## APACHE CORPORATION

**Daily Drilling Report** 

Page 1 of 4

DNS: Circula Drilled 406 POH, L/D 0 Land & cen	INC 0.52° ating with Sea Smm (16") hol directional too ment casing, b	) D NAME DFISH WELL SUPERVIS PAT BROWN / K DISTRICT OFFSHORE AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200	OR (ERRY PARKE) 29,143,786 29,143,786 29,143,786 FETY MEETING 18 4.62° menting. 1551m (casing 19 tools, R/U &	BLOCK R BLOCK Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOF	TTOTAL BHOE TEST (EMW shoe TEST (EMW shoe 15 stand wij 40mm (13 3/8") ca	.: 933,48 /) LAS 762. per trip, cir asing to 11	ED DOV days) C F F DOV F F T CASI 0000 mr c hole	50.99 (m) W D A DIM ROD DOTSO ORMATION NTRA-GOLDI NG n @ 461.0 m	EN BEACH	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	s: L: 5,122,5 EXT CASING 11.000 mm (	REP           5           si)   STS           517           517           9	11-2008 T NO WATER DEPTI 392.61 (m) PBTMD RIG FAX NO A HRS OF SERV 0.00 46.0 m
ATION WEL ELEVATION .50 (m) I3 (m)	INC 0.52° ating with Sea Smm (16") hold directional too ment casing, b	) D NAME DFISH WELL SUPERVIS PAT BROWN / K DISTRICT OFFSHORE AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementin back out running to	0R (ERRY PARKE) 29,143,786 29,143,786 29,143,786 FETY MEETING 8 4.62° nenting. 1551m (casing ng tools, R/U & ol, POH, Rig up	BLOCK R BLOCK Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOF	95.00 (m)  STATE / PROV VICTORIA  DAILY DHC: DCC: CWC: Others: TOTAL  CHOE TEST (EMM  rmed 15 stand wij 40mm (13 3/8") ca 2.	27.63 ( COSTS 933,45 .: 933,45 .: 935 .: 935	1,55 ED DO days) F F 	50.99 (m) W D A DIM ROD DOTSO ORMATION NTRA-GOLDI NG n @ 461.0 m	.08 (days) N	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	2.46 (days RONE NO 38 5640 ILATIVE COS 5,122,5 S: L: 5,122,5 EXT CASING 11.000 mm (	5 <b>STS</b> 517 517 517 517 517 517 517 517	WATER DEPTH 392.61 (m) PBTMD RIG FAX NO
ATION WEL ELEVATION .50 (m) I3 (m)		DFISH WELL SUPERVIS PAT BROWN / K DISTRICT OFFSHORE AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir back out running to	OR ERRY PARKE 29,143,786 29,143,786 29,143,786 FETY MEETING 18 4.62° nenting. 1551m (casing 19 tools, R/U & ol, POH, Rig up	R BLOCK Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOF	95.00 (m)  STATE / PROV VICTORIA  DAILY DHC: DCC: CWC: Others: TOTAL  CHOE TEST (EMM  rmed 15 stand wij 40mm (13 3/8") ca 2.	27.63 ( COSTS 933,45 .: 933,45 .: 935 .: 935	ED DOV days) C F F DOV F F T CASI 0000 mr c hole	ORMATION NG n @ 461.0 m	.08 (days) N	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	2.46 (days RONE NO 38 5640 ILATIVE COS 5,122,5 S: L: 5,122,5 EXT CASING 11.000 mm (	s) STS 517 517 19 3 @ 1,54	392.61 (m) PBTMD RIG FAX NO
ATION WEL ELEVATION .50 (m) I3 (m)	INC 0.52° ating with Sea Smm (16") hol directional too ment casing, b	DEFISH WELL SUPERVIS PAT BROWN / K DISTRICT OFFSHORE AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementin wack out running to	29,143,786 29,143,786 29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	BLOCK Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOF	95.00 (m)  STATE / PROV VICTORIA  DAILY DHC: DCC: CWC: Others: TOTAL  CHOE TEST (EMM  rmed 15 stand wij 40mm (13 3/8") ca 2.	27.63 ( COSTS 933,45 .: 933,45 .: 935 .: 935	days)	ORMATION NTRA-GOLDI NG n @ 461.0 m	.08 (days) N	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	2.46 (days RONE NO 38 5640 ILATIVE COS 5,122,5 S: L: 5,122,5 EXT CASING 11.000 mm (	STS 517 517 19 3 @ 1,54	392.61 (m) PBTMD RIG FAX NO
