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BASIN OIL N.L.

Compiled For:

BASIN OIL N.L.
(A.C.N. 000 628 017)

SKULL CREEK WEST-1

PRELIMINARY DATA REPORT

Prepared by:

G. O'Neill
March 1997

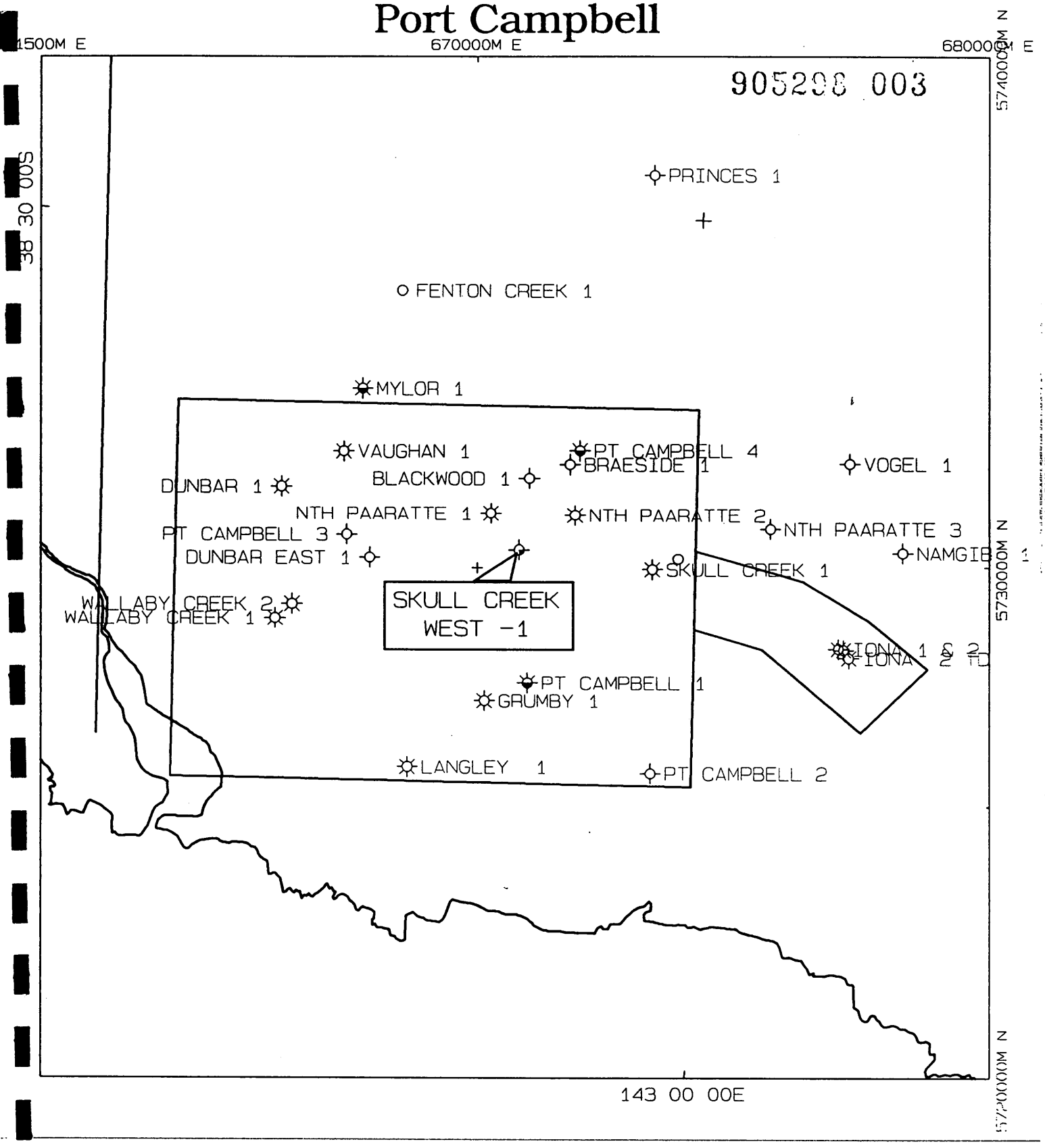
SKULL CREEK WEST-1

905298 002

PRELIMINARY DATA REPORT

CONTENTS

Port Campbell



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KILOMETRES

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
AUSTRALIAN NATIONAL SPHEROID
CENTRAL MERIDIAN 141 00 00E

SECTION 1:

WELL CARD

WELL:	**SKULL CREEK WEST #1**	**SPUD:**	1400 hours, 12-02-97
WELL TYPE:	EXPLORATION	**TD REACHED:**	2000 hours, 23-02-97
BLOCK/LICENCE::	PPL1 Otway Basin Victoria	**RIG RELEASED:**	2400 hours, 02-03-97
RIG:	ODE 30	**COMPLETED:**	
LATITUDE:	38 33' 13.5" S (prelim)	**STATUS:**	Plugged & abandoned exploration well with gas & oil recovery
LONGITUDE:	142 57' 37.5" E (prelim)	**TYPE COMPLETION:**	Plugged & abandoned
Y coord:	670 814.18 mN	**TYPE STRUCTURE:**	Horst
X coord:	5 730 350.70 mE (prelim)		
SEISMIC STATION:	Waarre 3D Xline 2830 inline 8440	**ZONE(S):**	
ELEVATION GL:	96 m AHD (prelim)	**REMARKS:**	
RT:	100.3 m		
TD:	**2002.0 m MD (Logr Ext)** **2000.0 m MD (Drlr)**		

CASING SIZE	SHOE DEPTH mRT	TYPE
16"	5.3	
9 5/8"	721.5	

AGE	FORMATION OR ZONE TOPS	DEPTH (m) LOGGERS MD	DEPTH (m) SUBSEA TVD	THICKNESS (metres)	HIGH (H) LOW (L)	Prelim. TWT (msec)
TERTIARY	PORT CAMPBELL LIMESTONE	4.3	95.7	43.7	AP	
	GELLIBRAND MARL	48	52	281	NP	
TERTIARY	CLIFTON FORMATION	329	-229	19	22m H*	252.0
TERTIARY	NARRAWATURK MARL	348	-248	67	NP	271.3
TERTIARY	MEPUNGA FORMATION	415	-315	57	14m H*	334.6
TERTIARY	DILWYN FORMATION	472	-372	198	20m H*	388.2
TERTIARY	PEMBER MUDSTONE	670	-570	62	62m H	553.4
TERTIARY	PEBBLE POINT FORMATION	732	-632	84	60m H*	601.4
LATE CRETACEOUS	PAARATTE FORMATION	816	-716	299	10m H*	665.8
LATE CRETACEOUS	SKULL CREEK MUDSTONE	1115	-1015	84	3m H*	882.2
	NULLAWARRE GREENSAND	1199	-1099	27	33m L*	938.9
LATE CRETACEOUS	BELFAST MUDSTONE	1226	-1126	59	14m L*	956.6
LATE CRETACEOUS	WAARRE FORMATION: UNIT B	1285	-1185	41	14m L*	999.6
LATE CRETACEOUS	UNIT A	1306	-1206	676	NP	1011.4
EARLY CRETACEOUS	EUMERALLA FORMATION	1326	-1226		25m H*	1027.6
	T.D. (LOGR. EXTRAP.)	2002	-1902			
* Geophysical prognosis						

LOG INTERPRETATION (Interval Averages)

ZONE	INTERVAL m MD	THICKNESS	NP m	POR %	SW %
No pay is mapped					

PERFORATIONS (4 shots/ft)

ZONE	INTERVAL m MD

CORES

ZONE	NO.	INTERVAL m MD	CUT m	REC m
Waarre	1	1290.7-1292.0 D 1291.7-1293.0 L	1.3	1.3
Waarre	2	1292.0-1310.3 D 1293.0-1311.3 L	18.3	18.3
Eumeralla	3	1748.0-1766.3 D 1749.8-1767.1L	18.3	18.3

LOG (BPB)	RUN	INTERVAL mRT	BHT/TIME	LOG	RUN	INTERVAL mRT	BHT/TIME
GR-	1/1	2000-surface	67C/7.0hrs	Waveform sonic	6	2000-1150	
-DLS-SP-CAL-DT-		2000-721		SRS (vel survey)	7	1990-surface 19 levels	
-MLL-ML		2000-1150		GR-CCL (DST1)	8		
PDS-CNL-GR-CAL-NGT	2	1350.0 - 1701.4	63C/12.0hrs	GR - CCL (DST2)	9		
Crocker FET	3	1319-1286 10 PT, 8 valid, 2 sc, tool failed	52C				
PSD (dipmeter)	4	1350-1050	55C/23.5hrs				
RFS	5	1287-1767 18 PT,13 valid, 5 plugged, 1sample					

FORMATION TESTS										
NO.	INTERVAL (mRT)	FORMATION	FLOW (mins)	SHUT IN (mins)	BOTTOM GAUGE IP/FP (psia)	SIP	MAX SURF PRESS (psia)	FLUID TO SURF (mins)	TC/ BC	REMARKS
1	1527.0-1531.0L 1526.0-1530.0D	Eumeralla Fm Infl strad w/ GR-CCL	5/182	39/180	77/77 88/132	1667 1848	NFTS	NFTS	1/4" 3/4"	Rec: 1.6 bbl oil (45.2 API@60F) & 0.5 bbl MW (total rec 90m)
2	1311.0-1315.0L 1311.0-1315.0D	Waarre Unit A Infl strad w/ GR-CCL	4/122	42/123	139/139 243/595	1688 1666	TSTM	GTS 77 mins	1/4" 3/4"	GTS @ RTSTM Rec: 17.2 bbl water & MW (Rw 0.64 @ 75F)

SUMMARY:

Skull Creek West 1 was drilled as an exploration well in Victoria, onshore Otway Basin, PPL 1. It was located 2.75 km west of the Skull Creek 1 Waarre/Eumeralla gas discovery well, 0.4 km east of the North Paaratte production station and 190 km WSW of Melbourne.

Skull Creek West was designed to test the central Skull Creek Horst Block, 62m downdip (at top Waarre Formation) of Skull Creek 1. Primary targets included the Waarre Formation and Eumeralla Formation as both formations produced gas on DST in the discovery well.

The well reached a total depth of 2002m (Logr Extrap) Eumeralla Formation. The top Waarre Formation (14m low) and top Eumeralla Formation (25m high) the main target horizons, were intersected close to prognosis. The Waarre Unit C was lost due to erosion, hence the Waarre Formation was thinner than anticipated. Tertiary formations were intersected high to prognosis as a result of slower velocities than were apparent in Skull Creek 1.

3 cores were cut. Core 1 (1.3m) in the top Waarre Formation was abandoned due to poor penetration rate. Core 2 (18.3m) intersected the top Waarre Unit A and has reasonable reservoir characteristics (Av por 21.0%; k 3 to 46md). Core 3 (18.3m) was cut through a basal Eumeralla Formation sandstone to ascertain reservoir quality at this depth. Preliminary core analysis data indicates this zone has better than expected reservoir quality (Av por 20.5%; k 1 to 865md).

A gas show of 74 units was recorded in the Waarre Unit A (1307-1325m) when drilling commenced after core 2. RFS and FET data failed to conclusively define a gas gradient through this sand. DST 2 tested the show flowing GTS at RTSTM and recovering 17.2 bbl of formation water.

An oil show was also recorded at 1527m in the Eumeralla Formation. RFS data indicated the zone had some permeability and a sample was taken at 1530.2m. 2 chambers were filled: the 10 litre dump chamber contained negligible gas, 0.4 litres of oil and 9 litres of water; the 3.8 litre chamber contained 4.5 litres of gas and 0.015 litres of oil. DST 1 tested this zone and recovered 1.6 bbl of oil (45.2°° API @ 15°C) and 0.5 bbl of water.

Skull Creek West 1 was plugged and abandoned. Three cement plugs were set as follows:

Plug 1: 1306m to 1216m; Plug 2: 752m to 690m; Plug 3: 20 sack surface plug

AUTHOR: G. O'Neill | **DATE**: March, 1997

SECTION 2:

DAILY GEOLOGICAL REPORTS

DAILY COST.

905298 CLO

CULTUS PETROLEUM N.L. GEOLOGY OPERATIONS REPORT NO. 1

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 13/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**KB(~~AHD~~):**	100.3m *(datum)*	**0600 Depth:**	260m
Geologist:	David Horner	**Last Casing:**	16" at 8.5m	**Progress to 0600:**	260m

Comments:

Spud Skull Creek West at 1400hrs 12-2-97. Drill ahead in 12.25" hole.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
Spud - 48	Massive Calcarenite - Port Campbell Limestone - No Show
48 - 260	Massive Marl - Gellibrand Marl - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C1*	*C2*	*C3*	*C4*	*C5*	*Comments*
			←		(ppm)		→	
Spud - 48	43	0	0	0	0	0	0	Port Campbell Limestone
48 - 260	50	0	0	0	0	0	0	Gellibrand Marl

Formation Tops:	Prognosed SS (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351			
Narrawaturk Marl	-			
Mepunga Formation	429			
Dilwyn Forrmation	492			
Pember Mudstone	732			
Pebble Point Formation	792			
Paaratte Formation	826			
Skull Creek Mudstone	1118			
Nullawarre Greensand	1166			
Belfast Mudstone	1212			
Waarre Formation Unit "D"	1271			
Waarre Formation Unit "C"	-			
Waarre Formation Unit "B"	-			
Waarre Formation Unit "A"	-			
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
Spud-48	25-200 (43)	Calcarenite: light grey, yellow orange at top and iron oxide rich, very fine to dominantly fine grained, moderate calcareous cement, slightly argillaceous, trace very fine to grit frosted quartz sand grains, trace fine black carbonaceous matter, trace to common bryozoa and shell fragments, trace glauconite, rare pyrite, moderately hard, poor visual porosity.
48-260	20-115 (50)	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, rare pyrite, very soft, sticky, non fissile.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 2

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 14/ 2 /97

Rig: ODE-30
Cultus Rep: Henry Flink
Geologist: David Horner

GL(AHD): 96m (AHD)
RT/KB(AHD): 100.3m *(datum)*
Last Casing: 16" at 8.5m

Report to 0600 for 24hrs
0600 Depth: 658m
Progress to 0600: 398m

Comments:

Drilled to 658m, sandline parted whilst retrieving survey tool, POOH to retrieve same and check bit.
Formation top pick reliability - Clifton-good, Narrawaturk-good, Mepunga-good, Dilwyn-good.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
260 - 329	Massive Marl - Gellibrand Marl - No Show
329 - 348	Coquinal Sandstone - Clifton Formation - No Show
348 - 415	Massive Marl - Narrawaturk Marl - No Show
415 - 472	Sandstone grading to and interbedded with minor Claystone - Mepunga Formation - No Show
472 - 658	Sandstone grading to and interbedded with minor Claystone - Dilwyn Formation - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			←		(ppm)		→	
260 - 329	44	0	0	0	0	0	0	Gellibrand Marl
329 - 348	57	0	0	0	0	0	0	Clifton Formation
348 - 415	37	0	0	0	0	0	0	Narrawaturk Marl
415 - 472	24	0	0	0	0	0	0	Mepunga Formation
472 - 658	24	Trace	7	0	0	0	0	Dilwyn Formation

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Forrmation	492	472	-372	20 High
Pember Mudstone	732			
Pebble Point Formation	792			
Paaratte Formation	826			
Skull Creek Mudstone	1118			
Nullawarre Greensand	1166			
Belfast Mudstone	1212			
Waarre Formation Unit "D"	1271			
Waarre Formation Unit "C"	1279			
Waarre Formation Unit "B"	1304			
Waarre Formation Unit "A"	1336			
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
260-329	15-78 (44)	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, rare pyrite, very soft, sticky, non fissile.
329-348	16-100 (57)	Sandstone: orange brown, very fine to pebble, dominantly very coarse, subrounded to rounded, very poorly sorted, weak to moderate calcareous and iron oxide cements, abundant fossil fragments - grades to coquinal calcarenite, abundant dark brown iron oxide pellets, trace to abundant orange brown stained quartz grains, trace to abundant dark green to black glauconite, friable, fair inferred porosity, no oil fluorescence.
348-415	25-67 (37)	Marl: medium green grey to occasionally medium brown grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace to common glauconite, rare very fine black carbonaceous matter, very soft, sticky, non fissile.
415-472	6-120 (24)	Sandstone: medium brown, very fine to grit, dominantly fine and coarse, subrounded to rounded, very poorly sorted, very strong calcareous cement in part, abundant medium brown argillaceous and silt matrix, strong brown stain on quartz grains, common dark brown iron oxide pellets, trace glauconite, trace fossil fragments, friable to occasionally hard, poor visual porosity, no oil fluorescence, interbedded with and grading to: Claystone: dark brown, very silty, often abundant dispersed very fine to grit quartz sand grains, occasionally moderately calcareous, trace micromica, very soft, very dispersive, non fissile.

472-658	4.6-120 (24)	Sandstone: light grey, very fine to grit, dominantly medium to coarse, angular to subrounded, moderately sorted, weak silica cement, common medium brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace coarse muscovite flakes, trace to common pyrite, friable, good inferred porosity, no oil fluorescence with minor interbedded and in part grading to: Claystone: medium to dark brown grey to dark grey, moderately to very silty, abundant dispersed very fine to very coarse quartz sand grains in part, slightly to moderately carbonaceous, trace micromica, trace to common pyrite, soft, very dispersive, slightly subfissile.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 3

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 15/ 2 /97

Rig:	ODE-30	**GL*(AHD)*:**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	724m
Geologist:	David Horner	**Last Casing:**	16"at 8.5m	**Progress to 0600:**	66m

Comments:

POOH, recovered survey barrel, RIH with new bit, drill ahead to 724m - casing depth. POOH to run 9.625" casing. Top Pember pick reliability good.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
658 - 670	Sandstone interbedded with Claystone - Dilwyn Formation - No Show
670 - 724	Claystone with minor interbedded very fine Sandstone - Pember Mudstone - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C1*	*C2*	*C3*	*C4*	*C5*	*Comments*
			←		*(ppm)*		→	
658 - 670	37	0.01	5	Tr	0	0	0	Dilwyn Formation
670 - 724	24	0.01	5	Tr	0	0	0	Pember Mudstone

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792			
Paaratte Formation	826			
Skull Creek Mudstone	1118			
Nullawarre Greensand	1166			
Belfast Mudstone	1212			
Waarre Formation Unit "D"	1271			
Waarre Formation Unit "C"	1279			
Waarre Formation Unit "B"	1304			
Waarre Formation Unit "A"	1336			
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
658-670	19-75 (37)	Sandstone: very light grey to very light brown grey, very fine to grit, dominantly coarse to very coarse, very poorly sorted, weak silica cement, common to abundant medium brown argillaceous and silt matrix, trace yellow to red quartz grains, trace to common pyrite, trace black carbonaceous detritus, friable, good inferred porosity, no oil fluorescence, interbedded with: Claystone: medium brown grey, moderately to very silty, abundant dispersed very fine to grit quartz sand grains in part, slightly to moderately calcareous, slightly carbonaceous, trace black coaly detritus, trace glauconite, trace fossil fragments, trace to common pyrite, trace micromica, soft, very dispersive, non fissile.
670-724	10-38 (24)	Claystone: medium to dark brown grey to very dark green grey, moderately to very silty, slightly to moderately calcareous, common glauconite, common dispersed very fine quartz sand grains in part, trace medium brown cryptocrystalline dolomite, trace fossil fragments, trace pyrite, trace micromica, soft, very dispersive, non fissile, with minor interbedded: Sandstone: very light brown, very fine to occasionally fine, subangular to subrounded, well sorted, very weak silica cement, common to abundant silty matrix, trace very fine carbonaceous detritus, friable, poor inferred porosity, no oil fluorescence.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 4

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 16/ 2 /97

Rig:	ODE-30	**GL*(AHD)*:**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	724m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	0m

Comments:

Run 9.625" casing to 721.5m, cement casing, WOC, nipple-up BOP's.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	
-	
-	
-	
-	
-	
-	
-	
-	

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C1* ← *C2* *C3* (ppm) *C4* *C5* →	*Comments*
-				
-				
-				
-				
-				
-				
-				
-				
-				
-				
-				
-				
-				
-				

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792			
Paaratte Formation	826			
Skull Creek Mudstone	1118			
Nullawarre Greensand	1166			
Belfast Mudstone	1212			
Waarre Formation Unit "D"	1271			
Waarre Formation Unit "C"	1279			
Waarre Formation Unit "B"	1304			
Waarre Formation Unit "A"	1336			
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
No new formation drilled.		

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 5

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 17/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	946m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	222m

Comments:

Finished nippling up BOP's, pressure tested BOP's, drilled out shoe track and new hole to 727m, ran FIT to 310PSI = 11.0 ppg EMD, drilled ahead with 8.5" hole. Pebble Point formation top pick reliability - fair, Paaratte formation top pick reliability - poor.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
724 - 732	Claystone - Pember Mudstone - No Show
732 - 816	Claystone grading to Sandstone - Pebble Point - No Show
816 - 946	Sandstone grading to and interbedded with Claystone - Paaratte - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			←		(ppm)		→	
724 - 732	18	Tr	3	Tr	0	0	0	Pember Mudstone
732 - 816	35	0.5	65	1	0	0	0	Pebble Point
816 - 946	50	0.6	115	2	0	0	0	Paaratte

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118			
Nullawarre Greensand	1166			
Belfast Mudstone	1212			
Waarre Formation Unit "D"	1271			
Waarre Formation Unit "C"	1279			
Waarre Formation Unit "B"	1304			
Waarre Formation Unit "A"	1336			
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description: Interval descriptions / Formation tops

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
724-732	8-20 (18)	Claystone: medium grey to medium green grey, very silty, common dispersed very fine to rarely very coarse quartz sand grains, common glauconite, trace pyrite, trace micromica, soft, very dispersive, non fissile.
732-816	15-60 (35)	Claystone: medium grey to medium green grey, very silty, abundant dispersed very fine to dominantly very coarse to grit quartz sand grains, common glauconite, trace pyrite, trace micromica, soft, very dispersive, non fissile at top grading with depth to: Sandstone: medium yellow brown, very fine to pebble, dominantly very coarse to grit, subangular to subrounded, very poorly sorted, very weak silica cement, abundant medium grey to occasionally medium brown grey argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace glauconite at top, trace pyrite, friable, poor inferred porosity, no oil fluorescence, intermixed with and grading to Claystone: yellow orange brown, iron oxide rich, very silty, common dispersed very fine to grit yellow quartz grains, trace green glauconitic clay, soft, very dispersive, non fissile.
816-946	20-150 (50)	Sandstone: light grey to very light brown grey, very fine to pebble, dominantly coarse to very coarse, subangular to subrounded, very poorly sorted, weak silica cement, trace medium grey and off white argillaceous matrix, common yellow quartz grains, trace to common multicoloured volcanogenic lithics, trace pyrite, trace black coaly detritus, friable, good visual porosity, no oil fluorescence, interbedded with and grading to Claystone: medium grey to medium brown, occasionally off white, very silty, abundant dispersed grit sized quartz and multicoloured volcanogenic sand grains, trace black coaly detritus, trace pyrite, trace micromica, soft, very dispersive, subfissile.

1240.7, 60 m/hr, circ samp 905298 021

CULTUS PETROLEUM N.L. GEOLOGY OPERATIONS REPORT NO. 6

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 18/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	1287.7m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	341.7m

Comments:

Wiper Trip

Drill ahead with 8.5" hole to 1287.7m, circulate returns, wiper trip prior to POOH for core-1. Formation top pick reliability: Skull Creek Mudstone - poor, Nullawarre Greensand - good, Belfast - good, Waarre "D" not present, Waarre "C" good.

tight hole

Lithological and Fluorescence Summary:

Interval (m)	*Description*
946 - 978	Sandstone grading to and interbedded with Claystone - Paaratte - No Show
978 - 1115	Sandstone interbedded with Claystone - Paarratte - No Show
1115 - 1199	Claystone interbedded with Sandstone - Skull Creek - No Show
1199 - 1226	Green Claystone grading to Sandstone - Nullawarre Greensand - No Show
1226 - 1285	Massive Claystone - Belfast Mudstone - No Show
1285 - 1287.7	Massive Sandstone - Waarre "C" - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			←		(ppm)		→	
946 - 978	19.4	0.6	90	2	0	0	0	Paaratte Formation
978 - 1115	32	0.7	110	2	0	0	0	Paaratte Formation
1115 - 1199	24	4	1160	1	0	0	0	Skull Creek Formation
1199 - 1226	27	9	1460	1	0	0	0	Nullawarre Greensand
1226 - 1285	14	5	760	6	0	0	0	Belfast Mudstone
1285 - 1287.7	29	10	1500	10	0	0	0	Waarre "C"

SK1 Unit C ~~GWC~~ LKG 1122.1m SS ⇒ SKW1 ⇒ 1222.4m KB
Unit B * GWC 1140.4m SS ⇒ SKW1 ⇒ 1240.7m KB
Unit C GWC 1162.2m SS ⇒ SKW1 ⇒ 1262.5m KB

Formation Tops:	Prognosed (mRT)	Actual* (mRT)	Actual* (mSS)	Difference* (High/Low)
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	~~14 Low~~
Waarre Formation Unit "C"	1279	1285	-1185 1109	6 Low
Waarre Formation Unit "B"	1304		1 109	
Waarre Formation Unit "A"	1336		76	
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

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Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
946-978	5.5-33 (19)	Sandstone: light grey to light brown grey, very fine to grit, dominantly grit, subangular to subrounded, very poorly sorted, weak silica cement, abundant medium grey and occasionally white argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace multicoloured volcanogenic lithics, trace black carbonaceous detritus, friable, very poor inferred porosity, no oil fluorescence, grading to: Claystone: medium to dark grey, very silty, occasionally abundant dispersed very fine to grit quartz sand grains, trace to common black carbonaceous flecks and rare detritus, trace pyrite, trace micromica, soft, very dispersive, non to slightly subfissile.
978- 1115	4-75 (32)	Sandstone: light grey, very fine to grit, dominantly fine in parts, dominantly coarse in parts, angular to subrounded, dominantly subangular, poorly sorted, weak to occasionally moderate silica cement, trace pyrite cement at top, trace white argillaceous matrix where coarse, abundant white argillaceous matrix where fine, trace yellow quartz grains decreasing with depth, trace grey green cherty lithics, trace to common black carbonaceous detritus, friable, poor to good visual porosity, no oil fluorescence, interbedded with: Claystone: medium to dark grey, very silty, trace very fine quartz and partially altered feldspar laminae in part, common dispersed very fine to grit quartz sand grains in part, trace to common black carbonaceous flecks and detritus, trace to common pyrite, trace to common micromica, soft, very dispersive, non to slightly subfissile.

1115-1199	2-60 (24)	Sandstone: light grey, very fine to medium, dominantly fine, occasionally coarse to grit, angular to subrounded, dominantly subangular, moderately to well sorted, moderate to rarely strong silica cement, weak calcareous cement, common to abundant white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to moderately hard, poor to fair visual porosity, no oil fluorescence, interbedded and laminated with: Claystone: medium brown grey to medium grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, trace pyrite, trace micromica, soft, very dispersive, slightly subfissile.
1199-1226	4-60 (27)	Sandstone: light yellow green, very fine to medium, dominantly fine, subangular to subrounded, moderately sorted, weak silica and calcareous cements, abundant green argillaceous and silt matrix - matrix supported, abundant yellow green quartz grains, trace glauconite, friable, poor inferred porosity, no oil fluorescence, grading to: Claystone: medium green, very silty, abundant dispersed very fine to medium clear-yellow-green quartz sand grains, trace glauconite, trace pyrite, soft, very dispersive, non fissile.
1226-1285	7-25 (14)	Claystone: medium to dark grey, medium brown grey, moderately to very silty, occasional dispersed very fine to fine quartz and altered feldspar sand grains, trace black carbonaceous flecks, trace to abundant glauconite - increases with depth, trace medium brown cryptocrystalline dolomite - increases with depth, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.
1285-1287.7	29-30 (29)	Sandstone: off white to light grey, very fine to grit, dominantly coarse to very coarse, angular to subrounded, poor to moderately sorted, weak silica cement, strong dolomite cement in part, trace to abundant white argillaceous matrix, clear quartz grains, trace pyrite, friable to hard, poor to dominantly very good inferred porosity, no oil fluorescence.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 7

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 19/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	1292.0m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	4.3m

Comments:

Wiper tripped to shoe, drilled 1287.7 to 1290.7m, circulated sample, POOH, pick up core barrel and RIH to cut core-1 1290.7 to 1292m, POOH with core barrel due to low ROP. Core-1 1290.7-1292.0 (1.3m) Recovered 100%.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
1287.7 - 1292	Sandstone with minor laminated Claystone - Waarre "C" - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			←	(ppm)			→	
1287.7 - 1290.7	48	2	550	0	0	0	0	Waarre "C"
1290.7 - 1292	0.7	1.8	232	Trace	0	0	0	Waarre "C" ?

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	~~14 Low~~
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304			
Waarre Formation Unit "A"	1336			
Eumeralla Formation	1351			
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
1287.7-1290.7	45	Sandstone: off white to light grey, very fine to grit, dominantly fine to medium, angular to subrounded, dominantly subangular, very poorly sorted, weak to moderate silica cement, trace white argillaceous matrix, clear to opaque quartz grains, friable, good inferred porosity, no oil fluorescence.
1290.7-1292.0	0.7	Sandstone: light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, moderately hard, poor visual porosity, no oil fluorescence. With 80% at top decreasing to 25% at base of flat wavy laminations (occasionally convoluted) of: Claystone: dark grey, very silty, common black carbonaceous flecks and detritus, common fine to medium grained muscovite flakes, common micromica, abundant dispersed very fine quartz and altered feldspar grains in part, moderately hard, slightly subfissile.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 8

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 20/ 2 /97

Rig: ODE-30
Cultus Rep: Henry Flink
Geologist: David Horner

GL(AHD): 96m
RT: *(datum)* 100.3m
Last Casing: 9.625"at 721.5m

Report to 0600 for 24hrs
0600 Depth: 1325m
Progress to 0600: 33m

Operations at 0600 hrs: Drilling 8.5" hole in the Eumeralla Formation

Previous 24 hour operations:

Cut core -2 1292-1310m - Recovered 100% (cut 18.3m, Recovered 18.3m, 100%). Top formation pick reliability for Waarre units poor. Top pick for Eumeralla - fair. Possible gas saturation in top of Eumeralla from 1307-1311m definition very poor due to mudlogging of gas after trip and having drilled with core bit.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
1292.0 - 1307	Tight Sandstone laminated with Claystone -Waarre Unit "B"
1307 - 1325	Sandstone with minor interbedded Claystone - Eumeralla - Weak Gas Show
1308.5	Trace fluorescene in poor porosity sandstone.
-	
-	
-	
-	

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			←		(ppm)		→	
1292.0 - 1307	3	5	950	0	0	0	0	Waarre "B"
1307 - 1325	12	74	12800	12	0	0	0	Eumeralla
-								
-								
-								
-								
-								
-								

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307 25	-1207	44 High
1400m Eumeralla Sand	1474			
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
1292.0-1307	2.5-5 (3)	**Waarre Formation (also refer to core descriptions)** Sandstone: light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, trace mica flakes, moderately hard, poor visual porosity, no oil fluorescence, with minor medium brown silty to finely arenaceous lamina of: Carbonaceous Siltstone: very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile, and interbedded and laminated: Silty Claystone: very dark brown grey, moderately to very carbonaceous, common black coaly detritus, trace amber, trace micromica, firm to hard, subfissile
1307-1325	2-50 (7)	**Eumeralla Formation** Sandstone: light greenish grey to light brownish grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown and green lithics, trace black coaly detritus, friable to moderately hard, poor visual porosity, no oil fluorescence, interbedded with: Claystone: off white to light blue grey, soft, sticky.

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CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 9

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 21/2/97

Rig: ODE-30 **GL(AHD):** 96m **Report to 0600 for 24hrs**
Cultus Rep: Henry Flink **RT:** *(datum)* 100.3m **0600 Depth:** 1532m
Geologist: David Horner **Last Casing:** 9.625"at 721.5m **Progress to 0600:** 207m

Operations at 0600 hrs: RIH w/ new bit & mud motor
Drilling @ 0900 hours

Comments:

Drilled 8.5"hole to 1500m, circulated geological sample, wiper tripped, drilled ahead to 1532m, circulated bottoms up, POOH for bit change and to pick up mudmotor. Begin RIH with new bit and mud motor. The sample from 1529-1530m, contained what appeared to be live oil fluorescence. This interval was cappped by claystones and tight sandstones. Porosity of the sandstone appeared to be poor, and the sandstone below (from 1530-1532) appeared to have no fluorescence or associated gas. Potential for significant recovery is deemed as very poor due to the thin column present (1 metre) and the low visual porosity of the host rock. The associated gas analysis along with the visual appearance of the oil fluorescence suggest the oil to be live and not residual.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
1325 - 1469	Sandstone with minor interbedded Claystone - Eumeralla - No Show
1469 - 1496	Claystone with interbedded tight Sandstone - Eumeralla - No Show
1496 - 1532	Sandstone with minor interbedded Claystone - Eumeralla 1400m sand
1529 - 1530	Sandstone - Live Oil Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			← (ppm) % →					
1325 - 1469	33	12	2900	61	20	14	0	Upper Eumeralla
1469 - 1496	17	6	1200	25	7	1	0	1400m Sand cap
1496 - 1532	20	11	2200	368	10	2	1	Eumeralla 1400m sand
Peak - 1530	32	38	30500	632	292	103	15	LIVE OIL SHOW

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307	-1207	44 High
1400m Eumeralla Sand	1474	1496	-1396	22 Low
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
1325-1469	7-75 (33)	**Eumeralla Formation** Sandstone: (weathered at top) medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence with minor interbedded: Claystone: (weathered to white clay at top) off white to light green, light to medium brown, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.
1469-1496	4.5-45 (17)	Claystone: light to medium brown, off white to occasionally light green, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile, interbedded with: Sandstone: light to medium green grey, very fine to occasionally medium, dominantly fine, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, very poor visual porosity, no oil fluorescence.

1496-1532	9-60 (20)	Sandstone: light to medium green grey, very fine to occasionally coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence except for interval 1529-1530m (see note below), interbedded with minor: Claystone: off white to light green grey, light to medium brown, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
(1529-1530)	OIL SHOW 32 m/hr	Sandstone: light to medium green grey, very fine to occasionally coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common orange to red lithics, trace black coal detritus, trace to common brown mica flakes, trace pyrite, friable, very poor to poor visual porosity. The sandstone has 5% bright solid yellow white fluorescence giving a weak milky white crush cut, ~~thin very pale yellow white crush cut, thin ring residue.~~ thin very pale yellow ring residue.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 10

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 22/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	1748m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	216m

Comments:

Continued to run in hole with new bit and mud motor, drill ahead to 1595m, circulate geological sample - no show - drill ahead to 1748m, circulate sample, POOH for core-3. Pick up core barrel, RIH with core barrel.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
1532 - 1748	Sandstone interbedded with Claystone - Eumeralla - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	C_1	C_2	C_3	C_4	C_5	*Comments*
			←	(ppm)			→	
1532 - 1748	36	15	3000	110	18	3	0	Eumeralla
Peak - 1685	75	31	5023	152	24	2	0	No Show

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307	-1207	44 High
1400m Eumeralla Sand	1474	1496	-1396	22 Low
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
1532-1748	8.5-100 (36)	Sandstone: medium green grey, fine to coarse, dominantly medium, subangular to subrounded, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common to trace yellow to red lithics, trace black coal detritus, trace green and brown mica flakes, trace pyrite, rare fine garnet, friable, poor to very poor visual porosity, no oil fluorescence, interbedded with: Claystone: light to medium grey to light greenish grey, occasionally light brownish grey, slightly to occasionally very silty, abundant very fine partially altered feldspar, trace black carbonaceous matter, trace brown mica flakes, trace pyrite, firm to moderately hard, non to slightly subfissile.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 11

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 23/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	1818m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	70m

Comments:

Cut core-3 1748.0-1766.3 (18.3m) Recovered 100%. RIH with previous bit and mud motor, drill ahead.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
1748 - 1818	Sandstone interbedded with Claystone - Eumeralla - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1*	*C_2*	*C_3*	*C_4*	*C_5*	*Comments*
			←	(ppm)			→	
1748 - 1818	16	14	2800	70	20	0	0	Eumeralla
Peak - 1785	67	25	5000	93	16	0	0	Eumeralla

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
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Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307	-1207	44 High
1400m Eumeralla Sand	1474	1496	-1396	22 Low
Intra Eumeralla Sand	1780			
T.D.	2000			

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
1748-1818	1.3-67 (16)	Sandstone: medium green grey, fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence, interbedded with: Claystone: off white to light brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace black carbonaceous matter, trace mica flakes, trace micromica, firm to moderately hard, non to slightly subfissile.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 12

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 24/ 2 /97

Rig:	ODE-30	**GL(AHD):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	2000m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	182m

Comments:

Drill ahead with 8.5" hole to 2000m TD. Reached TD at 2000hrs, 23rd February, 1997. Wiper tripped to condition hole prior to logging.

0600 Hours: Wiper trip prior to electric logging.

Forecast: Expect rig up combo tool at 1300 hours.

Logging program: combo, nuclear-NGT & high resolution pass, dipmeter?, velocity survey, sidewall cores.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
1818 - 1855	Sandstone interbedded with Claystone - Eumeralla - No Show
1855 - 2000	Claystone interbedded with Sandstone - Eumeralla - No Show

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C1*	*C2*	*C3*	*C4*	*C5*	*Comments*
			←		(ppm)		→	
1818 - 1855	20	14	2800	59	8	0	0	Eumeralla
1855 - 2000	13	10	1700	26	8	2	0	Eumeralla
Peak - 1957	45	25	4800	122	75	37	31	No Show

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307	-1207	44 High
1400m Eumeralla Sand	1474	1496	-1396	22 Low
Intra Eumeralla Sand	1780	n/p	n/p	n/p
T.D.	2000	2000	-1900	0

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*
1818-1855	10-60 (20)	Sandstone: medium green grey to light grey, fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica and weak calcareous cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence, interbedded with: Claystone: off white to light brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace black carbonaceous matter, trace mica flakes, trace micromica, firm to moderately hard, non to slightly subfissile.
1855-2000 T.D.	3-46 (13)	Claystone: light to medium green grey, light to medium brown grey, rarely dark brown grey, very silty in part, very finely arenaceous where silty often with abundant altered feldspar grains, trace black carbonaceous detritus and laminae, trace micromica, firm, very dispersive, non to slightly subfissile, interbedded with: Sandstone: light to medium green grey, very fine to medium, dominantly fine to medium, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence.

