

WELL	Dunbar 1 DW1	24:00 DEPTH	1178 m	24 HR PROG	1178 m	CUM. COSTS	\$337,785
RIG	OD & E Rig 30	FORMATION		PTD	1622 m	DAILY COSTS	\$337,784.94
OP's TO 06:00	Nipple up BOPs, Rig move 7 km						
REMARKS:	BOP stack too large for "B" section hookup, need to modify flowline severely, hopefully can procede with this stackup						
LAST CASING	7"	SET AT	1209.8 m	LOT		MAASP	
		BOP TEST	NIL	TEST DUE			
AFD's: 136	SAFETY	1. Prespud operations and environmental guidelines 2.				WEATHER AM	Overcast, bleak
						PM	As above

BIT INFORMATION				BHA # 1		MUD PROPERTIES		OPERATION	HRS	CUM
WOB(kLb)		JET V (fps)		TOOL	LENGTH	Time		1. Air Rig up		
RPM		HSI				Depth (m)		2. Casing		
BIT NUMBER						Temp (° C)		3. Cementing		
Size (in)						Mud Type		4. Circ & Condition		
Make						Density (ppg)		5. Coring		
Type						ECD (ppg)		6. Drill Out		
IADC Code						Viscosity (sec)		7. Drilling		
Serial Number						PV / YP (cp/lb)		8. Handle BHA		
Nozzles						Gells (s/m)		9. LOT / FIT		
Depth In (m)						API Filt. (cc)		10. Nipple up BOP's	8.0	8.0
Depth Out (m)						Cake (/32")		11. P & A		
Total Metres						Solids (% Vol)		12. Repairs		
Hours						Sand (% Vol)		13. Rig Service		
ROP						MBT		14. Safety		
Condition Out						pH (strip)		15. Survey		
FLOW DATA				BHA LENGTH (m)		Chlorides (mg/l)		16. Test BOP		
CIRC. RATE (gpm)				BHA WEIGHT(kLb)		KCL (%)		17. Tight hole / Fishing		
AV - DP (fpm)				STRING WT (kLb)		PHPA (ppb)		18. Tripping		
AV - DC (fpm)				HOOK LOAD (kLb)		ALC - 50 (K)		19. Wait on Cement		
SPP (psi)				WT BELOW JARS (kLb)		Circ. Vol. (Bbl)		20. Wash / Ream		
SPP (calculated)				DRAG UP (kLb)		CHEMICAL USAGE		21. Well Control		
				DRAG DOWN (kLb)		PAC-R		22. Well Test		
PUMP #1		PUMP #2		TORQUE ON (Amps/Rel.)		2		23. Wiper Trip		
Gardner Denver				TORQUE OFF (Amps/Rel.)				24. Wireline		
RATE		RATE		ENVIRONMENTAL DATA						
LINER 5.5"		LINER 5.5"		FUEL ON SITE 11500 litres						
STROKE 8.0"		STROKE 8.0"		DAILY USAGE 4000 litres						
				CUM. FUEL USED 4000 litres						
SURVEYS				CUM. MUD MIXED						
				CUM. MUD LOSSES						
				CUM. GEL						
				CUM. BARITES						
								TOTALS	8.0	8.0
								DAILY MUD COSTS		\$348.94
								CUM. MUD COSTS		\$348.94
								AFE COST - C&S		\$1,004,235
								AFE COST - P&A		\$897,635
								AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	Description
0:00	16:00	General rigup, drill rathole and mousehole, prespud safety meeting and rig inspection carried out
16:00	0:00	Nipple down 2 9/16" x 3000 psi valve and bonnet (bonnet stamped 5000 psi but appears to be 3000 psi)
SUPERVISOR: Barry Beetson		
GEOLOGIST: Doug Short		
MUD CO: HALLIBURTON		