ATION WEL ELEVATION .50 (m) I3 (m)	INC 0.52° ating with Sea Smm (16") hol directional too ment casing, b	WELL SUPERVIS PAT BROWN / K DISTRICT OFFSHORE AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir teack out running to	29,143,786 29,143,786 29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	R BLOCK Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOF	STATE / PROV VICTORIA DAILY DHC: DCC: CWC: Others: TOTAL SHOE TEST (EMM rmed 15 stand wij 40mm (13 3/8") ca	COSTS         933,45           933,45         933,45           .:	G     F     F     F     F     F     T     CASI     O00 mr     c hole	ORMATION NTRA-GOLDI NG n @ 461.0 m	N EN BEACH	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	IONE NO 38 5640 ILATIVE COS 5,122,5 S: L: 5,122,5 EXT CASING 11.000 mm (	STS 517 517 19 3 @ 1,54	PBTMD RIG FAX NO A HRS OF SERV
ATION WEL ELEVATION .50 (m) I3 (m)	LL. INC 0.52° ating with Sea 5mm (16") hol directional too ment casing, b Phase	PAT BROWN / K DISTRICT OFFSHORE AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir teack out running to	29,143,786 29,143,786 29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	B BLOCK Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOF	VICTORIA DAILY DHC: DCC: CWC: Others: TOTAL	933,49 .: 933,49 7) LAS 762. Deer trip, cir asing to 11	92 92 7 CASI 000 mr c hole	ORMATION NTRA-GOLDI NG n @ 461.0 m	EN BEACH	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	38 5640 <b>ILATIVE COS</b> 5,122,5 S: <u>L: 5,122,5</u> <b>EXT CASING</b> 11.000 mm (	517 517 19 3 @ 1,54	RIG FAX NO
SO (m) 3 (m) 3 (m) SS: Circula Drilled 406 POH, L/D 0 Land & cen HRS	LL. INC 0.52° ating with Sea Smm (16") hol directional too ment casing, b Phase	OFFSHORE  AFE COSTS DHC: DCC: CWC: Others: TOTAL:  LAST SAI 29/11/200  AZM Water prior to cer le from 1478m to ols, M/U cementir back out running to	29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOP	VICTORIA DAILY DHC: DCC: CWC: Others: TOTAL	933,49 .: 933,49 7) LAS 762. Deer trip, cir asing to 11	92 Fi IN T CASI 000 mr	NTRA-GOLD! NG n @ 461.0 m	EN BEACH	(08) 93: CUMU DHC: DCC: CWC: Others TOTAI	38 5640 <b>ILATIVE COS</b> 5,122,5 S: <u>L: 5,122,5</u> <b>EXT CASING</b> 11.000 mm (	517 517 19 3 @ 1,54	A HRS OF SERV 0.00
SO (m) 3 (m) 3 (m) SS: Circula Drilled 406 POH, L/D 0 Land & cen HRS	LL. INC 0.52° ating with Sea Smm (16") hol directional too ment casing, b Phase	AFE COSTS DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir teack out running to	29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOP	TITIENDE TEST (EMV ANDE TEST (EMV SHOE TEST (EMV ADDMM (13 3/8") ca P.	933,49 .: 933,49 7) LAS 762. Deer trip, cir asing to 11	92 Fi IN T CASI 000 mr	NTRA-GOLD! NG n @ 461.0 m		CUMU DHC: DCC: CWC: Others TOTAI	ILATIVE COS           5,122,5           S:           L:         5,122,5           EXT CASING           11.000 mm (	517 517 19 3 @ 1,54	9.00