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 13

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 25/ 2 /97

Rig:	ODE-30	**GL*(AHD)*:**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Henry Flink	**RT:** *(datum)*	100.3m	**0600 Depth:**	2000m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	0m

Comments:

POOH, lay out BHA and mudmotor, rig up BPB, run electric logs: Run-1 DLS-SP-CAL-SONIC (TD-Shoe) MLL-ML (TD-1150m), GR (TD-surface) Run-2 PDS-CNL-GR-Cal (1800-1150m) Run-3 Crocker RFT Tool (tool failed part way through tests, POOH Crocker tool, rig-up dipmeter.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	C_1	C_2	C_3	C_4	C_5	*Comments*
			←		(ppm)		→	
-								
-								

Elog fm tops.

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307	-1207	44 High
1400m Eumeralla Sand	1474	1496	-1396	22 Low
Intra Eumeralla Sand	1780	n/p	n/p	n/p
T.D.	2000	2000	-1900	0

* *Provisional, based on mud log.*

Lithological and Fluorescence Description:

Interval (m)	*ROP (Av.) (m/hr)*	*Description*

No new formation drilled.

CULTUS PETROLEUM N.L. GEOLOGY OPERATIONS REPORT NO. 14

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 26/ 2 /97

Rig: ODE-30 **GL(AHD):** 96m **Report to 0600 for 24hrs**
Cultus Rep: Henry Flink **RT:** *(datum)* 100.3m **0600 Depth:** 2000 m TD
Geologist: David Horner **Last Casing:** 9.625"at 721.5m **Progress to 0600:** NIL

Comments:

Run-4 Dipmeter 1350-1050m, Rig up and run BPB RFS tool, recover oil sample from 1530.2m, rig down BPB, RIH for cleanout trip.

Forecast : Run DST 1, Basal Waarre, 1311-1315m, Inflate straddle with GR correction, expect tool open 1800 hrs.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	

Formation Tops:	*Prognosed (mRT)*	*Actual* (mRT)*	*Actual* (mSS)*	*Difference* (High/Low)*
Port Campbell Limestone	4.3 *(surface)*	4.3	+96	0
Gellibrand Marl	-	48	+52	-
Clifton Formation	351	329	-229	22 High
Narrawaturk Marl	-	348	-248	-
Mepunga Formation	429	415	-315	14 High
Dilwyn Formation	492	472	-372	20 High
Pember Mudstone	732	670	-570	62 High
Pebble Point Formation	792	732	-632	60 High
Paaratte Formation	826	816	-716	10 High
Skull Creek Mudstone	1118	1115	-1015	3 High
Nullawarre Greensand	1166	1199	-1099	33 Low
Belfast Mudstone	1212	1226	-1126	14 Low
Waarre Formation Unit "D"	1271	Absent	Absent	14 Low
Waarre Formation Unit "C"	1279	1285	-1185	6 Low
Waarre Formation Unit "B"	1304	1289	-1189	15 High
Waarre Formation Unit "A"	1336	Absent	Absent	-
Eumeralla Formation	1351	1307	-1207	44 High
1400m Eumeralla Sand	1474	1496	-1396	22 Low
Intra Eumeralla Sand	1780	n/p	n/p	n/p
T.D.	2000	2000	-1900	0

* *Provisional, based on mud log.*

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CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 15

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 27/ 2 /97

Rig:	ODE-30	**GL(*AHD*):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Alex Bradley	**RT:** *(datum)*	100.3m	**0600 Depth:**	2000m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	0m

Comments:

Run in hole for cleanout trip, condition mud and circulate hole clean, rig up BPB run-6 Full wave form sonic (TD-1150m), run-6 Velocity Data (20 levels), rig down BPB, RIH with inflate straddle test tools.

Forecast:

DST correlation, Run DST 1, 1527m-1531m, Eumeralla Formation, expect tool open 1000 hrs.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	
-	

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	C_1 ←	C_2	C_3 (ppm)	C_4	C_5 →	*Comments*
-								
-								
-								

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 16

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 28/ 2 /97

Rig:	ODE-30	**GL*(AHD)*:**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Alex Bradley	**RT:** *(datum)*	100.3m	**0600 Depth:**	2000m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	0m

Comments:

RIH inflate straddle tools, rig up BPB and run gamma ray correlation, run DST-1 open hole inflate straddle test 1527-1531m (log depth). Open tool 1218hrs 27-2-97, IF 5 mins, ISI 39 mins, FF 182 mins, FSI 178 mins, reverse circulate out contents of string and balance mud column, recovered 1.5bbls oil and 0.5 bbls oil cut muddy water. POOH with test string. Total recovery from charts 2.13bbls = 11.8 BOPD, API 47, PP 8.7 degrees C.

0600 hours: RIH with test tools for DST 2.

Forecast: DST 2, Basal Waarre/Eumeralla Formation, 1311-1315m (L), Inflate straddle with GR-CCL. Expect tool open 1200 hrs.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	

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CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 17

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 1/3/97

Rig:	ODE-30	**GL(*AHD*):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Alex Bradley	**RT:** *(datum)*	100.3m	**0600 Depth:**	2000m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	0m

Comments:

RIH inflate straddle tools, rig up BPB to run gamma ray correlation, tool failed to pass 784m, Rig down BPB, POOH and remove obstruction from drill pipe, run back in hole to test depth, rig up and BPB gamma Ray correlation, run DST-2 open hole inflate straddle test 1311-1315m (log depth). Open tool 1551hrs 28-2-97, IF 5 mins, ISI 42 mins, FF 122 mins, FSI 125 mins. GTS 77mins at RTSM. Packers failed to unseat, work/jar string, string failed to come free, backed off string at safety joint, reverse circulated contents of string - recovered 17.2 bbls of water and muddy water with Rw = 0.64 at 75 degrees F. Circulated and conditioned mud, POOH.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	*C_1* ← *C_2* *C_3* (ppm) *C_4* *C_5* →	*Comments*
-				
-				

CULTUS PETROLEUM N.L.

GEOLOGY OPERATIONS REPORT NO. 18

Well Name: Skull Creek West-1 **Permit:** PPL1 **Report Date:** 2/ 3 /97

Rig:	ODE-30	**GL(*AHD*):**	96m	**Report to 0600 for 24hrs**	
Cultus Rep:	Alex Bradley	**RT:** *(datum)*	100.3m	**0600 Depth:**	2000m
Geologist:	David Horner	**Last Casing:**	9.625"at 721.5m	**Progress to 0600:**	0m

Comments:

POOH, recover DST tool from safety joint up (bottom mechancal pressure gauge left in hole, other gauges recovered). Recovered 5ml water from DST-2 sample chamber, no pressure, Rw = 0.62 at 72 degrees F. Make up fishing assembly and RIH over shot and grapple, POOH without fish, RIH open ended to set cement plugs and P&A. Rig released 2400 hours, 2/3/97.

Lithological and Fluorescence Summary:

Interval (m)	*Description*
-	No new formation drilled.
-	
-	

Gas Summary:

Interval (m)	*ROP (m/hr)*	*Total (units)*	C_1	C_2	C_3	C_4	C_5	*Comments*
			←	(ppm)			→	
-								
-								
-								

SECTION 3:

DAILY DRILLING REPORTS

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :1 **Report Date: 12/02/97** **Issue Date : 13/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	140.0	HOLE SIZE(") :	12.25	TOT PERS ON SITE :	29
PROGRESS m :	140.0	LAST CSG SIZE(") :	16	AFE COST $:	1,302,100
DAYS FROM SPUD :	0.40	SHOE DEPTH m :	5.30	DAILY COST $:	324,960
DAYS +/- CURVE :		LEAK-OFF SG :		CUM COST $:	324,960

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Good - Fog
STATUS @ 0600 : Drilling at 260m.

Bit Data for Bit # 1

BIT SIZE (") :	12.25	IADC #	
MANUFACTURER :	VA	AVE WOB (k-lbs) :	10
TYPE :	L 114	AVE RPM :	120
SERIAL # :	87809	FLOW (gpm) :	670
DEPTH IN (m RT) :	0	PUMP PRESS. (psi) :	750
DEPTH OUT (m RT) :		NOZZ n/32"	20 20 20
		HHSI (hp/sq in) :	

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	140	CUM. METRAGE (m) :	140
ON BOTTOM HRS :	7.0	CUM. ON BOT. HRS :	7.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	20.0	ROP m/h	20.0

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
1	140	7.0								

Mud Data

DAILY COST : 3,018 CUM COST : 3,018

Chk #:1 / TYPE: Spudmud Chk #:2 / TYPE : Water

Property	Chk1	Chk 2	Property	Chk 1	Chk 2
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	0	0
TIME :	1500	2300	SOLIDS (%vol) :		
WEIGHT(ppg) :	8.8	8.7	H2O (%vol) :	0.0	0.0
DEPTH m :	30	140	OIL (%vol)) :	0	0
VIS. (sec/qt):	40	31	SAND(%vol) :	TR	TR
PV (cp) :	8	0	MBT (ppb eq.) :	25	0
YP (lb/100sf) :	12	0	PH :	9.5	8.50
GEL10s(lb/100sf) :	8	0	Cl- (ppm) :	1000	9500
GEL10m(lb/100sf) :	14	0	K+ (ppm) :	0	9000
Fann 3RPM :	0	0	HRD/CA (ppm)	80	80
Fann 6RPM :	0	0	API F. loss :	0.0	0.0

BHA Data : BHA #1

BHA LENGTH (m) :	140.0	WT BLW JAR(k-lbs):		STRING WT(k-lbs) :	45,000
HRS ON JARS :	0	BHA WT(k-lbs) :	45,000	PICK UP WT(k-lbs) :	
				SLK OFF WT(k-lbs) :	

TRQE MAX (amps) : 120
TRQE ON (amps) :
TRQE OFF (amps) :

BHA DESCRIPTION : Bit # 1- NB Stab-1x8" DC-S/Stab-1x8" DC-S/Stab-XO-XO-1x6 1/2" NMDC-XO-8x 6 1/2" DC - JAR

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	30600	CEMENT (sx):	1050
POT WATER (MT):	0	BARITE (sx) :	1050	GEL (sx):	84

Survey (last 4 points) Tool Type :Totco

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
32		0.75				

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	120	95.0	670	750			
2	GD-PZ-8	6.00	120	95.0					

Personnel on Site =29

NAME	JOB TITLE	COMPANY NAME	#
David Horner	Geologist	ODE	22
		Halliburton	4
		IDFS	1
Henry Flink	Drilling Supervisor	Cultus	2

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL		LAST CSG PRESS TEST	
FIRE		SAFETY MEETING	12/02/9
PIT DRILL		SAFETY INSPECTION	
INCIDENT	1/2/97	DAYS SINCE LAST BOP TES	
		LAST BOP TEST	

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell lime stone	4.30	1
Gellibrand Marl	48.00	1

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :1 Report Date: 12/02/97 Issue Date : 13/02/97

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON12/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	14:00	17:00	3.0	40	Spud Well @ 1400 hrs. Drill to 40m. (Held pre-spud&safety meeting, tested mud pumps to l/kelly cock 300/2000 psi. tested EMS prior to spud)
I1	PD	RR	17:00	17:30	.5	40	Rack kelly p/u elevators and bails
I1	PD	HT	17:30	18:30	1.0	40	Install NB Stab. and ream from btm of conductor to 13 m
I1	PD	HT	18:30	19:30	1.0	40	P/U and install S/Stabilizer at 12 and 22m.
I1	PD	D	19:30	20:00	.5	45	Drill F/40 to 45m
I1	PD	S	20:00	20:30	.5	45	Circulate and surveyed at 32m - 3/4" Deg
I1	PD	S	20:30	24:00	3.5	140	Drill 12.25" hole F/ 45 to 140m.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON13/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	05:00	5.0	260	Drill F/ 140 to 260m
I1	PD	RR	05:00	06:00	1.0	260	Tighten all connection on Kelly

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CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :2 **Report Date: 13/02/97** **Issue Date : 14/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	611.0	HOLE SIZE("):	12.25	TOT PERS ON SITE :	31
PROGRESS m :	471.0	LAST CSG SIZE("):	16	AFE COST $:	1,302,100
DAYS FROM SPUD :	1.40	SHOE DEPTH m :	5.30	DAILY COST $:	22,162
DAYS +/- CURVE :		LEAK-OFF SG :		CUM COST $:	347,122

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Good - Fog
STATUS @ 0600 : POH to recover survey barrel

Bit Data for Bit # 1

BIT SIZE (") :	12.25	IADC #	
MANUFACTURER :	VA	AVE WOB (k-lbs) :	10
TYPE :	L 114	AVE RPM :	120
SERIAL # :	87809	FLOW (gpm) :	670
DEPTH IN (m RT) :	0	PUMP PRESS. (psi):	1,250
DEPTH OUT (m RT) :		NOZZ n/32"	20 20 20
		HHSI (hp/sq in) :	

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	471	CUM. METRAGE (m) :	611
ON BOTTOM HRS :	22.0	CUM. ON BOT. HRS :	29.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	21.4	ROP m/h	21.1

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
1	611	29.0								

Mud Data

DAILY COST : 1,358 CUM COST : 4,376

Chk #:3 / TYPE: Water Chk #:4 / TYPE : PHG

Property	Chk3	Chk 4	Property	Chk 3	Chk 4
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	32	36
TIME :	1500	23.30	SOLIDS (%vol) :		4.1
WEIGHT(ppg) :	9.3	9.0	H2O (%vol) :	0.0	95.9
DEPTH m :	460	600	OIL (%vol)) :	0	0
VIS. (sec/qt):	32	36	SAND(%vol) :	TR	.75
PV (cp) :	3	8	MBT (ppb eq.) :	0	18
YP (lb/100sf) :	6	9	PH :	8.0	9.00
GEL10s(lb/100sf) :	4	9	Cl- (ppm) :	5000	5000
GEL10m(lb/100sf) :	9	16	K+ (ppm) :	0	0
Fann 3RPM :	0	0	HRD/CA (ppm)	80	80
Fann 6RPM :	0	0	API F. loss :	0.0	0.0

BHA Data : BHA #1

BHA LENGTH (m) :	257.4	WT BLW JAR(k-lbs):	36	STRING WT(k-lbs) :	80	TRQE MAX (amps) :	400
HRS ON JARS :	22	BHA WT(k-lbs) :	42	PICK UP WT(k-lbs) :	85	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	75	TRQE OFF (amps) :	

BHA DESCRIPTION : Bit # 1- NB Stab-1x8" DC-S/Stab-1x8" DC-S/Stab-XO-XO-1x6 1/2" NMDC-XO-8x 6 1/2" DC - JAR-2x6 1/2"DC-12x 4 1/2" Hwdp

Bulk Stocks on site

DRILL WATER (MT): 0 FUEL (ltr): 28050 CEMENT (sx): 1050
POT WATER (MT): 0 BARITE (sx) : 1050 GEL (sx): 84

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
32		0.75				
234		0.75	5NE			
433		0.20	1SE			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	120	95.0	670	750			
2	GD-PZ-8	6.00	120	95.0					

Personnel on Site = 31

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	2
David Horner	Geologist	ODE	24
		Halliburton	4
		IDFS	1

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL		LAST CSG PRESS TEST	
FIRE		SAFETY MEETING	12/02/9
PIT DRILL		SAFETY INSPECTION	
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	
		LAST BOP TEST	

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell Limestone	4.30	1
Gellibrand Marl	48.00	1
Clifton Fm	329.00	1
Narrawaturk Marl	348.00	1
Mepunga	415.00	1
Dilwyn Fm	472.00	1

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :2 **Report Date: 13/02/97** **Issue Date : 14/02/97**

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON13/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	05:00	5.0	260	Drill F/ 140 to 260m
I1	TD	RR	05:00	06:00	1.0	260	Tighten all connection on Kelly
I1	PD	D	06:00	07:00	1.0	279	Drill F/260 to 279m
I1	PD	S	07:00	07:30	.5	279	Circ/Survey - Survey depth 234m
I1	PD	D	07:30	16:30	9.0	479	Drill 12.25" hole F/279 to 478m.
I1	PD	S	16:30	17:00	.5	479	Circ/Survey- survey depth 433m
I1	PD	D	17:00	24:00	7.0	611	Drill 12.25" hole F/478 to 611m

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON14/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	03:30	3.5	658	Drill F/611 to 658m
I1	PD	S	03:30	04:00	.5	658	Circ/Survey -Survey depth 622m
I1	TD	S	04:00	04:30	.5	658	Survey barrel stuck 29m above totco ring- slick line parted
I1	TD	S	04:30	06:00	1.5	658	POH to recover survey barrel. Work pipe across tight spots at 0600

D/A from midday.
To @ evening.

905298 050

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :3 **Report Date: 14/02/97** **Issue Date : 17/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	724.0	HOLE SIZE(") :	12.25	TOT PERS ON SITE :	33
PROGRESS m :	113.0	LAST CSG SIZE(") :		AFE COST $:	1,302,100
DAYS FROM SPUD :	2.40	SHOE DEPTH m :		DAILY COST $:	27,258
DAYS +/- CURVE :		LEAK-OFF SG :		CUM COST $:	374,380

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Good
STATUS @ 0600 : Running 9 5/8" casing

Bit Data for Bit #2

IADC # 1 1 4

BIT SIZE (") :	12.25	AVE WOB (k-lbs) :	20
MANUFACTURER :	VA	AVE RPM :	120
TYPE :	L 114	FLOW (gpm) :	670
SERIAL # :	109166	PUMP PRESS. (psi) :	1,300
DEPTH IN (m RT) :	658	NOZZ n/32"	20 20 20
DEPTH OUT (m RT) :	724	HHSI (hp/sq in) :	

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	66	CUM. METRAGE (m) :	66
ON BOTTOM HRS :	3.5	CUM. ON BOT. HRS :	3.5
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	18.9	ROP m/h	18.9

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
1	658	32.5	2	4	R	A	E	1/	N	DTF
2	66	3.5	1	1	W	A	E	I	N	CS

Mud Data

DAILY COST : 111

Chk #:5 / TYPE: PHG Chk #:6 / TYPE : PHG

Property	Chk5	Chk 6	Property	Chk 5	Chk 6
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	37	37
TIME :	1500	23.30	SOLIDS (%vol) :	4.8	5.5
WEIGHT(ppg) :	9.1	9.2	H2O (%vol) :	95.2	94.5
DEPTH m :	692	724	OIL (%vol)) :	0	0
VIS. (sec/qt):	35	37	SAND(%vol) :	TR	TR
PV (cp) :	8	8	MBT (ppb eq.) :	18	18
YP (lb/100sf) :	11	9	PH :	9.2	9.20
GEL10s(lb/100sf) :	9	9	Cl- (ppm) :	3000	2500
GEL10m(lb/100sf) :	15	22	K+ (ppm) :	0	0
Fann 3RPM :	0	0	HRD/CA (ppm)	40	40
Fann 6RPM :	0	0	API F. loss :	0.0	0.0

BHA Data : BHA #1

BHA LENGTH (m) :	257.4	WT BLW JAR(k-lbs):	36	STRING WT(k-lbs) :	80	TRQE MAX (amps) :	400
HRS ON JARS :	26	BHA WT(k-lbs) :	42	PICK UP WT(k-lbs) :	85	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	75	TRQE OFF (amps) :	

BHA DESCRIPTION : Bit # 1- NB Stab-1x8" DC-S/Stab-1x8" DC-S/Stab-XO-XO-1x6 1/2" NMDC-XO-8x 6 1/2" DC - JAR-2x6 1/2"DC-12x 4 1/2" Hwdp

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	23600	CEMENT (sx):	1050
POT WATER (MT):	0	BARITE (sx) :	1050	GEL (sx):	84

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
234		0.75	5NE			
433		0.20	1SE			
614		0.50	0SW			
680		0.75	8SW			

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell Limestone	4.30	1
Gellibrand Marl	48.00	1
Clifton Fm	329.00	1
Narrawaturk Marl	348.00	1
Mepunga	415.00	1
Dilwyn Fm	472.00	1
Pember Mud stone	670.00	2
Pebble Point	732.00	3
Paaratte	816.00	3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :3 **Report Date: 14/02/97** **Issue Date : 17/02/97**

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON 14/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	03:30	3.5	658	Drill F/611 to 658m
I1	PD	S	03:30	04:00	.5	658	Circ/Survey -Survey depth 622m
I1	TD	S	04:00	04:30	.5	658	Survey barrel stuck 29m above totco ring- slick line parted
I1	TD	S	04:30	07:00	2.5	658	POH to recover survey barrel.Work pipe across tight spots.at 0600 last Hwdp35 Kips o/p at 457-466m.25Kkips at 520 to 523m , 500 to 504m
I1	TD	S	07:00	08:30	1.5	658	L/out 8" DC and 1 stab.gauge/clean stab-brk NB and bit. retrieve survey barrel M//U bit /stab/8" dc .(surv.barrel on top f/valve)
I1	TD	S	08:30	10:00	1.5	658	RIH to 457m.HUD
I1	TD	S	10:00	10:30	.5	658	Ream/Wash 457 to 469 m.
I1	TD	S	10:30	11:00	.5	658	Cont RIH to 579m . HUD
I1	TD	S	11:00	14:00	3.0	658	Ream F/579 to 658m.
I1	PD	S	14:00	14:30	.5	658	Circ/survey .Survey depth 614 m.
I1	PD	D	14:30	18:00	3.5	724	Drill 12.25" hole f/ 658 to 724m.
I1	PD	CIR	18:00	18:30	.5	724	Circulate Btm up / clean.
I1	PD	S	18:30	19:00	.5	724	Run survey- surv. depth 680. Pump slug
I1	PD	CS	19:00	21:00	2.0	724	Wiper trip back to nb at floor. max 20 kips over pull
I1	PD	CS	21:00	22:30	1.5	724	RIH to Btm.No fill
I1	PD	CIR	22:30	23:00	.5	724	Circulate bottom up
I1	PD	TO	23:00	24:00	1.0	724	POH- Strap out

905298 052

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :4 **Report Date: 15/02/97** **Issue Date : 17/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	724.0	HOLE SIZE("):	12.25	TOT PERS ON SITE :	33
PROGRESS m :	0.0	LAST CSG SIZE("):	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	3.40	SHOE DEPTH m :	721.50	DAILY COST $:	94,658
DAYS +/- CURVE :		LEAK-OFF SG :		CUM COST $:	469,038

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Good
STATUS @ 0600 : Nipple up BOP

Bit Data for Bit #3

BIT SIZE (") :
MANUFACTURER :
TYPE :
SERIAL # :
DEPTH IN (m RT) :
DEPTH OUT (m RT) :

IADC #
AVE WOB (k-lbs) :
AVE RPM :
FLOW (gpm) :
PUMP PRESS. (psi):
NOZZ n/32"
HHSI (hp/sq in) :

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
3										

Mud Data

DAILY COST : 0

Chk #:7 / TYPE: PHG Chk #:0 / TYPE :

Property	Chk7	Chk 0	Property	Chk 7	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	38	0
TIME :	1030		SOLIDS (%vol) :	5.5	
WEIGHT(ppg) :	9.2	0.0	H2O (%vol) :	94.5	0.0
DEPTH m :	724	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	38	0	SAND(%vol) :	TR	
PV (cp) :	8	0	MBT (ppb eq.) :	18	0
YP (lb/100sf) :	9	0	PH :	9.0	0.00
GEL10s(lb/100sf) :	9	0	Cl- (ppm) :	2500	0
GEL10m(lb/100sf) :	20	0	K+ (ppm) :	0	0
Fann 3RPM :	0	0	HRD/CA (ppm)	40	0
Fann 6RPM :	0	0	API F. loss :	0.0	0.0

BHA Data : BHA #2

BHA LENGTH (m) :
HRS ON JARS :
BHA DESCRIPTION :

WT BLW JAR(k-lbs):
BHA WT(k-lbs) :

STRING WT(k-lbs) :
PICK UP WT(k-lbs) :
SLK 0FF WT(k-lbs) :

TRQE MAX (amps) :
TRQE ON (amps) :
TRQE OFF (amps) :

Bulk Stocks on site

DRILL WATER (MT): 0 FUEL (ltr): 20550 CEMENT (sx): 490
POT WATER (MT): 0 BARITE (sx) : 1050 GEL (sx): 84

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
234		0.75	5NE			
433		0.20	1SE			
614		0.50	0SW			
680		0.75	8SW			

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell Limestone	4.30	1
Gellibrand Marl	48.00	1
Clifton Fm	329.00	1
Narrawaturk Marl	348.00	1
Mepunga	415.00	1
Dilwyn Fm	472.00	1
Pember Mud stone	670.00	2
Pebble Point	732.00	3
Paaratte	816.00	3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL **DAILY DRILLING REPORT** **SKULL CREEK WEST**

REPORT# :4 **Report Date: 15/02/97** **Issue Date : 17/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON 15/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TO	00:00	01:00	1.0	724	Continue pull out of hole. Strap out.No correction
I1	PD	HT	01:00	02:30	1.5	724	Layed out 3 x 8" DC and Stabilizer.
I1	PD	RR	02:30	03:30	1.0	724	Rig up to run casing.
I1	PD	RC	03:30	09:00	5.5	724	Held pre-job safety meeting- ran 9 5/8" casing -27 jts Btc/47-6 jts Btc/43.5-26 jts Ltc/36
I1	PD	RR	09:00	09:30	.5	724	M/U Land. joint-Land casing at 721.5 m.-m/u cmt head
I1	PD	CIC	09:30	10:30	1.0	724	Circulate 1.4x casing content and hole clean.Held pre - job safety meeting
I1	PD	CM	10:30	12:30	2.0	724	HB pump 20 bbls water - p/test.3000 psi. m/pump 171 bbls 12. 5 slurry.(mw 3% phg)& 21bbls 15.8 ppg slurry.chase w/10 bbls water and 170 bbls mud,bump plug w/800 psi.p/test csg to 2000 psi /10 min.F/ held,full return.Cmt to surface.
I1	PD	WO	12:30	18:00	5.5	724	WOC.Cut conductor and prepare to nipple up
I1	PD	CS	18:00	19:30	1.5	724	Slack off - no drop.R/d cmt equipment.L/out m/hole.b/off lnd jt and l/out.p/u kelly
I1	PD	HU	19:30	20:30	1.0	724	Made up 95/8x133/8" section A on csg.
I1	PD	BO	20:30	24:00	3.5	724	Nipple up BOP.

905298 054

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :5 **Report Date: 16/02/97** **Issue Date : 17/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	795.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	33
PROGRESS m :	71.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	4.40	SHOE DEPTH m :	721.50	DAILY COST $:	34,052
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	503,090

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Good
STATUS @ 0600 : Drilling 8.5" hole @ 945m.

Bit Data for Bit # 3

BIT SIZE (") :	8.50	IADC #	
MANUFACTURER :	RE	AVE WOB (k-lbs) :	25
TYPE :	EHP41HLK	AVE RPM :	110
SERIAL # :	RT 2621	FLOW (gpm) :	450
DEPTH IN (m RT) :	724	PUMP PRESS. (psi) :	1,100
DEPTH OUT (m RT) :		NOZZ n/32"	14 14 14
		HHSI (hp/sq in) :	3.60

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	71	CUM. METRAGE (m) :	71
ON BOTTOM HRS :	3.5	CUM. ON BOT. HRS :	3.5
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	20.3	ROP m/h	20.3

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
3	71	3.5								

Mud Data

DAILY COST : 8,253 CUM COST : 12,740

Chk #:8 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk 8	Chk 0	Property	Chk 8	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	38	0
TIME :	0030		SOLIDS (%vol) :	.6	
WEIGHT(ppg) :	8.5	0.0	H2O (%vol) :	99.4	0.0
DEPTH m :	795	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	44	0	SAND(%vol) :	TR	
PV (cp) :	11	0	MBT (ppb eq.) :	3	0
YP (lb/100sf) :	16	0	PH :	9.0	0.00
GEL10s(lb/100sf) :	4	0	Cl- (ppm) :	14000	0
GEL10m(lb/100sf) :	8	0	K+ (ppm) :	8000	0
Fann 3RPM :	0	0	HRD/CA (ppm)	80	0
Fann 6RPM :	0	0	API F. loss :	12.4	0.0

BHA Data : BHA #2

BHA LENGTH (m) :	300.0	WT BLW JAR(k-lbs):	41	STRING WT(k-lbs) :	90
HRS ON JARS :	40	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	90
				SLK 0FF WT(k-lbs) :	90

TRQE MAX (amps) :
TRQE ON (amps) :
TRQE OFF (amps) :

BHA DESCRIPTION : BIT # 3- 8.5NR/RM-PDC-8.5 R/RM- XO-NMDC-XO-8.5 SSTAB-15x6.5 DC-JAR-2x6.5DC-12x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	17600	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	1003	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
234		0.75	5NE			
433		0.20	1SE			
614		0.50	0SW			
680		0.75	8SW			

Current Pump Data and Slow Circulating Rate Data

	Pump Data - last 24 hrs						SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	80	95.0	450	1100	45	170	729
2	GD-PZ-8	6.00	80	95.0		1100	55	240	729

Personnel on Site = 33

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	2
David Horner	Geologist	ODE	26
		Halliburton	4
		IDFS	1

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	16/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	16/02/9	SAFETY MEETING	14.02/9
PIT DRILL		SAFETY INSPECTION	
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	0
		LAST BOP TEST	16/02/9

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell Limestone	4.30	1
Gellibrand Marl	48.00	1
Clifton Fm	329.00	1
Narrawaturk Marl	348.00	1
Mepunga	415.00	1
Dilwyn Fm	472.00	1
Pember Mud stone	670.00	2
Pebble Point	732.00	3
Paaratte	816.00	3

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :5 **Report Date: 16/02/97** **Issue Date : 17/02/97**

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON16/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	BO	00:00	08:30	8.5	724	Continue nippple up BOP
I1	PD	BO	08:30	09:00	.5	724	R/U HB to test BOP held pre-job safety meeting.
I1	PD	BO	9:00	13:00	4.0	724	P/Test all surface equipment to 300/3000 psi-BOP rams/valves/lines to 300/2000 psi-annular to 300/1500 and casing to 300/2000 psi.Held muster drill.2/5 min
I1	PD	HT	13:00	15:00	2.0	724	M/U 6 1/2" BHA-P/U 7x 61/2' DC.-RIH w/bha
I1	PD	SC	15:00	15:30	.5	724	Slip line -Adjust brake
I1	PD	TI	15:30	18:00	2.5	724	Continue RIH- P/U Kelly tag toc at 707m
I1	PD	DFS	18:00	19:30	1.5	724	Drill out f/collar shoe track shoe and clean pocket to 724m
I1	PD	D	19:30	20:00	.5	727	Drill 8.5" hole f/724 to 727m
I1	PD	LOT	20:00	21:00	1.0	724	Circulate balance/perform leak off test.310 psi surf. press / 8.5 ppg mud/shoe 721.5m EMD 11.0 ppg (1.32 SG)
I1	PD	D	21:00	24:00	3.0	724	Drill 8.5" hole F/727 to 795 m .

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON17/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	06:00	6.0	945	Drill 8.5" hole F/795 to 946m.

905298 056

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :6 **Report Date: 17/02/97** **Issue Date : 18/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	1,240.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	37
PROGRESS m :	445.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	
DAYS FROM SPUD :	5.50	SHOE DEPTH m :	721.50	DAILY COST $:	33,196
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	536,286

Gas and General Data

MAX GAS % :	.5	WEATHER :	Good
B/G GAS % :		STATUS @ 0600 :	Wiper trip prior coring

Bit Data for Bit # 3

BIT SIZE (") :	8.50	IADC #	
MANUFACTURER :	RE	AVE WOB (k-lbs) :	25
TYPE :	EHP41HLK	AVE RPM :	110
SERIAL # :	RT 2621	FLOW (gpm) :	450
DEPTH IN (m RT) :	724	PUMP PRESS. (psi) :	1,250
DEPTH OUT (m RT) :	1287	NOZZ n/32"	14 14 14
		HHSI (hp/sq in) :	3.60

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	294	CUM. METRAGE (m) :	563
ON BOTTOM HRS :	23.0	CUM. ON BOT. HRS :	30.5
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	12.8	ROP m/h	18.5

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
3	365	26.5								

Mud Data

DAILY COST : 5,897 CUM COST : 18,637

Chk #:10 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk10	Chk 0	Property	Chk 10	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	38	0
TIME :	00.30		SOLIDS (%vol) :	2.1	
WEIGHT(ppg) :	8.8	0.0	H2O (%vol) :	97.9	0.0
DEPTH m :	1243	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	45	0	SAND(%vol) :	075	
PV (cp) :	3	0	MBT (ppb eq.) :	8	0
YP (lb/100sf) :	18	0	PH :	8.5	0.00
GEL10s(lb/100sf) :	4	0	Cl- (ppm) :	10000	0
GEL10m(lb/100sf) :	6	0	K+ (ppm) :	8000	0
Fann 3RPM :	0	0	HRD/CA (ppm)	80	0
Fann 6RPM :	0	0	API F. loss :	7.0	0.0

BHA Data : BHA #2

BHA LENGTH (m) :	300.0	WT BLW JAR(k-lbs):	41	STRING WT(k-lbs) :	90	TRQE MAX (amps) :	
HRS ON JARS :	40	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	90	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	90	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT # 3- 8.5NR/RM-PDC-8.5 R/RM- XO-NMDC-XO-8.5 SSTAB-15x6.5 DC-JAR-2x6.5DC-12x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	12650	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	1003	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
433		0.20	143			
614		0.50	222			
680		0.75	230			
1,028		0.70	234			

Current Pump Data and Slow Circulating Rate Data

	Pump Data - last 24 hrs						SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	80	95.0	450	1100	45	170	1049
2	GD-PZ-8	6.00	80	95.0		1100	55	220	1049

Personnel on Site = 37

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	4
David Horner	Geologist	ODE	26
Rick Jason	Geologist	Halliburton	4
Adam Claxton	Geologist	IDFS	1
Bruce Richardson	Drilling Engineer	Aust.DST	2

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	16/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	14.02/9
PIT DRILL	17/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	1
		LAST BOP TEST	16/02/9

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell Limestone	4.30	1
Gellibrand Marl	48.00	1
Clifton Fm	329.00	1
Narrawaturk Marl	348.00	1
Mepunga	415.00	1
Dilwyn Fm	472.00	1
Pember Mud stone	670.00	2
Pebble Point	732.00	3
Paaratte	816.00	3
Skull Creek	1,115.00	3
Belfast Mudstone	1,226.00	3
Waarre D none		3
Waarre C	1,285.00	3

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :6 **Report Date: 17/02/97** **Issue Date : 18/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON17/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	09:00	9.0	1,002	Drill 8.5" hole F/795 to 1002m.
I1	PD	RS	09:00	09:30	.5	1,002	Rig service
I1	PD	D	09:30	12:00	2.5	1,040	Drill 8.5" hole f/1002 to 1040m
I1	PD	S	12:00	12:30	.5	1,040	Circulate and survey at 1029m. (2 run)
I1	PD	D	12:30	24:00	11.5	1,240	Drill 8.5" hole F/1040 to 1240m.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON18/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	04:00	4.0	1,287	Drill 8.5" hole F/1240 to 1287m
I1	PD	CS	04:00	04:30	.5	1,287	Flow check-Circ. up sample for Geologist
I1	PD	TOT	04:30	06:00	1.5	1,287	POH wiper trip- Hole tight -p /u kelly at 1198m

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CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :7 **Report Date: 18/02/97** **Issue Date : 19/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	1,290.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	36
PROGRESS m :	50.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	6.40	SHOE DEPTH m :	721.50	DAILY COST $:	42,369
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	578,655

Gas and General Data

MAX GAS % :	.5	WEATHER :	Good
B/G GAS % :		STATUS @ 0600 :	POH w/ Core barrel

Bit Data for Bit # 3

IADC # 4 1 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	25
MANUFACTURER :	RE	AVE RPM :	110
TYPE :	EHP41HLK	FLOW (gpm) :	450
SERIAL # :	RT 2621	PUMP PRESS. (psi) :	1,250
DEPTH IN (m RT) :	724	NOZZ n/32"	14 14 14
DEPTH OUT (m RT) :	1290	HHSI (hp/sq in) :	3.60

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	50	CUM. METRAGE (m) :	566
ON BOTTOM HRS :	4.5	CUM. ON BOT. HRS :	31.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	11.1	ROP m/h	18.3

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
3	415	31.0	2	2	E	C	E	1	R	CP

Mud Data

DAILY COST : 3,536 CUM COST : 22,173

Chk #:13 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk13	Chk 0	Property	Chk 13	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	38	0
TIME :	0130		SOLIDS (%vol) :	2.1	
WEIGHT(ppg) :	9.0	0.0	H2O (%vol) :	97.9	0.0
DEPTH m :	1290	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	45	0	SAND(%vol) :	075	
PV (cp) :	13	0	MBT (ppb eq.) :	8	0
YP (lb/100sf) :	19	0	PH :	8.0	0.00
GEL10s(lb/100sf) :	4	0	Cl- (ppm) :	10000	0
GEL10m(lb/100sf) :	6	0	K+ (ppm) :	7000	0
Fann 3RPM :	0	0	HRD/CA (ppm)	80	0
Fann 6RPM :	0	0	API F. loss :	5.5	0.0

BHA Data : BHA #4

BHA LENGTH (m) :	300.0	WT BLW JAR(k-lbs):	41	STRING WT(k-lbs) :	90	TRQE MAX (amps) :	60
HRS ON JARS :	60	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	115	TRQE ON (amps) :	60
				SLK 0FF WT(k-lbs) :	105	TRQE OFF (amps) :	

BHA DESCRIPTION : Core bit #1RR, 2 x core barrel, XO, 15 x 6.5" DC, 6.5" jars, 2 x 6.5" DC, 12 x 4.5" HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	32960	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	953	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
614		0.50	222			
680		0.75	230			
1,028		0.70	234			
1,278		2.50	027			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	80	95.0	450	1400	45	250	1249
2	GD-PZ-8	6.00	80	95.0		1400	55	320	1249

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	16/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	14.02/9
PIT DRILL	17/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	2
		LAST BOP TEST	16/02/9

Personnel on Site = 36

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	5
David Horner	Geologist	ODE	26
Rick Jason	Geologist	Halliburton	2
Adam Claxton	Geologist	IDFS	1
Bruce Richardson	Drilling Engineer	Aust.DST	2

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Port Campbell Limestone	4.30	1
Gellibrand Marl	48.00	1
Clifton Fm	329.00	1
Narrawaturk Marl	348.00	1
Mepunga	415.00	1
Dilwyn Fm	472.00	1
Pember Mud stone	670.00	2
Pebble Point	732.00	3
Paaratte	816.00	3
Skull Creek	1,115.00	3
Belfast Mudstone	1,226.00	3
Waarre D none		3
Waarre C	1,285.00	3

CULTUS PETROLEUM NL **DAILY DRILLING REPORT** **SKULL CREEK WEST**

REPORT# :7 **Report Date: 18/02/97** **Issue Date : 19/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON18/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	D	00:00	04:00	4.0	1,287	Drill 8.5" hole F/1240 to 1287m
I1	PD	CS	04:00	04:30	.5	1,287	Flow check-Circ. up sample for Geologist
I1	PD	TOT	04:30	06:00	1.5	1,287	POH wiper trip- Hole tight -p /u kelly at 1198m
I1	PD	TOT	06:00	10:00	4.0	1,287	Circulate and work single with kelly.Pump out from 189 to 1113m.Max over pull 40k
I1	PD	TRP	10:00	11:00	1.0	1,287	Continue wiper trip to shoe.
I1	PD	TRP	11:00	12:30	1.5	1,287	RIH on wiper trip. Work tight hole from 1075 to 1113 mRT. Drag 30k, max O/P 15k
I1	PD	RW	12:30	13:00	.5	1,287	Pick up kelly and wash from 1280 to bottom.
I1	PD	CS	13:00	13:30	.5	1,290	Drill from 1287 to 1290. Circulate bottoms up.
I1	PD	S	13:30	14:30	1.0	1,290	Drop survey, slug pipe and flowcheck
I1	PD	TRP	14:30	18:00	3.5	1,290	POH SLM. Work tight hole from 1037 to 981 mRT.
I1	PD	HT	18:00	20:00	2.0	1,290	Pick up and make up core barrel.
I1	PD	TRP	20:00	22:30	2.5	1,290	RIH core barrel assembly to 1279 mRT.
I1	PD	RW	22:30	23:00	.5	1,290	Pick up kelly, wash to bottom
I1	PD	CIR	23:00	23:30	.5	1,290	Drop ball and circulate
I1	PD	CO	23:30	24:00	.5	1,290	Cut Core#1. Coring at 0.7 - 1.0 m/hr

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON19/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	CO	00:00	02:30	2.5	1,292	Continue cutting core # 1.Slow progress.Core # f/ 1290.7 to 1292m
I1	PE	CO	02:30	05:00	2.5	1,292	Slug pipe -POH w/ core # 1
I1	PE	CO	05:00	06:00	1.0	1,292	Recover Core # 1 - 100 % recovery.