DAILY DRILLING REPORT

21/03/01

REPORT # 3

WELL	Dunbar 1 DW 1	24:00 DEPTH	1217m	24 HR PROG	2m	CUM. COSTS	\$450,450				
RIG	OD&E # 30	FORMATION	Paaratte	PTD	1622m	DAILY COSTS	\$47,466.17				
OP's TO 06:00	Directionally drilling at 1236m										
REMARKS:	Kickoff went OK										
LAST CASING	7 "	SET AT	1209.8m	LOT	10.1ppg	MAASP	300psi	BOP TEST	20/03/01	TEST DUE	03/04/01
AFD's: 463	SAFETY	1. Handling tubulars 2. wireline					WEATHER AM	Overcast raining	PM	Overcast raining	

BIT INFORMATION				BHA # 2		MUD PROPERTIES		OPERATION	HRS	CUM
WOB(kLb)	2	JET V(fps)	204	TOOL	LENGTH	Time	2400	1. Air Rig up		
RPM	105	H S I	1.40	Bit	0.25	Depth (m)	1217	2. Casing		
BIT NUMBER	1			4 3/4" Motor, 1.15 Str	5.96	Temp (° C)		3. Cementing		
Size (in)	6.0			Float Sub	0.76	Mud Type	KCL/PHPA	4. Circ & Condition	2.5	2.5
Make	HTC			5.5" String Stabilizer	1.52	Density (ppg)	8.60	5. Coring		
Type	STR-09D			NonMag Dbl Pin Sub	0.63	ECD (ppg)		6. Drill Out	2.5	2.5
IADC Code	437			Hang Off Collar	9.56	Viscosity (sec)	50	7. Drilling	1.5	1.5
Serial Number	B09ZW			4 3/4" UBHO Sub	0.59	PV / YP (cp/lb)		8. Handle BHA	2.0	2.0
Nozzles	12,12,12			Pony Flex NM DC	6.19	Gells (s/m)		9. LOT / FIT		
Depth In (m)	1215			27 x HWDP	251.60	API Filt. (cc)		10. Nipple up BOP's		19.5
Depth Out (m)	IN			Dailey Jars	9.09	Cake (/32")		11. P & A		
Total Metres	2			8 x HWDP	73.27	Solids (% Vol)		12. Repairs		2.0
Hours	1.5					Sand (% Vol)		13. Rig Service		
ROP	1.3					MBT		14. Safety		
Condition Out				BHA LENGTH (m)	359.42	pH (strip)	10	15. Survey	4.5	4.5
FLOW DATA				BHA WEIGHT(kLb)	24.4	Chlorides (mg/l)		16. Test BOP	2.0	5.5
CIRC. RATE (gpm)	211			STRING WT (kLb)	65.6	KCL (%)	4	17. Tight hole / Fishing		
AV - DP (fpm)	193			HOOK LOAD (kLb)	70.0	PHPA (ppb)		18. Tripping	7.0	12.0
AV - DC (fpm)	193			WT BELOW JARS (kLb)		ALC - 50 (K)		19. Wait on Cement		
SPP (psi)	1100			DRAG UP (kLb)	1.0	Circ. Vol. (Bbl)	600	20. Wash / Ream		
SPP (calculated)				DRAG DOWN (kLb)	1.0	CHEMICAL USAGE		21. Well Control		
PUMP #1		PUMP #2		TORQUE ON (Amps/Rel.)		Barite	10	22. Well Test		
GD PZ-8		GD PZ-8		TORQUE OFF (Amps/Rel.)		KCL	35	23. Wiper Trip		
RATE	90	RATE		ENVIRONMENTAL DATA		PAC-R	2	24. Wireline		
LINER	5.5"	LINER	5.5"	FUEL ON SITE	19000 Litres	PHPA - DP	4	25. Other	2.0	4.0
STROKE	8.0"	STROKE	8.0"	DAILY USAGE	3500 Litres			TOTALS	24.0	56.0
				CUM. FUEL USED	9500 Litres			DAILY MUD COSTS		\$1,426.17
SURVEYS				CUM. MUD MIXED	600 Bbls			CUM. MUD COSTS		\$6,743.93
0.29;38.4° at 300m		1.4;97.1° at 1205.9m		CUM. MUD LOSSES				EST. COST - C&S		\$1,004,235
.25;44.78° at 600m				CUM. GEL				EST. COST - P&A		\$897,635
.5;61.37° at 900m				CUM. BARITES	250 kg			EST. COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	2:00	Pickup Cleanout string and RIH
2:00	3:30	Remove kelly spinner and tighten connections, replace spinner
3:30	4:00	Tighten bell nipple and dresser sleeve, (fix flow line leaks)
4:00	5:00	Wash cement contaminated mud to 1159m, and circulate
5:00	7:00	Pressure test pipe rams, 2 x kill, 2 x HCR, Upper and lower kelly cocks to 250psi and 2500psi,
7:00	7:30	Wash cement contaminated mud to 1173m top of cement plug
7:30	10:00	Drill out cement plug to 1215m
10:00	11:00	Displace hole to mud, pump slug
11:00	13:00	POH for Kickoff assembly
13:00	15:00	Pickup steering assembly and test MWD and motor
15:00	17:30	RIH to 1209m
17:30	18:00	Layout excess drillpipe in derrick
18:00	22:30	Safety meeting, rigup gyro and survey and orient tool facing
22:30	0:00	Kickoff at 1215m and time drill to 1217m