SO (m) 3 (m) 3 (m) SS: Circula Drilled 406 POH, L/D 0 Land & cen HRS	INC 0.52° ating with Sea 5mm (16") hol directional too ment casing, b Phase	DHC: DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir wack out running to	29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOP	TOTAL BHOE TEST (EMW shoe TEST (EMW shoe Test (a stand wij 40mm (13 3/8") ca 2.	933,49 .: 933,49 7) LAS 762. Deer trip, cir asing to 11	92 Fi IN T CASI 000 mr	NTRA-GOLD! NG n @ 461.0 m		DHC: DCC: CWC: Others TOTAI	5,122,5 s: L: 5,122,5 EXT CASING 11.000 mm (	517 517 19 3 @ 1,54	9.00
SO (m) 3 (m) 3 (m) SS: Circula Drilled 406 POH, L/D 0 Land & cen HRS	INC 0.52° ating with Sea 5mm (16") hol directional too ment casing, b Phase	DCC: CWC: Others: TOTAL: LAST SAI 29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir wack out running to	29,143,786 FETY MEETING 8 4.62° menting. 1551m (casing ng tools, R/U & ol, POH, Rig up	Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOP	CC: CWC: Others: TOTAL	.: 933,45 /) LAS 762. Deer trip, cir asing to 11	92 Fi IN T CASI 000 mr	NTRA-GOLD! NG n @ 461.0 m		DCC: CWC: Others TOTAI	s: L: 5,122,5 EXT CASING 11.000 mm (	517 BH/ 19 G @ 1,54	9.00
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.50 (m) I3 (m) I INS: Circula Drilled 406 POH, L/D G Land & cen HRS	INC 0.52° ating with Sea Smm (16") hol directional too ment casing, b Phase	29/11/200 AZM Water prior to cer le from 1478m to ols, M/U cementir vack out running to	4.62° menting. 1551m (casing ig tools, R/U & ol, POH, Rig up	Vic-P59 LAST CSG S (sg) depth), perfor RIH to with 34 p and run BOP	SHOE TEST (EMW rmed 15 stand wij 40mm (13 3/8") ca 9.	per trip, cir asing to 11	T CASI .000 mr	NTRA-GOLD! NG n @ 461.0 m		<b>NE</b> 31	11.000 mm (	19 3 @ 1,54	9.00
Drilled 406 POH, L/D C Land & cen	ating with Sea 5mm (16") hol directional too ment casing, b Phase	Water prior to cer le from 1478m to ols, M/U cementir vack out running to	nenting. 1551m (casing ng tools, R/U & ol, POH, Rig up	(sg) depth), perfor RIH to with 34 p and run BOP	rmed 15 stand wij 40mm (13 3/8") ca 9.	per trip, cir asing to 11	.000 mr	m @ 461.0 m		31	11.000 mm (	@ 1,54	46.0 m
Drilled 406 POH, L/D C Land & cen	ating with Sea 5mm (16") hol directional too ment casing, b Phase	Water prior to cer le from 1478m to ols, M/U cementir vack out running to	nenting. 1551m (casing ng tools, R/U & ol, POH, Rig up	(sg) depth), perfor RIH to with 34 p and run BOP	rmed 15 stand wij 40mm (13 3/8") ca 9.	per trip, cir asing to 11	.000 mr	m @ 461.0 m		31	11.000 mm (	@ 1,54	46.0 m
Drilled 406 POH, L/D C Land & cen	ating with Sea 5mm (16") hol directional too ment casing, b Phase	Water prior to cer le from 1478m to ols, M/U cementir vack out running to	1551m (casing ng tools, R/U & ol, POH, Rig up	depth), perfor RIH to with 34 p and run BOF	40mm (13 3/8'') ca 9.	per trip, cir asing to 11	c hole						
		Operation	PT/NPT	OPERA	TION SUMM								
		Operation	PT/NPT	-		ARY							
0.50 I			1 1/101 1	NPT CODE	s			ACTI		MARY			
	INT-DRL	DRLG	PP		Drilled 406mm (16") hole riserless from 1478m to 1551m (casing depth) Ave ROP 20 m/hr. Pumped 3.97m <sup>3</sup> (25bbls) hi-vis PHG sweeps mid-stand and 7.95m <sup>3</sup> (50bbls) hi-vis PHG spotted around BHA on connections. Good returns noted at seabed with ROV. Average parameters:WOB-31MT (70000Lbs), RPM-180, TRQ-10800Nm ( 8000ft/lbs), Flow-4258 Lpm (1125 Gpm), Pressure-29648 Kpa, (4300 psi).								