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CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :8 **Report Date: 19/02/97** **Issue Date : 20/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	1,310.0	HOLE SIZE("):	8.50	TOT PERS ON SITE :	33
PROGRESS m :	20.0	LAST CSG SIZE("):	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	7.40	SHOE DEPTH m :	721.50	DAILY COST $:	41,330
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	619,985

Gas and General Data

MAX GAS % :	1.5	WEATHER :	Fine and hot
B/G GAS % :		STATUS @ 0600 :	Drilling ahead in 8.5" hole at 1325 mRT.

Bit Data for Bit # CH2

BIT SIZE (") :	8.50	IADC #	
MANUFACTURER :	SE	AVE WOB (k-lbs) :	5
TYPE :	CD93	AVE RPM :	65
SERIAL # :	7970033	FLOW (gpm) :	350
DEPTH IN (m RT) :	1292	PUMP PRESS. (psi):	800
DEPTH OUT (m RT) :	1310	NOZZ n/32"	
		HHSI (hp/sq in) :	

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	18	CUM. METRAGE (m) :	18
ON BOTTOM HRS :	7.0	CUM. ON BOT. HRS :	7.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	2.6	ROP m/h	2.6

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
RRC	2	3.0	4	4	W	N	X	I	N	PR
CH2	18	7.0	0	0	N	A	X	I	N	BH

Mud Data

DAILY COST : 1,772 CUM COST : 23,945

Chk #:15 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk15	Chk 0	Property	Chk 15	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	38	0
TIME :	2300		SOLIDS (%vol) :	2.1	
WEIGHT(ppg) :	9.0	0.0	H2O (%vol) :	97.9	0.0
DEPTH m :	1310	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	47	0	SAND(%vol) :	TR	
PV (cp) :	13	0	MBT (ppb eq.) :	8	0
YP (lb/100sf) :	19	0	PH :	9.0	0.00
GEL10s(lb/100sf) :	4	0	Cl- (ppm) :	9500	0
GEL10m(lb/100sf) :	6	0	K+ (ppm) :	7000	0
Fann 3RPM :	0	0	HRD/CA (ppm)	80	0
Fann 6RPM :	0	0	API F. loss :	5.8	0.0

BHA Data : BHA #5

BHA LENGTH (m) :	300.0	WT BLW JAR(k-lbs):	41	STRING WT(k-lbs) :	90	TRQE MAX (amps) :	60
HRS ON JARS :	67	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	115	TRQE ON (amps) :	60
				SLK 0FF WT(k-lbs) :	105	TRQE OFF (amps) :	

BHA DESCRIPTION : Core bit #2 (DBS CD93), 2 x core barrel, XO, 15 x 6.5" DC, 6.5" jars, 2 x 6.5" DC, 12 x 4.5" HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	31710	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	933	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
614		0.50	222			
680		0.75	230			
1,028		0.70	234			
1,278		2.50	027			

Current Pump Data and Slow Circulating Rate Data

	Pump Data - last 24 hrs						SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	80	95.0	350	800	45	180	1292
2	GD-PZ-8	6.00	80	95.0	350	800	55	200	1292

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	18/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	19//97
PIT DRILL	18/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	3
		LAST BOP TEST	16/02/9

Personnel on Site = 33

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	5
David Horner	Geologist	ODE	23
Rick Jason	Geologist	Halliburton	2
Adam Claxton	Geologist	IDFS	1
Bruce Richardson	Drilling Engineer	Aust.DST	2

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumaralla	1,307.00	CH2

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :8 **Report Date: 19/02/97** **Issue Date : 20/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON19/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	CO	00:00	02:30	2.5	1,292	Continue cutting core # 1.Slow progress.Core # f/ 1290.7 to 1292m
I1	PE	CO	02:30	05:00	2.5	1,292	Slug pipe -POH w/ core # 1
I1	PE	CO	05:00	07:30	2.5	1,292	Recover Core # 1 - 100 % recovery. Service & re-install core sleeves, change out core head.
I1	PE	TRP	07:30	08:30	1.0	1,292	RIH BHA with core barrel to 300m.
I1	PE	SC	08:30	09:00	.5	1,292	Slip drilling line.
I1	PE	TRP	09:00	10:30	1.5	1,292	RIH to 990 mRT.
I1	TE	RW	10:30	12:00	1.5	1,292	Ream hole from 990 to 1050 mRT. RIH to 1100 mRT working through tight spots (40K).
I1	PE	TRP	12:00	13:30	1.5	1,292	RIH from 1100 to 1280 mRT. Pick up kelly, ream to bottom.
I1	PE	CIR	13:30	14:00	.5	1,292	Circulate, drop ball.
I1	PE	CO	14:00	18:30	4.5	1,310	Cut Core #2 from 1292 to 1310 mRT.
I1	PE	TRP	18:30	22:30	4.0	1,310	Break core and POH with Core #2. Work through tight hole on first nine stands. Max O/P 35K.
I1	PE	HT	22:30	24:00	1.5	1,310	Hold safety meeting. Break out core head, sleeves and layout same.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON20/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TI	00:00	01:00	1.0	1,310	RIH w/rr bit #3 to 328m
I1	PD	SC	01:00	02:00	1.0	1,310	Slip/Cut drilling line.Service rig
I1	PD	TI	02:00	04:00	2.0	1,310	Continue to RIH to 1287m.
I1	PD	RW	04:00	05:00	1.0	1,310	Ream F 1287 to 1310m
I1	PD	CIR	05:00	05:30	.5	1,310	Circulate bottom up
I1	PD	D	05:30	06:00	.5	1,325	Drill 8.5" hole F/1310 to1325m

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :9 **Report Date: 20/02/97** **Issue Date : 21/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	1,531.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	32
PROGRESS m :	221.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	8.40	SHOE DEPTH m :	721.50	DAILY COST $:	32,993
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	652,978

Gas and General Data

MAX GAS % :	.8	WEATHER :	Good
B/G GAS % :		STATUS @ 0600 :	Changing BHA

Bit Data for Bit # 6RR#

IADC # 4 1 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	30
MANUFACTURER :	RE	AVE RPM :	90
TYPE :	EHP41HLK	FLOW (gpm) :	385
SERIAL # :	RT2621	PUMP PRESS. (psi) :	1,200
DEPTH IN (m RT) :	1310	NOZZ n/32"	14 14 14
DEPTH OUT (m RT) :	1531	HHSI (hp/sq in) :	2.30

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	221	CUM. METRAGE (m) :	221
ON BOTTOM HRS :	13.5	CUM. ON BOT. HRS :	13.5
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	16.4	ROP m/h	16.4

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
6RR#	221	13.5	4	4	BT	A	F	2	E	TR

Mud Data

DAILY COST : 4,012 CUM COST : 29,728

Chk #:15 / TYPE: KCL-PHPA Chk #:16 / TYPE : KCL-PHPA

Property	Chk15	Chk 16	Property	Chk 15	Chk 16
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	43	43
TIME :	1430	2300	SOLIDS (%vol) :	3.8	3.8
WEIGHT(ppg) :	9.0	9.0	H2O (%vol) :	96.2	96.2
DEPTH m :	1480	1531	OIL (%vol)) :	0	0
VIS. (sec/qt):	47	47	SAND(%vol) :	TR	TR
PV (cp) :	15	15	MBT (ppb eq.) :	10	10
YP (lb/100sf) :	18	19	PH :	9.0	8.80
GEL10s(lb/100sf) :	4	4	Cl- (ppm) :	8000	7800
GEL10m(lb/100sf) :	6	6	K+ (ppm) :	5800	5800
Fann 3RPM :	0	0	HRD/CA (ppm)	80	80
Fann 6RPM :	0	0	API F. loss :	5.5	5.8

BHA Data : BHA #7

BHA LENGTH (m) :	300.0	WT BLW JAR(k-lbs):	41	STRING WT(k-lbs) :	125	TRQE MAX (amps) :	180
HRS ON JARS :	80	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	135	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	115	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT 6RR# 3- 8.5NR/RM-PDC-8.5 R/RM- XO-NMDC-XO-8.5 SSTAB-15x6.5 DC-JAR-2x6.5DC-12x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	26960	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	873	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
680		0.75	230			
1,028		0.70	234			
1,278		2.50	027			
1,514		3.50	184			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	68	95.0	385	1200	45	260	1438
2	GD-PZ-8	6.00	68	95.0		1200	55	330	1438

Personnel on Site = 32

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	4
David Horner	Geologist	ODE	23
Rick Jason	Geologist	Halliburton	2
Adam Claxton	Geologist	IDFS	1
		Aust.DST	2

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	20/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	19//97
PIT DRILL	18/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	4
		LAST BOP TEST	16/02/9

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :9 **Report Date: 20/02/97** **Issue Date : 21/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON20/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TI	00:00	01:00	1.0	1,310	RIH w/rr bit #3 to 328m
I1	PD	SC	01:00	02:00	1.0	1,310	Slip/Cut drilling line.Service rig
I1	PD	TI	02:00	04:00	2.0	1,310	Continue to RIH to 1287m.
I1	PD	RW	04:00	05:00	1.0	1,310	Ream F 1287 to 1310m
I1	PD	CIR	05:00	05:30	.5	1,310	Circulate bottom up
I1	PD	D	05:30	17:00	11.5	1,500	Drill 8.5" hole F/1310 to1500m
I1	PE	CS	17:00	17:30	.5	1,500	Circulate sample for Geologist
I1	PD	TRP	17:30	19:00	1.5	1,500	Poh 9 stds wiper trip-Rih -wash last single - no fill
I1	PD	D	19:30	21:30	2.0	1,531	Drill 8.5" hole from 1500 to 1531m.-Bit torqued up
I1	PD	CIR	21:30	22:00	.5	1,531	Circulate btms up-flow check
I1	PD	S	22:00	22:30	.5	1,531	Drop/take survey at 1514m-pump slug.
I1	PD	TOT	22:30	24:00	1.5	1,531	POH-Tight spots at1227-1150m max 35k o/pull

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON21/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TOT	00:00	01:30	1.5	1,531	Continue to POH-f/check shoe and bop.
I1	PD	HT	01:30	02:00	.5	1,531	Layed out stab/pony and n/rm
I1	PE	HT	02:00	03:00	1.0	1,531	Break and layed out/serviced 18 m core barrel
I1	TD	RR	03:00	05:30	2.5	1,531	Repaired make up side cat-head
I1	PD	HT	05:30	06:00	.5	1,531	Made up and tested motor.

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :10 **Report Date: 21/02/97** **Issue Date : 24/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	1,748.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	41
PROGRESS m :	217.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	9.40	SHOE DEPTH m :	721.50	DAILY COST $:	31,044
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	684,022

Gas and General Data

MAX GAS % :	.5	WEATHER :	Good
B/G GAS % :		STATUS @ 0600 :	RIH w core barrel

Bit Data for Bit #7

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	30
MANUFACTURER :	RE	AVE RPM :	220
TYPE :	MF05	FLOW (gpm) :	350
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,650
DEPTH IN (m RT) :	1531	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	1748	HHSI (hp/sq in) :	2.30

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	217	CUM. METRAGE (m) :	217
ON BOTTOM HRS :	11.0	CUM. ON BOT. HRS :	11.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	19.7	ROP m/h	19.7

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
7	217	11.0	1	1	W	A	E	I	N	CP

Mud Data

DAILY COST : 4,012

Chk #:17 / TYPE: KCL-PHPA Chk #:18 / TYPE : KCL-PHPA

Property	Chk17	Chk 18	Property	Chk 17	Chk 18
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	43	44
TIME :	1330	2130	SOLIDS (%vol) :	4.5	4.5
WEIGHT(ppg) :	9.1	9.1	H2O (%vol) :	95.5	95.5
DEPTH m :	1611	1748	OIL (%vol)) :	0	0
VIS. (sec/qt):	49	52	SAND(%vol) :	TR	TR
PV (cp) :	15	16	MBT (ppb eq.) :	13	13
YP (lb/100sf) :	18	25	PH :	9.0	8.80
GEL10s(lb/100sf) :	4	5	Cl- (ppm) :	10000	10000
GEL10m(lb/100sf) :	6	12	K+ (ppm) :	9000	8500
Fann 3RPM :	0	0	HRD/CA (ppm)	80	80
Fann 6RPM :	0	0	API F. loss :	5.5	5.8

BHA Data : BHA #7

BHA LENGTH (m) :	301.0	WT BLW JAR(k-lbs) :	41	STRING WT(k-lbs) :	130	TRQE MAX (amps) :	120
HRS ON JARS :	101	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	145	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	125	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT 7#4- 6.5PDM-XO-8.5R/RM-XO -NMDC-XO-8.5 R/RM-15x6.5 DC-JAR-2x6.5DC-12x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	24260	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	833	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,028		0.70	234			
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL **DAILY DRILLING REPORT** **SKULL CREEK WEST**

REPORT# :10 **Report Date: 21/02/97** **Issue Date : 24/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON 21/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TOT	00:00	01:30	1.5	1,531	Continue to POH-f/check shoe and bop.
I1	PD	HT	01:30	02:00	.5	1,531	Layed out stab/pony and n/rm
I1	PE	HT	02:00	03:00	1.0	1,531	Break and layed out/serviced 18 m core barrel
I1	TD	RR	03:00	05:30	2.5	1,531	Repaired make up side cat-head
I1	PD	HT	05:30	06:00	.5	1,531	Made up and tested motor.
I1	PD	TI	06:00	08:30	2.5	1,531	RIH to1513m
I1	PD	RW	08:30	09:00	.5	1,531	Wash to btm -no fill
I1	PD	DM	09:00	12:30	3.5	1,596	Drill 8.5" hole f/ 1531 to 1596m.
I1	PD	CS	12:30	13:00	.5	1,596	Circulate sample for Geologist
I1	PD	DM	13:00	20:30	7.5	1,748	Drill 8.5" hole f/1596 to 1748m.
I1	PD	CS	20:30	21:00	.5	1,748	Circulate btm up sample
I1	PD	S	21:00	21:30	.5	1,748	F/check-Survey-pump slug
I1	PE	TOT	21:30	24:00	2.5	1,748	POH prior to core #3-Work tight spots 1694 to 1494m-strap out

905298 066

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :11 **Report Date: 22/02/97** **Issue Date : 24/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	1,766.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	41
PROGRESS m :	18.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	10.40	SHOE DEPTH m :	721.50	DAILY COST $:	50,948
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	734,970

Gas and General Data

MAX GAS % :	.5	WEATHER :	Wind /Rain
B/G GAS % :		STATUS @ 0600 :	Drill 8.5" hole at 1818m

Bit Data for Bit #9

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	30
MANUFACTURER :	SM	AVE RPM :	220
TYPE :	MF05	FLOW (gpm) :	350
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,650
DEPTH IN (m RT) :	1766	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :		HHSI (hp/sq in) :	2.30

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	42	CUM. METRAGE (m) :	42
ON BOTTOM HRS :	3.0	CUM. ON BOT. HRS :	3.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	14.0	ROP m/h	14.0

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
CH2	36	14.0	0	0	N	A	X	I	N	BH
9	42	3.0								

Mud Data

DAILY COST : 1,631

Chk #:19 / TYPE: KCL-PHPA Chk #:20 / TYPE : KCL-PHPA

Property	Chk 19	Chk 20	Property	Chk 19	Chk 20
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	43	44
TIME :	1100	1630	SOLIDS (%vol) :	4.5	4.5
WEIGHT(ppg) :	9.1	9.1	H2O (%vol) :	95.5	95.5
DEPTH m :	1751	1766	OIL (%vol)) :	0	0
VIS. (sec/qt) :	58	55	SAND(%vol) :	TR	TR
PV (cp) :	16	15	MBT (ppb eq.) :	13	13
YP (lb/100sf) :	25	12	PH :	9.0	8.80
GEL10s(lb/100sf) :	4	5	Cl- (ppm) :	10000	10000
GEL10m(lb/100sf) :	6	6	K+ (ppm) :	9000	8500
Fann 3RPM :	0	0	HRD/CA (ppm)	80	80
Fann 6RPM :	0	0	API F. loss :	5.5	5.8

BHA Data : BHA #9

BHA LENGTH (m) :	300.0	WT BLW JAR(k-lbs) :	41	STRING WT(k-lbs) :	132	TRQE MAX (amps) :	80
HRS ON JARS :	108	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	145	TRQE ON (amps) :	60
				SLK OFF WT(k-lbs) :	115	TRQE OFF (amps) :	

BHA DESCRIPTION : Core bit #2 (DBS CD93), 2 x core barrel, XO, 15 x 6.5" DC, 6.5" jars, 2 x 6.5" DC, 12 x 4.5" HWDP

Bulk Stocks on site

DRILL WATER (MT) :	0	FUEL (ltr) :	20510	CEMENT (sx) :	490
POT WATER (MT) :	0	BARITE (sx) :	793	GEL (sx) :	55

Survey (last 4 points)

Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,028		0.70	234			
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :11 **Report Date: 22/02/97** **Issue Date : 24/02/97**

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON 22/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	TO	00:00	02:30	2.5	1,748	Continue POH -F/check at shoe and bop-retrieve surv.-rack back motor/nmdc
I1	PE	CO	02:30	04:00	1.5	1,748	Held pre-job safety meeting-p/u and make up 18m core barrel
I1	PE	TI	04:00	04:30	.5	1,748	RIH to 330m
I1	PD	SC	04:30	05:00	.5	1,748	Slip drilling line
I1	PE	TIT	05:00	07:30	2.5	1,748	Continue to RIH to1724 m
I1	PE	RW	07:30	09:00	1.5	1,748	P/U Kelly unable to circulate.Work string unpluggged and circ. 10 min -Wash/ream 1724 to 1748m.Circ.10min.
I1	PE	CO	09:00	09:30	.5	1,748	Drop ball.take scr.
I1	PE	CO	09:30	16:30	7.0	1,766	Cut core#3 from 1748 to1766m
I1	PE	TOT	16:30	21:00	4.5	1,766	Break core-POH w/core #3
I1	PE	CO	21:00	23:00	2.0	1,766	Held pre-job safety meeting-recover core #3 -service and lay down core barrel
I1	PD	TI	23:00	24:00	1.0	1,766	M/U bit and motor - RIH to190 m.

905298 068

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :12 **Report Date: 23/02/97** **Issue Date : 24/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	41
PROGRESS m :	234.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	11.40	SHOE DEPTH m :	721.50	DAILY COST $:	29,616
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	764,586

Gas and General Data

MAX GAS % :	.5	WEATHER :	Over cast / cold
B/G GAS % :		STATUS @ 0600 :	Run back to bottom on wiper trip at 1850m

Bit Data for Bit # 9

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	30
MANUFACTURER :	SM	AVE RPM :	220
TYPE :	MF05	FLOW (gpm) :	350
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,750
DEPTH IN (m RT) :	1766	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	2.60

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	192	CUM. METRAGE (m) :	234
ON BOTTOM HRS :	16.0	CUM. ON BOT. HRS :	19.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	12.0	ROP m/h	12.3

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
9	234	19.0								

Mud Data

DAILY COST : 1,631 CUM COST : 37,278

Chk #:21 / TYPE: KCL-PHPA Chk #:22 / TYPE : KCL-PHPA

Property	Chk21	Chk 22	Property	Chk 21	Chk 22
SAMPLE FROM:	FL	FL	TEMP (Deg C) :	45	45
TIME :	1400	1920	SOLIDS (%vol) :	4.5	5.4
WEIGHT(ppg) :	9.1	9.2	H2O (%vol) :	95.5	94.6
DEPTH m :	1920	2000	OIL (%vol)) :	0	0
VIS. (sec/qt):	43	52	SAND(%vol) :	TR	TR
PV (cp) :	14	18	MBT (ppb eq.) :	13	13
YP (lb/100sf) :	18	20	PH :	8.8	8.80
GEL10s(lb/100sf) :	6	8	Cl- (ppm) :	8500	7500
GEL10m(lb/100sf) :	12	17	K+ (ppm) :	5500	5000
Fann 3RPM :	0	0	HRD/CA (ppm)	80	80
Fann 6RPM :	0	0	API F. loss :	6.5	7.0

BHA Data : BHA #9

BHA LENGTH (m) :	301.0	WT BLW JAR(k-lbs) :	41	STRING WT(k-lbs) :	145	TRQE MAX (amps) :	120
HRS ON JARS :	127	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	155	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	135	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT 9RR#4- 6.5PDM-XO-8.5R/RM-XO -NMDC-XO-8.5 R/RM-15x6.5 DC-JAR-2x6.5DC-12x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	16260	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	768	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,028		0.70	234			
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	62	95.0	349	1750	45	380	1903
2	GD-PZ-8	6.00	62	95.0		1750	55	470	1903

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	22/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	22/02/9
PIT DRILL	23/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	7
		LAST BOP TEST	16/02/9

Personnel on Site =41

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	4
David Horner	Geologist	ODE	22
Rick Jason	Geologist (motel)	Halliburton	4
Adam Claxton	Geologist (motel)	IDFS	1
		Aust.DST	2
Tim	BPB-Eng. (motel)	BPB/vel.data	5
Steve	BPB-Eng. (motel)	Crocker	3

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :12 **Report Date: 23/02/97** **Issue Date : 24/02/97**

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON23/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TI	00:00	02:30	2.5	1,766	Continue RIH to 1732m
I1	PD	RW	02:30	03:00	.5	1,766	Wash/ream 1732 to 1766m.
I1	PD	DM	03:00	22:00	19.0	2,000	Drill 8.5" hole from 1766 to 2000m
I1	PD	CIR	22:00	22:30	.5	2,000	Circulate btm up / clean.
I1	PD	TOT	22:30	24:00	1.5	2,000	POH wiper trip-work tight hole 1903 to1836m

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON24/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TOT	00:00	04:30	4.5	2,000	P/up Kelly and pump out/ work singles from 1836 to 1751m and 1723 to 1675m. cont. POH tight hole from 1675 to 1589 m. Max o/pull 60k.POH 1589 to 970m only slight o/pull
I1	PD	TI	04:30	06:00	1.5	2,000	RIH to 1850m

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :13 **Report Date: 24/02/97** **Issue Date : 25/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	42
PROGRESS m :	0.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	12.40	SHOE DEPTH m :	721.50	DAILY COST $:	34,295
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	798,881

Gas and General Data

MAX GAS % :	.2	WEATHER :	Fine and cold
B/G GAS % :		STATUS @ 0600 :	Rig up to run Dipmeter.

Bit Data for Bit # 9

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	30
MANUFACTURER :	SM	AVE RPM :	220
TYPE :	MF05	FLOW (gpm) :	350
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,750
DEPTH IN (m RT) :	1766	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	2.60

Calculated over last 24 hrs		Calculated over the bit run	
METRAGE (m) :	192	CUM. METRAGE (m) :	234
ON BOTTOM HRS :	16.0	CUM. ON BOT. HRS :	19.0
ROTATING HRS :		CUM.ROT. HRS :	
ROP m/h	12.0	ROP m/h	12.3

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
9	426	35.0	1	1	W	A	N	I	N	TD

Mud Data

DAILY COST : 155 CUM COST : 37,588

Chk #:23 / TYPE: KCL-PHPA Chk #:24 / TYPE : KCL-PHPA

Property	Chk23	Chk 24	Property	Chk 23	Chk 24
SAMPLE FROM:	PIT	PIT	TEMP (Deg C) :	0	0
TIME :	1200	2000	SOLIDS (%vol) :	4.5	4.5
WEIGHT(ppg) :	9.2	9.2	H2O (%vol) :	95.5	95.5
DEPTH m :	2000	2000	OIL (%vol)) :	0	0
VIS. (sec/qt):	48	49	SAND(%vol) :	TR	TR
PV (cp) :	17	18	MBT (ppb eq.) :	13	13
YP (lb/100sf) :	18	19	PH :	8.8	8.80
GEL10s(lb/100sf) :	9	9	Cl- (ppm) :	8500	7500
GEL10m(lb/100sf) :	16	19	K+ (ppm) :	5500	5000
Fann 3RPM :	0	0	HRD/CA (ppm)	240	240
Fann 6RPM :	0	0	API F. loss :	7.5	8.2

BHA Data : BHA #9

BHA LENGTH (m) :	301.0	WT BLW JAR(k-lbs):	41	STRING WT(k-lbs) :	145	TRQE MAX (amps) :	120
HRS ON JARS :	127	BHA WT(k-lbs) :	61	PICK UP WT(k-lbs) :	155	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	135	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT 9RR#4- 6.5PDM-XO-8.5R/RM-XO -NMDC-XO-8.5 R/RM-15x6.5 DC-JAR-2x6.5DC-12x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	13010	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	768	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00		95.0			45	380	1903
2	GD-PZ-8	6.00		95.0			55	470	1903

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	22/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	24/02/9
PIT DRILL	23/02/9	SAFETY INSPECTION -	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	8
		LAST BOP TEST	16/02/9

Personnel on Site =42

NAME	JOB TITLE	COMPANY NAME	#
Henry Flink	Drilling Supervisor	Cultus	5
David Horner	Geologist	ODE	22
Rick Jason	Geologist (motel)	Halliburton	4
Adam Claxton	Geologist (motel)	IDFS	1
Rod Harris	Reservoir Engineer	Aust.DST	2
Tim	BPB-Eng. (motel)	BPB/vel.data	5
Steve	BPB-Eng. (motel)	Crocker	3

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL DAILY DRILLING REPORT **SKULL CREEK WEST**

REPORT# :13 **Report Date: 24/02/97** **Issue Date : 25/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON24/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PD	TOT	00:00	04:30	4.5	2,000	P/up Kelly and pump out/ work singles from 1836 to 1751m and 1723 to 1675m. cont. POH tight hole from 1675 to 1589 m.Max o/pull 60k.POH 1589 to 970m only slight o/pull
I1	PD	TI	04:30	06:00	1.5	2,000	RIH to 1850m
I1	PD	TI	06:00	06:30	.5	2,000	RIH to 1969m
I1	PD	RW	06:30	07:00	.5	2,000	Wash and ream 1969m to 2000m
I1	PD	CIR	07:00	08:00	1.0	2,000	Circulate bottoms up. Max trip gas 0.2%.
I1	PD	TO	08:00	12:30	4.5	2,000	POOH - hole condition good. Strap pipe -no correction (0.55m difference).
I1	PD	HT	12:30	13:30	1.0	2,000	Break out roller reamers. Lay down Monel DC and Motor.
I1	PE	RU	13:30	14:00	.5	2,000	Hold pre-job safety meeting. Rig up BPB.
I1	PE	LO	14:00	18:00	4.0	2,000	Logging run #1. DLS-SP-CAL-SONIC TD-Shoe. MLL-ML TD-1150m. GR TD-Surface. Static mud losses 1.8bbl/hr.
I1	PE	LO	18:00	22:00	4.0	2,000	Logging run #2. PDS-CNL-GR-CAL 1800m-1150m. Static mud losses 1.8bbl/hr.
I1	PE	LO	22:00	24:00	2.0	2,000	Logging run #3. Crocker FET. Static mud losses 1bbl/hr.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON25/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	LO	00:00	04:00	4.0	2,000	Logging run #3. Crocker FET. Obtained 10 pressure points 1286m-1318m. Downhole tool failure. Static mud losses 1bbl/hr.
I1	TE	LO	04:00	05:00	1.0	2,000	POOH to check FET tool.
I1	TE	LO	05:00	06:00	1.0	2,000	Evaluate and repair FET on surface.

905298 072

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :14 **Report Date: 25/02/97** **Issue Date : 26/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE("):	8.50	TOT PERS ON SITE :	38
PROGRESS m :	0.0	LAST CSG SIZE("):	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	13.40	SHOE DEPTH m :	721.50	DAILY COST $:	43,832
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	842,713

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Overcast and cool
STATUS @ 0600 : Circulate and condition mud.

Bit Data for Bit # 4RR

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	
MANUFACTURER :	SM	AVE RPM :	
TYPE :	MF05	FLOW (gpm) :	400
SERIAL # :	LE8148	PUMP PRESS. (psi):	1,800
DEPTH IN (m RT) :	2000	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
4RR										

Mud Data

DAILY COST : 1,437 CUM COST : 34,676

Chk #:25 / TYPE: KCL-PHPA Chk #:26 / TYPE : KCL-PHPA

Property	Chk25	Chk 26	Property	Chk 25	Chk 26
SAMPLE FROM:	PIT	PIT	TEMP (Deg C) :	0	0
TIME :	1200	2000	SOLIDS (%vol) :	4.5	4.5
WEIGHT(ppg) :	9.2	9.1	H2O (%vol) :	95.5	95.5
DEPTH m :	2000	2000	OIL (%vol)) :	0	0
VIS. (sec/qt):	48	48	SAND(%vol) :	TR	TR
PV (cp) :	17	15	MBT (ppb eq.) :	13	10
YP (lb/100sf) :	18	18	PH :	8.8	8.50
GEL10s(lb/100sf) :	9	6	Cl- (ppm) :	7500	7000
GEL10m(lb/100sf) :	16	14	K+ (ppm) :	5500	4000
Fann 3RPM :	0	0	HRD/CA (ppm)	240	180
Fann 6RPM :	0	0	API F. loss :	7.5	5.5

BHA Data : BHA #10

BHA LENGTH (m) :	255.2	WT BLW JAR(k-lbs):	40	STRING WT(k-lbs) :	145	TRQE MAX (amps) :	
HRS ON JARS :	127	BHA WT(k-lbs) :	58	PICK UP WT(k-lbs) :	150	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	138	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT #4RR - Float sub - 2 x 6.5DC - 8.5STAB - 13 x 6.5 DC - JAR - 2x6.5DC - 9x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	11160	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	698	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00	70	95.0	400	1800	45	380	1903
2	GD-PZ-8	6.00	70	95.0			55	470	1903

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	22/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	24/02/9
PIT DRILL	23/02/9	SAFETY INSPECTION -	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	9
		LAST BOP TEST	16/02/9

Personnel on Site = 38

NAME	JOB TITLE	COMPANY NAME	#
Alex Bradley	Drilling Supervisor	Cultus	4
David Horner	Geologist	ODE	22
		Halliburton	4
Adam Claxton	Geologist (motel)	IDFS	1
Rod Harris	Reservoir Engineer	Aust.DST	2
Tim	BPB-Eng. (motel)	BPB/vel.data	5
Steve	BPB-Eng. (motel)		

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :14 **Report Date: 25/02/97** **Issue Date : 26/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON25/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	LO	00:00	04:00	4.0	2,000	Logging run #3. Crocker FET. Obtained 10 pressure points 1286m-1318m. Downhole tool failure. Static mud losses 1bbl/hr.
I1	TE	LO	04:00	05:00	1.0	2,000	POOH to check FET tool.
I1	TE	LO	05:00	06:00	1.0	2,000	Evaluate and repair FET on surface.
I1	PE	LO	06:00	09:00	3.0	2,000	Logging run #4 - Dipmeter
I1	PE	LO	09:00	10:30	1.5	2,000	Rig up BPB tool - RFS-A
I1	PE	LO	10:30	18:30	8.0	2,000	Logging run #5 RFS-A. Sample at 1530m. Took 18 pressure points - last 5 had no buildup of formation pressure.
I1	PE	LO	18:30	20:30	2.0	2,000	Lay down RFS-A tool. Download sample chambers. Recovered oil and filtrate from large chamber, leave small chamber closed for analysis.
I1	TE	RR	20:30	22:00	1.5	2,000	Complete re-installation of hydromatic on drawworks which was repaired during logging operations.
I1	PE	LO	22:00	22:30	.5	2,000	Rig down BPB.
I1	TE	RR	22:30	23:30	1.0	2,000	Rig up pipe spinner. Clear rig floor after repair work.
I1	PE	HT	23:30	24:00	.5	2,000	Make up bit and RIH.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON26/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	TI	00:00	02:00	2.0	2,000	RIH to 500m.
I1	PE	SC	02:00	02:30	.5	2,000	Slip drilling line.
I1	PE	TI	02:30	05:00	2.5	2,000	RIH to 1980m break circulation every 500m.
I1	PE	RW	05:00	05:30	.5	2,000	Wash and ream 1980m to 2000m. 12m of fill.
I1	PE	CIR	05:30	06:00	.5	2,000	Circulate and condition mud.

905298 074

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :15 **Report Date: 26/02/97** **Issue Date : 27/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	38
PROGRESS m :	0.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	14.40	SHOE DEPTH m :	721.50	DAILY COST $:	36,227
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	878,940

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Overcast and cool
STATUS @ 0600 : RIH with test tools

Bit Data for Bit # 4RR

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	
MANUFACTURER :	SM	AVE RPM :	
TYPE :	MF05	FLOW (gpm) :	400
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,800
DEPTH IN (m RT) :	2000	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
4RR			1	1	W	A	N	I	N	TD

Mud Data

DAILY COST : 1,437 CUM COST : 37,550

Chk #:27 / TYPE: KCL-PHPA Chk #:28 / TYPE : KCL-PHPA

Property	Chk27	Chk 28	Property	Chk 27	Chk 28
SAMPLE FROM:	FL	PIT	TEMP (Deg C) :	0	0
TIME :	830	2000	SOLIDS (%vol) :	4.3	4.5
WEIGHT(ppg) :	9.2	9.2	H2O (%vol) :	95.7	95.5
DEPTH m :	2000	2000	OIL (%vol)) :	0	0
VIS. (sec/qt):	52	50	SAND(%vol) :	TR	TR
PV (cp) :	15	15	MBT (ppb eq.) :	10	10
YP (lb/100sf) :	20	20	PH :	9.0	8.50
GEL10s(lb/100sf) :	9	8	Cl- (ppm) :	5000	5000
GEL10m(lb/100sf) :	16	16	K+ (ppm) :	3800	3800
Fann 3RPM :	0	0	HRD/CA (ppm)	180	180
Fann 6RPM :	0	0	API F. loss :	6.8	6.5

BHA Data : BHA #10

BHA LENGTH (m) :	255.2	WT BLW JAR(k-lbs) :	40	STRING WT(k-lbs) :	145	TRQE MAX (amps) :	
HRS ON JARS :	127	BHA WT(k-lbs) :	58	PICK UP WT(k-lbs) :	150	TRQE ON (amps) :	
				SLK 0FF WT(k-lbs) :	138	TRQE OFF (amps) :	

BHA DESCRIPTION : BIT #4RR - Float sub - 2 x 6.5DC - 8.5STAB - 13 x 6.5 DC - JAR - 2x6.5DC - 9x4.5 HWDP

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	13610	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	673	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00		95.0			45	380	1903
2	GD-PZ-8	6.00		95.0			55	470	1903

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	22/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	24/02/9
PIT DRILL	23/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	10
		LAST BOP TEST	16/02/9

Personnel on Site = 38

NAME	JOB TITLE	COMPANY NAME	#
Alex Bradley	Drilling Supervisor	Cultus	4
David Horner	Geologist	ODE	22
		Halliburton	4
Adam Claxton	Geologist (motel)	IDFS	1
Rod Harris	Reservoir Engineer	Aust.DST	2
Tim	BPB-Eng. (motel)	BPB/vel.data	5
Steve	BPB-Eng. (motel)		

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :15 **Report Date: 26/02/97** **Issue Date : 27/02/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON26/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	TI	00:00	02:00	2.0	2,000	RIH to 500m.
I1	PE	SC	02:00	02:30	.5	2,000	Slip drilling line.
I1	PE	TI	02:30	05:00	2.5	2,000	RIH to 1980m break circulation every 500m.
I1	PE	RW	05:00	05:30	.5	2,000	Wash and ream 1980m to 2000m. 12m of fill.
I1	PE	CIR	05:30	06:00	.5	2,000	Circulate and condition mud.
I1	PE	CIR	06:00	09:00	3.0	2,000	Circulate and condition mud.
I1	PE	TO	09:00	12:30	3.5	2,000	POOH. Strap pipe - no correction.
I1	PE	LO	12:30	13:00	.5	2,000	Rig up BPB.
I1	PE	LO	13:00	19:30	6.5	2,000	Logging run #6 - Full Waveform Sonic.
I1	PE	LO	19:30	23:30	4.0	2,000	Logging run #7 - Velocity Survey.
I1	PE	LO	23:30	24:00	.5	2,000	Rig down BPB. Hole took total of 15bbl during these two logging runs.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON27/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	DST	00:00	02:00	2.0	2,000	Hold pre-job safety meeting. Make up DST tools.
I1	PE	DST	02:00	03:00	1.0	2,000	RIH with DC's and HWDP.
I1	PE	SC	03:00	04:00	1.0	2,000	Slip and cut drilling line.
I1	PE	DST	04:00	06:00	2.0	2,000	RIH with test tools for DST#1.