SUPERVISOR: Barry Beetson	GEOLOGIST: Doug Short	MUD CO: HALLIBURTON
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Dunbar 1 DW 1 REPORT #3

DAILY DRILLING REPORT

22/03/01

REPORT # 4

WELL	Dunbar 1 DW 1	24:00 DEPTH	1395m	24 HR PROG	178m	CUM. COSTS	\$500,005	
RIG	OD&E # 30	FORMATION	Belfast	PTD	1622m	DAILY COSTS	\$49,554.95	
OP's TO 06:00	Directionally drilling at 1457m							
REMARKS:	Should intersect Waarre at 0900hrs aprx							
LAST CASING	7 "	SET AT	1209.8m	LOT	10.1ppg	MAASP	269psi	
		BOP TEST	20/03/01	TEST DUE	03/04/01			
AFD's: 464	SAFETY	1. Blow out prevention 2. Blowout prevention					WEATHER AM	Overcast, raining
						PM	Overcast, showers	

BIT INFORMATION				BHA # 2		MUD PROPERTIES		OPERATION	HRS	CUM
WOB(kLb)	15	JET V(fps)	238	TOOL	LENGTH	Time	2400	1. Air Rig up		
RPM	165	H S I	2.26	Bit	0.25	Depth (m)	1395	2. Casing		
BIT NUMBER	1			4 3/4" Motor, 1.15 Str	5.96	Temp (° C)		3. Cementing		
Size (in)	6.0			Float Sub	0.76	Mud Type	KCL/PHPA	4. Circ & Condition		2.5
Make	HTC			5.5" String Stabilizer	1.52	Density (ppg)	8.75	5. Coring		
Type	STR-09D			NonMag Dbl Pin Sub	0.63	ECD (ppg)	9.46	6. Drill Out		2.5
IADC Code	437			Hang Off Collar	9.56	Viscosity (sec)	48	7. Drilling	20.5	22.0
Serial Number	BO9ZW			4 3/4" UBHO Sub	0.59	PV / YP (cp/lb)	15 / 20	8. Handle BHA		2.0
Nozzles	12,12,12			Pony Flex NM DC	6.19	Gells (s/m)	2 / 4	9. LOT / FIT		
Depth In (m)	1215			27 x HWDP	251.60	API Filt. (cc)	8	10. Nipple up BOP's		19.5
Depth Out (m)	IN			Dailey Jars	9.09	Cake (/32")	1	11. P & A		
Total Metres	180			8 x HWDP	73.27	Solids (% Vol)	1	12. Repairs		2.0
Hours	22					Sand (% Vol)	tr	13. Rig Service	0.5	0.5
ROP	8.2					MBT		14. Safety		
Condition Out				BHA LENGTH (m)	359.42	pH (strip)	9.5	15. Survey	2.5	7.0
FLOW DATA				BHA WEIGHT(kLb)	24.3	Chlorides (mg/l)	20000	16. Test BOP		5.5
CIRC. RATE (gpm)	246			STRING WT (kLb)	74.0	KCL (%)	4.1	17. Tight hole / Fishing		
AV - DP (fpm)	127			HOOK LOAD (kLb)	75.0	PHPA (ppb)	1.5	18. Tripping		12.0