4.00 I	INT-DRL	CIRC	PP		Pumped 15.8 m3 (100bbls) hi vis sweep, spotted 31m3 (200bbls) PHG on bottom.								
1.50 I	INT-DRL	STRIP	PP		POH for wiper trip from 1551m to 1128mm. Hole slick.								
0.50 I	INT-DRL	STRIP	PP		RIH from 1128m to 1551m, precautionary washed in last stand. (no fill)								
2.00 1	INT-DRL	CIRC	PP		Circulated hole clean with 4368 lpm (1154 Gpm) whist rotating and reciprocating pipe, recorded final survey, displaced well with 208m3 (1313 bbls) 1.15 sg (9.6 ppg) PHG at 4126 Lpm (1090 Gpm).						• •		
2.50 I	INT-DRL	RIHPOH	PP		POH from 1551m to 378m, ( hole slick), jetted wellhead housing with 4940 Lpm (1305 GPM) for 5 minutes.								
1.50 I	INT-DRL	TRIPBHA	PP		Continued to POH with 406mm (16") BHA from 378m to 40m.								
		TRIPBHA	PP			, ,		,					
		CMT	PP										
		CMT	PP										
3.50 I	INT-CSG	CSG	PP		Picked up Shoe track, checked float equipment, bakerlocked connections, installed guide ropes 4 m above shoe. Run casing as per tally installing total of 8 centralizers filling casing every joint. Stabbed into 30" housing at 20:15 hrs ( observed with ROV). RIH to 508mm (20") shoe at 460m.							g	
3.50 I	INT-CSG	CSG	PP		observed. Tota Note: Disconne	l of 87 join cted Powe	ts run p er from	lus shoe join Sperry direct	ts. ional unit &			-	-
	2.00 2.50 1.50 0.50 2.00 3.50 3.50	2.00     INT-DRL       2.50     INT-DRL       1.50     INT-DRL       1.50     INT-DRL       0.50     INT-CSG       2.00     INT-CSG       3.50     INT-CSG	2.00INT-DRLCIRC2.50INT-DRLRIHPOH1.50INT-DRLTRIPBHA1.50INT-DRLTRIPBHA0.50INT-CSGCMT0.50INT-CSGCMT2.00INT-CSGCSG3.50INT-CSGCSG	2.00INT-DRLCIRCPP2.50INT-DRLRIHPOHPP1.50INT-DRLTRIPBHAPP0.50INT-CSGCMTPP0.50INT-CSGCMTPP2.00INT-CSGCSGPP3.50INT-CSGCSGPP3.50INT-CSGCSGPP	2.00INT-DRLCIRCPP2.50INT-DRLRIHPOHPP1.50INT-DRLTRIPBHAPP1.50INT-DRLTRIPBHAPP0.50INT-CSGCMTPP0.50INT-CSGCSGPP2.00INT-CSGCSGPP3.50INT-CSGCSGPP3.50INT-CSGCSGPP	2.00INT-DRLCIRCPPCirculated hole recorded final s 4126 Lpm (1002.50INT-DRLRIHPOHPPPOH from 155 GPM) for 5 min1.50INT-DRLTRIPBHAPPContinued to P1.50INT-DRLTRIPBHAPPPOH from 40m0.50INT-CSGCMTPPPOH from 40m0.50INT-CSGCMTPPMade up Weath2.00INT-CSGCSGPPHeld pre-job sa3.50INT-CSGCSGPPPicked up Shoe ropes 4 m abox casing every jo 508mm (20") st3.50INT-CSGCSGPPContinued to R observed. Tota Note: Discone Andrill. Rotate	2.00INT-DRLCIRCPPCirculated hole clean with recorded final survey, dis 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 401.50INT-DRLTRIPBHAPPPOH from 40m laying ou0.50INT-CSGCMTPPPOH from 40m laying ou0.50INT-CSGCMTPPMade up Weatherford cert0.50INT-CSGCSGPPHeld pre-job safety meetil3.50INT-CSGCSGPPPicked up Shoe track, chh ropes 4 m above shoe. R casing every joint. Stabbe 508mm (20") shoe at 46003.50INT-CSGCSGPPContinued to RIH with 34 observed. Total of 87 join