

OPERATIONS REPORTS

Mt. Winter No. 2

Mt. Winter No. 2A

DRILLING REPORT

DATE: 12/11/85 REPORT N° 32

SHALLOW CORE SP154 GE21 WELLS 'MT. WINTER #2' W/CAT. APPRAIS DEV. AREA GLEN EDITH OR FIELD MT. WINTER DIGISERS RIG BOURNE 1000R LAST CSG AT

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER	
MBC	NITRATE	SULPHITE	KCI	K+	MUD ADDED									WT. MATERIAL ON HAND	SX

SHAKER SC.	DESANDER	UF	OF	GPM	DESILTER	UF	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
hrs												

BIT N°	SIZE	TYPE	SERIAL N°	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT MHP	HALF RATE		HOOK LOAD
	JBT	DP	DC	SPM	PSI							

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR
	hrs								

DRILLING ASSY	BUOYED BHA WT		LENGTH BHA

OPERATIONS		START	DURATION
START	DURATION		
07:00	3 1/2	STRAIGHTEN DRILL PIPE REPAIR RATE APPLIES.	
10:30	1/2	RIG UP @ SP154 GE21 'MT WINTER #2'	
11:00	2 3/4	DRILL 5 1/8" HOLE FROM 0m TO 45m	
13:45	1 3/4	REAM 0m -> 24m TO 8 3/4"	
15:30	1 1/2	WAITING ON WATER	
17:00			
NOTE: APPROXIMATE ROUNDTRIP TIME TO BROWN'S BORE FOR WATER IS 4 HOURS.			

TOTAL 6 1/2 WORKING.

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH CONSUMABLES 1XSET 5 1/8" CHEVRON BLADES.



DRILLING REPORT

DATE: 15/11/85 REPORT N^o 35

SHALLOW CORE 3P 154 GE 21
 WELL FIT WINTER #2
 W/CAT. AREA GLENEDITH
 APPRAIS OR FIELD MT. WINTER
 DEV. RIG BOURNE 1000R
 LAST CSG AT

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
			%											5X

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
	hrs				hrs				hrs			

BIT N ^o	SIZE	TYPE	SERIAL N ^o	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JET	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
07:00	1	RIH REAM + CIRC TO BOTTOM.	
08:00	5	HAMMER DRILL 120m → 132m.	
13:00	1 1/2 *	BREAKDOWN CLEAN + CHANGE OUT CIRCULATING-SYSTEM BALL VALVES	
14:30	2 1/2	MIX MUD + FILL HOLE - RAN OUT OF WATER	
17:00			
TOTAL 8 1/2 HRS WORKING.			

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG.	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG.	OTHERS	4 TOTAL
	1	3										

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH NO CONSUMABLES USED THIS DAY (DIGSETS)

DRILLING REPORT

DATE: 17/11/85 REPORT NO 37

SHALLOW CORE SP154 GE 21 WELL 'MT WINTER 2' W/CAT. APPRAIS DEV. AREA GLEN EDITH OR FIELD MT. WINTER DIGISETS RIG BOURNE 1000K LAST CSG AT

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
														5X

SHAKER SC	DESANDER	UP	OP	GPM	DESILTER	UP	OP	GPM	MUD CLNR.	OF	GPM	SCREENS

BIT N°	SIZE	TYPE	SERIAL N°	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
START	DURATION		
07:00	2	ATTEMPT TO RUN IN TO CLEAN HOLE - CASING COLLAPSED 23-33M	
09:00	5	PULL 33 METRES OF 150M PVC CASING CASING PARTED 12M FROM BOTTOM	
14:00	2	ATTEMPT TO MILL UP + CIRC OUT REMAINING 12M OF PVC CASING. UNSUCCESSFUL	
16:00	2 1/2	CONTINUE TO REAM + CIRCULATE - REAMED 45M -> 46.8M NO CASING RECOVER	
18:30			
CPH LEFT RIG SITE @ 16:30 HRS TO DRIVE TO ALICE SPRINGS TO PICK UP CORE BARREL, CEMENT, GEL, CEMENTING EQUIP, + DISCUSS PROBLEMS - NO RADIO RECEPTION DUE TO BAD WEATHER.			
TOTAL	11 1/2	HRS WORKING.	

