of the sunder location @ PN PL/GGED NOZZLE / Show Cone # or # sunder location @ Image: Construction of the sunder location @ PL/GGED NOZZLE / Show Cone # or # sunder location @ Image: Construction @ Image: Construction of the sunder location @ PL/GGED NOZZLE / Construction @ PL/GGED NOZZLE / Show Cone # or # or # sunder location @ Image: Construction of the sunder location @ PL/GGED NOZZLE / Construction @ PL/GGED NOZZLE / Construction @ Image: Construction of the sunder location @ PL/GGED NOZZLE / Construction @ PL/GGED NOZZLE / Construction @ Image: Construction of the sunder location @ PL/GGED NOZZLE / Construction @ PL/GGE DNOZZLE / Construction @ Image: Construction of the sunder location @ PL/GGE DNOZZLE / Construction @ PL/GE DNOZZLE / Construction @ PL/GE DNOZZLE / Construction @ Image: Construction of the sunder location @ PL/GE DNO POIL PL/GE DNO POIL POIL @ PL/GE DNO POIL @ PL/GE DNO POIL @ Image: Construction of the sunder location of the sunder location @ PR PL/GE POIL / Construction Sunder POI / Construction Sunder POIL / Construction		CR	CORED		PB	PINCHED BIT			NO	NO DULL							
EK FROSION PLOW PASSAGE Show Cone # or # s under location %	Ļ	CT CHIPPED TEETH / CUTTERS				PLUGGED NO	ZZLE /		* 01	CHARACTERISTICS							
Image: Note of the second	L	ER	EROSION			FLOW PASSA	GE		* Show	v Cone #	or # s under location	4)					
Image: Search of the sead of the s		-	N M G A	ROLLER CONE NOSE ROW MIDDLE ROW GAGE ROW ALL ROWS	CONE # 1 2 3	FIXED CUTTERCONE #CCONESSHOULDER1NNOSEGGAGE2TTAPERAALL AREAS3											
SEALED BEARINGS A linear scale estimating bearing life used. E SEALED BEARINGS 0 No life used X FIXED CUTTER 8 All life used (No bearing life left.) N NOT ABLE TO GRADE © GAGE (Measure in sixteenths of an inch) Image: Comparison of the state of the stat		5	BEARING	S /SEALS													
A linear scale estimating bearing life used. E SEALS EFFECTIVE T T 0 No life used F SEALS EFFECTIVE T T T 8 All life used (No bearing life left.) NO TABLE TO GRADE T			NON-SEA	ALED BEARINGS		1		SEALE	D BEA	RINGS		1					
0 No life used F SEALS FAILED (BEARINGLESS) 8 All life used (No bearing life left.) N NOT ABLE TO GRADE (BEARINGLESS) 0 1 2 4 - 1/16" 1/8" 1/4" N GAGE OUT OF GAGE OUT OF GAGE OUT OF GAGE 0 1 2 4 - 1/16" 1/8" 1/4" IN GAGE OUT OF GAGE OUT OF GAGE OUT OF GAGE 0 OTHER DULL CHARACTERISTIC (Refer to column ③ codes) 8 REASON PULLED OR RUN TERMINATED BHA CHANGE BOTTOM HOLE LIH LEFT IN HOLE HR HOURS ON BIT ASSEMBLY RIG RIG RIG REPAIR PP PUMP PRESSURE PM DMF DOWNHOLE MOTOR FAILURE CP CONDITION MUD PR PN PUMP PRESSURE DMF DOWNHOLE TOOL FAILURE CP CONDITION MUD PR PENETRATION RATE DMF DOWNHOLE TOOL FAILURE CP CONDUC TO			A linear scale est	imating bearing life used	•	E	SEALS I	EFFECTIVE		X	FIXED CUTTER	1					
• pailine used (No bearing intelett.) N NOT ABLE TO GRADE (6) GAGE (Measure in sixteenths of an inch) 1 2 4 - 1/16" 1/8" 1/16" 1/8" 1/4" N GAGE OUT OF GAGE OUT OF GAGE OUT OF GAGE OUT OF GAGE (7) OTHER DULL CHARACTERISTIC (Refer to column (2) codes) (8) REASON PULLED OR RUN TERMINATED (9) POMP PRESSURE		0 No life used				F	SEALS I	FAILED	DE	(BEARINGLESS)							
Image: Second state of the second s			 All life use 	ea (No bearing lite left.)		IN INOT ABLE TO GKADE											
0 1 2 4 - 1/16" 1/8" 1/4" N GAGE OUT OF GAGE OUT OF GAGE OUT OF GAGE O THER DULL CHARACTERISTIC (Refer to column ③ codes) ⑧ REASON PULLED OR RUN TERMINATED ⑧HA CHANGE BOTTOM HOLE LIH LEFT IN HOLE HR HOURS ON BIT ASSEMBLY RIG RIG RIG REPAIR PP PUMP PRESSURE DMF DOWNHOLE MOTOR FAILURE CM CONDITION MUD PR PENETRATION RATE DTF DOWNHOLE MOTOR FAILURE CP CORP OINT TD TO TOTAL DEPTH / CASING DEPTH DSF DRILL STEIN G FAILURE DP DRILL PLUG TQ TQQUE DST DRILL STEIN TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS		6	GAGE	(Measure in sixte	enths of a	n inch)											