Note: Disconnected Power Anadrill. Rotated mud log	2.00INT-DRLCIRCPPCirculated hole clean with 4368 I recorded final survey, displaced a 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m, (hole GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 406mm (the POH from 40m laying out all Spi POH from 40m laying out all Spi Picked up & L/O cement stand f0.50INT-CSGCMTPPMade up Weatherford cement he Poet for above shoe. Run casi casing every joint. Stabbed into 3 508mm (20") shoe at 460m.3.50INT-CSGCSGPPContinued to RIH with 340mm (to observed. Total of 87 joints run p Note: Disconnected Power from Anadrill. Rotated mud logging un	2.00INT-DRLCIRCPPCirculated hole clean with 4368 lpm (1154 Gp recorded final survey, displaced well with 208 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m, (hole slick), jetted GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 406mm (16") BHA fro POH from 40m laying out all Sperry tools.0.50INT-CSGCMTPPPOH from 40m laying out all Sperry tools.0.50INT-CSGCMTPPMade up Weatherford cement head & racked0.50INT-CSGCSGPPHeld pre-job safety meeting, rigged up 340mr3.50INT-CSGCSGPPPicked up Shoe track, checked float equipmer ropes 4 m above shoe. Run casing as per tall casing every joint. Stabbed into 30" housing a 508mm (20") shoe at 460m.3.50INT-CSGCSGPPContinued to RIH with 340mm (13 3/8") casin observed. Total of 87 joints run plus shoe join Note: Disconnected Power from Sperry direct Anadrill. Rotated mud logging unit 180 degree	2.00INT-DRLCIRCPPCirculated hole clean with 4368 lpm (1154 Gpm) whist ro recorded final survey, displaced well with 208m3 (1313 b 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m, (hole slick), jetted wellhead f GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 406mm (16") BHA from 378m to 1.501.50INT-DRLTRIPBHAPPPOH from 40m laying out all Sperry tools.0.50INT-CSGCMTPPPicked up & L/O cement stand from derrick.0.50INT-CSGCMTPPMade up Weatherford cement head & racked back in der 2.000.50INT-CSGCSGPPHeld pre-job safety meeting, rigged up 340mm (13 3/8")3.50INT-CSGCSGPPPicked up Shoe track, checked float equipment, bakerloor ropes 4 m above shoe. Run casing as per tally installing casing every joint. Stabbed into 30" housing at 20:15 hrs 508mm (20") shoe at 460m.3.50INT-CSGCSGPPContinued to RIH with 340mm (13 3/8") casing from 460 observed. Total of 87 joints run plus shoe joints. Note: Disconnected Power from Sperry directional unit & Anadrill. Rotated mud logging unit 180 degrees.	