905298 076

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :16 **Report Date: 27/02/97** **Issue Date : 28/02/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	37
PROGRESS m :	0.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	15.40	SHOE DEPTH m :	721.50	DAILY COST $:	45,829
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	924,769

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Overcast and cool
STATUS @ 0600 : RIH with test tools

Bit Data for Bit # 4RR

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	
MANUFACTURER :	SM	AVE RPM :	
TYPE :	MF05	FLOW (gpm) :	400
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,800
DEPTH IN (m RT) :	2000	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
4RR			1	1	W	A	N	I	N	TD

Mud Data

DAILY COST : 248 CUM COST : 37,798

Chk #:29 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk29	Chk 0	Property	Chk 29	Chk 0
SAMPLE FROM:	PIT		TEMP (Deg C) :	0	0
TIME :	2300		SOLIDS (%vol) :	5.8	
WEIGHT(ppg) :	9.3	0.0	H2O (%vol) :	94.2	0.0
DEPTH m :	2000	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	532	0	SAND(%vol) :	TR	
PV (cp) :	16	0	MBT (ppb eq.) :	10	0
YP (lb/100sf) :	15	0	PH :	8.5	0.00
GEL10s(lb/100sf) :	8	0	Cl- (ppm) :	5000	0
GEL10m(lb/100sf) :	18	0	K+ (ppm) :	3800	0
Fann 3RPM :	0	0	HRD/CA (ppm)	180	0
Fann 6RPM :	0	0	API F. loss :	7.2	0.0

BHA Data : BHA

BHA LENGTH (m) :
HRS ON JARS :
BHA DESCRIPTION :

WT BLW JAR(k-lbs):
BHA WT(k-lbs) :

STRING WT(k-lbs) :
PICK UP WT(k-lbs) :
SLK 0FF WT(k-lbs) :

TRQE MAX (amps) :
TRQE ON (amps) :
TRQE OFF (amps) :

Bulk Stocks on site

DRILL WATER (MT): 0 FUEL (ltr): 18980 CEMENT (sx): 490
POT WATER (MT): 0 BARITE (sx) : 633 GEL (sx): 55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Current Pump Data and Slow Circulating Rate Data

	Pump Data - last 24 hrs						SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00		95.0			45	380	1903
2	GD-PZ-8	6.00		95.0			55	470	1903

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	22/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	27/02/9
PIT DRILL	23/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	11
		LAST BOP TEST	16/02/9

Personnel on Site = 37

NAME	JOB TITLE	COMPANY NAME	#
Alex Bradley	Drilling Supervisor	Cultus	4
David Horner	Geologist	ODE	22
		Halliburton	5
Adam Claxton	Geologist (motel)	IDFS	1
Rod Harris	Reservoir Engineer	Aust.DST	2
Tim	BPB-Eng. (motel)	BPB/vel.data	3
Steve	BPB-Eng. (motel)		

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON27/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	HT	00:00	02:00	2.0	2,000	Hold pre-job safety meeting. Make up DST tools.
I1	PE	DST	02:00	03:00	1.0	2,000	RIH with DC's and HWDP.
I1	PE	SC	03:00	04:00	1.0	2,000	Slip and cut drilling line.
I1	PE	DST	04:00	06:00	2.0	2,000	RIH with test tools for DST#1.
I1	PE	DST	06:00	07:00	1.0	2,000	RIH with test tools for DST#1.
I1	PE	LO	07:00	07:30	.5	2,000	Rig up BPB.
I1	PE	LO	07:30	10:00	2.5	2,000	Run GR correlation log to position packers on depth.
I1	PE	LO	10:00	10:30	.5	2,000	Rig down BPB
I1	PE	DST	10:30	11:30	1.0	2,000	Rig up surface equipment and pressure test to 1500psi.
I1	PE	DST	11:30	19:00	7.5	2,000	Hold safety meeting with all rigsite personnel. Conduct DST#1over interval 1527m to 1531m. IFP 5mins. ISIP 30mins. FFP 3hrs. FSIP 3hrs. Static losses of 7bbl during test.
I1	PE	DST	19:00	19:30	.5	2,000	Release packers. Drop bar to shear out circulating sub.
I1	PE	CIR	19:30	20:30	1.0	2,000	Reverse circulate. Recovered ~~1.5bbl oil.
I1	PE	CIR	20:30	22:00	1.5	2,000	Circulate hole capacity. No sign of oil in the mud.
I1	PE	HT	22:00	22:30	.5	2,000	Flow check well for 15mins. Rig down surface equipment.
I1	PE	TO	22:30	24:00	1.5	2,000	POOH with test tools.

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON28/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	TO	00:00	01:30	1.5	2,000	POOH with test tools.
I1	PE	HT	01:30	03:00	1.5	2,000	Break out test tools and recover gauges.
I1	PE	HT	03:00	05:00	2.0	2,000	Service test tools. Make up tools for DST #2.
I1	PE	TI	05:00	06:00	1.0	2,000	RIH for DST#2.

905298 078

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :17 **Report Date: 28/02/97** **Issue Date : 3/03/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	24
PROGRESS m :	0.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	16.40	SHOE DEPTH m :	721.50	DAILY COST $:	51,197
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	975,966

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Cold and wet
STATUS @ 0600 : Circul;ate and condition mud

Bit Data for Bit #4RR

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	
MANUFACTURER :	SM	AVE RPM :	
TYPE :	MF05	FLOW (gpm) :	400
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,800
DEPTH IN (m RT) :	2000	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
4RR			1	1	W	A	N	I	N	TD

Mud Data

DAILY COST : 1,068

Chk #:30 / TYPE: KCL-PHPA Chk #:31 / TYPE : KCL-PHPA

Property	Chk30	Chk 31	Property	Chk 30	Chk 31
SAMPLE FROM:	PIT	FL	TEMP (Deg C) :	0	0
TIME :	1300	0400	SOLIDS (%vol) :	4.8	5.8
WEIGHT(ppg) :	9.1	9.2	H2O (%vol) :	95.2	94.2
DEPTH m :	2000	2000	OIL (%vol)) :	0	0
VIS. (sec/qt):	42	41	SAND(%vol) :	TR	TR
PV (cp) :	10	10	MBT (ppb eq.) :	10	10
YP (lb/100sf) :	13	11	PH :	8.5	8.50
GEL10s(lb/100sf) :	5	4	Cl- (ppm) :	4200	4000
GEL10m(lb/100sf) :	7	6	K+ (ppm) :	2000	2000
Fann 3RPM :	0	0	HRD/CA (ppm)	160	160
Fann 6RPM :	0	0	API F. loss :	6.8	6.5

BHA Data : BHA

BHA LENGTH (m) :	WT BLW JAR(k-lbs):	STRING WT(k-lbs) :	TRQE MAX (amps) :
HRS ON JARS :	BHA WT(k-lbs) :	PICK UP WT(k-lbs) :	TRQE ON (amps) :
		SLK 0FF WT(k-lbs) :	TRQE OFF (amps) :

BHA DESCRIPTION :

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	14600	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	633	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON 28/02/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PE	TO	00:00	01:30	1.5	2,000	POOH with test tools.
I1	PE	HT	01:30	03:00	1.5	2,000	Break out test tools and recover gauges.
I1	PE	HT	03:00	04:30	1.5	2,000	Service test tools. Make up tools for DST #2.
I1	PE	TI	04:30	06:00	1.5	2,000	RIH for DST#2.
I1	PE	TI	06:00	07:00	1.0	2,000	RIH for DST#2.
I1	PE	RS	07:00	07:30	.5	2,000	Rig service
I1	PE	LO	07:30	08:00	.5	2,000	Rig up BPB
I1	PE	LO	08:00	09:00	1.0	2,000	RIH for GR correlation log. Unable to go below 785m.
I1	TE	LO	09:00	09:30	.5	2,000	POOH. No indication on tool of obstruction. Rig down BPB.
I1	TE	TO	09:30	11:00	1.5	2,000	POOH with 27 stands of drill pipe. Rabbit stand and recover top piece of drop bar for reverse circulating sub - lost during DST#1.
I1	TE	TI	11:00	12:00	1.0	2,000	RIH with 27 stands.
I1	TE	LO	12:00	12:30	.5	2,000	Rig up BPB
I1	PE	LO	12:30	14:00	1.5	2,000	Run GR correlation log and space out packers on depth.
I1	PE	LO	14:00	14:30	.5	2,000	Rig down BPB
I1	PE	DST	14:30	15:00	.5	2,000	Rig up surface equipment and pressure test to 1500psi.
I1	PE	DST	15:00	15:30	.5	2,000	Set packers at 1311m and 1315m for DST#2. Hold safety meeting.
I1	PE	DST	15:30	20:30	5.0	2,000	Conduct DST#2. IFP 5min. ISIP 40min. FFP 2hrs. FSIP 2hrs.
I1	TE	DST	20:30	24:00	3.5	2,000	Attempt to release packers. Work packers 2m up hole with 60K overpull - unable to go further. Jar on packers. Pull up to 160K overpull in stages and apply full string weight down - no movement up or down.

905298 080

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :18 **Report Date: 1/03/97** **Issue Date : 3/03/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	24
PROGRESS m :	0.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	17.40	SHOE DEPTH m :	721.50	DAILY COST $:	35,757
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	1,011,723

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Cold and wet and windy
STATUS @ 0600 : Laying down drill pipe.

Bit Data for Bit #4RR

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	
MANUFACTURER :	SM	AVE RPM :	
TYPE :	MF05	FLOW (gpm) :	400
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,800
DEPTH IN (m RT) :	2000	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
4RR			1	1	W	A	N	I	N	TD

Mud Data

DAILY COST : 2,357

Chk #:32 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk32	Chk 0	Property	Chk 32	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	0	0
TIME :	2300		SOLIDS (%vol) :	4.8	
WEIGHT(ppg) :	9.2	0.0	H2O (%vol) :	95.2	0.0
DEPTH m :	2000	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	43	0	SAND(%vol) :	TR	
PV (cp) :	10	0	MBT (ppb eq.) :	10	0
YP (lb/100sf) :	14	0	PH :	9.0	0.00
GEL10s(lb/100sf) :	4	0	Cl- (ppm) :	4000	0
GEL10m(lb/100sf) :	6	0	K+ (ppm) :	2000	0
Fann 3RPM :	0	0	HRD/CA (ppm)	160	0
Fann 6RPM :	0	0	API F. loss :	6.5	0.0

BHA Data : BHA #11

BHA LENGTH (m) :	258.4	WT BLW JAR(k-lbs) :	30	STRING WT(k-lbs) :	TRQE MAX (amps) :
HRS ON JARS :	127	BHA WT(k-lbs) :	58	PICK UP WT(k-lbs) :	TRQE ON (amps) :
				SLK 0FF WT(k-lbs) :	TRQE OFF (amps) :

BHA DESCRIPTION : 8 1/8" Overshot w/- 5" basket grapple and 30" extension, X/O, Bumper sub, X/O, 9 x 6 1/2" DC, Jars, 8 x 6 1/2" DC, 9 x HWDP.

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	15317	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	618	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

CULTUS PETROLEUM NL **DAILY DRILLING REPORT** **SKULL CREEK WEST**

REPORT# :18 **Report Date: 1/03/97** **Issue Date : 3/03/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON 1/03/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	TE	DST	00:00	02:00	2.0	2,000	Release safety joint after multiple attempts. Top of fish at 1301.5m.
I1	PE	DST	02:00	04:00	2.0	2,000	Drop bar to shear reversing sub and reverse out. Recovered 17.2bbl of water and mud-cut water.
I1	PE	DST	04:00	06:00	2.0	2,000	Circulate and condition mud.
I1	PE	DST	06:00	08:00	2.0	2,000	Circulate and condition mud.
I1	PE	DST	08:00	08:30	.5	2,000	Rig down surface equipment.
I1	PE	DST	08:30	11:00	2.5	2,000	POOH.
I1	PE	DST	11:00	12:30	1.5	2,000	Lay down test tools.
I1	PE	SC	12:30	13:00	.5	2,000	Slip drilling line.
I1	TE	F	13:00	14:00	1.0	2,000	Make up fishing assembly - 8 1/8" overshot with 5" grapple and bumper sub.
I1	TE	F	14:00	17:30	3.5	2,000	RIH to 1280m.
I1	TE	F	17:30	18:00	.5	2,000	Space out for fishing operation. Pick up kelly and break circulation.
I1	TE	F	18:00	19:00	1.0	2,000	Tag fish 1301.5m. Attempt to work over fish. Pump press increase. Initial overpull 20k - drop back to string weight. Set down 55K - unable to work fish down.
I1	TE	F	19:00	22:00	3.0	2,000	POOH. No recovery.
I1	TE	F	22:00	23:00	1.0	2,000	Break out and inspect overshot. Marks on edge of cut lip guide and point bent out. No marks on outside of overshot or in grapple. Lay down overshot and bumper sub.
I1	PA	TI	23:00	24:00	1.0	2,000	RIH with open ended DP.

905298 082

CULTUS PETROLEUM NL — DAILY DRILLING REPORT — SKULL CREEK WEST

REPORT# :19 **Report Date: 2/03/97** **Issue Date : 3/03/97** Page Number : 1

Basic Data

DRILLING CO. :	O D &E Pty Ltd
RIG :	Rig 30
GL ABOVE MSL (m) :	96.0
ELEV RT AGL (m) :	4.3

Well Data

DEPTH m :	2,000.0	HOLE SIZE(") :	8.50	TOT PERS ON SITE :	24
PROGRESS m :	0.0	LAST CSG SIZE(") :	9 5/8"	AFE COST $:	1,302,100
DAYS FROM SPUD :	18.40	SHOE DEPTH m :	721.50	DAILY COST $:	329,114
DAYS +/- CURVE :		LEAK-OFF SG :	1.32	CUM COST $:	1,340,837

Gas and General Data

MAX GAS % :
B/G GAS % :

WEATHER : Cold and wet and windy
STATUS @ 0600 : Rigging down.

Bit Data for Bit # 4RR

IADC # 4 2 7

BIT SIZE (") :	8.50	AVE WOB (k-lbs) :	
MANUFACTURER :	SM	AVE RPM :	
TYPE :	MF05	FLOW (gpm) :	400
SERIAL # :	LE8148	PUMP PRESS. (psi) :	1,800
DEPTH IN (m RT) :	2000	NOZZ n/32"	14 12 12
DEPTH OUT (m RT) :	2000	HHSI (hp/sq in) :	

Calculated over last 24 hrs	Calculated over the bit run
METRAGE (m) :	CUM. METRAGE (m) :
ON BOTTOM HRS :	CUM. ON BOT. HRS :
ROTATING HRS :	CUM.ROT. HRS :
ROP m/h	ROP m/h

Bit Wear

#	MTGE	HRS	I	O	D	L	B	G	O	R
4RR			1	1	W	A	N	I	N	TD

Mud Data

DAILY COST : 2,357 CUM COST : 44,649

Chk #:32 / TYPE: KCL-PHPA Chk #:0 / TYPE :

Property	Chk 32	Chk 0	Property	Chk 32	Chk 0
SAMPLE FROM:	FL		TEMP (Deg C) :	0	0
TIME :	2300		SOLIDS (%vol) :	4.8	
WEIGHT(ppg) :	9.2	0.0	H2O (%vol) :	95.2	0.0
DEPTH m :	2000	0	OIL (%vol)) :	0	0
VIS. (sec/qt):	43	0	SAND(%vol) :	TR	
PV (cp) :	10	0	MBT (ppb eq.) :	10	0
YP (lb/100sf) :	14	0	PH :	9.0	0.00
GEL10s(lb/100sf) :	4	0	Cl- (ppm) :	4000	0
GEL10m(lb/100sf) :	6	0	K+ (ppm) :	2000	0
Fann 3RPM :	0	0	HRD/CA (ppm)	160	0
Fann 6RPM :	0	0	API F. loss :	6.5	0.0

BHA Data : BHA

BHA LENGTH (m) :	WT BLW JAR(k-lbs):	STRING WT(k-lbs) :	TRQE MAX (amps) :
HRS ON JARS :	BHA WT(k-lbs) :	PICK UP WT(k-lbs) :	TRQE ON (amps) :
		SLK 0FF WT(k-lbs) :	TRQE OFF (amps) :

BHA DESCRIPTION :

Bulk Stocks on site

DRILL WATER (MT):	0	FUEL (ltr):	12990	CEMENT (sx):	490
POT WATER (MT):	0	BARITE (sx) :	618	GEL (sx):	55

Survey (last 4 points) Tool Type :SSS

MD (m RT)	TVD (m RT)	INCL deg	AZ. deg	'V' SECT (m)	N/S (m)	E/W (m)
1,278		2.50	027			
1,514		3.50	184			
1,724		2.80	345			
1,976		3.60	59			

Current Pump Data and Slow Circulating Rate Data

Pump Data - last 24 hrs							SCR Data		
#	TYPE	LNR (")	SPM	EFF (%)	Flow gpm	SPP psi	SPM	SPP psi	DEPTH m RT
1	GD-PZ-8	6.00		95.0			45	380	1903
2	GD-PZ-8	6.00		95.0			55	470	1903

Personnel on Site = 24

NAME	JOB TITLE	COMPANY NAME	#
Alex Bradley	Drilling Supervisor	Cultus	1
		ODE	21
		Halliburton	2
		IDFS	0

Drills, Permits & Inspections

DRILL TYPE	TIMING	INSPECTIONS	TIMING
TRIP DRILL	22/02/9	LAST CSG PRESS TEST	15/02/9
FIRE	17/02/9	SAFETY MEETING	28/02/9
PIT DRILL	23/02/9	SAFETY INSPECTION	16/02/9
INCIDENT	13/02/9	DAYS SINCE LAST BOP TES	14
		LAST BOP TEST	16/02/9

Casing

#	TYPE	LENGTH (m)	CSG ID (")	WEIGHT (lb/ft)	GRADE	THREAD

Formation Tops

FORMATION	TOP m	BIT#
Waarre B	1,289.00	CH2
Waarre A absent		CH2
Eumeralla	1,307.00	6RR#3

CULTUS PETROLEUM NL DAILY DRILLING REPORT SKULL CREEK WEST

REPORT# :19 **Report Date: 2/03/97** **Issue Date : 3/03/97** Page Number : 2

ACTIVITY FOR PERIOD 00:00 HRS TO 24:00 HRS ON2/03/97

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY
I1	PA	TI	00:00	00:30	.5	2,000	RIH with open ended DP.
I1	PA	RU	00:30	01:00	.5	2,000	Rig up Halliburton. Hold pre-job safety meeting.
I1	PA	CM	01:00	01:30	.5	2,000	Set abandonment plug #1from 1306m to 1216m. Pump 10bbl water ahead. Mix and pump 126sx "G" neat at 15.8ppg. Displace with 3bbl water and 50bbl mud. CIP 0130hrs.
I1	PA	TO	01:30	02:00	.5	2,000	Pull back to 1155m. Circulate drill pipe capacity.
I1	PA	TO	02:00	02:30	.5	2,000	POOH to 752m.
I1	PA	CM	02:30	03:00	.5	2,000	Rig up Halliburton. Set abandonment plug #2 from 752m to 692m. Pump 10bbl water. Mix and pump 101sx "G" with 1% CaCl2 at 15.8ppg. Displace with 3bbl water and 25bbl mud. CIP 0304hrs.
I1	PA	TO	03:00	04:00	1.0	2,000	Pull back to 630m. Circulate hole capacity.
I1	PA	LDP	04:00	06:00	2.0	2,000	Lay down excess drill pipe.
I1	PA	TI	06:00	07:30	1.5	2,000	RIH with BHA and drill pipe.
I1	PA	LDP	07:30	11:00	3.5	2,000	Lay down drill pipe and BHA
I1	PA	TI	11:00	12:30	1.5	2,000	RIH. Tag plug #2 at 690m with 10K.
I1	PA	CIR	12:30	13:00	.5	2,000	Displace casing with biocide inhibited mud.
I1	PA	LDP	13:00	15:30	2.5	2,000	Lay down drill pipe.
I1	PA	HT	15:30	17:30	2.0	2,000	Lay down DP and DC handling equipment. Flush BOP's and choke manifold.
I1	PA	BO	17:30	22:00	4.5	2,000	Nipple down BOP's. Dump and clean mud tanks. Lay out kelly and swivel.
I1	PA	WH	22:00	23:00	1.0	2,000	Remove wellhead.
I1	PA	CM	23:00	24:00	1.0	2,000	Set cement plug #3 with 20sx "G" neat at surface. Install plate and well marker.
			24:00	24:00	0.0	2,000	RIG RELEASED 2400HRS 2/3/97

ACTIVITY FOR PERIOD 00:00 HRS TO 06:00 HRS ON0/00/0000

PHSE	CLS	OP	FROM	TO	HRS	DEPTH	DESCRIPTION-ACTIVITY

SECTION 4:

CUTTINGS DESCRIPTIONS

CULTUS PETROLEUM N.L. APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	13-2-97
GEOLOGIST:	David Horner	PAGE:	1

For geology report-1

Interval (m)	%	Description
Spud-10	100	Calcarenite: yellow orange, very fine to very coarse, dominantly fine, very weak to occasionally strong calcareous cement, iron oxide rich with common dark brown iron oxide nodules, common very fine to grit subrounded frosted quartz grains, trace mafic basaltic lithics, trace medium brown clay lithics, abundant shell and bryozoa fragments, friable to hard, good visual intergranular porosity.
10-20	100	Calcarenite: light grey, very fine to dominantly fine grained, moderate calcareous cement, slightly argillaceous, trace very fine to grit frosted quartz sand grains, trace fine black carbonaceous matter, trace to common bryozoa and shell fragments, trace glauconite, moderately hard, poor visual porosity.
20-40	100	Calcarenite: light grey, very fine to dominantly fine grained, moderate calcareous cement, slightly argillaceous, trace medium olive grey marl, trace very fine to grit frosted quartz sand grains, trace fine black carbonaceous matter, trace glauconite, trace to common bryozoa and shell fragments, trace pyrite, moderately hard, poor visual porosity.
40-50	100	Calcarenite: very light grey, fine grained, moderate calcareous cement, slightly argillaceous, trace medium olive grey marl, rare very fine to grit frosted quartz sand grains, trace black carbonaceous matter, trace to common bryozoa and shell fragments, moderately hard, poor visual porosity.
50-70	70	Calcarenite: as for 40-50m.
	30	Marl: light to medium olive grey, finely calcarenitic in part, trace fossil fragments, trace glauconite, soft, sticky, non fissile.
70-100	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare black carbonaceous matter, rare pyrite, very soft, sticky, non fissile.
100-130	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare black carbonaceous matter, very soft, sticky, non fissile.
130-160	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
160-180	100	Marl: light to medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
180-210	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
210-230	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, very soft, sticky, non fissile.
230-260	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.

CULTUS PETROLEUM N.L. APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	14-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-2		
260-280	100	Marl: medium olive grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
280-300	100	Marl: medium olive grey, trace medium brown grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
300-320	100	Marl: medium olive grey, trace medium brown grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace glauconite, rare very fine black carbonaceous matter, very soft, sticky, non fissile.
320-330	70	Marl: as for 300-320m.
	30	Sandstone: very fine to grit, dominantly very coarse, subrounded to rounded, poorly sorted, weak to strong calcareous and iron oxide cements, abundant dark brown iron oxide pellets, abundant yellow orange stained fossil fragments, abundant orange brown stained quartz grains, friable, good inferred intergranular porosity, no oil fluorescence.
330-340	20	Marl: as for 300-320m.
	80	Sandstone: orange brown, very fine to pebble, dominantly very coarse, subrounded to rounded, very poorly sorted, weak to moderate calcareous and iron oxide cements, abundant fossil fragments - grades to coquinal calcarenite, abundant dark brown iron oxide pellets, common orange brown stained quartz grains, trace black glauconite, friable, fair inferred porosity, no oil fluorescence.
340-350	20	Marl: as for 330-340m.
	80	Sandstone: medium green brown, very fine to pebble, dominantly medium, subrounded to rounded, poorly sorted, moderate iron oxide and calcareous ceements, abundant fossil fragments, abundant dark brown iron oxide pellets, abundant dark green to black glauconite, minor quartz grains, friable, fair nferred porosity, no oil fluorescence.
350-360	100	Marl: medium green grey to occasionally medium brown grey, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace to common glauconite, rare very fine black carbonaceous matter, very soft, sticky, non fissile.
360-380	100	Marl: medium green grey to medium brown grey to medium brown, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, trace to common glauconite, trace very fine to fine clear quartz sand grains, trace black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
380-390	100	Marl: medium green grey to medium brown grey to medium brown, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, common glauconite, trace very fine to fine clear quartz sand grains, trace black carbonaceous matter, trace pyrite, very soft, sticky, non fissile.
390-400	100	Marl: medium green grey to medium brown grey to medium brown, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, common glauconite, trace very fine to fine clear quartz sand grains, common black coal detritus, trace pyrite, very soft, sticky, non fissile.

Interval (m)	%	Description	PAGE: 2
400-410	100	Marl: medium green grey to medium brown grey to medium brown, abundant fossil fragments including bryozoa, shell fragments, forams, echinoid spines and sponge spicules, common to abundant glauconite, trace very fine to fine clear quartz sand grains, common black coal detritus, trace pyrite, very soft, sticky, non fissile.	
410-420	100	Sandstone: medium to dark brown, very fine to grit, dominantly coarse to very coarse, subrounded to rounded, very poorly sorted, very weak silica cement, weak iron oxide cement, abundant medium to dark brown argillaceous and silt matrix, common brown iron oxide pellets, strong brown stain on quartz grains, rare glauconite, rare iron oxide replaced fossil fragments, friable, poor inferred porosity, no oil fluorescence.	
420-430	90	Sandstone: medium brown, very fine to grit, dominantly fine and coarse, subrounded to rounded, very poorly sorted, very strong calcareous cement in part, abundant medium brown argillaceous and silt matrix, strong brown stain on quartz grains, common dark brown iron oxide pellets, trace glauconite, trace fossil fragments, friable to occasionally hard, poor visual porosity, no oil fluorescence.	
	10	Claystone: dark brown, very silty, often abundant dispersed very fine to grit quartz sand grains, slightly calcareous, trace micromica, very soft, very dispersive, non fissile.	
430-440	90	Sandstone: as for 420-430m.	
	10	Claystone: dark brown, very silty, often abundant dispersed very fine to grit quartz sand grains, occasionally moderately calcareous, trace micromica, very soft, very dispersive, non fissile.	
440-450	100	Sandstone: medium brown, very fine to grit, dominantly very coarse, subrounded to rounded, very poorly sorted, weak silica and calcareous cements, abundant medium brown argillaceous and silt matrix, moderate to strong brown stain on quartz grains, trace to common dark brown iron oxide pellets, trace glauconite, trace fossil fragments, friable to occasionally hard, poor visual porosity, no oil fluorescence.	
	Trace	Claystone: as for 430-440m.	
450-460	90	Sandstone: medium brown, very fine to grit, dominantly medium to coarse, subrounded to rounded, very poorly sorted, weak silica and calcareous cements, abundant medium brown argillaceous and silt matrix, moderate to strong brown stain on quartz grains, trace dark brown iron oxide pellets, trace glauconite, trace black carbonaceous detritus, friable, poor visual porosity, no oil fluorescence.	
	10	Claystone: dark brown, very silty, often abundant dispersed very fine to grit quartz sand grains, occasionally weakly calcareous, slightly carbonaceous, trace micromica, very soft, very dispersive, non fissile.	
460-470	50	Sandstone: as for 450-460m.	
	50	Claystone: dark brown, very silty, often abundant dispersed very fine to grit quartz sand grains, occasionally weakly calcareous, slightly carbonaceous, common fossil fragments in part, trace micromica, very soft, very dispersive, non fissile.	
470-480	100	Sandstone: light brown grey, very fine to coarse, dominantly medium, angular to subrounded, moderately to well sorted, weak silica cement, trace to common medium grey argillaceous and silt matrix, trace yellow and green quartz grains, trace coarse muscovite flakes, trace black carbonaceous detritus, friable, good inferred porosity, no oil fluorescence.	
480-490	80	Sandstone: as for 470-480m.	
	20	Claystone: medium to dark brown grey, very silty, common dispersed very fine to coarse quartz sand grains in part, common pyrite, rare glauconite and fossil fragments, trace micromica, very soft, very dispersive, non fissile.	
490-500	30	Sandstone: as for 470-480m.	
	70	Claystone: as for 480-490m.	

Interval (m)	%	Description PAGE: 3
500-510	90	Sandstone: light grey, very fine to grit, dominantly fine to medium, angular to subrounded, moderately sorted, weak silica cement, common medium brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace coarse muscovite flakes, trace pyrite, friable, good inferred porosity, no oil fluorescence.
	10	Claystone: medium to dark brown grey, very silty, common dispersed very fine to grit quartz sand grains in part, common pyrite, rare glauconite and fossil fragments, trace micromica, very soft, very dispersive, non fissile.
510-520	90	Sandstone: light grey, very fine to grit, dominantly medium to coarse, angular to subrounded, moderately sorted, weak silica cement, common medium brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace coarse muscovite flakes, trace pyrite, friable, good inferred porosity, no oil fluorescence.
	10	Claystone: as for 500-510m.
520-530	80	Sandstone: light grey, very fine to grit, dominantly medium to coarse, angular to subrounded, moderately sorted, weak silica cement, common medium brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace coarse muscovite flakes, common black coaly detritus often with associated pyrite, common pyrite, friable, good inferred porosity, no oil fluorescence.
	20	Claystone: as for 500-510m.
530-540	90	Sandstone: as for 520-530m.
	10	Claystone: medium to dark grey to dark brown grey, moderately to very silty, abundant dispersed very fine to very coarse quartz sand grains in part, moderately carbonaceous, trace micromica, common pyrite, soft, very dispersive, slightly subfissile.
540-550	100	Sandstone: light grey, very fine to grit, dominantly medium, angular to subrounded, moderately sorted, weak silica cement, common medium brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace coarse muscovite flakes, trace black coaly detritus, common pyrite, friable, good inferred porosity, no oil fluorescence.
550-560	90	Sandstone: as for 540-550m.
	10	Claystone: as for 530-540m.
560-570	100	Sandstone: light grey, very fine to grit, dominantly medium, angular to subrounded, moderately sorted, weak silica cement, common medium to dark grey argillaceous and silt matrix, trace yellow to red quartz grains, rare coarse muscovite flakes, common black coaly detritus, common pyrite, friable, good inferred porosity, no oil fluorescence.
570-580	90	Sandstone: light grey, very fine to grit, dominantly medium to coarse, subanular to subrounded, poorly sorted, weak silica cement, occasionally abundant medium to dark brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace black carbonaceous detritus, trace to common pyrite, friable, good inferred porosity, no oil fluorescence.
	10	Claystone: medium to dark brown grey, very silty, often abundant dispersed very fine to grit quartz sand grains, slightly carbonaceous, trace fossil fragments, trace to common pyrite, trace micromica, soft, very dispersive, non fissile.
580-610	70	Sandstone: as for 570-580m.
	30	Claystone: as for 570-580m.
610-620	60	Sandstone: light grey, very fine to grit, dominantly medium to coarse, subanular to subrounded, very poorly sorted, weak silica cement, occasionally abundant medium to dark brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace black carbonaceous detritus, trace to common pyrite, friable, good inferred porosity, no oil fluorescence.

Interval (m)	%	Description PAGE: 4
	40	Claystone: medium to dark brown grey, very silty, often abundant dispersed very fine to grit quartz sand grains, slightly carbonaceous, trace to common fossil fragments, trace to common pyrite, trace micromica, soft, very dispersive, non fissile.
620-630	70	Sandstone: light grey, very fine to grit, dominantly coarse to very coarse, subanular to subrounded, poorly sorted, weak silica cement, occasionally abundant medium to dark brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace black carbonaceous detritus, trace to common pyrite, friable, good inferred porosity, no oil fluorescence.
	30	Claystone: as for610-620m.
630-640	70	Sandstone: light grey, very fine to grit, dominantly medium to coarse, subanular to subrounded, poorly sorted, weak silica cement, occasionally abundant medium to dark brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace black carbonaceous detritus, trace to common pyrite, friable, good inferred porosity, no oil fluorescence.
	30	Claystone: as for 610-620m.
640-650	80	Sandstone: as for 630-640m.
	20	Claystone: as for 610-620m.

CULTUS PETROLEUM N.L. APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	15-2-97
GEOLOGIST:	David Horner	PAGE:	1

For geology report-3

Interval (m)	%	Description
650-660	70	Sandstone: light grey, very fine to grit, dominantly medium to coarse, subanular to subrounded, poorly sorted, weak silica cement, occasionally abundant medium to dark brown grey argillaceous and silt matrix, trace yellow to red quartz grains, trace black carbonaceous detritus, trace to common pyrite, friable, good inferred porosity, no oil fluorescence.
	30	Claystone: medium to dark brown grey, very silty, often abundant dispersed very fine to grit quartz sand grains, slightly carbonaceous, trace to common fossil fragments, trace to common pyrite, trace micromica, soft, very dispersive, non fissile.
660-670	90	Sandstone: very light grey to very light brown grey, very fine to grit, dominantly coarse to very coarse, very poorly sorted, weak silica cement, common to abundant medium brown argillaceous and silt matrix, trace yellow to red quartz grains, trace to common pyrite, trace black carbonaceous detritus, friable, good inferred porosity, no oil fluorescence.
	10	Claystone: medium brown grey, moderately to very silty, abundant dispersed very fine to grit quartz sand grains in part, slightly to moderately calcareous, slightly carbonaceous, trace black coaly detritus, trace glauconite, trace fossil fragments, trace to common pyrite, trace micromica, soft, very dispersive, non fissile.
670-680	10	Sandstone: as for 660-670m.
	90	Claystone: medium to dark brown grey, moderately to very silty, trace dispersed quartz sand grains in part, slightly to moderately calcareous, slightly carbonaceous, trace black coaly detritus, trace glauconite, trace fossil fragments, trace to common pyrite, trace micromica, soft, very dispersive, non fissile.
680-690	100	Claystone: medium to dark brown grey to very dark green grey, moderately silty, slightly to moderately calcareous, common glauconite, trace dispersed quartz sand grains in part, trace medium brown cryptocrystalline dolomite, trace fossil fragments, trace pyrite, trace micromica, soft, very dispersive, non fissile.
690-700	70	Claystone: as for 680-690m.
	30	Sandstone: very light brown, very fine to occasionally fine, subangular to subrounded, well sorted, very weak silica cement, common to abundant silty matrix, trace very fine carbonaceous detritus, friable, poor inferred porosity, no oil fluorescence.
700-710	100	Claystone: medium to dark brown grey to very dark green grey, moderately to very silty, slightly to moderately calcareous, common glauconite, common dispersed very fine quartz sand grains in part, trace medium brown cryptocrystalline dolomite, trace fossil fragments, trace pyrite, trace micromica, soft, very dispersive, non fissile.
	Trace	Sandstone: as for 690-700m.
710-720	100	Claystone: medium to dark brown grey to very dark green grey, moderately to very silty, slightly to moderately calcareous, common to abundant glauconite, common dispersed clear very fine quartz sand grains, trace medium brown cryptocrystalline dolomite, trace fossil fragments, trace pyrite, trace micromica, soft, very dispersive, non fissile.
720-724	100	Claystone: as for 710-720m.

CULTUS PETROLEUM N.L. **APPENDIX**

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	17-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-5		
724-730	100	Claystone: medium grey to medium green grey, very silty, common dispersed very fine to rarely very coarse quartz sand grains, common glauconite, trace pyrite, trace micromica, soft, very dispersive, non fissile.
730-740	100	Claystone: medium grey to medium green grey, very silty, common to abundant dispersed very fine to grit quartz sand grains, common glauconite, trace pyrite, trace micromica, soft, very dispersive, non fissile.
740-750	100	Claystone: medium grey to medium green grey, very silty, abundant dispersed very fine to dominantly very coarse to grit quartz sand grains, common glauconite, trace pyrite, trace micromica, soft, very dispersive, non fissile.
750-760	70	Sandstone: medium yellow brown, very fine to grit, dominantly very coarse, subangular to subrounded, very poorly sorted, very weak silica cement, abundant medium grey to occasionally medium brown grey argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace glauconite, trace pyrite, friable, poor inferred porosity, no oil fluorescence.
	30	Claystone: as for 740-750m.
760-770	30	Sandstone: as for 740-750m.
	70	Claystone: as for 740-750m.
770-780	10	Sandstone: medium yellow brown, very fine to grit, dominantly very coarse, subangular to subrounded, very poorly sorted, very weak silica cement, abundant yellow to brown argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace glauconite, trace pyrite, friable, very poor inferred porosity, no oil fluorescence.
	90	Claystone: yellow orange brown, iron oxide rich, very silty, common dispersed very fine to grit yellow quartz grains, trace green glauconitic clay, soft, very dispersive, non fissile.
780-800	10	Sandstone: medium yellow brown, very fine to grit, common pebbles, dominantly very coarse, subangular to subrounded, very poorly sorted, very weak silica cement, abundant yellow to brown argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace glauconite, trace pyrite, friable, very poor inferred porosity, no oil fluorescence.
	90	Claystone: as for 770-780m.
800-810	20	Sandstone: medium yellow brown, very fine to grit, common pebbles, dominantly grit, subangular to subrounded, very poorly sorted, very weak silica cement, abundant yellow to brown argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace pyrite, friable, very poor inferred porosity, no oil fluorescence.
	80	Claystone: yellow orange brown, iron oxide rich, very silty, common dispersed very fine to grit yellow quartz grains, soft, very dispersive, non fissile.
810-830	40	Sandstone: light orange grey, very fine to grit, dominantly grit, subangular to subrounded, very poorly sorted, weak silica cement, abundant medium grey to occasionally orange brown argillaceous matrix, common yellow quartz grains, trace multicoloured volcanogenic lithics, friable, very poor inferred porosity, no oil fluorescence.