In GAGE 1/16" 1/8" 1/4" OUT OF GAGE OUT OF GAGE OUT OF GAGE O THER DULL CHARACTERISTIC (Refer to column ③ codes) ⑧ REASON PULLED OR RUN TERMINATED BHA CHANGE BOTTOM HOLE LIH LEFT IN HOLE HR HOURS ON BIT ASSEMBLY RIG RIG REPAIR PP PUMP PRESSURE DMF DOWNHOLE MOTOR FAILURE CM CONDITION MUD PR PENETRATION RATE DTF DOWNHOLE TOOL FAILURE CP CORE POINT TD TOTAL DEPTH / CASING DEPTH DSF DRILL STEIN GFAILURE DP DRILL PLUG TQ TOQUE DST DRILL STEIN TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS				0	1			2		4							
IN GAGE OUT OF GAGE OUT OF GAGE OUT OF GAGE ⑦ OTHER DULL CHARACTERISTIC (Refer to column ③ codes) ⑧ REASON PULLED OR RUN TERMINATED BHA CHANGE BOTTOM HOLE LIH LEFT IN HOLE BHA CHANGE BOTTOM HOLE RIG RIG REPAIR PP PUMP PRESSURE DMF DOWNHOLE MOTOR FAILURE CP CODITION MUD PR PENETRATION RATE DTF DOWNHOLE TOOL FAILURE CP CORE POINT DSF DRILL STRING FAILURE DP DRILL PLUG TQ DST DRILL STRING FAILURE DP DRILL PLUG TQ TORQUE DST DRILL STEM TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS		- 1/						1/8"			1						
⑦ OTHER DULL CHARACTERISTIC (Refer to column ③ codes) ⑧ REASON PULLED OR RUN TERMINATED BHA CHANGE BOTTOM HOLE ASSEMBLY RIG RIG REPAIR PP PUMP PRESSURE DMF DOWNHOLE MOTOR FAILURE CP CONDITION MUD PR PENETRATION RATE DTF DOWNHOLE TOOL FAILURE CP CORE POINT TD TOTAL DEPTH / CASING DEPTH DSF DRILL STRING FAILURE DT DP DST DRILL STEM TEST LOG RUN LOGS			IN G	GAGE	E	0	UT OF GAC	θE	OU	T OF GAGE	I						
Image: Second Public Display="block">Image: Second Display="block">Second Display="block">Second Display="block"/>Second Display="block"/>Secon		⑦ OTHER DULL CHARACTERISTIC (Refer to column ③ codes)															
BHA CHANGE BOTTOM HOLE LIH LEFT IN HOLE HR HOURS ON BIT ASSEMBLY RIG RIG REPAIR PP PUMP PRESSURE DMF DOWNHOLE MOTOR FAILURE CM CONDITION MUD PR PENETRATION RATE DTF DOWNHOLE TOOL FAILURE CP CORE POINT TD TOTAL DEPTH / CASING DEPTH DSF DRILL STRING FAILURE DP DRILL PLUG TQ TORQUE DST DRILL STEM TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS		⑧ REASON PULLED OR RUN TERMINATED															
ASSEMBLYRIGRIG REPAIRPPPUMP PRESSUREDMFDOWNHOLE MOTOR FAILURECMCONDITION MUDPRPENETRATION RATEDTFDOWNHOLE TOOL FAILURECPCORE POINTTDTOTAL DEPTH / CASING DEPTHDSFDRILL STRING FAILUREDPDRILL PLUGTQTORQUEDSTDRILL STEM TESTFMFORMATION CHANGETWTWIST OFFLOGRUN LOGSHPHOLE PROBLEMSWCWEATHER CONDITIONS	Γ	BHA	CHANGE BOTTOM	HOLE	LIH	LIH LEFT IN HOLE HR					HOURS ON BIT						
DMF DOWNHOLE MOTOR FAILURE CM CONDITION MUD PR PENETRATION RATE DTF DOWNHOLE TOOL FAILURE CP CORE POINT TD TOTAL DEPTH/CASING DEPTH DSF DRILL STRING FAILURE DP DRILL PLUG TQ TORQUE DST DRILL STEM TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS	Ļ	D1/-	ASSEMBLY		RIG	RIG REPAIR PP				PUMP PRESSURE							
Diff Downtole fool failure OF CORE POINT ID ID IDTAL DEPTH/CASING DEPTH DSF DRILL STRING FAILURE DP DRILL PLUG TQ TORQUE DST DRILL STEM TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS	┢	DMF	DOWNHOLE MOTO	DR FAILURE	CM CP	CONDITION M	UD		PR TD	PENETRA	TION RATE						
DST DRILL STEM TEST FM FORMATION CHANGE TW TWIST OFF LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS	┢	DIF	DOWNHOLE TOOL DRILL STRING FAI	LURE	DP	DRILL PLUG			TO	TOTAL D	EF 1H / CASING DEPTH						
LOG RUN LOGS HP HOLE PROBLEMS WC WEATHER CONDITIONS	ŀ	DST	DRILL STEM TEST		FM	FORMATION C	CHANGE		TW	TWIST O	F _						
	Ľ	LOG	RUN LOGS		HP	HOLE PROBLE	EMS		WC	WEATHE	R CONDITIONS						