2.00INT-DRLCIRCPPCirculated hole clean with 4368 lpm (1154 Gpm) whist rotating a recorded final survey, displaced well with 208m3 (1313 bbls) 1.1 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m, (hole slick), jetted wellhead housing GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 406mm (16") BHA from 378m to 40m.1.50INT-DRLTRIPBHAPPPOH from 40m laying out all Sperry tools.0.50INT-CSGCMTPPPicked up & L/O cement stand from derrick.0.50INT-CSGCMTPPMade up Weatherford cement head & racked back in derrick.2.00INT-CSGCSGPPHeld pre-job safety meeting, rigged up 340mm (13 3/8") casing3.50INT-CSGCSGPPPicked up Shoe track, checked float equipment, bakerlocked cor ropes 4 m above shoe. Run casing as per tally installing total of casing every joint. Stabbed into 30" housing at 20:15 hrs ( obser 508mm (20") shoe at 460m.3.50INT-CSGCSGPPContinued to RIH with 340mm (13 3/8") casing from 460m to 11 observed. Total of 87 joints run plus shoe joints. Note: Disconnected Power from Sperry directional unit & prepare Anadrill. Rotated mud logging unit 180 degrees.	2.00INT-DRLCIRCPPCirculated hole clean with 4368 lpm (1154 Gpm) whist rotating and reciproca recorded final survey, displaced well with 208m3 (1313 bbls) 1.15 sg (9.6 pr 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m, (hole slick), jetted wellhead housing with 4940 L GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 406mm (16") BHA from 378m to 40m.1.50INT-DRLTRIPBHAPPPOH from 40m laying out all Sperry tools.0.50INT-CSGCMTPPPicked up & L/O cement stand from derrick.0.50INT-CSGCMTPPMade up Weatherford cement head & racked back in derrick.2.00INT-CSGCSGPPHeld pre-job safety meeting, rigged up 340mm (13 3/8") casing handling equ reasing every joint. Stabbed into 30" housing at 20:15 hrs ( observed with RO 508mm (20") shoe at 460m.3.50INT-CSGCSGPPContinued to RIH with 340mm (13 3/8") casing from 460m to 1125.11m. Zer observed. Total of 87 joints run plus shoe joints. Note: Disconnected Power from Sperry directional unit & prepared to change Anadrill. Rotated mud logging unit 180 degrees.	2.00INT-DRLCIRCPPCirculated hole clean with 4368 lpm (1154 Gpm) whist rotating and reciprocating precorded final survey, displaced well with 208m3 (1313 bbls) 1.15 sg (9.6 ppg) PH 4126 Lpm (1090 Gpm).2.50INT-DRLRIHPOHPPPOH from 1551m to 378m, (hole slick), jetted wellhead housing with 4940 Lpm (13 GPM) for 5 minutes.1.50INT-DRLTRIPBHAPPContinued to POH with 406mm (16") BHA from 378m to 40m.1.50INT-DRLTRIPBHAPPPOH from 40m laying out all Sperry tools.0.50INT-CSGCMTPPPicked up & L/O cement stand from derrick.0.50INT-CSGCMTPPMade up Weatherford cement head & racked back in derrick.2.00INT-CSGCSGPPHeld pre-job safety meeting, rigged up 340mm (13 3/8") casing handling equipment 360mm (20") shoe at 460m.3.50INT-CSGCSGPPContinued to RIH with 340mm (13 3/8") casing from 460m to 1125.11m. Zero drag observed. Total of 87 joints run plus shoe joints. Note: Disconnected Power from Sperry directional unit & prepared to change unit to Anadrill. Rotated mud logging unit 180 degrees.