Interval (m)	%	Description PAGE: 2
	60	Claystone: medium grey to rarely medium orange brown, very silty, common dispersed very fine to dominantly grit quartz sand grains, rare pyrite, very dispersive, non fissile.
830-840	20	Sandstone: as for 810-830m.
	80	Claystone: medium grey to medium orange brown, very silty, common dispersed very fine to dominantly grit quartz sand grains, rare pyrite, very dispersive, non fissile.
840-850	30	Sandstone: light orange grey, very fine to pebble, dominantly grit, subangular to subrounded, very poorly sorted, weak silica cement, abundant medium grey to occasionally orange brown argillaceous matrix, common yellow quartz grains, abundant multicoloured volcanogenic lithics, friable, very poor inferred porosity, no oil fluorescence.
	70	Claystone: medium grey to medium orange brown, very silty, common dispersed very fine to dominantly grit quartz sand grains, trace dark green glauconitic clay, trace black coaly detritus, rare pyrite, very dispersive, non fissile.
850-860	70	Sandstone: light orange brown, very fine to pebble, dominantly grit, subangular to subrounded, very poorly sorted, very weak silica cement, abundant medium grey to medium orange brown argillaceous and silt matrix, common yellow quartz grains, abundant multicoloured volcanogenic lithics, trace black carbonaceous detritus, trace pyrite, friable, very poor inferred porosity, no oil fluorescence.
	30	Claystone: as for 840-850m.
860-870	90	Sandstone: as for 850-860m.
	10	Claystone: as for 840-850m.
870-880	100	Sandstone: light grey to very light brown grey, very fine to pebble, dominantly coarse to very coarse, subangular to subrounded, very poorly sorted, weak silica cement, trace medium grey and off white argillaceous matrix, common yellow quartz grains, common multicoloured volcanogenic lithics, trace pyrite, trace black coaly detritus, friable, good visual porosity, no oil fluorescence.
	Trace	Claystone: as for 840-850m.
880-890	70	Sandstone: as for 870-880m.
	30	Claystone: off white to medium grey to medium brown grey, very silty, abundant dispersed grit sized quartz and multicoloured volcanogenic sand grains, trace black coaly detritus, trace pyrite, trace micromica, soft, very dispersive, subfissile.
890-900	50	Sandstone: as for 870-880m.
	50	Claystone: as for 880-890m.
900-910	40	Sandstone: light grey to very light brown grey, very fine to pebble, dominantly coarse to very coarse, subangular to subrounded, very poorly sorted, weak silica cement, trace medium grey and off white argillaceous matrix, common yellow quartz grains, trace to common multicoloured volcanogenic lithics, trace pyrite, trace black coaly detritus, friable, good visual porosity, no oil fluorescence.
	60	Claystone: medium grey to medium brown, occasionally off white, very silty, abundant dispersed grit sized quartz and multicoloured volcanogenic sand grains, trace black coaly detritus, trace pyrite, trace micromica, soft, very dispersive, subfissile.
910-920	10	Sandstone: as for 900-910m.
	90	Claystone: as for 900-910m.
930-950	30	Sandstone: as for 900-910m.
	70	Claystone: as for 900-910m.

CULTUS PETROLEUM N.L. APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	18-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-6		
950-960	20	Sandstone: light grey to light brown grey, very fine to grit, dominantly grit, subangular to subrounded, very poorly sorted, weak silica cement, abundant medium grey and occasionally white argillaceous and silt matrix - matrix supported, common yellow quartz grains, trace multicoloured volcanogenic lithics, trace black carbonaceous detritus, friable, very poor inferred porosity, no oil fluorescence.
	80	Claystone: medium to dark grey, very silty, occasionally abundant dispersed very fine to grit quartz sand grains, trace to common black carbonaceous flecks and rare detritus, trace pyrite, trace micromica, soft, very dispersive, non to slightly subfissile.
960-970	10	Sandstone: as for 950-960m.
	90	Claystone: as for 950-960m.
970-980	90	Sandstone: light grey, very fine to grit, dominantly coarse, angular to subrounded, very poorly sorted, weak to moderate silica cement, trace pyrite cement, trace to common white to occasionally medium grey argillaceous matrix, trace yellow quartz grains, trace black carbonaceous detritus, friable, fair to good visual porosity, no oil fluorescence.
	10	Claystone: medium to dark grey, very silty, trace very fine quartz and partially altered feldspar laminae in part, trace to common black carbonaceous flecks and rare detritus, trace pyrite, trace micromica, soft, very dispersive, non to slightly subfissile.
980-990	100	Sandstone: light grey, very fine to grit, dominantly coarse, angular to subrounded, very poorly sorted, weak to moderate silica cement, trace pyrite cement, trace white argillaceous matrix, rare yellow quartz grains, trace black carbonaceous detritus, friable, fair to good visual porosity, no oil fluorescence.
990-1000	100	Sandstone: light grey, very fine to grit, dominantly coarse, angular to subrounded, very poorly sorted, weak to moderate silica cement, trace pyrite cement, trace white argillaceous matrix, rare yellow quartz grains, trace grey green cherty lithics, trace black carbonaceous detritus, friable, fair to good visual porosity, no oil fluorescence.
1000-1010	100	Sandstone: light grey, very fine to grit, dominantly coarse, angular to subrounded, very poorly sorted, weak to moderate silica cement, trace pyrite cement, trace white argillaceous matrix, trace grey green cherty lithics, trace to common black coaly detritus often with associated pyrite, friable, fair to good visual porosity, no oil fluorescence.
1010-1030	70	Sandstone: light grey, very fine to grit, dominantly fine, angular to subrounded, very poorly sorted, weak to moderate silica cement, trace pyrite cement, abundant white argillaceous matrix, trace grey green cherty lithics, trace to common black coaly detritus often with associated pyrite, friable, poor visual porosity, no oil fluorescence.
	30	Claystone: medium to dark grey, very silty, trace very fine quartz and partially altered feldspar laminae in part, trace to common black carbonaceous flecks and rare detritus, trace pyrite, trace micromica, soft, very dispersive, non to slightly subfissile.
1030-1040	30	Sandstone: as for 1010-1030m.
	70	Claystone: as for 1010-1030m.

Interval (m)	%	Description PAGE: 2
1040-1050	20	Sandstone: light grey, very fine to occasionally grit, dominantly medium to coarse, angular to subrounded, dominantly subangular, poorly sorted, weak silica cement, common to abundant white to medium grey argillaceous and silt matrix, trace to common black coaly detritus, trace pyrite, friable, poor inferred porosity, no oil fluorescence.
	80	Claystone: medium to dark grey, very silty, common to abundant dispersed very fine to very coarse quartz sand grains, common black coaly detritus, common black carbonaceous flecks, common micromica, soft, very dispersive, slightly subfissile.
1050-1070	40	Sandstone: light grey, very fine to grit, dominantly medium to coarse, angular to subrounded, dominantly subangular, poorly sorted, weak silica cement, common to abundant white to medium grey argillaceous and silt matrix, trace to common black coaly detritus, trace pyrite, friable, poor inferred porosity, no oil fluorescence.
	60	Claystone: as for 1040-1050m.
1070-1080	90	Sandstone: light grey, very fine to grit, dominantly fine, angular to subrounded, dominantly subangular, poorly sorted, weak silica cement, abundant white argillaceous matrix, trace to common black coaly detritus, trace pyrite, friable, poor inferred porosity, no oil fluorescence.
	10	Claystone: as for 1040-1050m.
1080-1090	10	Sandstone: as for 1070-1080m.
	90	Claystone: medium to dark grey, very silty, common to abundant dispersed very fine to very coarse quartz sand grains, common to abundant black coaly detritus, common black carbonaceous flecks, common micromica, soft, very dispersive, slightly subfissile.
1090-1100	20	Sandstone: light grey, very fine to grit, dominantly fine, angular to subrounded, dominantly subangular, poorly sorted, weak to moderate silica cement, common white argillaceous matrix, trace to common black coaly detritus, trace pyrite, friable, poor to fair inferred porosity, no oil fluorescence.
	80	Claystone: as for 1080-1090m.
1100-1105	80	Sandstone: light grey, very fine to grit, dominantly fine, angular to subrounded, dominantly subangular, poorly sorted, moderate to strong silica and calcareous cements, trace to common white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to moderately hard, poor visual porosity, no oil fluorescence.
	20	Claystone: as for 1080-1090m.
1105-1115	90	Sandstone: light grey, very fine to very coarse, dominantly fine to medium, angular to subrounded, dominantly subangular, poorly sorted, moderate to strong silica and calcareous cements, trace to common white argillaceous matrix, trace black coaly detritus, trace pyrite, friable, fair visual porosity, no oil fluorescence.
	10	Claystone: as for 1080-1090m.
1115-1125	70	Sandstone: off white, very fine to fine, subangular to subrounded, moderately to well sorted, moderate silica and trace calcareous cements, abundant white argillaceous matrix, abundant partially altered feldspar grains, trace carbonaceous detritus, trace pyrite, friable to moderately hard, very poor visual porosity, no oil fluorescence.
	30	Claystone: off white to medium grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, trace pyrite, soft, very dispersive, slightly subfissile.
1125-1130	10	Sandstone: as for 1115-1125m.
	90	Claystone: medium grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, trace pyrite, soft, very dispersive, slightly subfissile.

Interval (m)	%	Description PAGE: 3
1130-1135	60	Sandstone: off white to very light brown, very fine to fine, subangular to subrounded, moderately to well sorted, strong silica and moderate calcareous cements, trace to abundant white argillaceous matrix, trace to abundant off white partially altered feldspar grains, trace green lithics, trace black carbonaceous detritus, trace pyrite, friable to hard, nil to very poor visual porosity, no oil fluorescence.
	40	Claystone: medium to dark grey to medium brown grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, trace pyrite, trace micromica, soft, very dispersive, slightly subfissile.
1135-1145	80	Sandstone: as for 1130-1135m.
	20	Claystone: as for 1130-1135m.
1145-1150	70	Sandstone: light grey, very fine to grit, dominantly fine to medium, angular to subrounded, dominantly subangular, poorly sorted, moderate silica and weak calcareous cements, trace to common white argillaceous matrix, trace to common black coaly detritus, trace pyrite, friable to moderately hard, fair visual porosity, no oil fluorescence.
	30	Claystone: medium to dark grey to medium brown grey, moderately to very silty, abundant dispersed very fine quartz and partially altered feldspar grains in part, trace to common carbonaceous detritus and flecks, trace to common pyrite, trace micromica, soft, very dispersive, slightly subfissile.
1150-1155	10	Sandstone: as for 1145-1150m.
	90	Claystone: medium brown grey to medium grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, trace pyrite, trace micromica, soft, very dispersive, slightly subfissile.
1155-1160	50	Sandstone: light grey, very fine to medium, dominantly fine, angular to subrounded, dominantly subangular, moderately to well sorted, moderate silica and weak calcareous cements, common to abundant white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to moderately hard, poor to fair visual porosity, no oil fluorescence.
	50	Claystone: as for 1150-1155m.
1160-1165	70	Sandstone: as for 1155-1160m.
	30	Claystone: as for 1150-1155m.
1165-1170	50	Sandstone: light grey, very fine to medium, occasional coarse to very coarse grains, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, moderate silica and weak calcareous cements, common to abundant white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to occasionally moderately hard, poor to fair visual porosity, no oil fluorescence.
	50	Sandstone: light grey, very fine to medium, occasional coarse to very coarse grains, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, moderate silica and weak calcareous cements, common to abundant white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to occasionally moderately hard, poor to fair visual porosity, no oil fluorescence.
1170-1175	40	Sandstone: light grey, very fine to medium, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, moderate silica and weak calcareous cements, common to abundant white argillaceous matrix, trace black coaly detritus, abundant pyrite, friable to occasionally moderately hard, poor to fair visual porosity, no oil fluorescence.
	60	Claystone: as for 1165-1170m.
1175-1180	60	Sandstone: as for 1170-1175m.
	40	Claystone: medium brown grey to medium grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, common to abundant pyrite, trace micromica, soft, very dispersive, slightly subfissile.

Interval (m)	%	Description PAGE: 4
1180-1185	30	Sandstone: light grey, very fine to medium, dominantly fine, angular to subrounded, dominantly subangular, moderately sorted, moderate silica and weak calcareous cements, abundant white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to occasionally moderately hard, poor to fair visual porosity, no oil fluorescence.
	70	Claystone: medium brown grey to medium grey, moderately to very silty, often very finely arenaceous with quartz and partially altered feldspar grains, trace carbonaceous detritus and flecks, trace pyrite, trace micromica, soft, very dispersive, slightly subfissile.
1185-1190	60	Sandstone: light grey, very fine to fine, angular to subrounded, moderately to well sorted, moderate silica and weak calcareous cements, abundant white argillaceous matrix, trace black coaly detritus, trace pyrite, friable to moderately hard, poor visual porosity, no oil fluorescence.
	40	Claystone: as for 1180-1185m.
1190-1195	100	Claystone: medium brown grey, moderately to very silty, common black carbonaceous flecks and occasional detritus, trace medium brown cryptocrystalline dolomite, common pyrite, trace to common micromica, soft, very dispersive, slightly subfissile.
1195-1200	90	Claystone: as for 1190-1195m.
	10	Claystone: medium green, very silty, abundant dispersed very fine to medium quartz sand grains, trace glauconite, trace pyrite, soft, very dispersive, non fissile.
1200-1205	50	Sandstone: light yellow green, very fine to medium, dominantly fine, subangular to subrounded, moderately sorted, weak silica cement, abundant green argillaceous and silt matrix - matrix supported, abundant yellow green quartz grains, trace glauconite, friable, poor inferred porosity, no oil fluorescence.
	50	Claystone: medium green, very silty, abundant dispersed very fine to medium clear-yellow-green quartz sand grains, trace glauconite, trace pyrite, soft, very dispersive, non fissile.
1205-1215	70	Sandstone: as for 1200-1205m.
	30	Claystone: as for 1200-1205m.
1215-1220	40	Sandstone: light yellow green, very fine to medium, dominantly fine, subangular to subrounded, moderately sorted, weak silica and calcareous cements, abundant green argillaceous and silt matrix - matrix supported, abundant yellow green quartz grains, trace glauconite, friable, poor inferred porosity, no oil fluorescence.
	60	Claystone: medium green to medium blue green grey, very silty, abundant dispersed very fine to medium clear-yellow-green quartz sand grains, trace glauconite, trace pyrite, soft, very dispersive, non fissile.
1220-1225	80	Sandstone: as for 1215-1220m.
	20	Claystone: as for 1215-1220m.
1225-1235	90	Claystone: medium to dark grey, medium brown grey, mderately to very silty, occasional dispersed very fine to fine quartz and altered feldspar sand grains, trace black carbonaceous flecks, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.
	10	Sandstone: as for 1215-1220m.
1235-1245	100	Claystone: medium to dark grey, medium brown grey, moderately to very silty, occasional dispersed very fine to fine quartz and altered feldspar sand grains, trace black carbonaceous flecks, trace glauconite, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.
	Trace	Sandstone: as for 1215-1220m.
1245-1255	100	Claystone: medium to dark grey, medium brown grey, moderately to very silty, trace very fine off white partially altered feldspar grains, trace black carbonaceous flecks, common glauconite, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.

Interval (m)	%	Description	PAGE: 5
1255-1270	100	Claystone: medium to dark grey, medium brown grey, moderately to very silty, trace very fine off white partially altered feldspar grains, trace medium brown cryptocrystalline dolomite often with associated glauconite, trace black carbonaceous flecks and rare coaly detritus, common to abundant glauconite, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.	
1270-1280	100	Claystone: medium to dark grey, medium brown grey, moderately to very silty, trace very fine off white partially altered feldspar grains, trace medium brown cryptocrystalline dolomite often with associated glauconite, trace black carbonaceous flecks, abundant glauconite, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.	
1280-1285	95	Claystone: as for 1270-1280m.	
	5	Dolomite: medium brown, non to often very argillaceous, cryptocrystalline to finely crystalline, common glauconite, abundant quartz sand grains in part, hard, no oil fluorescence but solid dull orange mineral fluorescence.	
1285-1287.7	50	Sandstone: off white to light grey, very fine to grit, dominantly coarse to very coarse, angular to subrounded, poor to moderately sorted, weak silica cement, strong dolomite cement in part, trace to abundant white argillaceous matrix, clear quartz grains, trace pyrite, friable to hard, poor to dominantly very good inferred porosity, no oil fluorescence.	
	50	Claystone: as for 1270-1280m.	

CULTUS PETROLEUM N.L. APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	19-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-7		
1287.7-1290.7	50	Sandstone: off white to light grey, very fine to grit, dominantly fine to medium, angular to subrounded, dominantly subangular, very poorly sorted, weak to moderate silica cement, trace white argillaceous matrix, clear to opaque quartz grains, friable, good inferred porosity, no oil fluorescence.
	50	Claystone: intermixture of types from below shoe to TD - probable caving after wiper trip.
1290.7-1292.0	Core	Sandstone: light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, moderately hard, poor visual porosity, no oil fluorescence. With 80% at top decreasing to 25% at base of flat wavy laminations (occasionally convoluted) of: Claystone: dark grey, very silty, common black carbonaceous flecks and detritus, common fine to medium grained muscovite flakes, common micromica, abundant dispersed very fine quartz and altered feldspar grains in part, moderately hard, slightly subfissile.

CULTUS PETROLEUM N.L.

905298 100 APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	20-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-8		

Interval (m)	%	Description PAGE: 2
1292.0-1310 CORE-2		Chip Sample: 1292.0m Sandstone: (100%) light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, trace mica flakes, moderately hard, poor visual porosity, no oil fluorescence, with minor medium brown silty to finely arenaceous lamina Chip Sample: 1292.5 Sandstone: (90%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with minor laminae of: Siltstone: (10%) very dark grey, often very finely arenaceous, very carbonaceous, trace amber, common micromica, moderately hard, subfissile. Chip Sample: 1293.5m Sandstone: (80%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with abundant laminae of: Carbonaceous Siltstone: (20%) very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile. Chip Sample: 1294.5m Sandstone: (80%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with abundant laminae of: Carbonaceous Siltstone: (20%) very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile. Chip Sample: 1295.5m Claystone: (100%) very dark brown grey, moderately to very silty, moderately carbonaceous, trace micromica, slickensided, firm, slightly subfissile. Chip Sample: 1296.5m Silty Claystone: (100%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with minor microlenses of: Sandstone: (trace) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence. Chip Sample: 1297.5m Silty Claystone: (95%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded: Sandstone: (5%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence. Chip Sample: 1298.5m Silty Claystone: (90%) very dark brown grey, moderately to very carbonaceous, trace

Interval (m)	%	Description	PAGE: 3
1310-1315	100	Cavings: dominantly Lower Belfast	
1315-1320	100	Cavings: dominantly Lower Belfast	
1320-1325	30	Sandstone: light greenish grey to light brownish grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown and green lithics, trace black coaly detritus, friable to moderately hard, poor visual porosity, no oil fluorescence.	
	70	Claystone: off white to light blue grey, soft, sticky.	

CULTUS PETROLEUM N.L. 905208 103 APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	20-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-9		
1325-1330	10	Sandstone: light grey, very fine to fine, subangular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace to common white argillaceous matrix, abundant altered feldspar grains, common grey green and brown lithics, trace black coaly detritus, moderately hard, very poor visual porosity, no oil fluorescence.
	90	Claystone: off white to very light blue grey, amorphous, trace black coaly detritus, sticky.
1330-1340	60	Sandstone: light to medium green grey, very fine to medium, dominantly fine, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant off white altered feldspar grains, abundant grey green lithics, common brown lithics, trace black coal detritus, trace pyrite, friable to moderately hard, poor visual porosity, no oil fluorescence.
	40	Claystone: off white to light green grey, trace black coaly detritus, very soft and sticky to occasionally firm, non fissile.
1340-1355	80	Sandstone: light to medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant off white altered feldspar grains, abundant grey green lithics, common brown lithics, trace red lithics, trace black coal detritus, trace pyrite, friable to moderately hard, poor visual porosity, no oil fluorescence.
	20	Claystone: off white to light green grey, occasionally medium brown, trace to occasionally common black coaly detritus, very soft and sticky to occasionally firm, non fissile.
1355-1360	80	Sandstone: light to medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, weak silica cement, trace strong calcareous cement, common white argillaceous matrix, abundant off white altered feldspar grains, abundant grey green lithics, common brown lithics, trace red lithics, trace black coal detritus, trace pyrite, friable to moderately hard, poor visual porosity, no oil fluorescence.
	20	Claystone: as for 1340-1355m.
1360-1365	70	Sandstone: as for 1355-1360m.
	30	Claystone: as for 1340-1355m.
1365-1375	90	Sandstone: light to medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	10	Claystone: off white to light green, trace medium brown, trace to occasionally common black coaly detritus, trace brown mica flakes, soft and sticky to occasionally firm, non fissile.
1375-1390	80	Sandstone: as for 1365-1375m.
	20	Claystone: as for 1365-1375m.

Interval (m)	%	Description PAGE: 2
1390-1400	100	Sandstone: as for 1365-1375m.
	Trace	Claystone: as for 1365-1375m.
1400-1405	80	Sandstone: medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: off white to light green, minor light to medium brown, trace to occasionally common black coaly detritus, trace brown mica flakes, soft and sticky to occasionally firm, non fissile.
1405-1415	60	Sandstone: medium green grey, very fine to medium, dominantly fine to medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	40	Claystone: as for 1400-1405m.
1415-1425	40	Sandstone: light to medium green grey, very fine to fine, dominantly fine, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace pyrite, friable, very poor visual porosity, no oil fluorescence.
	60	Claystone: off white to light green, light to medium brown, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace micromica, firm, very dispersive, slightly subfissile.
1425-1430	50	Sandstone: light to medium green grey, very fine to occasionally coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	50	Claystone: as for 1415-1425m.
1430-1435	70	Sandstone: as for 1425-1435m.
	30	Claystone: as for 1425-1435m.
1435-1440	90	Sandstone: light to medium green grey, very fine to medium, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	10	Claystone: as for 1425-1435m.
1440-1445	80	Sandstone: light to medium green grey, very fine to medium, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: off white to light green, light to medium brown, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1445-1450	70	Sandstone: as for 1440-1445m.

Interval (m)	%	Description
	30	Claystone: light to medium brown, off white to occasionally light green, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1450-1465	90	Sandstone: light to medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	10	Claystone: as for 1445-1450m.
1465-1470	70	Sandstone: as for 1450-1465m.
	30	Claystone: as for 1445-1450m.
1470-1480	40	Sandstone: light to medium green grey, very fine to occasionally medium, dominantly fine, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, very poor visual porosity, no oil fluorescence.
	60	Claystone: off white to light green grey, medium grey, light to medium brown grey, moderately to very silty, abundant dispersed very fine partially altered feldspar grains in part, trace fine black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1480-1485	60	Sandstone: as for 1470-1480m.
	35	Claystone: as for 1470-1480m.
	5	Calcite: white to light yellow, coarsely crystalline, hard - possible fracture infill.
1485-1490	70	Sandstone: light to medium green grey, very fine to medium, dominantly fine, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, common brown mica flakes, trace pyrite, friable, very poor visual porosity, no oil fluorescence.
	30	Claystone: as for 1470-1480m.
1490-1495	80	Sandstone: light to medium green grey, very fine to occasionally coarse, dominantly fine to medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: off white to light green grey, light to medium brown, medium grey, very silty in part, abundant dispersed very fine partially altered feldspar grains in part, trace to common fine black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1495-1500	90	Sandstone: light to medium green grey, very fine to occasionally coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common brown and red lithics, trace black coal detritus, common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	10	Claystone: as for 1490-1495m.

Interval (m)	%	Description
1500-1510	80	Sandstone: medium green grey, very fine to occasionally coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common orange to red lithics, trace black coal detritus, trace to common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: as for 1490-1495m.
1510-1515	100	Sandstone: as for 1500-1510m.
1515-1520	60	Sandstone: as for 1500-1510m.
	40	Claystone: off white to light green grey, occasionally medium grey, minor light to medium brown, occasionally very silty, abundant dispersed very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1520-1525	10	Sandstone: as for 1500-1510m.
	90	Claystone: as for 1515-1520m.
1525-1530	70	Sandstone: light to medium green grey, very fine to occasionally coarse, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common orange to red lithics, trace black coal detritus, trace to common brown mica flakes, trace pyrite, friable, very poor to poor visual porosity.
	FLOR	The sandstone has 5% bright solid yellow white fluorescence giving a weak milky white crush cut, thin very pale yellow white ~~crush cut~~ ring residue.
	30	Claystone: as for 1515-1520m.

CULTUS PETROLEUM N.L. 905298 107 APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	21-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-10		
1532-1540	100	Sandstone: medium green grey, fine to coarse, dominantly medium to coarse, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common yellow to red lithics, trace black coal detritus, trace to common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
1540-1550	100	Sandstone: medium green grey, fine to medium, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common yellow to red lithics, trace black coal detritus, trace to common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	Trace	Claystone: off white to light green grey, occasionally medium grey, minor light to medium brown, moderately to very silty, abundant dispersed very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1550-1560	90	Sandstone: as for 1540-1550m.
	10	Claystone: off white to light green grey, occasionally medium grey, minor light to medium brown, occasionally very silty, abundant dispersed very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace pyrite, trace brown mica flakes, trace micromica, firm, very dispersive, slightly subfissile.
1560-1570	80	Sandstone: as for 1550-1560m.
	20	Claystone: as for 1550-1560m.
1570-1575	80	Claystone: off white to yellowish grey, occasionally light brown grey, minor medium brown, moderately to very silty, abundant dispersed very fine partially altered feldspar grains in part, trace black carbonaceous matter, rare pyrite, trace brown mica flakes, trace micromica, firm, non fissile.
	20	Sandstone: medium green grey, fine to medium, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common yellow to red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
1575-1580	70	Claystone: as for 1570-1575m.
	30	Sandstone: as for 1570-1575m.
1580-1590	90	Claystone: light grey to light greenish grey, occasionally light brownish grey, slightly to occasionally very silty, abundant very fine partially altered feldspar, trace black carbonaceous matter, trace brown mica flakes, trace pyrite, firm to moderately hard, slightly subfissile.

Interval (m)	%	Description
	10	Sandstone: medium green grey, fine to coarse, dominantly medium, subangular to subrounded, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common yellow to red lithics, trace black coal detritus, trace to common brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
1590-1600	70	Sandstone: medium green grey, fine to medium, dominantly medium, subangular, moderately to well sorted, weak silica and calcareous cements, common to abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, common yellow to red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	30	Claystone: light grey to light greenish grey, occasionally light brownish grey, slightly to very silty, abundant very fine partially altered feldspar grains, trace black carbonaceous matter, trace brown mica flakes, trace pyrite, firm to moderately hard, slightly subfissile.
1600-1610	40	Sandstone: as for 1590-1600m.
	60	Claystone: as for 1590-1600m.
1610-1620	80	Sandstone: as for 1590-1600m.
	20	Claystone: as for 1590-1600m.
1620-1625	70	Sandstone: medium green grey to light green grey, fine to medium, rarely coarse, subangular to occasionally subrounded, moderately to well sorted, moderate calcareous and weak silica cements, common to abundant white argillaceous matrix, abundant dark grey, green lithics and off white altered feldspar grains, common yellow brown to red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence but trace -5% dull yellow mineral fluorescence, no cut.
	30	Claystone: off white to light grey brown, slightly silty, abundant very fine partially altered feldspar grains, common white calcilutitic clay - possibly fracture infill, trace black carbonaceous matter, trace brown mica flakes, trace pyrite, firm to moderately hard, slightly subfissile.
1625-1635	100	Sandstone: as for 1620-1625m.
1635-1645	90	Sandstone: medium green grey to light green grey, fine to medium, rarely coarse, subangular to occasionally subrounded, moderately to well sorted, weak calcareous and weak silica cements, common to abundant white argillaceous matrix, abundant dark grey, green lithics and off white altered feldspar grains, common yellow brown to red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	10	Claystone: light green grey to light grey brown, slightly silty, abundant very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace brown mica flakes, trace pyrite, firm to moderately hard, slightly subfissile.
1645-1655	80	Sandstone: as for 1635-1645m.
	20	Claystone: light green grey to light grey brown, very silty, abundant very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace brown mica flakes, firm to moderately hard, non fissile.
1655-1665	60	Sandstone: as for 1635-1645m.
	40	Claystone: as for 1645-1655m.
1665-1675	60	Sandstone: medium green grey to light green grey, fine to coarse, dominantly medium, subangular to occasionally subrounded, moderately to well sorted, weak calcareous and weak silica cements, abundant white argillaceous matrix, abundant dark grey and green lithics and off white altered feldspar grains, common yellow brown to red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, rare garnet, friable, poor visual porosity, no oil fluorescence but trace -5% dull yellow mineral fluorescence, no cut.

	40	Claystone: as for 1645-1655m.
1675-1685	70	Sandstone: medium green grey to light green grey, fine to coarse, dominantly medium, subangular to occasionally subrounded, moderately to well sorted, weak calcareous and weak silica cements, abundant white argillaceous matrix, abundant dark grey and green lithics and off white altered feldspar grains, common yellow brown to red lithics, trace black coal detritus, trace brown mica flakes, trace pyrite, rare garnet, friable, very poor to poor visual porosity, no oil fluorescence.
	30	Claystone: as for 1645-1655m.
1685-1705	90	Sandstone: as for 1665-1675m.
	10	Claystone: as for 1645-1655m.
1705-1710	40	Sandstone: as for 1665-1675m.
	60	Claystone: light green grey to medium grey, medium brown, very silty, abundant very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace brown mica flakes, firm to moderately hard, slightly subfissile.
1710-1715	10	Sandstone: as for 1665-1675m.
	90	Claystone: medium to light grey brown to light green grey, very silty, abundant very fine partially altered feldspar grains in part, trace black carbonaceous matter, trace brown and green mica flakes, firm to moderately hard, slightly subfissile.
1715-1720	30	Sandstone: as for 1665-1675m.
	70	Claystone: as for 1710-1715m.
1720-1725	20	Sandstone: as for 1665-1675m.
	80	Claystone: as for 1710-1715m.
1725-1730	50	Sandstone: off white to light green grey, fine to medium, dominantly medium, subangular to occasionally subrounded, moderately to well sorted, weak calcareous and silica cements, abundant white argillaceous matrix, abundant dark grey to green lithics and off white altered feldspar grains, trace yellow brown to red lithics, trace black coal detritus, trace brown and green mica flakes, trace pyrite, rare garnet, friable, very poor visual porosity, no oil fluorescence.
	50	Claystone: as for 1710-1715m.
1730-1740	70	Sandstone: as for 1725-1730m.
	30	Claystone: as for 1710-1715m.
1740-1748	80	Sandstone: off white to light green grey, fine to dominantly medium, subangular to occasionally subrounded, moderately to well sorted, weak calcareous and silica cements, abundant white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace yellow brown and red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, rare garnet, friable, very poor visual porosity, no oil fluorescence.
	20	Claystone: as for 1710-1715m.

CULTUS PETROLEUM N.L. 905298 110 APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	23-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-11		
1748-1766	Core	See core report-3
1766-1770	60	Sandstone: light to medium green grey, fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	40	Claystone: medium dark grey, light to medium green grey, light to medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace black carbonaceous matter, trace mica flakes, trace micromica, firm to moderately hard, non to slightly subfissile.
1770-1775	70	Sandstone: medium green grey, very fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	30	Claystone: as for 1766-1770m.
1775-1780	40	Sandstone: as for 1770-1775m.
	60	Claystone: as for 1766-1770m.
1780-1790	80	Sandstone: medium green grey, fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: as for 1766-1770m.
1790-1800	100	Sandstone: as for 1780-1790m.
1800-1820	40	Sandstone: as for 1780-1790m.
	60	Claystone: off white to light brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace black carbonaceous matter, trace mica flakes, trace micromica, firm to moderately hard, non to slightly subfissile.

CULTUS PETROLEUM N.L. 905298 111 APPENDIX

CUTTINGS DESCRIPTION

WELL NAME:	Skull Creek West-1	DATE:	24-2-97
GEOLOGIST:	David Horner	PAGE:	1

Interval (m)	%	Description
For geology report-12		
1820-1825	60	Sandstone: medium green grey, fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	40	Claystone: off white to light brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace black carbonaceous matter, trace mica flakes, trace micromica, firm to moderately hard, non to slightly subfissile.
1825-1830	40	Sandstone: as for 1820-1825m.
	60	Claystone: as for 1820-1825m.
1830-1845	60	Sandstone: medium green grey to light grey, fine to coarse, dominantly medium, subangular, moderately to well sorted, moderate silica and weak calcareous cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	40	Claystone: as for 1820-1825m.
1845-1855	50	Sandstone: medium green grey to light grey, fine to medium, rarely coarse, subangular, moderately to well sorted, moderate silica and weak calcareous cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	50	Claystone: as for 1820-1825m.
1855-1860	40	Sandstone: medium green grey to light grey, fine to medium, occasionally coarse, subangular, moderately to well sorted, moderate silica and weak calcareous cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	60	Claystone: light grey brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace black coaly matter, trace micromica, firm to moderately hard, non to slightly subfissile.
1860-1865	30	Sandstone: as for 1855-1860m.
	70	Claystone: light grey brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace to common black coaly matter, trace micromica, firm to moderately hard, non to slightly subfissile.
1865-1870	trace	Sandstone: as for 1855-1860m.

Interval (m)	%	Description
	100	Claystone: light grey brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace to common black coaly matter, trace micromica, trace pyrite, firm to moderately hard, non to slightly subfissile.
1870-1875	20	Sandstone: medium green grey to light grey, very fine to medium to occasionally coarse, dominantly medium, subangular to subrounded, moderately sorted, moderate silica and calcareous cement, common white argillaceous matrix, abundant dark grey green lithics and off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	80	Claystone: as for 1865-1870m.
1875-1885	80	Sandstone: medium green grey to light grey, fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica and calcareous cement, common white argillaceous matrix, abundant dark grey green lithics, common off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown and green mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence, 5% dull yellow mineral fluorescence.
	20	Claystone: as for 1865-1870m.
1885-1890	100	Sandstone: as for 1875-1885m.
1890-1895	80	Sandstone: medium green grey to light grey, fine to coarse, dominantly medium, subangular, moderately sorted, moderate silica and calcareous cement, common white argillaceous matrix, abundant dark grey green lithics, common off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: light grey brown, medium to rarely dark grey, light to medium green grey, occasionally medium brown, often very silty, abundant very fine partially altered feldspar grains where silty, trace to common black coaly matter, trace micromica, trace pyrite, firm to moderately hard, non to slightly subfissile.
1895-1900	60	Sandstone: medium green grey to light grey, fine to medium, dominantly medium, subangular, moderately sorted, moderate silica and weak calcareous cements, abundant white argillaceous matrix, abundant dark grey green lithics, abundant off white altered feldspar grains, trace brown red lithics, trace black coaly detritus, trace brown mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	40	Claystone: light brown to medium green grey, medium grey to medium brown, very silty in part, abundant very fine partially altered feldspar grains where silty, trace to common black coaly matter, trace micromica, trace pyrite, firm to moderately hard, non to slightly subfissile.
1900-1905	80	Sandstone: medium green grey to light grey, fine to medium, dominantly medium, subangular, moderately sorted, moderate silica and weak calcareous cements, abundant white argillaceous matrix, abundant dark grey green lithics, common off white altered feldspar grains, trace brown to red lithics, trace black coaly detritus, common brown and greeen mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	20	Claystone: light to medium brown, light to medium green, medium grey, very silty in part, abundant very fine partially altered feldspar grains where silty, trace to common black coaly matter, trace micromica, trace pyrite, firm to moderately hard, non to slightly subfissile.
1905-1910	40	Sandstone: medium green grey to light grey, fine to occasionally coarse, dominantly medium, subangular, moderately sorted, moderate silica and weak calcareous cements, abundant white argillaceous matrix, abundant dark grey green lithics, common off white altered feldspar grains, trace brown to red lithics, trace black coaly detritus, common brown and greeen mica flakes, trace pyrite, friable, poor visual porosity, no oil fluorescence.
	60	Claystone: as for 1900-1905m.

Interval (m)	%	Description
1910-1915	100	Claystone: light to medium brown, light to medium green, medium grey, very silty in part, abundant very fine partially altered feldspar grains where silty, common black coaly detritus and laminae, trace micromica, trace pyrite, firm to moderately hard, non to slightly subfissile.
1915-1925	20	Sandstone: as for 1905-1910m.
	80	Claystone: as for 1910-1915m.
1925-1930	40	Sandstone: light to medium green grey, very fine to medium, dominantly fine, subangular to occasionally subrounded, moderate silica and weak calcareous cements, abundant white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace brown and red lithics, trace black carbonaceous matter, friable, very poor visual porosity, no oil fluorescence.
	60	Claystone: light green grey, light brown grey, occasionally medium brown, very silty in part, trace black carbonaceous matter, trace micromica, firm to moderately hard, non to slightly subfissile.
1930-1935	70	Sandstone: light to medium green grey, very fine to medium, occasional coarse grains, dominantly fine to medium, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, very poor to poor visual porosity, no oil fluorescence.
	30	Claystone: light to medium olive grey, light to medium brown grey, occasionally dark brown grey, very silty in part, very finely arenaceous where silty often with abundant altered feldspar grains, trace black carbonaceous detritus and laminae, trace micromica, firm, very dispersive, non to slightly subfissile.
1935-1940	50	Sandstone: as for 1930-1935m.
	50	Claystone: as for 1930-1935m.
1940-1945	20	Sandstone: light to medium green grey, very fine to occasionally medium, dominantly very fine, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence.
	80	Claystone: as for 1930-1935m.
1945-1955	20	Sandstone: light to medium green grey, very fine, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, no visual porosity, no oil fluorescence.
	80	Claystone: light to medium green grey, light to medium brown grey, rarely dark brown grey, very silty in part, very finely arenaceous where silty often with abundant altered feldspar grains, trace black carbonaceous detritus and laminae, trace micromica, firm, very dispersive, non to slightly subfissile.
1955-1965	80	Sandstone: light to medium green grey, very fine to medium, dominantly fine to medium, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence.
	20	Claystone: as for 1945-1955m.

Interval (m)	%	Description
1965-1975	20	Sandstone: light to medium green grey, very fine to medium, dominantly fine, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence.
	80	Claystone: light brown grey to medium olive grey, medium grey to medium brown, rarely dark brown grey, very silty in part, very finely arenaceous where silty often with abundant altered feldspar grains, trace black carbonaceous detritus and laminae, trace micromica, firm, very dispersive, non to slightly subfissile.
1975-1985	60	Sandstone: as for 1965-1975m.
	40	Claystone: light brown grey to medium olive grey, medium grey, rarely dark brown grey, very silty in part, very finely arenaceous where silty often with abundant altered feldspar grains, trace black carbonaceous detritus and laminae, trace micromica, firm, very dispersive, non to slightly subfissile.
1985-1990	30	Sandstone: light to medium green grey, very fine to occasionally fine, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, nil to very poor visual porosity, no oil fluorescence.
	70	Claystone: as for 1975-1985m.
1990-1995	60	Sandstone: light to medium green grey, very fine to medium, dominantly fine, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, very poor visual porosity, no oil fluorescence.
	40	Claystone: as for 1975-1985m.
1995-2000 T.D.	40	Sandstone: light to medium green grey, very fine to occasionally fine, subangular, moderately sorted, moderate silica and weak calcareous cements, common off white argillaceous matrix, abundant grey green lithics and off white altered feldspar grains, trace to common red and brown lithics, trace brown and green mica flakes, trace black coaly detritus, friable to moderately hard, nil to very poor visual porosity, no oil fluorescence.
	60	Claystone: off white to light brown grey to medium olive grey, medium grey to rarely medium brown, rarely dark brown grey, very silty in part, very finely arenaceous where silty often with abundant altered feldspar grains, trace black carbonaceous detritus and laminae, trace micromica, firm, very dispersive, non to slightly subfissile.
		Reached T.D. 2000m at 2000hrs 24th February, 1997.