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS
	1	3									4 TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING
						3 DRUMS (600 LITRES)

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH



DRILLING REPORT

DATE: 19/11/88 REPORT No 39

SHALLOW CORE SP154 GE21 WELL MT WINTER #2 W/CAT. APPRAIS DEV. AREA GLEN EDITH OR FIELD MT WINTER DIGSEIS RIG BOURNE 1000R LAST CSG AT

DEPTH + 10M S.W. AT 2400 'MT WINTER 2A' PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
														SK

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLR.	OF	GPM	SCREENS
		hrs				hrs					hrs	

BIT NO	SIZE	TYPE	SERIAL NO	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR
							hrs	hrs	hrs

DRILLING ASSY	BUOYED BHA WT		LENGTH BHA

OPERATIONS		START	DURATION
START	DURATION		
07:00	2	ATTEMPT TO RE-ENTER HOLE - UNSUCCESSFUL	
09:00	1 1/2	MOVE RIG + RIG UP 10 M SOUTH WEST OF SP154 OF GE21.	
10:30	1/2	MIX MUD	
11:00	5 1/2	DRILL 4 3/4" HOLE FROM 0M TO 48M.	
16:30	2 1/2	REAM TO 8 3/4" FROM 0M TO 12M.	
19:00		09:00 HRS.	
		CPH ARRIVE AT RIG WITH MUD, CEMENT, CEMENTING EQUIPMENT ETC. CORE BARREL NOT AVAILABLE FOR SHIPMENT.	

TOTAL 12 HRS WORKING.

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH CONSUMABLES: 1 X SET 4 3/4" CHEVRON BLADES.



DRILLING REPORT

DATE: 23/11/85 REPORT No 43

SHALLOW CORE W/CAT. AREA OR FIELD *Mt Winter* RIG *Digisei's Bourne 1000R* LAST CSG AT

WELL *Mt Winter 2a* APPRAIS DEV.

DEPTH AT 24.00 PROGRESS OPERATION AT 24.00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER	
					/						%	%	%		
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND	SX

SHAKER SC.	DESANDER	UF	OF	GPM	DESILTER	UF	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
	hrs				hrs				hrs			

BIT No	SIZE	TYPE	SERIAL No	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION	
START	DURATION			
00-00				
07.00	12.30	Ream + Hammer cement		(Lost seal again).
12.30	19.00	Drill, hammer from 49m to 73.5 metres.		
		(Casing leaking badly).		
		hung up when POOH.		
		pulled free.		132
		(Casing moving appreciably).		1680
				325
				100
				2075
				660
				2640
				12500
				15800
Total	12.5 hours			

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH \$1000 - airfare G.R.M.



DRILLING REPORT

DATE: 25/11/85 REPORT N° 45

SHALLOW CORE W/CAT. AREA OR FIELD *Mt Winter*
 WELL *Mt Winter 2a* APPRAIS DEV. RIG *Digiseis Bourne 1000R.* LAST CSG AT

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
														SX

SHAKER SC	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
		hrs				hrs						

BIT N°	SIZE	TYPE	SERIAL N°	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HMP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
START	DURATION		
00:00			
0700	12.00	Drilled 93 - 99.5 metres - Cleaned hole, POOH.	
1200	17.00	Standby for casing	
		Water truck left site	
		1400 hrs. to collect casing in Alice. Arrived 19.00	

Total ~~10~~ 10 hours working.