AV - DC (fpm)	225			WT BELOW JARS (kLb)		ALC - 50 (K)	100	19. Wait on Cement		
SPP (psi)	2000			DRAG UP (kLb)	4.0	Circ. Vol. (Bbl)	545	20. Wash / Ream		
SPP (calculated)	1650			DRAG DOWN (kLb)	4.0	CHEMICAL USAGE		21. Well Control		
PUMP #1		PUMP #2		TORQUE ON (Amps/Rel.)	450	AQUAGEL	15	22. Well Test		
GD PZ-8		GD PZ-8		TORQUE OFF (Amps/Rel.)	250	PAC-R	5	23. Wiper Trip		
RATE	105	RATE		ENVIRONMENTAL DATA				24. Wireline		
LINER	5.5"	LINER	5.5"	FUEL ON SITE	16000 Litres			25. Other	0.5	4.5
STROKE	8.0"	STROKE	8.0"	DAILY USAGE	3000 Litres			TOTALS	24.0	80.0
SCR: 380 @ 60		SCR: 630 @ 60		CUM. FUEL USED	12500 Litres			DAILY MUD COSTS		\$1,022.95
SURVEYS				CUM. MUD MIXED	625 Bbls			CUM. MUD COSTS		\$7,766.88
8.1;327.7° at 1253m		28.7;317.9° at 1446.7m		CUM. MUD LOSSES	10 Bbls			EST. COST - C&S		\$1,004,235
17.6;314.2° at 1311.4m				CUM. GEL	375 kg			EST. COST - P&A		\$897,635
28.6;314.4° at 1378.4m				CUM. BARITES	250 kg			EST. COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	2:00	Directionally drill 6" hole to 1221m
2:00	2:30	Conduct FIT to 10.0ppg equivalent
2:30	3:30	Directionally drill 6" hole to 1231m
3:30	5:30	Run Gyro check shot
5:30	7:30	Directionally drill to 1250m
7:30	8:00	Rig down Reeves Logging Sheaves
8:00	11:30	Directionally drill 6" hole to 1278m
11:30	12:00	Rig service
12:00	0:00	Directionally drill 6" hole to 1395m

SUPERVISOR: Barry Beetson	GEOLOGIST: Doug Short	MUD CO: HALLIBURTON
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DAILY DRILLING REPORT

24/03/01

REPORT # 6

WELL	Dunbar 1 DW 1	24:00 DEPTH	1636m	24 HR PROG		CUM. COSTS	\$618,046				
RIG	OD&E # 30	FORMATION	Eumeralla	PTD	1622m	DAILY COSTS	\$68,322.67				
OP's TO 06:00	Running 2 7/8" production tubing										
REMARKS:	Incorrect 2 7/8" elevators on location, awaiting elevators										
LAST CASING	7 "	SET AT	1209.8m	LOT	10.1ppg	MAASP	197psi	BOP TEST	20/03/01	TEST DUE	03/04/01
AFD's: 466	SAFETY	1. Radioactive sources 2. Layout drillstring					WEATHER AM	Overcast, showers	PM	Fine, cool	