SECTION 5:

CORE REPORTS

SECTION 5(a):

CORE DESCRIPTIONS

CORE 1

CULTUS PETROLEUM NL

CORE REPORT FORM

PAGE _1_ OF _1_

WELL INFORMATION											
WELL NAME:	Skull Creek West -1				CORE NO:	1		DATE:	11/3/97		
CORE INTERVAL:	1290.7 - 1292.0		m (Drlr)		FORMATION CORED:			Waarre			
			m (Logr)		TYPE (CONV./SLEEVED)						
CORE RESULTS	CUT:	1.3	(m)	RECOVERED :	1.3	(m)	RECOVERY:		100	(%)	

CORE ANALYSIS				DEPTH (m)	SPLE FOR ANAL	ROP mins/m	FLUOR Tr Pr Fr Gd	LITH	DESCRIPTION MP-Mounted Plug CP-Core Plug PS-Preserved Sample
TG (U)	Ø (%)	K (mD)	SO (%)	DESCRIBE ANY LITH SYMBOLS USED:					
				1290.7					1290.7 - 1292.0 **Sandstone:** light grey, very fine to occ.
				1291		85.71			fine grained, angular to subrounded, dominantly angular, well
						100.00			sorted, moderate silica cement, weak calcareous cement,
				1292		85.71m			common white arg and silt matrix, abundant altered feldspar
									grains, common fine black carbonaceous detritus, trace grn
									lithics, moderately hard, poor visual porosity, no oil fluor.
									hummocky cross stratified, rippled and interbedded with
									Silty Claystone: dark grey, common black carb detritus,
									common fine to medium grained muscovite flakes, common
									micromica, abundant dispersed very fine quartz and altered
									feldspar grains in part, moderately hard, slightly subfissile,
									heavily convoluted and becoming contorted at 1291 and at
									1291.7-1291.8 Heavily contorted and micro faulted
									1291.85-1291.94 Hummocky cross stratified, very fine
									sandstone as above but with lenticular carbonaceous detrits
									and trace disseminated pyrite.
									1291.4-1292 Dominantly silty claystone 10mm thick then
									very fine interbedded, dominantly carbonaceous banded
									sandstone with rare minor convolutions.

CULTUS PETROLEUM N.L.

SKULL CREEK WEST-1 **CORE-1**

CUT: 1290.7 - 1292.0 m **REC: 1290.7 - 1292.0m (100%)**

1290.7-1292.0m Sandstone: light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, moderately hard, poor visual porosity, no oil fluorescence.

With 80% at top decreasing to 25% at base of flat wavy laminations (occasionally convoluted) of:

Claystone: dark grey, very silty, common black carbonaceous flecks and detritus, common fine to medium grained muscovite flakes, common micromica, abundant dispersed very fine quartz and altered feldspar grains in part, moderately hard, slightly subfissile.

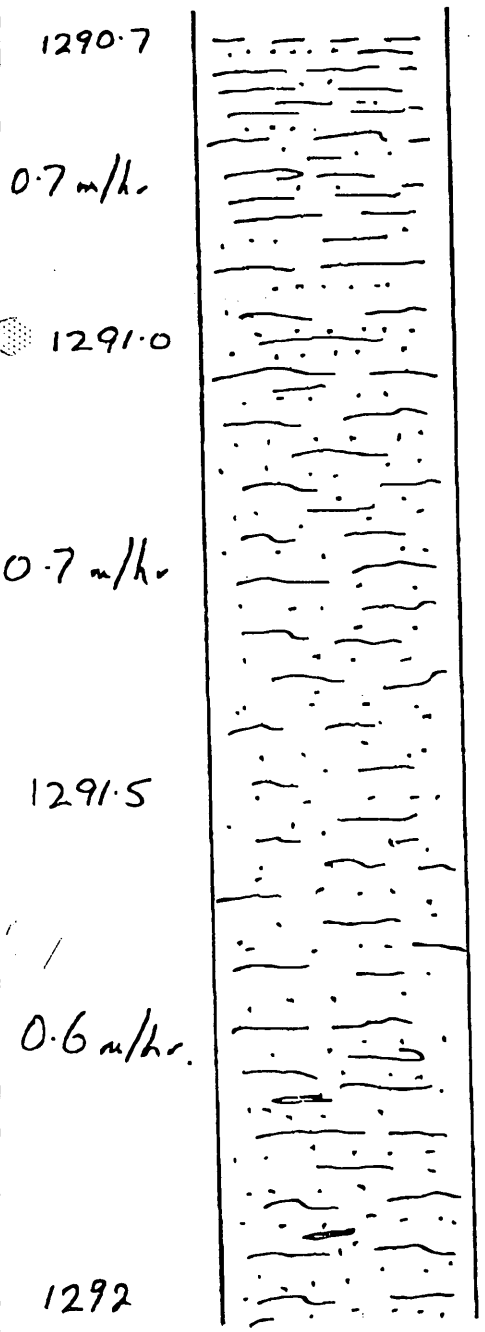
Drill rate :	1290.7-1291.0	0.7 m/hr	Gas : TG 2 units
	1291.0-1291.5	0.7 m/hr	C1 232 ppm
	1291.5-1292.0	0.6 m/hr	C2 Trace

905298 121

CORE # 1 SKULL CREEK WEST-1

CUT 1290.7 - 1292.0 (1.3m)

REC 1290.7 - 1292.0 (1.3m) (100%).



Description

See file SCWCR1.doc.

ATTN: GREG ONEILL

CORE 2

CULTUS PETROLEUM NL

CORE REPORT FORM

PAGE 1 OF 2

WELL INFORMATION										
WELL NAME:	Skull Creek West -1			CORE NO:	2		DATE:	11/3/97		
CORE INTERVAL:	1292-1310.3		m (Drlr)	FORMATION CORED:			Warre			
			m (Logr)	TYPE (CONV./SLEEVED)						
CORE RESULTS	CUT:	18.3	(m)	RECOVERED:	18.3	(m)	RECOVERY:100		(%)	

CORE ANALYSIS				DEPTH (m)	SPLE FOR ANAL	ROP mins/m	FLUOR Tr Pr Fr Gd	LITH	DESCRIPTION MP-Mounted Plug CP-Core Plug PS-Preserved Sample
TG (U)	Ø (%)	K (mD)	SO (%)	DESCRIBE ANY LITH SYMBOLS USED:					
				1292		85.71			
	19.9	3.31			1R	20.00			1292-1294.7 **Sandstone:** light brown grey, very fine to dominantly fine grained, angular to subrounded
1.80									dominantly subangular, moderate silica and weak
1.05				1293		21.98			calcareous cements, abundant altered feldspar grains,
1.05	17.4	3.36			2R	21.98			common fine black carbonaceous detritus, trace mica, moderately hard, poor visual porosity, cross bedded up
1.03	17.0	5.9		1294	3R	12.00			to 20 degrees, commonly convoluted with common dewatering structures,and occasional rip up mud clasts
	9.4	0.13			3V				at base, interbedded with
0.87						17.14			**Siltstone:** very dark grey, often very finely arenaceous,
1.19				1295		18.46			very carbonaceous, trace amber, common micromica, firm to hard,very finely laminated
1.81						19.23			1294.7-1297.45 **Carbonaceous Siltstone:** very dark grey to black, very argillaceous, common fine partially
0.75				1296		20.83			altered feldspar, coaly lenses, nodular and fracture fill pyrite, trace amber, trace micromica, moderately hard,
1.00						24.00			subfisslie, grading downwards to **Claystone:** very dark brown grey, moderately to very
1.00				1297		16.00			silty, moderately carbonaceous, trace micromica, fractured, firm (1295.5 Possible fault plane)
0.81						15.00			1297.45-1306.1 **Bioturbated and convoluted Silty Claystone:** very dark brown grey, moderately to very
0.85				1298		22.06			carbonaceous, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbed
0.91						26.91			Sandstone: light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous
1.03				1299		28.85			cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics,
1.75						13.99			moderately hard, very poor porosity,no oil fluorescence Low angle cross bedding not exceeding 20 degrees.
1.51				1300		20.00			1301 downwards, less bioturbated to occasionally heavily convoluted.
2.62						21.98			1301.5 Elongate sandstone boulder with silty claystone contorted around.
1.31				1301		26.67			
1.81						16.09			
1.91				1302		12.90			

CULTUS PETROLEUM NL

CORE REPORT FORM

PAGE _2_ OF _2_

WELL INFORMATION

WELL NAME:	Skull Creek West -1		CORE NO:	2	DATE:	11/3/97	
CORE INTERVAL:	1292 - 1310.3	m (Drlr)	FORMATION CORED:		Waarre		
		m (Logr)	TYPE (CONV./SLEEVED)				
CORE RESULTS	CUT: 18.3 (m)		RECOVERED : 18.3 (m)		RECOVERY: 100 (%)		

CORE ANALYSIS				DEPTH (m)	SPLE FOR ANAL	ROP mins/m	FLUOR Tr Pr Fr Gd	LITH	DESCRIPTION MP-Mounted Plug CP-Core Plug PS-Preserved Sample
TG (U)	Ø (%)	K (mD)	SO (%)	DESCRIBE ANY LITH SYMBOLS USED:					
				1302					
2.02						12.00			
2.82				1303		8.00			
2.82						16.44			
2.51				1304		8.00			
2.32						6.40			
1.81				1305		7.40			1306.1-1310.3 Sandstone: light grey brown, very fine
3.22						6.00			to fine, dominantly fine, angular to subrounded, well
8.06				1306		7.59			sorted, moderate silica cement, weak calcareous
	20.3	17.4			4R				cement, common white argillaceous matrix, common
						5.60			partially altered feldspar grains, common brown lithics,
				1307		10.00			common cross laminae of carbonaceous matter,
	18.3	3.85			5R				moderately hard, very poor visual porosity, no oil fluor
	19.2	2.55			5V	10.17			except at 1308.5 trace patchy dull yellow residual oil
				1308		8.00			fluorescence giving a very weak pale crush cut,
	23.8	46.3			6R				interbedded with Silty Claystone: dark grey brown,
						7.00			common carbonaceous detritus, trace pyrite, trace
	17.2	3.45		1309	7R	6.40			micromica, firm to moderately hard, slightly subfissile,
						5.60			wavey cross bedding, dominantly laminar.
	22.6	19.5			8R				1307.8 Carbonaceous laminae and disseminated pyrite
16.0	23.6	35.4		1310	9R	4.55			rare rip up mud clasts, dewatering and worm burrows.
	21.7	7.0			9V				1308.5 Abundant elongate mud clasts <2cm. Thin
									10mm light brown altered clay bands and
									carbonaceous laminae.
									1309 downwards, Wavey cross bedded sandstone,
									hummocky cross stratification, ripples, minor
									carbonaceous laminae, very minor convolution
									1310.21310.3 Rare to occasional mud clasts.

ATT: G. O'NEIL -

CORE DESCRIPTION

Date 20/2/97

Well Name SKULL CREEK WEST-1

CORE No 2

Location: Latitude

Longitude

Interval 1292 - 1306 Cut

Recovery 18.3 100 %

Elevation: G.L. K.B.

Formation WAARRE / EUMERALLA

Geologist R. JASON

Age CRETACEOUS

905298 125

	FLUOR (Good / Fair / Trace)	VIS Ø	LITH	DESCRIPTION	ROP MIN/M
1292.0		P.		**Chip Sample: 1292.0m** Sandstone: (100%) light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, trace mica flakes, moderately hard, poor visual porosity, no oil fluorescence, with minor medium brown silty to finely arenaceous lamina.	
		V.P.		**Chip Sample: 1292.5m** Sandstone: (90%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with minor laminae of:	20
1293.0				Siltstone: (10%) very dark grey, often very finely arenaceous, very carbonaceous, trace amber, common micromica, moderately hard, subfissile.	22
		V.P.		**Chip Sample: 1293.5m** Sandstone: (80%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with abundant laminae of:	22
1294.0				Carbonaceous Siltstone: (20%) very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile.	12
		V.P.		**Chip Sample: 1294.5m** Sandstone: (80%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with abundant laminae of:	17.1
1295.0				Carbonaceous Siltstone: (20%) very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile.	18.5
				Chip Sample: 1295.5m Claystone: (100%) very dark brown grey, moderately to very silty, moderately carbonaceous, trace micromica, slickensided, firm, slightly subfissile.	19.2
1296.0				**Chip Sample: 1296.5m** Silty Claystone: (100%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with minor microlenses of:	20.8
		V.P		Sandstone: (trace) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence.	24
1297.0				**Chip Sample: 1297.5m** Silty Claystone: (95%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded:	16
		V.P.		Sandstone: (5%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence.	15
1298.0				**Chip Sample: 1298.5m** Silty Claystone: (90%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded:	22.1
		V.P.		Sandstone: (10%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence.	26.9
1299.0				**Chip Sample: 1299.5m** Silty Claystone: (95%) very dark brown grey, moderately to very carbonaceous, common black coaly detritus, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded:	28.8
		V.P.		Sandstone: (5%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence, minor cross bedding.	14
1300.0				**Chip Sample: 1300.5m** Silty Claystone: (90%) very dark brown grey, moderately to very carbonaceous, common black coaly detritus, trace amber, trace micromica, firm to hard, subfissile, finely interbedded with lenticular	20
		V. P.		Sandstone: (10%) light grey to white, very fine, angular to subrounded, well sorted, moderate silica cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, very poor visual porosity, no oil fluorescence.	22
1301.0		V.P		**Chip Sample: 1300.9m** Silty Claystone: (100%) medium grey to medium dark grey, common carbonaceous laminae, trace fine clear to brown mica flakes, trace amber, firm to moderately hard, slightly subfissile, with minor lenticular laminae	26.6
				Sandstone: (trace) light grey to white, very fine, angular to subrounded, well sorted, moderate silica cement,	16.1

			Chip Sample: 1301.5m Silty Claystone: (100%) medium grey to medium dark grey, common carbonaceous detritus, trace fine clear to brown mica flakes, trace amber, firm to moderately hard, slightly subfissile.	12
1303.0			**Chip Sample: 1302.5m** Silty Claystone: (100%) medium grey to medium dark grey, common carbonaceous detritus, trace fine clear to brown mica flakes, trace amber, firm to moderately hard, slightly subfissile.	8
			Chip Sample: 1303.5m Claystone: (100%) dark grey brown, very silty, common carbonaceous detritus, rare pyrite, trace micromica, firm to moderately hard, slightly subfissile.	16.4
1304.0			**Chip Sample: 1304.5m** Claystone: (90%) dark grey brown, very silty, common carbonaceous detritus, rare pyrite, trace micromica, firm to moderately hard, slightly subfissile, finely interbedded with:	8
		V.P.	Sandstone: (10%) light grey to white, very fine, angular to subrounded, well sorted, moderate silica cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, very poor visual porosity, no oil fluorescence.	6.4
1305.0			**Chip Sample: 1305.5m** Claystone: (100%) very dark brown grey, moderately to very silty, common subvitreous coaly detritus, trace pyrite, trace micromica, firm, subfissile.	7.4
			Chip Sample: 1306.5m Sandstone: (60%) light grey to light brown grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, common altered feldspar grains, common brown lithics, rare green lithics, common cross laminae of carbonaceous matter, moderately hard, very poor visual porosity, no oil fluorescence, interbedded with:	6
1306.0			Claystone: (40%) dark grey to dark grey brown, moderately to very silty, common carbonaceous detritus, trace micromica, firm to moderately hard, slightly subfissile.	7.6
		V.P.	**Chip Sample: 1307.5m** Sandstone: (100%) light grey to light brown grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, common partially altered feldspar grains, common brown lithics, trace green lithics, hard, poor visual porosity, no oil fluorescence	5.6
1307.0			**Chip Sample: 1308.5m** Sandstone: (100%) light grey to light brown grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown lithics, trace green lithics, moderately hard, poor visual porosity, trace patchy dull yellow residual oil fluorescence giving a very weak pale yellow crush cut, with very thin discontinuous laminae of:	10
		P.	Claystone: (40%) dark grey to dark grey brown, moderately to very silty, common carbonaceous detritus, trace micromica, firm to moderately hard, slightly subfissile.	10.2
1308.0			**Chip Sample: 1309.5m** Sandstone: (100%) light grey to light brown grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown and green lithics, friable to moderately hard, poor visual porosity, no oil fluorescence.	8
		P.	**Chip Sample: 1310.3m** Sandstone: (100%) light greenish grey to light brownish grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown and green lithics, trace black coaly detritus, friable to moderately hard, poor visual porosity, no oil fluorescence.	7
1309.0				6.4
		P.		5.6
1310.0		P.		4.5

Top 3m sst

1292 - 1295 sst 3 sst
1295 - 1306 clyst 11 clyst
1306 - 1310 sst 4 st.

CULTUS PETROLEUM N.L.

SKULL CREEK WEST-1 CORE-2

CUT: 1292.0 - 1310.3 m (18.3m) REC: 1292.0 - 1310.3m (18.3m,100%)

Chip Sample: 1292.0m
Sandstone: (100%) light grey, very fine to occasionally fine grained, angular to subrounded, dominantly subangular, well sorted, moderate silica cement, trace weak calcareous cement, common white argillaceous and silt matrix, abundant altered feldspar grains, common fine black carbonaceous detritus, trace green lithics, trace mica flakes, moderately hard, poor visual porosity, no oil fluorescence, with minor medium brown silty to finely arenaceous lamina.

Chip Sample: 1292.5m
Sandstone: (90%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with minor laminae of:
Siltstone: (10%) very dark grey, often very finely arenaceous, very carbonaceous, trace amber, common micromica, moderately hard, subfissile.

Chip Sample: 1293.5m
Sandstone: (80%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with abundant laminae of:
Carbonaceous Siltstone: (20%) very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile.

Chip Sample: 1294.5m
Sandstone: (80%) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence with abundant laminae of:
Carbonaceous Siltstone: (20%) very dark grey to black, very argillaceous grading to claystone, common very fine partially altered feldspar grains, trace amber, trace micromica, moderately hard, subfissile.

Chip Sample: 1295.5m
Claystone: (100%) very dark brown grey, moderately to very silty, moderately carbonaceous, trace micromica, slickensided, firm, slightly subfissile.

Chip Sample: 1296.5m
Silty Claystone: (100%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with minor microlenses of:
Sandstone: (trace) light grey, very fine, angular to subrounded, well sorted, moderately silty, common white argillaceous matrix, abundant partially altered feldspar, trace brown lithics, common to abundant dispersed black carbonaceous matter, trace to very fine muscovite flakes, moderately hard, very poor visual porosity, no oil fluorescence.

Chip Sample: 1297.5m

Silty Claystone: (95%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded:
Sandstone: (5%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence.

Chip Sample: 1298.5m
Silty Claystone: (90%) very dark brown grey, moderately to very carbonaceous, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded:
Sandstone: (10%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence.

Chip Sample: 1299.5m
Silty Claystone: (95%) very dark brown grey, moderately to very carbonaceous, common black coaly detritus, trace amber, trace micromica, firm to hard, subfissile with wavy and lenticular finely interbedded:
Sandstone: (5%) light grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, moderately hard, very poor porosity, no oil fluorescence, minor cross bedding.

Chip Sample: 1300.5m
Silty Claystone: (90%) very dark brown grey, moderately to very carbonaceous, common black coaly detritus, trace amber, trace micromica, firm to hard, subfissile, finely interbedded with lenticular
Sandstone: (10%) light grey to white, very fine, angular to subrounded, well sorted, moderate silica cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, very poor visual porosity, no oil fluorescence.

Chip Sample: 1300.9m
Silty Claystone: (100%) medium grey to medium dark grey, common carbonaceous laminae, trace fine clear to brown mica flakes, trace amber, firm to moderately hard, slightly subfissile, with minor lenticular laminae of:
Sandstone: (trace) light grey to white, very fine, angular to subrounded, well sorted, moderate silica cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, very poor visual porosity, no oil fluorescence.

Chip Sample: 1301.5m
Silty Claystone: (100%) medium grey to medium dark grey, common carbonaceous detritus, trace fine clear to brown mica flakes, trace amber, firm to moderately hard, slightly subfissile.

Chip Sample: 1302.5m
Silty Claystone: (100%) medium grey to medium dark grey, common carbonaceous detritus, trace fine clear to brown mica flakes, trace amber, firm to moderately hard, slightly subfissile.

Chip Sample: 1303.5m
Claystone: (100%) dark grey brown, very silty, common carbonaceous detritus, rare pyrite, trace micromica, firm to moderately hard, slightly subfissile.

Chip Sample: 1304.5m
Claystone: (90%) dark grey brown, very silty, common carbonaceous detritus, rare pyrite, trace micromica, firm to moderately hard, slightly subfissile, finely interbedded with:
Sandstone: (10%) light grey to white, very fine, angular to subrounded, well sorted, moderate silica cement, common white argillaceous matrix, abundant partially altered feldspar grains, trace brown lithics, very poor visual porosity, no oil fluorescence.

Chip Sample: 1305.5m

Claystone: (100%) very dark brown grey, moderately to very silty, common subvitreous coaly detritus, trace pyrite, trace micromica, firm, subfissile.

Chip Sample: 1306.5m
Sandstone: (60%) light grey to light brown grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, common altered feldspar grains, common brown lithics, rare green lithics, common cross laminae of carbonaceous matter, moderately hard, very poor visual porosity, no oil fluorescence, interbedded with:
Claystone: (40%) dark grey to dark grey brown, moderately to very silty, common carbonaceous detritus, trace micromica, firm to moderately hard, slightly subfissile.

Chip Sample: 1307.5m
Sandstone: (100%) light grey to light brown grey, very fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, common white argillaceous matrix, common partially altered feldspar grains, common brown lithics, trace green lithics, hard, poor visual porosity, no oil fluorescence.

Chip Sample: 1308.5m
Sandstone: (100%) light grey to light brown grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown lithics, trace green lithics, moderately hard, poor visual porosity, **trace patchy dull yellow residual oil fluorescence giving a very weak pale yellow crush cut, with very thin** discontinuous laminae of:
Claystone: (40%) dark grey to dark grey brown, moderately to very silty, common carbonaceous detritus, trace micromica, firm to moderately hard, slightly subfissile.

Chip Sample: 1309.5m
Sandstone: (100%) light grey to light brown grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown and green lithics, friable to moderately hard, poor visual porosity, no oil fluorescence.

Chip Sample: 1310.3m
Sandstone: (100%) light greenish grey to light brownish grey, very fine to dominantly fine, angular to subrounded, well sorted, moderate silica cement, weak calcareous cement, trace white argillaceous matrix, abundant partially altered feldspar grains, common brown and green lithics, trace black coaly detritus, friable to moderately hard, poor visual porosity, no oil fluorescence.

CORE 3

CULTUS PETROLEUM NL

CORE REPORT FORM

PAGE _1_ OF _2_

WELL INFORMATION										
WELL NAME:	Skull Creek West -1				CORE NO:	3		DATE:	11/3/97	
CORE INTERVAL:	1748.0 - 1766.3			m (Drlr)	FORMATION CORED:			Eumeralla		
				m (Logr)	TYPE (CONV./SLEEVED)					
CORE RESULTS	CUT:	18.3	(m)	RECOVERED :	18.3	(m)	RECOVERY:	100	(%)	

CORE ANALYSIS				DEPTH (m)	SPLE FOR ANAL	ROP (mins/m) (m/hr)	FLUOR Tr Pr Fr Gd	LITH	DESCRIPTION MP-Mounted Plug CP-Core Plug PS-Preserved Sample
TG (U)	Ø (%)	K (mD)	SO (%)	DESCRIBE ANY LITH SYMBOLS USED:					
				1748					
4.00	20.5	2.78			10R				1748-1762.2 100% Sandstone: medium green grey,
	21.5	3.19			10V	26.09			fine to coarse, dominantly med,subangular,
									well sorted, weak to moderate silica cement, trace light green
				1749		46.15			white argillaceous matrix, abundant grey green cherty lithic
	23.2	372			11R				common altered feldspar grains, trace brown red lithics, trace
						28.57			coarse brown mica flakes, friable, fair intergranular porosity,
									no oil fluorscence, cross bedded up to 30 degrees interbedded
4.40				1750		12.00			with massive structureless beds < 1.0m thick. Beds are
	20.5	19.2			12R				graded, fining upwards with sharp erosional base contacts.
						13.95			Coarse grained sandstone at base of beds commonly occur
									with clay clasts <3cm length
2.00				1751		20.00			1749.6 Discontinuous carbonaceous bed. Probable tree
	23.2	685			13R				trunk/branch 6cm thick, black, silty subvitreous lustre.
	23.7	483			13V	18.18			1751.25 Coarser grained and graded mud clasts fining up.
									1751.7 Angular unconformity. Fine grained cross bedded
3.20				1752		12.00			sandstone with carbonaceous laminae below.
	22.1	66.8			14R				1752.3 Angular unconformity. Coarse grained more
						12.00			massive sandstone below contact.
1.80				1753		18.18			
	20.8	14.3			15R				1753.5 Minor cross bedding
						24.00			
1.80				1754		25.97			1754.15 Rare clay clasts greenish grey with cherty texture.
	22.4	89.8			16R				1754.4 ubvitreous carbonaceous and clay elongate clasts
	19.1	3.54			16V	24.00			graded fining upwards. Low angle cross bedded sandstone
									coarse at base.Cay clasts < 1.5cm in bands every 5cm.
3.20				1755		17.14			
	19.6	2.01			17R				1755.25 Angular UC on massive cross bedded sandstone w
						12.00			5-20cm foresets and cross beds < 40 degrees.
3.00				1756		10.00			1756.5 Minor carbonaceous rip up clasts
									Sandstone: as above, cross bedded with minor influxes of
	20.9	3.65			18R	17.14			carbonaceous detritus every 0.5m and rare mud clasts
2.70				1757		15.79			
	19.0	1.30			19R				
	19.1	0.13			19V	13.95			1757.8 Coarse to very coarse sandstone graded with clay
									clasts on top of an angular UC
2.00				1758		13.95			Very fine grained sandstone below

CULTUS PETROLEUM NL

CORE REPORT FORM

PAGE _2_ OF _2_

WELL INFORMATION										
WELL NAME:	Skull Creek West -1				CORE NO:	3		DATE:	11/3/97	
CORE INTERVAL:	1748.0 - 1766.3			m (Drlr)	FORMATION CORED:			Eumeralla		
				m (Logr)	TYPE (CONV./SLEEVED)					
CORE RESULTS	CUT:	18.3	(m)	RECOVERED :	18.3	(m)	RECOVERY:	100	(%)	

CORE ANALYSIS				DEPTH (m)	SPLE FOR ANAL	ROP mins/m	FLUOR Tr Pr Fr Gd	LITH	DESCRIPTION MP-Mounted Plug CP-Core Plug PS-Preserved Sample
TG (U)	Ø (%)	K (mD)	SO (%)	DESCRIBE ANY LITH SYMBOLS USED:					
				1758					
	20.9	50.8			20R				1758.1 Fine to medium grained sandstone as above grades to coarse grained cross bedded with clay clasts at base
				1759					1758.55 Angular UC with coarse grained sandstone below. Sandstone is medium to coarse to 1759.95 then dominantly fine to medium cross bedded to 1760.6
	19.8	18.0			21R				1760.6-1760.75 Very finely interbedded fine grained sandstone and carbonaceous detritus
				1760					Medium grained sandstone to 1761, Medium to coarse sand to 1761, conglomeratic at 1761.45. Fair to good inferred porosity.
	19.4 19.3	0.31 0.16			22R 22V				
				1761					
	19.8	5.4			23R				
				1762					1762.2 Angular contact 1762.2 Minor carbonaceous laminae on very angular contactLarge mud clasts < 3cm and smaller carbonaceous <1.5cm clasts.
	23.5	865			24R				
				1763					1762.5 Claystone lense. 1762.5-1766.3 Sandstone: very fine to dominantly fine grained, occasionally coarse, silty, subangular, well sorted, moderate silica cement, common white argillaceous and silt matrix, abundant off white to light brown altered feldspar grains, trace fine mica flakes, friable to moderately hard, very poor intergranular porosity no oil flouorescence. Graded and cross bedded.
	16.1 14.5	0.32 0.34			25V 25R				
				1764					
				1765					1762.8 Angular UC with dewatering of siltstone into overlying sandstone. Minor carbonaceous detritus 1763.35 Silty Sandstone on angular UC, very fine grained, hummocky cross stratification <10mm
	17.9 19.9	0.03 0.12		1766	26V 26R				1764-1766.3Sandstone as above interbedded with Siltstone: medium to dark grey, very finely arenaceous, moderately siliceous, slightly argillaceous, common extremely fine off white to light brown altered feldspar, trace fine mica flakes, friable to moderately hard, no visual porosity, convoluted bedding, dewatering structures, some rare minor clay clasts. Siltstone grades to silty sandstone with sharp unconformable bases.
									1765.1-1765.3 Coarse cross bedded sandstone 1765.3-1766.3 Finely laminated cross bedded siltstone and sandstone, convoluted crossbedding at mm scale.

CULTUS PETROLEUM N.L.

SKULL CREEK WEST-1 **CORE-3**

CUT: 1748.0 - 1766.3 m **REC: 1748.0 - 1766.3m (100%)**

Chip Sample: 1748.0m.
Sandstone: (100%) medium green grey, fine to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, trace coarse brown mica flakes, friable, fair intergranular porosity, no oil fluorescence.

Chip Sample: 1748.5m.
Sandstone: (100%) medium green grey, fine to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, common coarse brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.

Chip Sample: 1749.5m.
Sandstone: (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.

Chip Sample: 1750.5m.
Sandstone: (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, fair intergranular porosity, no oil fluorescence.

Chip Sample: 1751.5m.
Sandstone: (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, common light olive grey clay clasts up to 2cm diameter, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.

Chip Sample: 1752.5m.
Sandstone: (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, fair intergranular porosity, no oil fluorescence.

Chip Sample: 1753.5m.
Sandstone: (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.

Chip Sample: 1754.5m.
Sandstone: (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix,

abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.

Chip Sample: 1755.5m.
Sandstone: (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.

Chip Sample: 1756.5m.
Sandstone: (100%) medium green grey, medium grained, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, common black carbonaceous to coaly laminae, friable, poor visual intergranular porosity, no oil fluorescence.

Chip Sample: 1757.5m.
Sandstone: (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor to fair visual intergranular porosity, no oil fluorescence.

Chip Sample: 1758.5m.
Sandstone: (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor to fair visual intergranular porosity, no oil fluorescence.

Chip Sample: 1759.5m.
Sandstone: (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor to fair visual intergranular porosity, no oil fluorescence.

Chip Sample: 1760.5m.
Sandstone: (100%) medium green grey, fine to medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor visual intergranular porosity, no oil fluorescence.

Chip Sample: 1761.5m.
Sandstone: (100%) medium green grey, medium to , dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor visual intergranular porosity, no oil fluorescence.

Chip Sample: 1762.5m.
Claystone: (100%) dark olive grey, non silty, with irregular patches light olive grey and very silty, occasional cherty texture, trace black coaly detritus, trace micromica, moderately hard, non fissile.

Chip Sample: 1763.5m.
Sandstone: (100%) light to medium olive grey, very fine, subangular, well sorted, moderate silica cement, common white argillaceous and silt matrix, abundant off white to light brown altered feldspar grains, common grey green lithics, trace fine mica flakes, friable to moderately hard, no visual porosity.

Chip Sample: 1764.5m.
Silty Sandstone: (100%) light to medium olive grey, very fine to silt sized grains, subangular, well sorted, moderate silica cement, common white argillaceous and silt matrix, abundant off white to light brown altered feldspar grains, common grey green lithics, trace fine mica flakes, friable to moderately hard, no visual porosity.

Chip Sample: 1765.5m.
Siltstone: (100%) medium to dark grey, very finely arenaceous, moderately siliceous, slightly argillaceous, common extremely fine off white to light brown altered feldspar grains, trace fine mica flakes, friable to moderately hard, no visual porosity.

Chip Sample: 1766.3m.
Sandstone: (100%) medium green grey, fine, subangular, well sorted, moderate silica cement, trace yellow white argillaceous matrix, abundant altered feldspar and grey green lithic grains, common yellow red lithics, common coarse brown mica flakes, trace fine black carbonaceous detritus, moderately hard, very poor intergranular porosity, no oil fluorescence.

NOTE: All the sand grains within the core chip samples examined had a coating of what appeared to be a diffuse growth of very light greenish white clay coating them. This coating appeared more pronounced on the margins of the intergranular pore spaces. This material could possibly interfere with effective porosity/permeability and is worthy of further investigation.

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CULTUS PETROLEUM N.L.

SKULL CREEK WEST-1 CORE-3

CUT: 1748.0-1766.3m Rec: 1748.0-1766.3m (100%)

Depth	ROP	Flor	Por	Lith	DESCRIPTION
1748.0			F		**Chip Sample: 1748.0m.** **Sandstone:** (100 %) medium green grey, fine to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, trace coarse brown mica flakes, friable, fair intergranular porosity, no oil fluorescence.
1749.0			P-F		**Chip Sample: 1748.5m.** **Sandstone:** (100%) medium green grey, fine to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, common coarse brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.
1750.0			P-F		**Chip Sample: 1749.5m.** **Sandstone:** (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.
1751.0			F		**Chip Sample: 1750.5m.** **Sandstone:** (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, fair intergranular porosity, no oil fluorescence.
1752.0			P-F		**Chip Sample: 1751.5m.** **Sandstone:** (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, common light olive grey clay clasts up to 2cm diameter, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.
1753.0			F		**Chip Sample: 1752.5m.** **Sandstone:** (100%) medium green grey, medium to coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, fair intergranular porosity, no oil fluorescence.
1754.0			P-F		**Chip Sample: 1753.5m.** **Sandstone:** (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.
1755.0			P-F		**Chip Sample: 1754.5m.** **Sandstone:** (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.
1756.0			P		**Chip Sample: 1755.5m.** **Sandstone:** (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, weak to moderate silica cement, trace light green white argillaceous matrix, abundant grey green cherty lithics, common altered feldspar grains, trace brown red lithics, rare brown mica flakes, friable, poor to fair intergranular porosity, no oil fluorescence.
1757.0			P-F		**Chip Sample: 1756.5m.** **Sandstone:** (100%) medium green grey, medium grained, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, common black carbonaceous to coaly laminae, friable, poor visual intergranular porosity, no oil fluorescence.
1758.0					**Chip Sample: 1757.5m.** **Sandstone:** (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor to fair visual intergranular porosity, no oil fluorescence. **Chip Sample: 1758.5m.** **Sandstone:** (100%) medium green grey, medium to occasionally coarse, dominantly

			P-F		medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor to fair visual intergranular porosity, no oil fluorescence.
					Chip Sample: 1759.5m.
1759.0					**Sandstone:** (100%) medium green grey, medium to occasionally coarse, dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor to fair visual intergranular porosity, no oil fluorescence.
			P-F		**Chip Sample: 1760.5m.**
1760.0					**Sandstone:** (100%) medium green grey, fine to medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor visual intergranular porosity, no oil fluorescence.
			P		**Chip Sample: 1761.5m.**
1761.0					**Sandstone:** (100%) medium green grey, medium to , dominantly medium, subangular, well sorted, moderate silica cement, common off white to light green grey argillaceous matrix, abundant grey green lithics, common red brown lithics, common partially altered feldspar grains, rare brown mica flakes, friable, poor visual intergranular porosity, no oil fluorescence.
			P		**Chip Sample: 1762.5m.**
1762.0					**Claystone:** (100%) dark olive grey, non silty, with irregular patches light olive grey and very silty, occasional cherty texture, trace black coaly detritus, trace micromica, moderately hard, non fissile.
					Chip Sample: 1763.5m.
					Sandstone: (100%) light to medium olive grey, very fine, subangular, well sorted, moderate silica cement, common white argillaceous and silt matrix, abundant off white to light brown altered feldspar grains, common grey green lithics, trace fine mica flakes, friable to moderately hard, no visual porosity.
1763.0					**Chip Sample: 1764.5m.**
			NIL		**Silty Sandstone:** (100%) light to medium olive grey, very fine to silt sized grains, subangular, well sorted, moderate silica cement, common white argillaceous and silt matrix, abundant off white to light brown altered feldspar grains, common grey green lithics, trace fine mica flakes, friable to moderately hard, no visual porosity.
1764.0					**Chip Sample: 1765.5m.**
					Siltstone: (100%) medium to dark grey, very finely arenaceous, moderately siliceous, slightly argillaceous, common extremely fine off white to light brown altered feldspar grains, trace fine mica flakes, friable to moderately hard, no visual porosity.
			NIL		**Chip Sample: 1766.3m.**
1765.0					**Sandstone:** (100%) medium green grey, fine, subangular, well sorted, moderate silica cement, trace yellow white argillaceous matrix, abundant altered feldspar and grey green lithic grains, common yellow red lithics, common coarse brown mica flakes, trace fine black carbonaceous detritus, moderately hard, very poor intergranular porosity, no oil fluorescence.
			NIL		
					NOTE: All the sand grains within the core chip samples examined had a coating of what appeared to be a diffuse growth of very light greenish white clay coating them. This coating appeared more pronounced on the margins of the intergranular pore spaces. This material could possibly interfere with effective porosity/permeability and is worthy of further investigation.
1766.0					
			V.P.		

SECTION 5(b):

PRELIMINARY CORE ANALYSIS

905298 139

ACS Laboratories Pty Ltd

ACN: 008 273 005

Street Address: 30 Boothby Street, KEDRON QLD 4031, AUSTRALIA
Postal Address: PO Box 396, CHERMSIDE QLD 4032, AUSTRALIA
☎: 61 7 3350 1222 Fax: 61 7 3359 0666 E-mail: acs.bris@acslabs.com.au

Date:	1 March, 1997		
To:	Andy Ion	**Company:**	Cultus Petroleum
Fax:	02 9418 1504	**Copy to:**	
Subject:	Skull Creek West-1 Core Gamma		
Our Ref:	:pt	**Your Ref:**	
Sender:	W.J. Derksema	**Total Pages:**	3

Andy,

Following are two pages, one containing core gamma of Cores 1 and 2 and the other containing core gamma of Core 3. Also included is a brief lithological core description.

Please do not hesitate to call me on 07 3350 1222 if you have any queries.