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH *Generator Hire \$817*



DRILLING REPORT

DATE: 29/11 REPORT NO 49

SHALLOW CORE W/CAT. AREA OR FIELD *MT Winter*
 WELL *MT Winter 2a* APPRAIS DEV. RIG *Digiseis Bourne 1000R* LAST CSG AT

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
														SX

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
	hrs				hrs				hrs			

BIT NO	SIZE	TYPE	SERIAL NO	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE & STROKE	SPM	VELOCITY			BIT HMP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR
				hrs	hrs	hrs	hrs	hrs	

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
00:00			
	<i>Drive to rig left @ 14.45</i>		
	<i>Water truck bogged - left in sand</i>		
	<i>arrived camp 23.00 hrs.</i>		

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG.	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG.	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700	DEPTH

DRILLING REPORT

DATE: 30/11 REPORT N^o 50

SHALLOW CORE W/CAT. AREA OR FIELD *Bourne, 1000 R*
 WELL *Mt Winter-2a* APPRAIS *Mt Winter* RIG *Digiseis.* LAST CSG AT

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	%
MBC	NITRATE	SULPHITE	KCl	X+	MUD ADDED									WT. MATERIAL ON HAND
			%											SS

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
	hrs				hrs				hrs			

BIT N ^o	SIZE	TYPE	SERIAL N ^o	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE & STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
START	DURATION		
00:00			
0700	10.30	Repairs	
1030	14.30	Hauling water	
14.30	19.00	Wait on weather.	
		Dust storm	
		- may pay lost 4 1/2 hours.	

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG.	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG.	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH

DRILLING REPORT

DATE: 1/12 REPORT No 51

SHALLOW CORE W/CAT. AREA OR FIELD *Mt Winter*
 WELL *Mt Winter 2a* APPRAIS DEV. RIG *Digiseis Bourne 1000R* LAST CSG *4.7"* AT *99.5m*

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED						%	%	%	WT. MATERIAL ON HAND SX

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
	hrs				hrs				hrs			

BIT No	SIZE	TYPE	SERIAL No	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE & STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JET	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR
				hrs	hrs	hrs	hrs	hrs	

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
00:00			12 hours 1584
	<i>RIH clean hole POH.</i>		<i>core bbls 100</i>
	<i>RIH w casing 16 jts</i>		<i>Geol. 150</i>
	<i>cement 4.7" casing</i>		<i>1834</i>
	<i>W.O.C.</i>		
	<i>Driller left site 20.30.</i>		<i>Used 20 sacks Cement</i>
	<i>→ Alice.</i>		<i>372 ft 4.7" casing</i>
			<i>1 sack CaCl2</i>
	<i>12 hours total.</i>		

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH *4.7" casing \$7.440. Freight core bbl. \$153.10.*



DRILLING REPORT

DATE: 2/12 REPORT N° 52

SHALLOW CORE W/CAT. AREA OR FIELD *Mt Winter*
 WELL *Mt Winter 2a* APPRAIS DEV. RIG *Digisei's Bourne 1000R* LAST CSG *4.7"* AT *99.5m*

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
														SX

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
		hrs				hrs				hrs		

BIT N°	SIZE	TYPE	SERIAL N°	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT MHP	HALF RATE		HOOK LOAD
						JET	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION	
00:00				
	Loaded cement			
	Driller returned to rig			
	Cemented to surface.			
07:00	19:00	Wait on Cement.		Extra core barrel is not operational due to lack of correct sub thread - have subtracted this value as the bbl was not previously checked. CRM.

Total 12 hours

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG.	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH



DRILLING REPORT

DATE: 4.12.85 REPORT N^o 54

SHALLOW CORE W/CAT. AREA OR FIELD *Mt Winter*
 WELL *MT WINTER 2a* APPRAISAL DEV. RIG *Digiseis Bourne 100R* LAST CSG *4.7" AT 99.5m*

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED									WT. MATERIAL ON HAND
														5X

SHAKER SC.	DESANDER	UP	OP	GPM	DESILTER	UP	OP	GPM	MUD CLNR.	OF	GPM	SCREENS

BIT N ^o	SIZE	TYPE	SERIAL N ^o	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION
START	DURATION		
00:00			
0700	0800	<i>Cut casing - pick up bbl.</i>	
0800	1100	<i>Run 1 99.5 - 99.9 metres</i>	
1100	1630	<i>Run 2 99.9 - 102.25 metres</i>	
1630	2400	<i>Run 3 102.25 - 106.75 metres.</i>	
		<i>Consumables</i>	
		<i>1 core catcher</i>	
		<i>2 core catcher cases</i>	
		<i>4 locating washers</i>	
		<i>1 Diamond Core bit SN.-39439</i>	
<i>Total 17 hours Working.</i>		<i>1 Diamond Reamer SN-39409</i>	