							APA	CHE CO	RPORA	TION	I						Page 2
							Da	ily Drill	ing Re	port							
WELL NAME MADFISH-1																<b>DATE</b> 29-1	1-2008
API # 24 HRS PROG						TMD				TVD					REPT	NO	
OH 73.00 (m)					1,551.00	(m)			1,550.9	99 (m)				5			
								06:00 U	PDATE								
000-0600	00 CA 03 dri 05 at PC HS	:30-03:30 ART, M/U :30-05:00 Ilpipe lanc :00-06:00 412m. (Ca GB bullsey SE: No ac	P/U CART Weatherfor RIH from 1 ling string of P/U cemer asing shoe res with RC cidents, ind	with 476mm rd sub sea w 1140m with 4 on RIH to 73i nt stand, inst at 1546.48m DV. Port: 1 de cidents or po	o (18 ¾") per plug 76mm (1 mm ( 2 5 alled sur ), Set do gree sta llution re	HPWHH s and inst 8 ¾") HF /8"). Prec face lines wn all cas rboard, F ported.	iged up 127m joint & M/U to alled in wellh WHH joint & cautionary wa , verified circu sing weight 11 WD: 1/2 degr	o 340mm ( 13 ead (filled voi 340mm (13 3 shed down fr ilation, RIH, s 56 MT ( 345,0	3/8") casir d with Sea 3/8") casing om 1515m soft landed 000lbs), inte	ng, Conf water). I on land to 1545 and lato egrity te	Removed Flu ling string to m. ched 476mm	sh mour 1515m. (18 ¾")	hted slips ( hole sli HPWHI	s, RIH to ick). Drifte H into 762	1140m. ed 127mm 2mm (30"	n ( 5") ) housing	
	To	tal Stop c	ards - 37 (1	11 unsafe, 26	safe). J	SA-23- P	ermits-8	BIT D	ΔΤΔ								
BIT / R	UN	SIZE		MANUFACTURER		TYPE	SERIA		JETS	OR TFA		DEPTH IN / DATE IN		TE IN	I-O-D-	-L-B-G-O-R	
		(mm	(mm)					NO									
2/1		406.0		REED H	YCALOG	;	T11C				6, 3x22	<u> </u>	460.61	1 / 28-11-	2008	1-1-NO	-A-E-I-NO-TD
BIT / F	RUN		voв	RPM	I FI	_ow	PRESS		HR	-	24 Hr PROG	24	HR ROP	CU	M HRS		
2/*		31/31		180/180		58.00	29,648	4024	0.5		73.00	_	146.0		9.00	1,090.00	57.4
LCM:							MUD	PROPER	TIES	•			MUD TYPE: SPU		PUD MUD		
VIS (s/l)	PV/Y (cp ) / (I		GELS (Pa )	WL/F (ml/30	ITHP min)	FC/T. (mm)		OIL/WAT (%)	% SANE (% )/(		pH/Pm (mL)		/Mf nL)	Cl (ppm )	Ca (ppm)	H2S (%)	KCL LGS ppm) (%)
65	12/34		28/32	1	5	1		<b>DD</b>				0010			07.00		2
Density (s	sg)	2	.15	0/NL 176	02032	_				<u> </u>		6219	<u>+</u>	HRS	27,032		
BHA						STRING WT DN		DLE CONDITIONS							2		
BHA WT BELOW JARS STRING WT UP 33 (tonne) 131 (tonne)				133 (tonne)		133 (tonne)				10 (kN-m)				.30 (m)			
	(tonne)		I	(tonne)		I	(tonne)	, I		(tonne	,	I		N-m)	I		.30 (m)
		ITEN	I DESCRIF	PTION			NO	JTS	LEN	GTH	Ο.	D		I.D	CC	ONN SIZE	CONN TYP
		Heavy	/ Weight Di	rill Pipe			17		159	.46	127	.00	79.38				
		ŀ	- Hydraulic J	ar					9.8	34	158	.75		69.85			
		Heavy	/ Weight Di	rill Pipe			6		55.	96	127	.00		79.38			
			Cross Ove	'			1		1.0		200			73.02			
			Drill Colla				12		111		209.50		69.85				