Regards,

W.J. DERKSEMA
Senior Laboratory Supervisor

905298 140

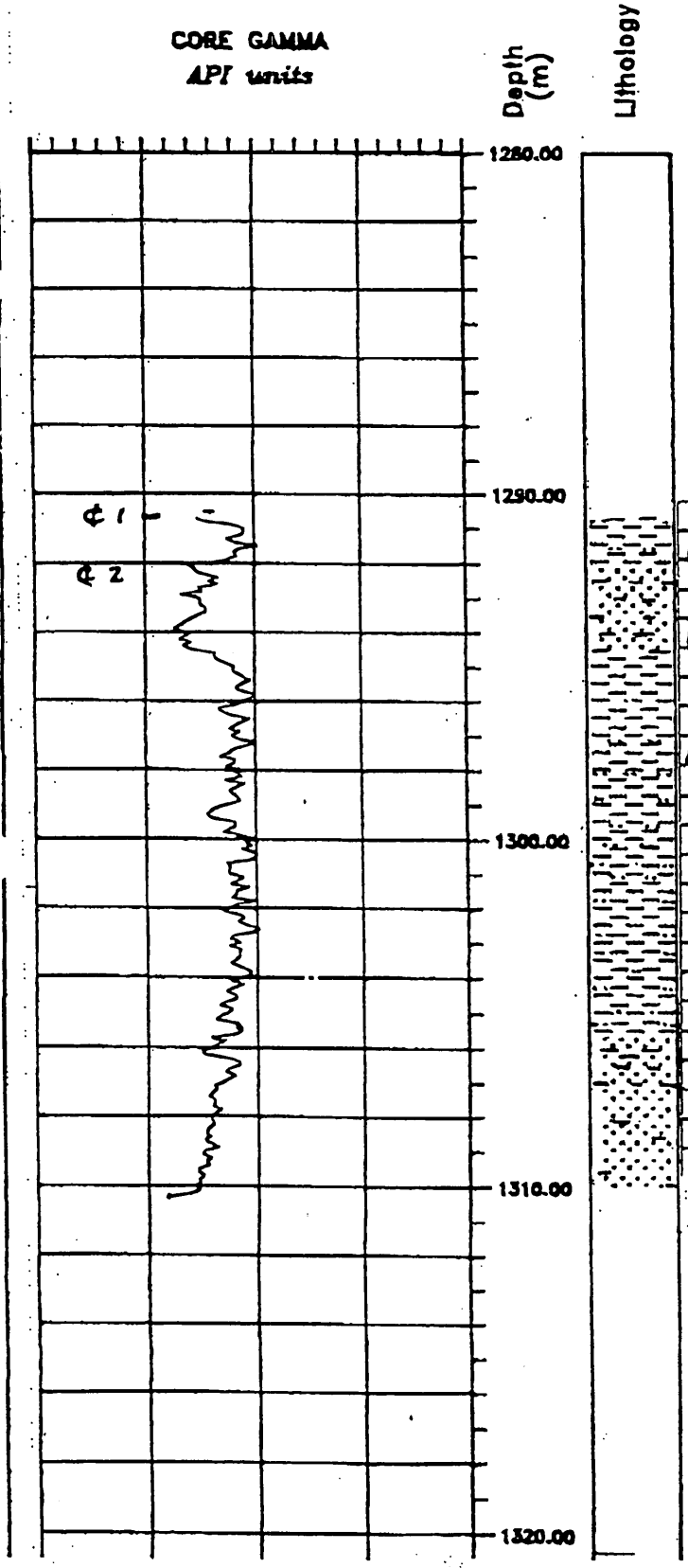
ACS LABORATORIES PTY. LTD.
ACN 008 273 005

CORE PLOT

Scale 1 : 200

Company: CULTUS PETROLEUM NL
Well: SKULL CREEK WEST No.1
Field: SKULL CREEK
Location: PPL-1,OTWAY

File No.: 2-250
Core Int: CORE No.1 1290.70--1292.00
Core Int: CORE No.2 1292.00--1310.30m
Core Int:



ACS LABORATORIES AUSTRALIA

1290.70 - 1292.10 PREDOMINANTLY SHALE WITH INTERBEDDED SILTSTONE AND SANDSTONE

1292.10 - 1294.15 PREDOMINANTLY SANDSTONE INTERBEDDED WITH SHALE AND CARBONACEOUS MATERIAL

1294.15 - 1305.70 PREDOMINANTLY SHALE WITH INTERBEDDED SILTSTONE AND SANDSTONE

1305.70 - 1310.30 PREDOMINANTLY SANDSTONE ; WITH INTERBEDDED SHALE DECREASING TOWARDS BASE

905298 141

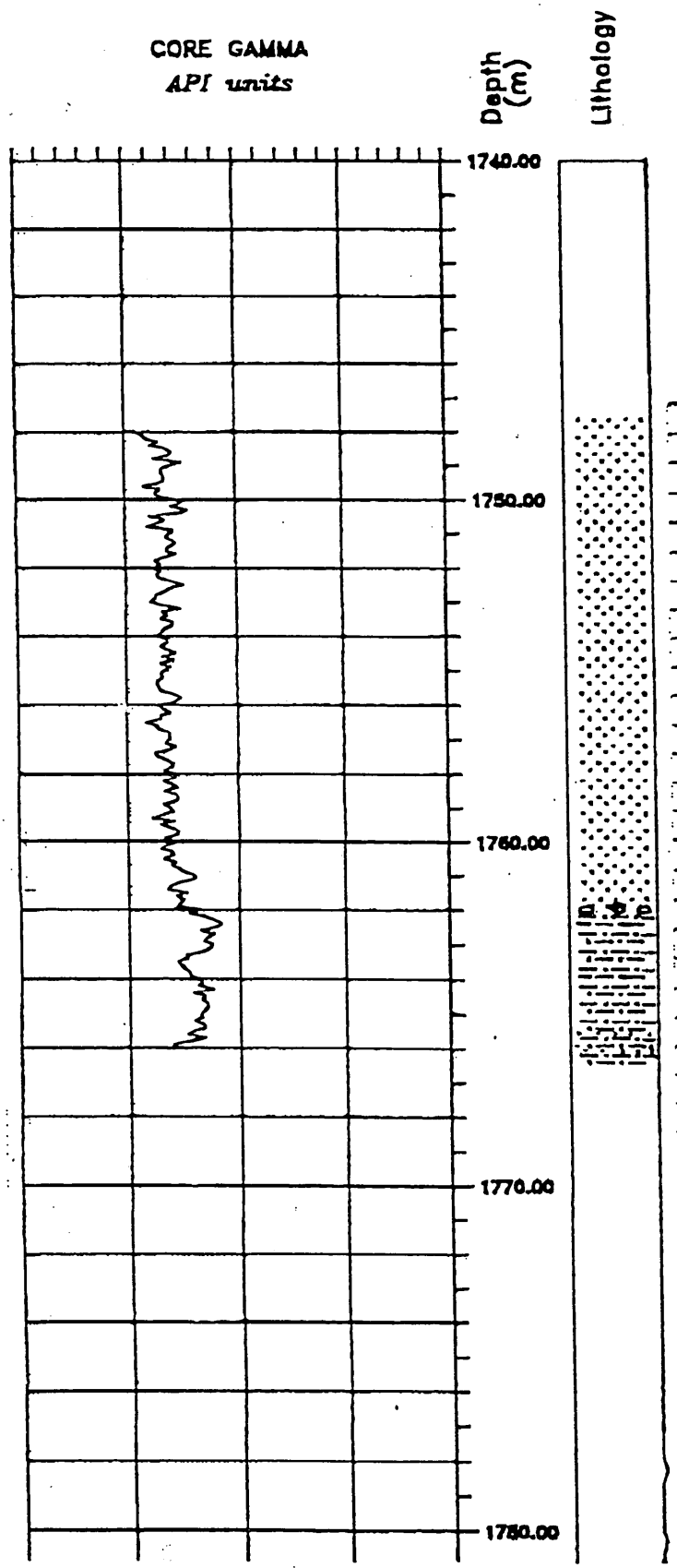
ACS LABORATORIES PTY. LTD.
ACN 008 273 005

CORE PLOT

Scale 1 : 200

Company: CULTUS PETROLEUM NL
Well: SKULL CREEK WEST No.1
Field: SKULL CREEK
Location: PPL-1,OTWAY

File No.: 2-250
Core Int:
Core Int:
Core Int: CORE No.3 1748.00--1766.30m



ACS LABORATORIES AUSTRALIA

1748.00 - 1757.80 SANDSTONE : MED-DARK GRAY, MED. GRAINED ANGULAR TO SUB ANGULAR MOD-WELL SORTED

1757.80 - 1758.10 SANDSTONE A/A FINE GRAINED

1758.10 - 1758.55 SS: MED GRAINED

1758.55 - 1760.80 SS: FINE TO MED

1760.80 - 1761.00 SS: FINE GRAINED

1761.00 - 1762.10 SS: MED-GRAINED

1762.10 - 1762.20 CONGLOMERATE

1762.20 - 1762.60 CLAYSTONE

1762.60 - 1763.80 SILTS: V/FN SS

1763.80 - 1764.60 CLAYSTONE

1764.60 - 1765.60 SILTS - CLAYSTONE

1765.60 - 1766.06 SANDSTONE FINE TO MED GRAIN

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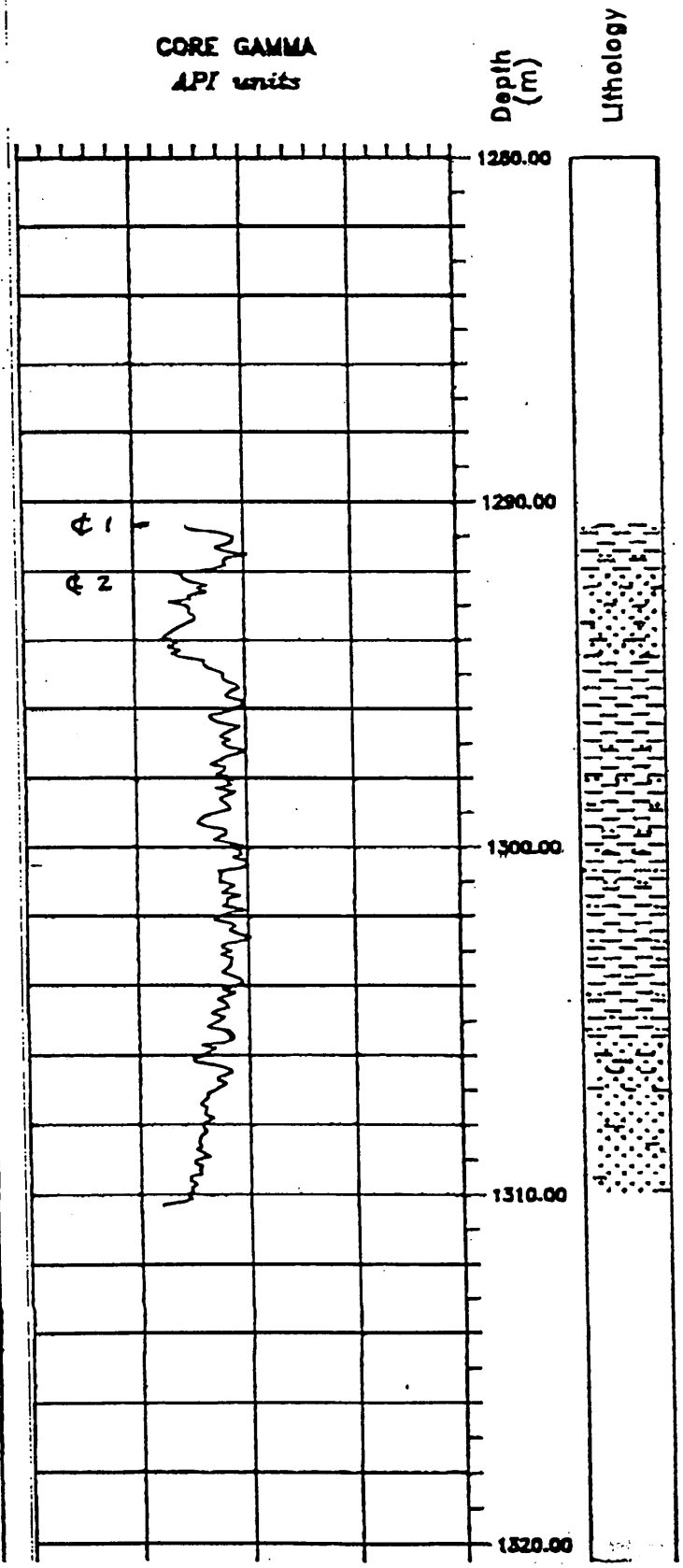
CORE PLOT

Scale 1 : 200

Company: CULTUS PETROLEUM NL
Well: SKULL CREEK WEST No.1
Field: SKULL CREEK
Location: PPL-1,OTWAY

File No.: 2-250
Core Int: CORE No.1 1290.70--1292.00
Core Int: CORE No.2 1292.00--1310.30m
Core Int:



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905298 143

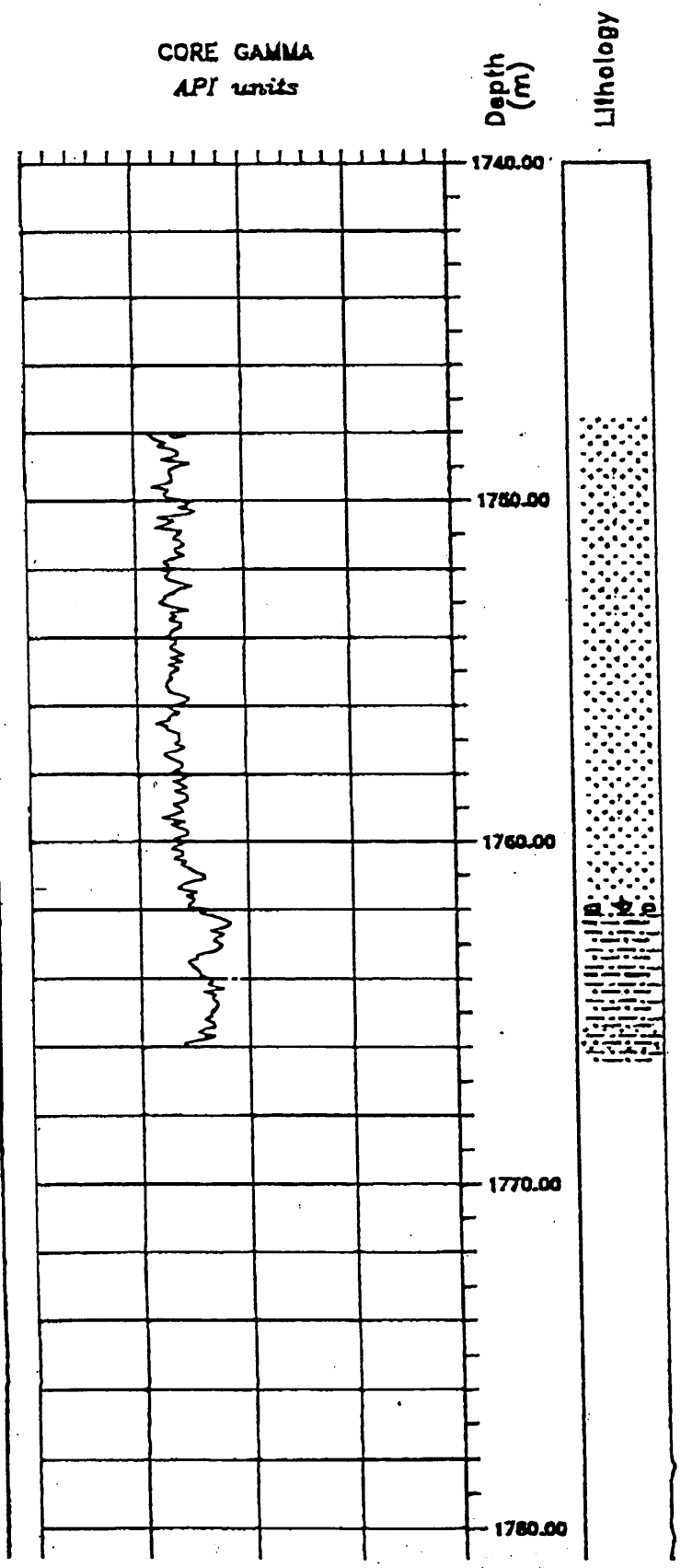
ACS LABORATORIES PTY. LTD.
ACN 008 273 005

CORE PLOT

Scale 1 : 200

Company: CULTUS PETROLEUM NL
Well: SKULL CREEK WEST No.1
Field: SKULL CREEK
Location: PPL-1,OTWAY

File No.: 2-250
Core Int:
Core Int:
Core Int: CORE No.3 1748.00--1766.30m



ACS LABORATORIES AUSTRALIA

X/c → GEO
→ MS
→ RJ
→ TJ
orig → CM

905208 144

ACS LABORATORIES PTY. LTD.

ACN: 008 273 005

Petroleum Reservoir Engineering Data

CORE ANALYSIS PRELIMINARY REPORT

Company : CULTUS PETROLEUM NL
Well : SKULL CREEK WEST No.1
Field : SKULL CREEK
Core Int. : CORE No.1 1290.70--1292.00m
Core Int. : CORE No.2 1292.00--1310.30m
Core Int. : CORE No.3 1748.00--1766.30m

Date : 27/02/97
File : 2-250
Location : PPL-1,OTWAY
ACS Lab. : 02
Analyst : WJD,IS

Sample Number	Depth	Dir	Porosity % HeInj	Porosity % Roll Ø	Density ND	Density GD	Permeability (md) Ka	Permeability (md) Roll Ka	Summation of Fluids Ø	Summation of Fluids Oil%	Summation of Fluids H2O%	Remarks
1	1292.15	R	19.9			2.86	3.31					
2	1293.33	R	17.4			2.68	3.36					intrusion
3	1294.00	R	17.0			2.68	5.9					
4	1306.08	R	20.3		2.30	2.69	17.4			0.0	77.7	
5	1307.31	R	18.3		2.34	2.68	3.85			0.0	93.9	
6	1308.10	R	23.8		2.18	2.66	46.3			0.0	69.4	
7	1308.99	R	17.2		2.33	2.66	3.45			0.0	81.0	
8	1309.61	R	22.6		2.24	2.67	19.5			0.0	81.9	
9	1310.14	R	23.6		2.19	2.66	35.4			0.0	67.0	
10	1748.43	R	20.5			2.65	2.78					
11	1749.43	R	23.2			2.67	372					
12	1750.44	R	20.5			2.66	19.2					
13	1751.38	R	23.2			2.67	685					
14	1752.42	R	22.1			2.67	66.8					
15	1753.44	R	20.8			2.66	14.3					
16	1754.36	R	22.4			2.65	89.8					
17	1755.41	R	19.6			2.67	2.01					
18	1756.40	R	20.9			2.66	3.65					
19	1757.41	R	19.0			2.66	1.30					
20	1758.41	R	20.9			2.67	50.8					
21	1759.39	R	19.8			2.67	18.0					
22	1760.42	R	19.4			2.67	0.31					
23	1761.29	R	19.8			2.67	5.4					
24	1762.05	R	23.5			2.66	865					
25	1763.47	R	14.5			2.62	0.34					
26	1765.88	R	19.9			2.67	0.12					

VF = Vertical Fracture; HF = Horizontal Fracture; MP = Mounted Plug; SP= Short Plug
C# = Top of Core; B# = Bottom of Core; OWC = Probable Oil/Water Contact
Tr = Probable Transition Zone; GC = Probable Gas Cap; NS = Not suitable for SCAL

① ② ③ *

* no fractures evident

* all plugs consolidated

SCAL plugs

- cap. pressure work → 7, 9, 14, 18, 23, 25 (inc. Ø/k tests)
- mech/elec. props → 3, 6, 15, 21, 26

→ cap. pressure work contingent on results of petrology (thin-section / SEM) on offcuts - before/after extraction.

905298 145

ACS Laboratories Pty Ltd

ACN: 008 273 005

ACS LABORATORIES PTY. LTD.

Street Address: 30 Boothby Street, KEDRON QLD 4031, AUSTRALIA
Postal Address: PO Box 396, CHERMSIDE QLD 4032, AUSTRALIA
☎: 61 7 3350 3999 **Fax:** 61 7 3359 0222 **E-mail:** acs.bris@acslabs.com.au

Date:	5th March 1997		
To:	Andy Ion	***Company:***	Cultus Petroleum
Fax:	02 9418-1504	***Copy to:***	
Subject:	Skull Creek West-1		
Our Ref:	0250-02	***File in:***	
Sender:	W. J. Derksema	***Total Pages:***	2 + 1

Andy,

Please find following vertical porosity and permeability results for Skull Creek West #1.

Did run QC on regular plugs and have found data correct.

Please do not hesitate to call me on 07 3350-1222 if you have any queries.

Regards,

Bill

W. J. Derksema
Senior Laboratory Supervisor

ACS LABORATORIES PTY. LTD.

905298 146

ACN: 008 273 005

• Petroleum Reservoir Engineering Data

CORE ANALYSIS PRELIMINARY REPORT

Company : CULTUS PETROLEUM NL
Well : SKULL CREEK WEST No.1
Field : SKULL CREEK
Core Int. : CORE No.1 1290.70--1292.00m
Core Int. : CORE No.2 1292.00--1310.30m
Core Int. : CORE No.3 1748.00--1766.30m

Date : 05/03/97
File : 2-250
Location : PPL-1,OTWAY
ACS Lab. : 02
Analyst : WJD,IS

Sample Number	Depth	Dir	Porosity % Helnj	Roll Ø	Density ND	GD	Permeability (md) Ka	Roll Ka	Summation of Fluids Ø	Oil%	H20%	Remarks
1	1292.15	R	19.9			2.86	3.31					C#2
2	1293.33	R	17.4			2.68	3.36					
3	1294.00	R	17.0			2.68	5.9					
3	1294.17	V	9.4			2.70	0.13					
4	1306.08	R	20.3		2.30	2.69	17.4			0.0	77.7	
5	1307.31	R	18.3		2.34	2.68	3.85			0.0	93.9	
5	1307.37	V	19.2			2.64	2.55					
6	1308.10	R	23.8		2.18	2.66	46.3			0.0	69.4	
7	1308.99	R	17.2		2.33	2.66	3.45			0.0	81.0	
8	1309.61	R	22.6		2.24	2.67	19.5			0.0	81.9	
9	1310.14	R	23.6		2.19	2.66	35.4			0.0	67.0	
9	1310.00	V	21.7			2.67	7.0					
10	1748.43	R	20.5			2.65	2.78					C#3
10	1748.48	V	21.5			2.65	3.19					
11	1749.43	R	23.2			2.67	372					
12	1750.44	R	20.5			2.66	19.2					
13	1751.38	R	23.2			2.67	685					
13	1751.46	V	23.7			2.66	483					
14	1752.42	R	22.1			2.67	66.8					
15	1753.44	R	20.8			2.66	14.3					
16	1754.36	R	22.4			2.65	89.8					
16	1754.47	V	19.1			2.66	3.54					
17	1755.41	R	19.6			2.67	2.01					
18	1756.40	R	20.9			2.66	3.65					
19	1757.41	R	19.0			2.66	1.30					
19	1757.47	V	19.1			2.66	0.13					
20	1758.41	R	20.9			2.67	50.8					
21	1759.39	R	19.8			2.67	18.0					
22	1760.42	R	19.4			2.67	0.31					
22	1760.47	V	19.3			2.67	0.16					
23	1761.29	R	19.8			2.67	5.4					
24	1762.05	R	23.5			2.66	865					
25	1763.47	R	14.5			2.62	0.34					
25	1763.40	V	16.1			2.62	0.32					
26	1765.88	R	19.9			2.67	0.12					
26	1765.82	V	17.9			2.65	0.03					

VF = Vertical Fracture; HF = Horizontal Fracture; MP = Mounted Plug; SP= Short Plug
C# = Top of Core; B# = Bottom of Core; OWC = Probable Oil/Water Contact
Tr = Probable Transition Zone; GC = Probable Gas Cap; NS = Not suitable for SCAL

SECTION 6:

WIRELINE LOGGING REPORTS

SECTION 6(a):

FIELD ELECTRIC LOG REPORT

905298 150

CULTUS PETROLEUM N.L.
ELECTIC LOGGING REPORT SHEET

SKULL CREEK WEST #1

Well Name: SCW #1 Permit: Observer: D.H, R.H. Date: 24 FEB 97 TO 2 MAR 97.

TIME	OPERATION
13:15 24/2	SAFETY MEETING
13:20	RIG UP RUN #1 DLS, MLS, CSS.
18:20	RIG DOWN RUN #1
18:20	RIG UP RUN #2 SGS, CNS, PDS
22:30	RIG DOWN RUN #2.
22:30	RIG UP RUN #3 CROCKER FET.
05:00 25/2	RIG DOWN RUN #3
06:10	RIG UP RUN #4 PSD.
09:15	RIG DOWN RUN #4.
10:20	RIG UP RUN #5 RFT.
18:30	[redacted] OUT HOLE RUN #5
	WAITING ON RIG.
22:30	RIG DOWN RUN #5
12:45 26/2	RIG UP RUN #6 LSS/WAVEFORM.
19:15	RIG DOWN RUN #6
19:15	RIG UP V.D. CHECK SHOT. RUN #7
23:45	RIG DOWN RUN #7
06:50 27/2	RIG UP PR/CCL RUN #8
[redacted] 19:30	RIG DOWN RUN #8
08:20 28/2	RIG UP RUN #9 PR/CCL.
09:35	RIG DOWN RUN #9.
12:10	RIG UP RUN #9
14:30	RIG DOWN RUN #9
07:30 2/3	WELL TO BE P.A. - END LOGGING

SECTION 6(b):

PRELIMINARY LOG ANALYSIS

Company : CULTUS PETROLEUM N.L.

Well Name : SKULL CREEK WEST # 1
Field : WILDCAT
Field Location : OTWAY BASIN
Permanent Datum : MSL

Software by Crocker Data Processing Pty Ltd
Program revision no. 5.14 1 Jan 1997
Software Licensed to CULTUS PETROLEUM N.L.

Hole depth M	Temperature C	Gradient Deg C / 100 M
1998.0	67.00	2.1021
.0	25.00	

Log data

Column Position	Logs Available	Logs Used
1	DEPT	DEPT
2	TSS1	
3	TEXL	
4	GRLL	GR
5	SPLL	SP
6	SLL	LLS
7	DLL	LLD
8	CADF	
9	MNRL	
10	MINV	
11	MLL	MLL
12	DTCM	DT
13	BIT	
14	HVOL	
15	AVOL	
16	PEDF	
17	NPRL	
18	DEN	RHOB
19	DCOR	DRHO
20	CAPD	CALI
21	GRPD	
22	BHTF	
23	BIT	
24	HVOL	
25	AVOL	
26	NPHI	NPHI

SKULL CREEK WEST # 1 Interpretation Results
CULTUS PETROLEUM N.L. 27-02-97

Caliper recorded in : Inches
Mud weight units : Lbs/gal
Density log units : g/cc
DRHO log units : g/cc
Sonic log units : Us/ft
Neutron log units : LS POR
Density tool type : FDC
RHO (H,MA,f) units : g/cc
Dens. X-plots units : g/cc

SKULL CREEK WEST # 1 Complex Lithology Results
CULTUS PETROLEUM N.L. 27-02-97

COMPLEX LITHOLOGY RESULTS

Mineral table

Zone no. 1 2

Formation Name	WAARRE	EUMERALLA
Top depth	1275.000	1301.100
Bottom depth	1301.000	1998.900
USER Log type		
Coal RHOB min	-INF	-INF
Coal RHOB max	2.000	2.000
Coal PHIN min	.500	.500
Coal PHIN max	+INF	+INF
Coal GR min	-INF	-INF
Coal GR max	+INF	+INF
Coal t min	100.000	100.000
Coal t max	+INF	+INF
Coal RT min	20.000	20.000
Coal RT max	+INF	+INF
Coal USER min	-INF	-INF
Coal USER max	+INF	+INF

Permeability equation used

a) SWirrcutoff <1.0

Koil = Kcoef * PHIE ** Kexp / SW**2 Kcoef Kexp

Computed if SW<=SWirrcutoff Coates 62500 6.0

Timur 8581 4.4

b) SWirrcutoff >=1

Koil = Kcoef * 10**(PHIE * Kexp)

Lithology models

1.	Sand-Dolomite	2.62 to	2.89
2.	Sand-Limestone	2.62 to	2.75
3.	Sand	2.63 to	2.69
4.	Limestone	2.67 to	2.75
5.	Dolomite	2.75 to	2.89
6.	Limestone-Dolomite	2.68 to	2.89

CPX flag values

1. VCL greater than 0.95
2. VN greater than 0.75
3. VS greater than 0.75
4. Bad hole condition
5. Matrix density greater than Lithological model
6. Matrix density less than Lithological model
7. Porosity derived from Sonic Log
8. Porosity derived from or limited by PHIMAX
9. Porosity derived from Density Log
$. Pay zone

Water saturation equations

1. Indonesia
2. Simandoux
3. Fertl & Hammock
4. Laminar
5. Bussian
6. User defined
7. Single Sonic

VGRTYPE : Vclay from GR Equations used

0. Not Used
   IGR=(GR-GRmin)/(GRmax-GRmin)
1. Linear VGR=IGR
2. Asymmetric (S shaped)
   Defined by 2 sets of intermediate points
   through which the S bend passes through.
   GR1, VGR1 and GR2, VGR2.
   Steiber equation: VGR= IGR/(A + (A-1.0)*IGR)
3. Steiber 1 A = 2.0
4. Steiber 2 A = 3.0
5. Steiber 3 A = 4.0
6. Steiber 50%
   A is computed to give VGR= 0.5 when GR = GR50%)
7. Larinov Old Rocks: VGR= (2**(2*IGR)-1.0)/3.0
8. Larinov Tertiary : VGR= 0.083*(2.0*(3.7058*IGR)-1.0)
9. Clavier : VGR= 1.7-SQRT(3.38-(IGR+0.7)**2.0)

Cementation factor m

1. Linear m = m
2. Shell formula m = 1.87 + 0.019/PHI
3. Borai formula m = 2.2 -0.035/(PHI+0.042)

SKULL CREEK WEST # 1 Complex Lithology Results
CULTUS PETROLEUM N.L. 27-02-97

Logging Company	Neutron Mud type	RT Determination log type	Flags by priority
0. Schlumberger	0. NaCl	0. CNL CORR	1. Dual Laterolog - RXO
1. HLS	1. KCl %	1. TNPH	20. PHASOR-SFL
2. Dresser	2. Oil-base	2. SNP	21. PHASOR-RXO
3. BPB	3. Barite	3. N	2. Dual Induction - LL8
4. Sperry MWD		4. HLS DSN2	3. ILD-SFL-RXO
5. Baker MWD		5. CNL PRE 86	10. DIL-SFL
6. Anadril MWD		6. APLU	11. DIL-LL3
7. FPLU		8. ILD & 16 inch Normal	
8. CDN 6.5"		17. LLD-LLS	
9. CDN 8.0"		18. ID PHASOR	
Formation		10. ADN 6.75	4. ILD
Water		11. ATLAS 2435 CN	5. LLD
---		12. ATLAS 2420 CN	6. LL3 or LL7
0=NaCl		13. ATLAS SNP	7. Dual Laterolog
1=NaHCO3		14. BPB	13. LLS
15. HLS G		19. IM PHASOR	
14. ILM			
15. LL8			
9. 64 inch Normal Log			
12. SFL			
16. RXO			
0. No RT logs			

Zone no.	1	2
Formation Name	WAARRE	EUMERALL
Top depth	1275.000	1301.100
Bottom depth	1301.000	1998.900
Logging Company	3	3
Mud type	1	1
Formation Water Type	0	0
Neutron Log Type	14	14

SKULL CREEK WEST # 1 Complex Lithology Results
CULTUS PETROLEUM N.L. 27-02-97

Zone no. 1 2

Formation	WAARRE	EUMERALLA
1. Top depth	1275.000	1301.100
2. Bottom depth	1301.000	1998.900
3. No logs	DEPT	DEPT
4. RM	.646	.646
5. Temp. RM	20.400	20.400
6. RMF	.556 556.000	
7. Temp. RMF	20.400	20.400
8. RMC	.733	.733
9. Temp. RMC	20.400	20.400
10. Bit size	8.500	8.500
11. Mud wt	9.200	9.200
12. SSP	-20.000	-20.000
13. RW (SP)	.103	.048
14. FT=Form temp	52.075	59.685
15. RW @ FT	.370	.336
16. RW@75F(23.9C	.600	.600
17. KPPM (RW)	9.662	9.662
18. RMF @ FT	.317	287.084
19. KPPM (RMF)	11.425	.0078863
20. RM @ FT	.368	.334
21. RHO H	.050	.050
22. RHO F	1.005	.995
23. t F	188.997	189.000
24. RHOMA	2.650	2.650
25. PHIN min	-.035	-.035
26. t MA	55.500	55.500
27. t MA min	48.000	48.000
28. Sonic option	.000	.000
29. Compact/Over	1.000	1.000
30. CAL cut off	10.500	10.500
31. RUGO.cut off	3.000	3.000
32. DRHO cut off	.150	.150
33. No clay	SP	SP
	RT	RT
	N	N
	S	S
	MN	MN
	SD	SD
	SN	SN
34. Vclay Flag	.000	.000
35. Vclay type	.000	.000
36. Vclay inp1	.200	.200
37. Vclay out1	.150	.150
38. Vclay inp2	.800	.800
39. Vclay out2	.800	.800
40. Vclay 50%	.500	.500

SKULL CREEK WEST # 1 Complex Lithology Results
CULTUS PETROLEUM N.L. 27-02-97

Zone no.	1	2
Formation	WAARRE	EUMERALLA
1. Top depth	1275.000	1301.100
2. Bottom depth	1301.000	1998.900
41. VclayGR type	1.000	1.000
42. GR clean	25.000	25.000
43. GR clay	120.000	120.000
44. GR1	36.000	36.000
45. VGR1	.100	.100
46. GR2	84.000	84.000
47. VGR2	.800	800
48. GR50%	70.000	70.000
49. R clay	2.500	5.000
50. R limit	1000.000	1000.000
51. Rclay1 flag	.000	.000
52. Rclay1	1.000	1.000
53. Vcl @ Rclay1	.150	.150
54. RHOB clay	2.150	2.250
55. PHIN clay	.500	.360
56. t clay	100.000	100.000
57. M clay	.777	.709
58. N clay	.437	.510
59. PHIN 2.2	.270	.270
60. t 2.2	104.000	104.000
61. COER (a)	1.000	1.000
62. MXP (m)	1.800	1.800
63. m Function	1.000	1.000
64. SXP (n)	1.800	1.800
65. Lithomod	1.000	1.000
66. SXO limit	.200	.200
67. PHI max	.400	.400
68. PHI min c.o.	.0010000	.0010000
69. EXPX	1.500	1.500
70. Clay cut off	.500	.500
71. Por. cut off	.050	.050
72. SW cut off	.800	.800
73. Sat Equation	1.000	1.000
74. Glauconite	.000	.000
75. SWirr.cutoff	.300	.300
76. Perm Expon.	6.000	6.000
77. PERM K coef	62500.000	62500.000
93. PHINmat1	.200	.200
94. PHIDmat1	.240	.240
95. PHINmat2	.350	.350
96. PHIDmat2	.200	.200
97. PHINmat3	.050	.050
98. PHIDmat3	.000	.000
99. PHINmat4	.200	.200
100. PHIDmat4	-.100	-.100

SECTION 6(c):

VELOCITY SURVEY RESULTS

905298 160

VELSEIS PROCESSING

Unit 1B 14 Argon St
Sumner Park Qld 4074
PO Box 617 Sumner Park
Qld 4074 Australia

Telephone (617) 3279 0400
Facsimile (617) 3279 0743

Velseis Processing Pty Ltd ACN 058 427 204

17 March, 1997

Cultus Petroleum
Level 4
828 Pacific Hwy
Gordon NSW 2072

Attention: Mr. Peter Southwell

Reference : **Velocity Survey - Skull Creek West #1**

Dear Peter Southwell,

Please find enclosed the following information for the velocity survey at SKULL CREEK WEST No. 1 well, recorded on 26 February, 1997;

- Trace playout for all recorded levels
- First arrival plots - raw pick times only
- Calculation sheet - corrected for deviation

A datum of 0.0 metres ASL has been used. This level was shot seven (7) times during the survey and an effective datum correction time of 57.3 msec has been calculated. Please note, this value includes a 2.0 msec instrument delay which must be subtracted to obtain the raw time.

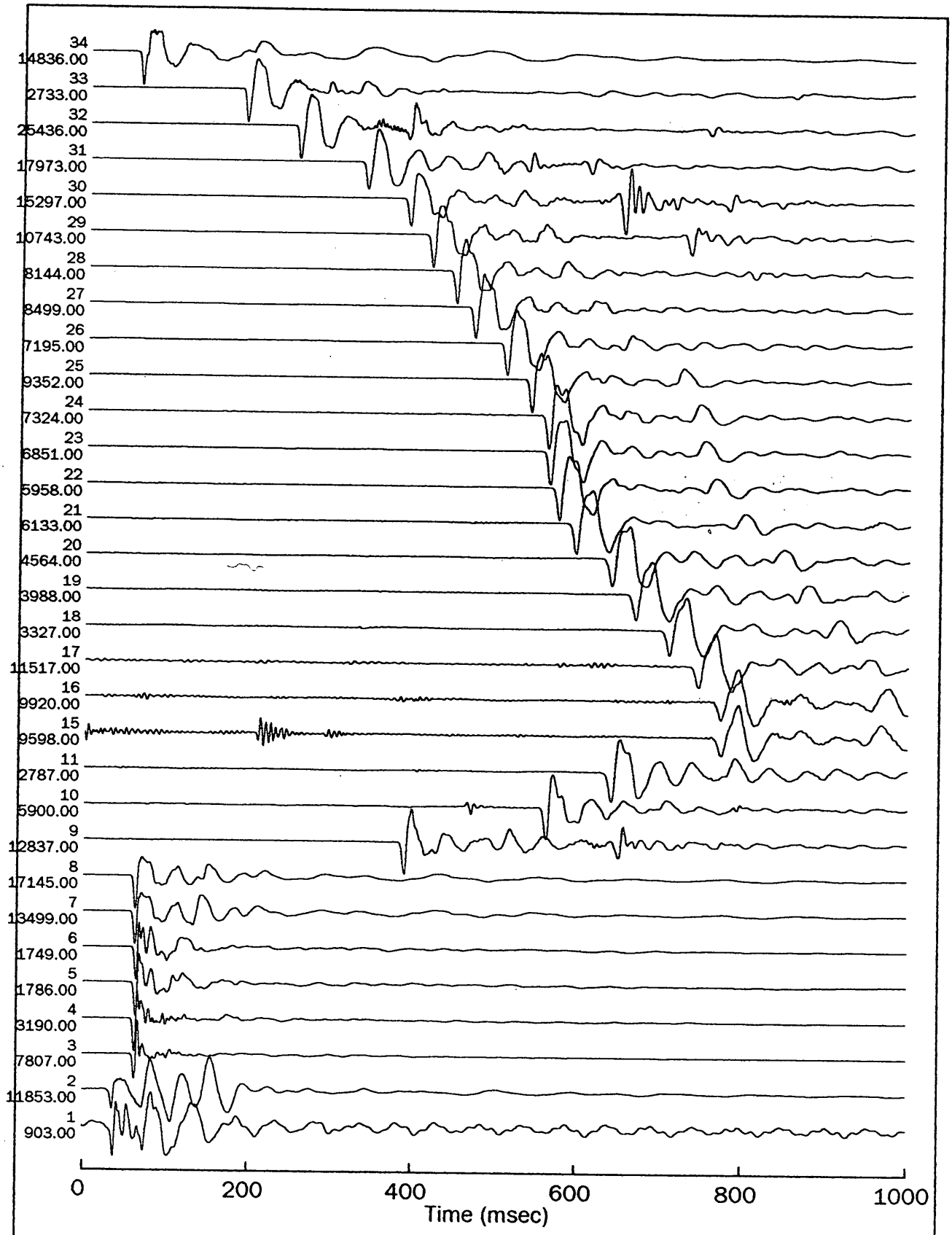
In order to proceed with the final report, Velseis Processing request the following information;

- confirmation of DATUM
- list of formation tops
- floppy disk of wireline services (MS-DOS ascii format)

Please contact me if you have any queries.