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH *15 sacks cement = \$117*

DRILLING REPORT

DATE: 5.12.85 REPORT No 55

SHALLOW CORE W/CAT. AREA Digiseis
 APPRAIS OR Mt Winter
 DEV. FIELD
 WELL MT WINTER 2a RIG Bourne 1000R LAST CSG 4.7" AT 99.5m

DEPTH AT 24 00 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	

MBC	NITRATE	SULPHITE	KCI	K+	MUD ADDED	WT. MATERIAL ON HAND
						SX

SHAKER SC.	DESANDER	UP	OF	GPM	DESILTER	UP	OF	GPM	MUD CLNR.	OF	GPM	SCREENS
		hrs				hrs					hrs	

BIT N°	SIZE	TYPE	SERIAL N°	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HHP	HALF RATE		HOOK LOAD
						JET	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION	
START	DURATION			
00:00				
0700	2045	Coring		
		Run 4 106.75 - 111.15m		\$1915 / 8.9 metres
		Run 5 111.15 - 115.65m.		\$215 / metre
				Consumables.
				1x Core Catcher Case
				2x Core Catchers
				2x Locating Washers
				1x Diamond Core bit SN-39440
				1x Diamond Reamer Shell SN 39410
Total	13 ³ / ₄ hours			

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG.	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG.	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH



DRILLING REPORT

DATE: 6.12.85 REPORT N^o 56

SHALLOW CORE W/CAT. AREA Digiseis
 APPRAIS OR
WELL MT WINTER 2a DEV. FIELD MT WINTER RIG Bourne 1000R LAST CSG 4.7" AT 99.5m

DEPTH AT 2400 PROGRESS OPERATION AT 24 00 DAYS FROM SPUD AUTH. T.D.

MUD	WT	VIS	PV	YP	GELS	PH	W/L	F/CAKE	CHL	HARDNESS	SAND	SOLIDS	OIL	WATER
					/						%	%	%	
MBC	NITRATE	SULPHITE	KCl	K+	MUD ADDED	WT. MATERIAL ON HAND								
						SX								

SHAKER SC.	DESANDER	UF	OF	GPM	DESILTER	UF	OF	GPM	MUD CLNR.	OF	GPM	SCREENS

BIT N ^o	SIZE	TYPE	SERIAL N ^o	JETS	IN	OUT	DRILLED	HRS	AVG. ROP	WOB	RPM	CONDITION

PUMP	PRESSURE	GPM	TYPE	BORE x STROKE	SPM	VELOCITY			BIT HMP	HALF RATE		HOOK LOAD
						JBT	DP	DC		SPM	PSI	

SURVEY	DEPTH	ANGLE	AIR DRILLING	PRESSURE	INJ. RATE	COMPRESSOR	BOOSTER	ROT. HEAD	REPAIR

DRILLING ASSY	BUOYED BHA WT	LENGTH BHA

OPERATIONS		START	DURATION	
START	DURATION			
00:00				
0700	1900	Coring		
		Run 6 115.65 - 119.20m		\$1684 / 8.05 metres
		Run 7 119.20 - 123.70m		\$209 / metre.
				Consumables
				2x Core Catchers
				2x Locating Washers
Total	12 hours			

TIME BREAKDOWN	DRILLING	TRIPS	SURVEYS	RIG REPAIRS	A/P REPAIRS	CIRC.	REAMING	CUT D/LINE	RIG SERVICE	CORING	HANDLE TOOLS
	CASING	CEMENTING	LOGGING	WOC	NIPPLE BOP	TEST BOP	WORK PIPE	FISHING	OTHER		

BOP DRILLS	TOUR	TIME	TYPE	BOP CLOSING TIME	ANNULAR	PIPE RAMS	BLIND RAMS	ACCUM. PRESS.	ANNULAR PRESS.