BIT INFORMATION				BHA # 3		MUD PROPERTIES		OPERATION	HRS	CUM
WOB(kLb)		JET V(fps)		TOOL	LENGTH	Time	1730	1. Air Rig up		
RPM		HSI		Bit	0.25	Depth (m)	1636	2. Casing		
BIT NUMBER				Bit Sub	0.92	Temp (° C)		3. Cementing		
Size (in)				27 x 3.5" HWDP	251.60	Mud Type	KCL/PHPA	4. Circ & Condition	2.0	5.0
Make				Drilling Jars	9.09	Density (ppg)	9.10	5. Coring		
Type				8 x 3.5" HWDP	73.27	ECD (ppg)		6. Drill Out		2.5
IADC Code						Viscosity (sec)	47	7. Drilling		45.0
Serial Number						PV / YP (cp/lb)	17 / 22	8. Handle BHA	1.5	3.5
Nozzles						Gells (s/m)	2 / 4	9. LOT / FIT		
Depth In (m)						API Filt. (cc)	6.5	10. Nipple up BOP's		19.5
Depth Out (m)						Cake (/32")	1	11. P & A		
Total Metres						Solids (% Vol)	3.5	12. Repairs		2.0
Hours						Sand (% Vol)	tr	13. Rig Service		0.5
ROP						MBT		14. Safety		
Condition Out				BHA LENGTH (m)	335.13	pH (strip)	9.5	15. Survey		7.0
FLOW DATA				BHA WEIGHT(kLb)	21.2	Chlorides (mg/l)	19000	16. Test BOP		5.5
CIRC. RATE (gpm)				STRING WT (kLb)	72.0	KCL (%)	4	17. Tight hole / Fishing		
AV - DP (fpm)				HOOK LOAD (kLb)	83.0	PHPA (ppb)	1.5	18. Tripping	11.0	23.0
AV - DC (fpm)				WT BELOW JARS (kLb)	15.5	ALC - 50 (K)	100	19. Wait on Cement		
SPP (psi)		1200		DRAG UP (kLb)	5.0	Circ. Vol. (Bbl)	545	20. Wash / Ream		
SPP (calculated)				DRAG DOWN (kLb)	5.0	CHEMICAL USAGE		21. Well Control		
PUMP #1		PUMP #2		TORQUE ON (Amps/Rel.)		AQUAGEL	5	22. Well Test		
GD PZ-8		GD PZ-8		TORQUE OFF (Amps/Rel.)		Barite	40	23. Wiper Trip	1.5	2.0
RATE		RATE		ENVIRONMENTAL DATA		PAC-R	1	24. Wireline	7.0	7.0
LINER	5.5"	LINER	5.5"	FUEL ON SITE	10000 Litres			25. Other	1.0	5.5
STROKE	8.0"	STROKE	8.0"	DAILY USAGE	2500 Litres			TOTALS	24.0	128.0
				CUM. FUEL USED	18500 Litres			DAILY MUD COSTS		\$562.67
				CUM. MUD MIXED	685 Bbls			CUM. MUD COSTS		\$10,938.67
				CUM. MUD LOSSES	20 Bbls			EST. COST - C&S		\$1,004,235
				CUM. GEL	500 kg			EST. COST - P&A		\$897,635
				CUM. BARITES	5625 kg			EST. COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	1:30	Cont wiper trip, hole intermittently tight on trip out max o/pull 20k, RIH, hole OK
1:30	2:30	Circulate and condition hole
2:30	5:30	Flow check, pump pill and POH
5:30	7:00	Break and layout Directional assembly
7:00	13:30	Safety meeting, Logging with Reeves wireline, Ran Resistivity and Density logs with G/ray and Calipers
13:30	14:00	Rig down Reeves Logging Sheaves
14:00	17:00	Makeup cleanout BHA and RIH
17:00	18:00	Break circulation and tag bottom, Circulate and condition mud
18:00	19:30	Flowcheck, pump slug, layout drillstring
19:30	20:30	Service break kelly
20:30	0:00	Layout drill string

SUPERVISOR: Barry Beeton	GEOLOGIST: Doug Short	MUD CO: HALLIBURTON
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