Cross Over						1		1.1		238			76.20				
Non-Mag Drill Collar						1		9.3		241.30		76.20					
Integral Blade Stabilizer						1		2.4		406		76.20					
						1			6.84 279.4			92.08		_			
Logging While Drilling						1		4.80 241									
Logging While Drilling Integral Blade Stabilizer						1										7 5/0 0 - 2	
								1			406			76.20			7 5/8 REC
			Mag Pony				_	1	3.2		241			76.20			
Near Bit Stabilizer						1		2.83		406.00			76.20	_		7 5/8 REC	
			Tri-Cone B	Bit			1	1	0.4	14	406	.00					
					4.71									oT			
	-		MD (m)		EG ')		AZI (°)	AZI T\ (°) (n			+N/-S (m)		+E/-W \ (m)		V.SE (m		D.L (°/30m)
TYPE			()										0.19				
NORM NORM		1,5	509.00 530.13	0.			2.04 4.62	1,50	9.00		. ,				1.2		0.08 0.08

## APACHE CORPORATION

**Daily Drilling Report** 

WELL NAME DATE MADFISH-1 29-11-2008 API # 24 HRS PROG TMD REPT NO TVD 73.00 (m) 1,550.99 (m) 5 OH 1,551.00 (m) MUD PUMPS/HYDRAULICS SPR STROKE SPM LINER FLOW SPM PPSR SPP: 29,648 (kPa) # 1 304.80 90 152.40 1456 152.40 #2 304.80 90 1456 #3 304.80 90 152.40 1456 HP: 0.221 (kW/cm<sup>2</sup>) PERSONNEL DATA COMPANY QTY HRS COMPANY QTY HRS TRI-SURV- Neptune 1 SPERRY SUN 3 SUBSEA 7 6 BJ casing 4 KEMTECH 8 2 catering DODI 57 Caprock 1 VETCO BHI 1 2 DOWELL 2 Anadrill APACHE 4 TOTAL PERSONNEL ON BOARD: 95 SUPPORT CRAFT TYPE REMARKS NOR CAPTAIN On Loc S-76 1 x choppers, Pax in 1, Pax out 0 FAR SKY On Loc FAR GRIP Geelong. SWISSCO 168 On standby MATERIALS/CONSUMPTION USAGE ON HAND ITEM ON HAND ITEM UNITS UNITS USAGE BARITE BULK 13 BENTONITE ΜТ MT 95 7 38 DIESEL CEMENT MT 95 519 m3 WATER, POTABLE m3 338 WATER, DRILLING m3 531 WEATHER TIME WIND SPEED/DIR GUST SPEED/DIR TEMP SWELL WAVE HT/DIR/PER HT/DIR/PER 00:00 //35.00/3 2.00/170.00/12 1 10.3/80.00 DECKLOG MAX VDL ACT VDL AVG VDL LEG PEN (BOW) LEG PEN (PORT) LEG PEN (S BOARD) 2560 2119 2119 SAFETY DRILLS CASING LAST BOP H2S DRILL MAN ABND. RAMS ANNULARS NEXT BOP FIRF OVERBRD (kPa) (kPa) DRILL PRESS TEST DRILL DRILI 24-11-2008 24-11-2008 24-11-2008 24-11-2008 INCIDENT REPORT INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION No incidents reportedtoday

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		Page 4 of 4						
			Dai	ly Drilling Report	:		-	
WELL NAME		DATE						
MADFISH-1		29-11-2008						
API #	24 HRS I	PROG	TMD		TVD		REPT NO	
ОН	)	1,551.00	(m)	1,550.99 (m)	,550.99 (m)			
			Ν	UD INVENTORY				
ITEM		UNIT		USAGE	Day Cost (\$)		ON HAND	
BENTONITE	E	1.00 MT		7.00	2,570.96		38.00	
GUAR GUM	I	25.00 kg			0.00		68.00	
SODA ASH- SOD.CARBONATE-		25.00 kg			0.00		15.00	
BARITE (bulk	()	1.00 MT		13.00	3,647.93		96.00	
LIME		25.00 kg			0.00		77.00	