PERSONNEL ON LOCATION	COMPANY	RIG	CAMP	MUD CO.	MUD LOG.	CEM/TEST	CORE	W/L LOG	WATER	AIR DRLG.	OTHERS	TOTAL

FUEL	RIG	CAMP	PREVIOUS	RECEIVED	USED	REMAINING

SUMMARY OF OPERATIONS SINCE 2400 TO 0700 DEPTH

D A I L Y R E P O R T

DATE: 12/08/86

TIME: 8.30 am

REPORT No: 1

LOCATION: En-Route for Mt. Winter Site

11/08/86 4.15 pm Leave Alice Springs

6.30 pm Arrive at Glen Helen (Overnight Stop)

M.D. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 13/08/86

TIME: 8.30 AM

REPORT No: 2

LOCATION: Mt. Winter #2A

12/08/86 8.00 am Began Travelling
 6.30 pm Arrived at Mt. Winter #2A
 7.30 pm 6WD arrived

M.D. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 14/08/86

TIME: 8.30 AM

REPORT No: 3

LOCATION: Mt. Winter #2A

13/08/86 7.00 am Prepared site and positioned rig. Dug a sump for water recirculation.

Ran HQ casing pipe

6WD out of action - Output shaft from Main Gearbox has seized bearings. Rick and driver to town for spares and equipment

Tagged bottom at 135.65 metres

6.15 pm Began coring

Cut 1.05 metres to a depth of 136.7 metres

Swivel seized, so packed up for the day.

M.B. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 15/08/86

TIME: 9.30 AM

REPORT No: 4

LOCATION: Mt. Winter #2A

14/08/86 7.30 am Work on Swivel - Replace Bearings
 10.30 am Commence coring again
 6.30 pm Finish coring for the day at 160.85 metres
 Cored 24.25 metres

M.D. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 16/08/86

TIME: 9.30 AM

REPORT No: 5

LOCATION: Mt. Winter #2A

15/08/86 7.30 am Begin Coring

3.00 pm POOH for new bit. RIH and core ahead

6.45 pm Finish coring

Made 26.75 metres to a depth of 187.70m.

- Horn Valley Siltstone at 184 metres
- Some live oil, oil staining and associated fluorescence in core in the Lower Stairway. 7 Sections sealed pending analysis.

M.D. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 17/08/86

TIME: 9.30 AM

REPORT No: 6

LOCATION: Mt. Winter #2A

16/08/86 8.00 am Stuck in Hole (Horn Valley)

1/2 hour to free. Probably settling of solids in mud overnight.

8.30 am Begin Coring

7.00 pm Finish Coring

23 metres cored, to a depth of 210.7 metres

6 sections of Horn Valley wax sealed pending analysis. Oil staining and fluorescence in Horn Valley - confined to limestone horizons.

M.D. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 18/08/86

TIME: 9.30 am

REPORT No: 7

LOCATION: Mt. Winter #2A

17/08/86 8.50 am Coring ahead

Noon BPB arrive on Site

12.20 pm Peter, Rick in 4WD Truck arrive

11.00 pm Total depth reached of 258.7 metres -
Cored 48 metres

Total Amount Cored = 123.05 metres

8 further sections of core were wax sealed

M.D. BERRY
GEOLOGIST

D A I L Y R E P O R T

DATE: 19/08/86

TIME: 9.30 am

REPORT No: 8

LOCATION: Mt. Winter #2A

18/08/86 8.00 am Commence packing up Rig and Site
 11.30 am Drove to Glen Edith to locate new campsite
 1.30 pm Camp moves to Glen Edith (Approx. 30 kms)
 4.30 pm Rig and water tank move to Glen Edith
 5.00 pm BPB sets up and logs Mt. Winter #2A
 10.00 pm Finished logging

M.D. BERRY
GEOLOGIST