Regards,

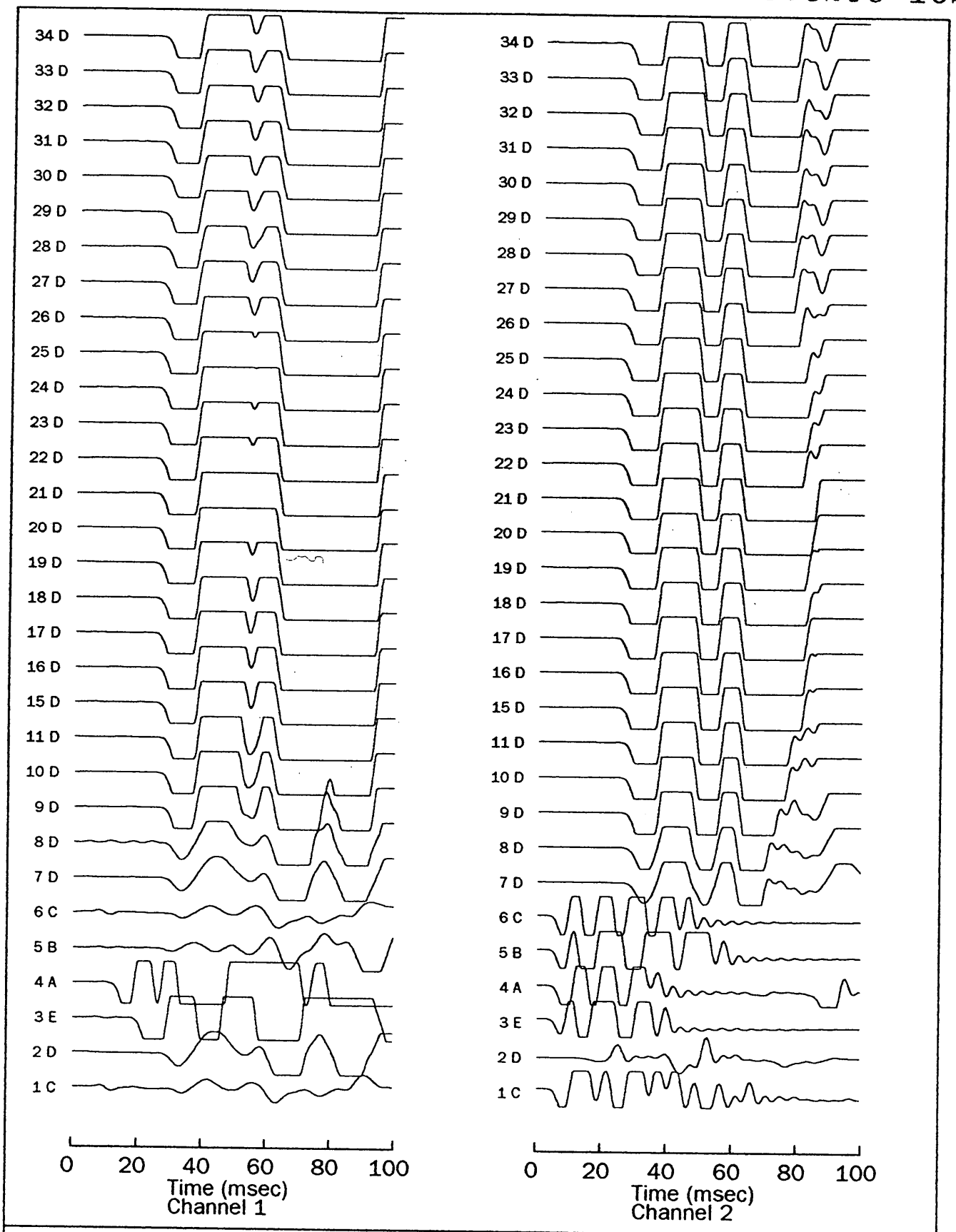
Howard Bassingthwaighte
Processing Geophysicist



SKULL CREEK WEST #1

VELOCITY SURVEY TRACE DISPLAY

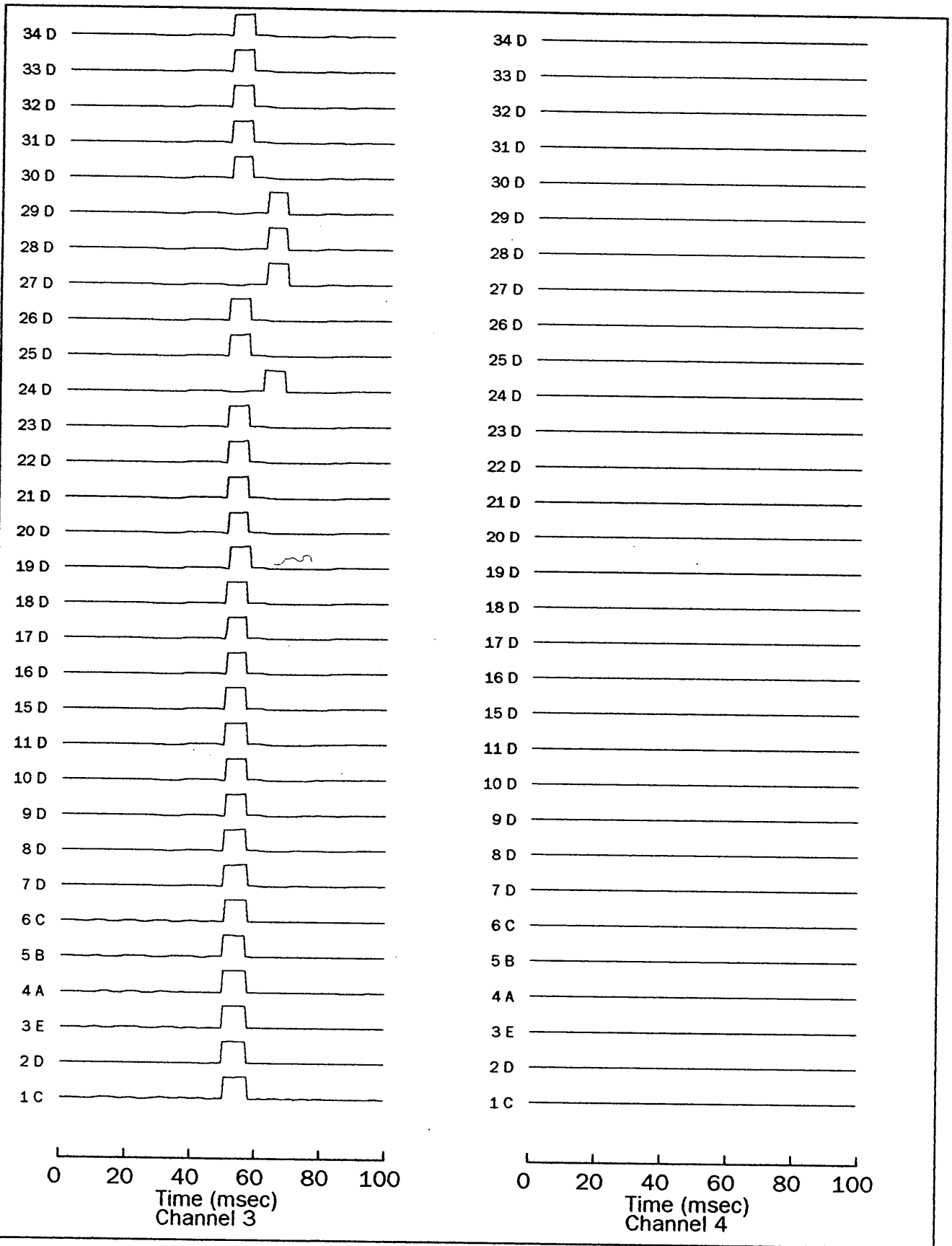
Figure 1a



SKULL CREEK WEST #1

VELOCITY SURVEY TRACE DISPLAY
AUXILIARY CHANNELS

Figure 1b

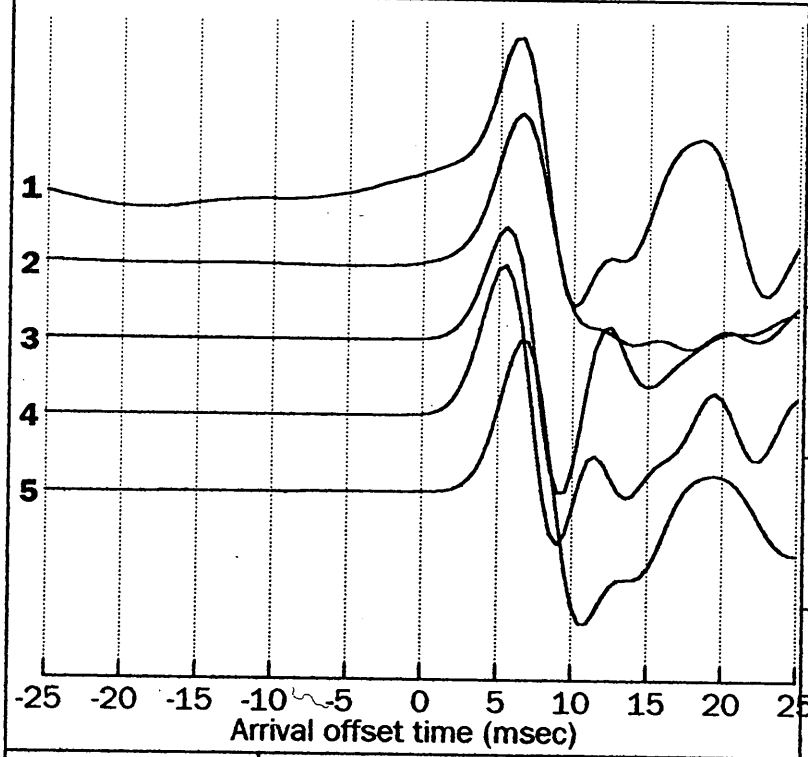


SKULL CREEK WEST #1

VELOCITY SURVEY TRACE DISPLAY
AUXILIARY CHANNELS

Figure 1b

First arrivals plot : SKULL CREEK WEST #1



Shot 1 Location : C
Charge depth 0.5 Size 0.2
Phone depth : 48.0
Arrival time : 31.0 msec

Shot 2 Location : D
Charge depth 1.0 Size 0.2
Phone depth : 48.0
Arrival time : 29.0 msec

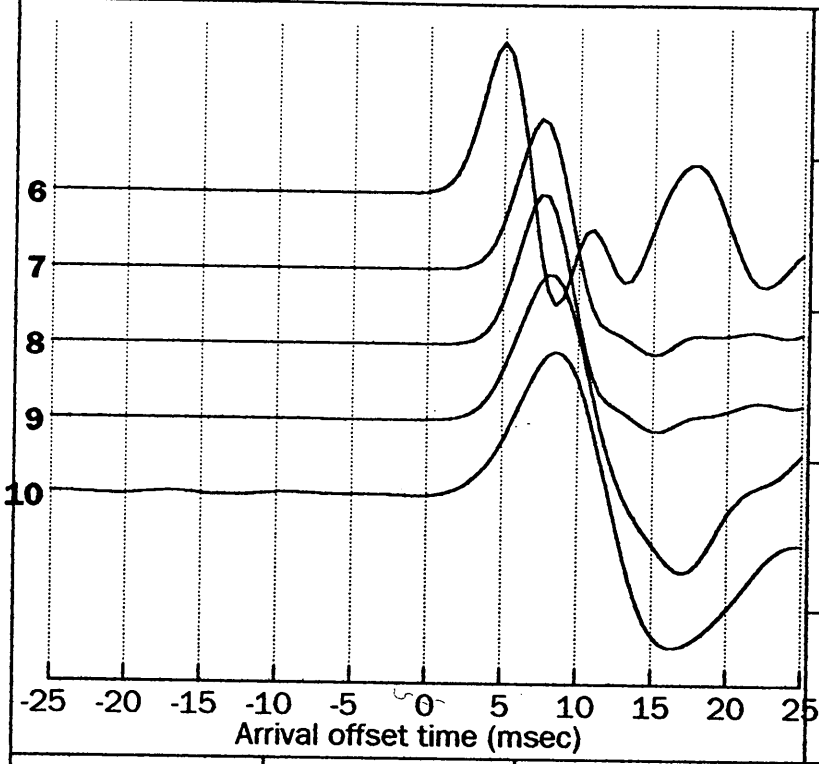
Shot 3 Location : E
Charge depth 0.5 Size 0.2
Phone depth : 100.3
Arrival time : 56.5 msec

Shot 4 Location : A
Charge depth 0.5 Size 0.2
Phone depth : 100.3
Arrival time : 56.5 msec

Shot 5 Location : B
Charge depth 0.5 Size 0.2
Phone depth : 100.3
Arrival time : 57.5 msec

SHOT 1		SHOT 2		SHOT 3		SHOT 4		SHOT 5	
Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl
20.0	65.00	18.0	41.00	46.0	7.00	46.0	-4.00	46.0	12.00
20.5	65.00	18.5	46.00	46.5	7.00	46.5	-1.00	46.5	11.00
21.0	65.00	19.0	53.00	47.0	7.00	47.0	-1.00	47.0	13.00
21.5	67.00	19.5	61.00	47.5	7.00	47.5	-1.00	47.5	11.00
22.0	67.00	20.0	70.00	48.0	6.00	48.0	-1.00	48.0	11.00
22.5	66.00	20.5	79.00	48.5	7.00	48.5	0.00	48.5	11.00
23.0	65.00	21.0	87.00	49.0	6.00	49.0	0.00	49.0	9.00
23.5	60.00	21.5	97.00	49.5	6.00	49.5	0.00	49.5	10.00
24.0	56.00	22.0	103.00	50.0	6.00	50.0	0.00	50.0	10.00
24.5	50.00	22.5	110.00	50.5	6.00	50.5	0.00	50.5	10.00
25.0	44.00	23.0	115.00	51.0	7.00	51.0	0.00	51.0	9.00
25.5	38.00	23.5	120.00	51.5	6.00	51.5	1.00	51.5	9.00
26.0	32.00	24.0	121.00	52.0	6.00	52.0	0.00	52.0	9.00
26.5	23.00	24.5	120.00	52.5	6.00	52.5	0.00	52.5	9.00
27.0	13.00	25.0	117.00	53.0	6.00	53.0	0.00	53.0	8.00
27.5	2.00	25.5	112.00	53.5	6.00	53.5	0.00	53.5	8.00
28.0	-12.00	26.0	106.00	54.0	5.00	54.0	-1.00	54.0	7.00
28.5	-25.00	26.5	97.00	54.5	5.00	54.5	-1.00	54.5	7.00
29.0	-36.00	27.0	86.00	55.0	3.00	55.0	-2.00	55.0	6.00
29.5	-48.00	27.5	72.00	55.5	1.00	55.5	-4.00	55.5	6.00
30.0	-60.00	28.0	49.00	56.0	-3.00	56.0	-7.00	56.0	5.00
30.5	-69.00	28.5	17.00	**56.5**	**-12.00**	**56.5**	**-13.00**	56.5	3.00
31.0	**-82.00**	**29.0**	**-35.00**	57.0	-27.00	57.0	-25.00	57.0	1.00
31.5	-95.00	29.5	-104.00	57.5	-60.00	57.5	-50.00	**57.5**	**-2.00**
32.0	-109.00	30.0	-197.00	58.0	-124.00	58.0	-96.00	58.0	-6.00
32.5	-123.00	30.5	-318.00	58.5	-246.00	58.5	-183.00	58.5	-13.00
33.0	-140.00	31.0	-480.00	59.0	-468.00	59.0	-338.00	59.0	-30.00
33.5	-162.00	31.5	-719.00	59.5	-851.00	59.5	-593.00	59.5	-66.00
34.0	-195.00	32.0	-1087.00	60.0	-1451.00	60.0	-973.00	60.0	-135.00
34.5	-250.00	32.5	-1650.00	60.5	-2299.00	60.5	-1482.00	60.5	-247.00
35.0	-335.00	33.0	-2453.00	61.0	-3358.00	61.0	-2078.00	61.0	-422.00
35.5	-454.00	33.5	-3492.00	61.5	-4487.00	61.5	-2663.00	61.5	-666.00
36.0	-596.00	34.0	-4668.00	62.0	-5412.00	62.0	-3088.00	62.0	-973.00
36.5	-734.00	34.5	-5770.00	62.5	-5837.00	62.5	-3190.00	62.5	-1307.00
37.0	-828.00	35.0	-6590.00	63.0	-5473.00	63.0	-2845.00	63.0	-1606.00
37.5	-836.00	35.5	-6909.00	63.5	-4116.00	63.5	-2026.00	63.5	-1786.00
38.0	-732.00	36.0	-6581.00	64.0	-1775.00	64.0	-839.00	64.0	-1772.00
38.5	-515.00	36.5	-5588.00	64.5	1193.00	64.5	487.00	64.5	-1516.00
39.0	-219.00	37.0	-4045.00	65.0	4213.00	65.0	1665.00	65.0	-1030.00
39.5	103.00	37.5	-2199.00	65.5	6563.00	65.5	2444.00	65.5	-382.00
40.0	382.00	38.0	-403.00	66.0	7807.00	66.0	2691.00	66.0	311.00
40.5	571.00	38.5	1065.00	66.5	7750.00	66.5	2452.00	66.5	921.00
41.0	646.00	39.0	2058.00	67.0	6511.00	67.0	1909.00	67.0	1346.00
41.5	621.00	39.5	2588.00	67.5	4502.00	67.5	1326.00	67.5	1543.00
42.0	543.00	40.0	2789.00	68.0	2257.00	68.0	925.00	68.0	1538.00

First arrivals plot : SKULL CREEK WEST #1



Shot 6 Location : C
Charge depth 0.5 Size 0.2
Phone depth : 100.3
Arrival time : 58.5 msec

Shot 7 Location : D
Charge depth 1.0 Size 0.2
Phone depth : 100.3
Arrival time : 55.5 msec

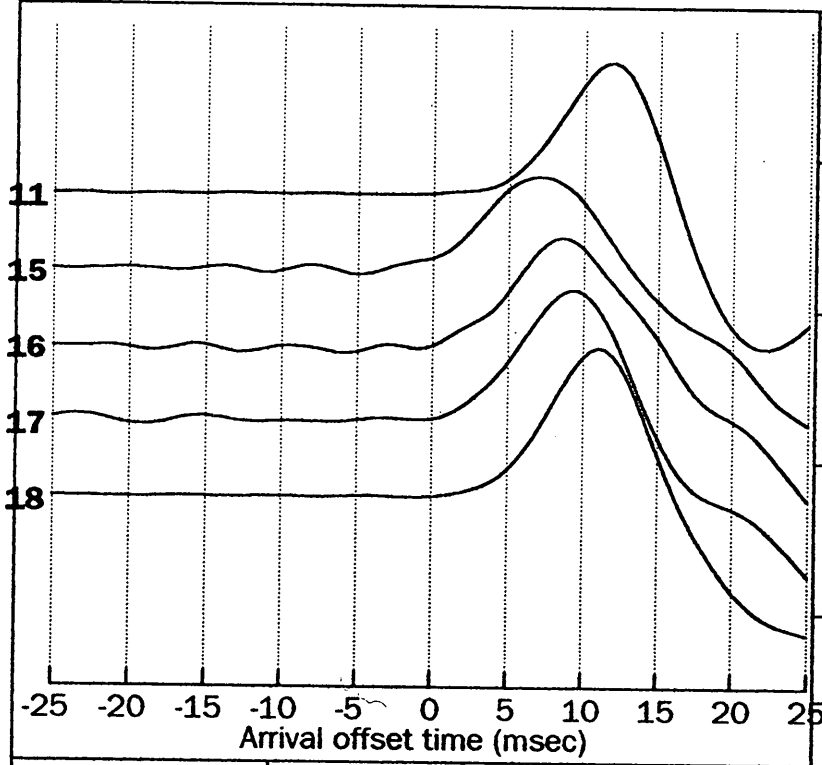
Shot 8 Location : D
Charge depth 1.0 Size 0.2
Phone depth : 100.3
Arrival time : 55.5 msec

Shot 9 Location : D
Charge depth 1.0 Size 0.5
Phone depth : 805.0
Arrival time : 382.0 msec

Shot 10 Location : D
Charge depth 1.0 Size 1.0
Phone depth : 1285.5
Arrival time : 554.0 msec

SHOT 6		SHOT 7		SHOT 8		SHOT 9		SHOT 10	
Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl
48.0	2.00	44.0	0.00	44.0	-25.00	371.0	-30.00	543.0	-38.00
48.5	1.00	44.5	0.00	44.5	-26.00	371.5	-30.00	543.5	-56.00
49.0	1.00	45.0	2.00	45.0	-26.00	372.0	-30.00	544.0	-70.00
49.5	0.00	45.5	0.00	45.5	-27.00	372.5	-30.00	544.5	-79.00
50.0	1.00	46.0	0.00	46.0	-27.00	373.0	-30.00	545.0	-80.00
50.5	0.00	46.5	-1.00	46.5	-29.00	373.5	-29.00	545.5	-77.00
51.0	0.00	47.0	-1.00	47.0	-28.00	374.0	-29.00	546.0	-67.00
51.5	-1.00	47.5	-1.00	47.5	-26.00	374.5	-28.00	546.5	-53.00
52.0	0.00	48.0	-2.00	48.0	-26.00	375.0	-28.00	547.0	-38.00
52.5	1.00	48.5	-2.00	48.5	-25.00	375.5	-26.00	547.5	-26.00
53.0	1.00	49.0	-1.00	49.0	-24.00	376.0	-24.00	548.0	-17.00
53.5	0.00	49.5	-2.00	49.5	-23.00	376.5	-23.00	548.5	-12.00
54.0	0.00	50.0	-3.00	50.0	-22.00	377.0	-23.00	549.0	-15.00
54.5	0.00	50.5	-2.00	50.5	-21.00	377.5	-22.00	549.5	-18.00
55.0	1.00	51.0	-2.00	51.0	-21.00	378.0	-21.00	550.0	-23.00
55.5	1.00	51.5	-2.00	51.5	-20.00	378.5	-23.00	550.5	-25.00
56.0	0.00	52.0	-1.00	52.0	-19.00	379.0	-25.00	551.0	-22.00
56.5	-1.00	52.5	-2.00	52.5	-17.00	379.5	-25.00	551.5	-15.00
57.0	1.00	53.0	-3.00	53.0	-18.00	380.0	-26.00	552.0	-3.00
57.5	-1.00	53.5	-2.00	53.5	-18.00	380.5	-25.00	552.5	9.00
58.0	-1.00	54.0	-3.00	54.0	-20.00	381.0	-25.00	553.0	19.00
58.5	**-5.00**	54.5	-5.00	54.5	-22.00	381.5	-25.00	553.5	23.00
59.0	-14.00	55.0	-7.00	55.0	-25.00	**382.0**	**-31.00**	**554.0**	**15.00**
59.5	-33.00	**55.5**	**-13.00**	**55.5**	**-31.00**	382.5	-42.00	554.5	-10.00
60.0	-68.00	56.0	-24.00	56.0	-43.00	383.0	-67.00	555.0	-56.00
60.5	-134.00	56.5	-48.00	56.5	-70.00	383.5	-119.00	555.5	-133.00
61.0	-249.00	57.0	-97.00	57.0	-126.00	384.0	-222.00	556.0	-245.00
61.5	-432.00	57.5	-197.00	57.5	-240.00	384.5	-404.00	556.5	-402.00
62.0	-691.00	58.0	-397.00	58.0	-469.00	385.0	-706.00	557.0	-613.00
62.5	-1013.00	58.5	-776.00	58.5	-907.00	385.5	-1185.00	557.5	-886.00
63.0	-1351.00	59.0	-1445.00	59.0	-1689.00	386.0	-1891.00	558.0	-1234.00
63.5	-1628.00	59.5	-2523.00	59.5	-2974.00	386.5	-2874.00	558.5	-1660.00
64.0	-1749.00	60.0	-4105.00	60.0	-4878.00	387.0	-4149.00	559.0	-2166.00
64.5	-1637.00	60.5	-6124.00	60.5	-7337.00	387.5	-5656.00	559.5	-2743.00
65.0	-1264.00	61.0	-8429.00	61.0	-10233.00	388.0	-7315.00	560.0	-3370.00
65.5	-674.00	61.5	-10725.00	61.5	-13222.00	388.5	-9017.00	560.5	-4014.00
66.0	18.00	62.0	-12579.00	62.0	-15733.00	389.0	-10577.00	561.0	-4621.00
66.5	658.00	62.5	-13499.00	62.5	-17145.00	389.5	-11790.00	561.5	-5132.00
67.0	1104.00	63.0	-13137.00	63.0	-16995.00	390.0	-12446.00	562.0	-5495.00
67.5	1278.00	63.5	-11418.00	63.5	-15132.00	390.5	-12380.00	562.5	-5659.00
68.0	1188.00	64.0	-8615.00	64.0	-11804.00	391.0	-11523.00	563.0	-5584.00
68.5	928.00	64.5	-5202.00	64.5	-7638.00	391.5	-9921.00	563.5	-5246.00
69.0	636.00	65.0	-1663.00	65.0	-3270.00	392.0	-7715.00	564.0	-4638.00
69.5	438.00	65.5	1342.00	65.5	672.00	392.5	-5110.00	564.5	-3768.00
70.0	397.00	66.0	3470.00	66.0	3614.00	393.0	-2270.00	565.0	-2688.00

First arrivals plot : SKULL CREEK WEST #1



Shot 11 Location : D
Charge depth 1.0 Size 1.0
Phone depth : 1532.5
Arrival time : 630.0 msec

Shot 15 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1990.0
Arrival time : 766.5 msec

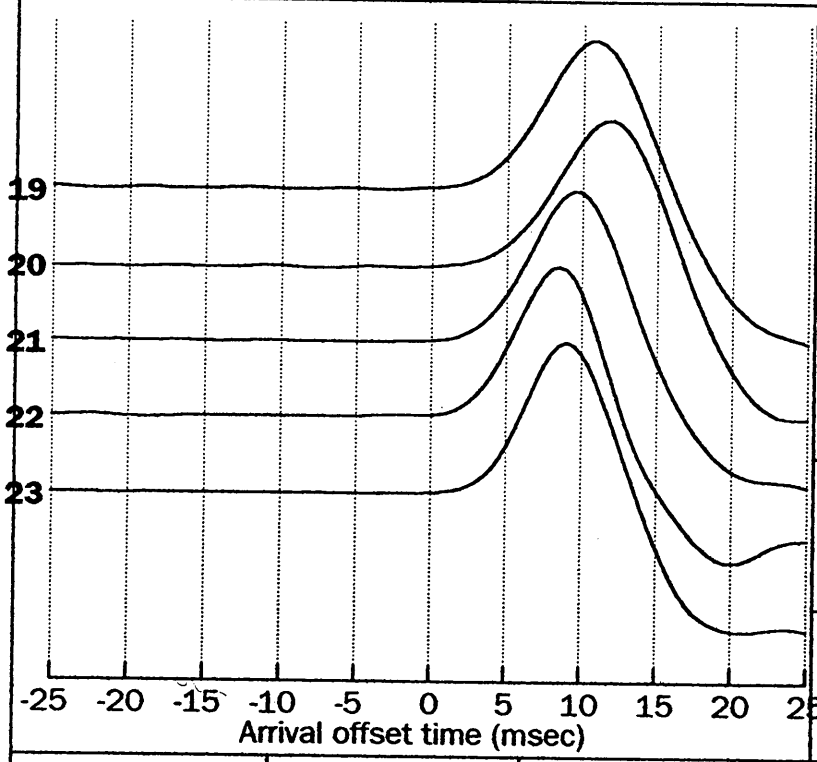
Shot 16 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1990.0
Arrival time : 765.5 msec

Shot 17 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1888.0
Arrival time : 737.5 msec

Shot 18 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1765.0
Arrival time : 700.0 msec

SHOT 11		SHOT 15		SHOT 16		SHOT 17		SHOT 18	
Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl
619.0	-9.00	756.0	129.00	754.0	120.00	726.0	-23.00	689.0	-35.00
619.5	-8.00	756.5	105.00	754.5	45.00	726.5	-39.00	689.5	-35.00
620.0	-8.00	757.0	24.00	755.0	-5.00	727.0	-57.00	690.0	-36.00
620.5	-9.00	757.5	-88.00	755.5	-27.00	727.5	-66.00	690.5	-33.00
621.0	-12.00	758.0	-205.00	756.0	-22.00	728.0	-63.00	691.0	-31.00
621.5	-15.00	758.5	-292.00	756.5	9.00	728.5	-51.00	691.5	-29.00
622.0	-16.00	759.0	-326.00	757.0	59.00	729.0	-34.00	692.0	-28.00
622.5	-18.00	759.5	-295.00	757.5	126.00	729.5	-22.00	692.5	-27.00
623.0	-18.00	760.0	-206.00	758.0	203.00	730.0	-20.00	693.0	-28.00
623.5	-17.00	760.5	-82.00	758.5	277.00	730.5	-35.00	693.5	-32.00
624.0	-14.00	761.0	46.00	759.0	324.00	731.0	-65.00	694.0	-36.00
624.5	-12.00	761.5	145.00	759.5	323.00	731.5	-107.00	694.5	-42.00
625.0	-10.00	762.0	188.00	760.0	268.00	732.0	-153.00	695.0	-48.00
625.5	-9.00	762.5	172.00	760.5	166.00	732.5	-198.00	695.5	-52.00
626.0	-8.00	763.0	93.00	761.0	47.00	733.0	-237.00	696.0	-51.00
626.5	-9.00	763.5	-28.00	761.5	-54.00	733.5	-260.00	696.5	-49.00
627.0	-9.00	764.0	-168.00	762.0	-106.00	734.0	-267.00	697.0	-42.00
627.5	-10.00	764.5	-301.00	762.5	-94.00	734.5	-258.00	697.5	-30.00
628.0	-10.00	765.0	-413.00	763.0	-30.00	735.0	-233.00	698.0	-29.00
628.5	-13.00	765.5	-499.00	763.5	46.00	735.5	-202.00	698.5	-26.00
629.0	-17.00	766.0	-568.00	764.0	88.00	736.0	-179.00	699.0	-27.00
629.5	-23.00	**766.5**	**-639.00**	764.5	56.00	736.5	-179.00	699.5	-34.00
630.0	**-33.00**	767.0	-741.00	765.0	-64.00	737.0	-223.00	**700.0**	**-43.00**
630.5	-43.00	767.5	-895.00	**765.5**	**-259.00**	**737.5**	**-319.00**	700.5	-58.00
631.0	-54.00	768.0	-1121.00	766.0	-494.00	738.0	-480.00	701.0	-75.00
631.5	-65.00	768.5	-1429.00	766.5	-734.00	738.5	-702.00	701.5	-97.00
632.0	-75.00	769.0	-1811.00	767.0	-957.00	739.0	-977.00	702.0	-120.00
632.5	-86.00	769.5	-2256.00	767.5	-1160.00	739.5	-1296.00	702.5	-152.00
633.0	-102.00	770.0	-2741.00	768.0	-1366.00	740.0	-1654.00	703.0	-192.00
633.5	-128.00	770.5	-3242.00	768.5	-1609.00	740.5	-2048.00	703.5	-245.00
634.0	-168.00	771.0	-3730.00	769.0	-1921.00	741.0	-2481.00	704.0	-317.00
634.5	-229.00	771.5	-4178.00	769.5	-2322.00	741.5	-2966.00	704.5	-407.00
635.0	-310.00	772.0	-4563.00	770.0	-2806.00	742.0	-3511.00	705.0	-519.00
635.5	-414.00	772.5	-4869.00	770.5	-3347.00	742.5	-4112.00	705.5	-655.00
636.0	-539.00	773.0	-5088.00	771.0	-3904.00	743.0	-4747.00	706.0	-815.00
636.5	-684.00	773.5	-5224.00	771.5	-4434.00	743.5	-5391.00	706.5	-1000.00
637.0	-846.00	774.0	-5279.00	772.0	-4895.00	744.0	-6013.00	707.0	-1204.00
637.5	-1025.00	774.5	-5255.00	772.5	-5259.00	744.5	-6582.00	707.5	-1426.00
638.0	-1218.00	775.0	-5154.00	773.0	-5504.00	745.0	-7063.00	708.0	-1655.00
638.5	-1424.00	775.5	-4970.00	773.5	-5613.00	745.5	-7420.00	708.5	-1884.00
639.0	-1640.00	776.0	-4703.00	774.0	-5577.00	746.0	-7623.00	709.0	-2105.00
639.5	-1854.00	776.5	-4344.00	774.5	-5396.00	746.5	-7651.00	709.5	-2301.00
640.0	-2060.00	777.0	-3895.00	775.0	-5091.00	747.0	-7495.00	710.0	-2459.00
640.5	-2241.00	777.5	-3367.00	775.5	-4688.00	747.5	-7151.00	710.5	-2566.00
641.0	-2380.00	778.0	-2784.00	776.0	-4223.00	748.0	-6624.00	711.0	-2609.00

First arrivals plot : SKULL CREEK WEST #1



Shot 19 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1626.5
Arrival time : 658.5 msec

Shot 20 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1532.5
Arrival time : 629.0 msec

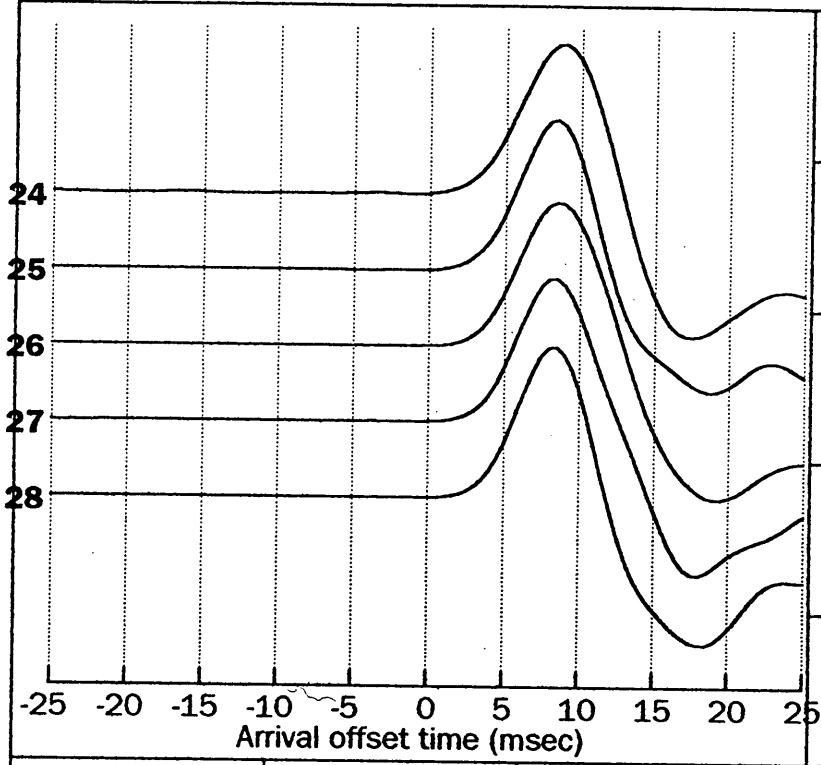
Shot 21 Location : D
Charge depth 2.0 Size 1.5
Phone depth : 1393.5
Arrival time : 587.0 msec

Shot 22 Location : D
Charge depth 2.0 Size 1.0
Phone depth : 1327.0
Arrival time : 567.5 msec

Shot 23 Location : D
Charge depth 2.0 Size 1.0
Phone depth : 1295.0
Arrival time : 554.5 msec

SHOT 19		SHOT 20		SHOT 21		SHOT 22		SHOT 23	
Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl
648.0	-19.00	618.0	19.00	576.0	-9.00	556.0	-24.00	544.0	22.00
648.5	-13.00	618.5	17.00	576.5	-10.00	556.5	-26.00	544.5	21.00
649.0	-5.00	619.0	23.00	577.0	-6.00	557.0	-27.00	545.0	21.00
649.5	-1.00	619.5	32.00	577.5	-2.00	557.5	-29.00	545.5	18.00
650.0	2.00	620.0	45.00	578.0	3.00	558.0	-31.00	546.0	17.00
650.5	3.00	620.5	59.00	578.5	4.00	558.5	-31.00	546.5	14.00
651.0	-1.00	621.0	69.00	579.0	8.00	559.0	-31.00	547.0	14.00
651.5	-7.00	621.5	76.00	579.5	8.00	559.5	-30.00	547.5	14.00
652.0	-15.00	622.0	75.00	580.0	11.00	560.0	-26.00	548.0	15.00
652.5	-21.00	622.5	68.00	580.5	9.00	560.5	-24.00	548.5	17.00
653.0	-24.00	623.0	56.00	581.0	12.00	561.0	-25.00	549.0	17.00
653.5	-23.00	623.5	42.00	581.5	14.00	561.5	-27.00	549.5	18.00
654.0	-19.00	624.0	31.00	582.0	14.00	562.0	-33.00	550.0	18.00
654.5	-12.00	624.5	24.00	582.5	14.00	562.5	-42.00	550.5	17.00
655.0	-6.00	625.0	22.00	583.0	11.00	563.0	-56.00	551.0	16.00
655.5	-2.00	625.5	26.00	583.5	9.00	563.5	-70.00	551.5	14.00
656.0	0.00	626.0	34.00	584.0	5.00	564.0	-82.00	552.0	10.00
656.5	-4.00	626.5	39.00	584.5	-2.00	564.5	-89.00	552.5	7.00
657.0	-9.00	627.0	43.00	585.0	-6.00	565.0	-92.00	553.0	4.00
657.5	-17.00	627.5	43.00	585.5	-12.00	565.5	-89.00	553.5	3.00
658.0	-32.00	628.0	37.00	586.0	-18.00	566.0	-85.00	554.0	-2.00
658.5	**-39.00**	628.5	26.00	586.5	-25.00	566.5	-82.00	**554.5**	**-10.00**
659.0	-48.00	**629.0**	**12.00**	**587.0**	**-38.00**	567.0	-92.00	555.0	-23.00
659.5	-58.00	629.5	-1.00	587.5	-60.00	**567.5**	**-121.00**	555.5	-46.00
660.0	-69.00	630.0	-14.00	588.0	-99.00	568.0	-181.00	556.0	-82.00
660.5	-91.00	630.5	-32.00	588.5	-160.00	568.5	-279.00	556.5	-138.00
661.0	-124.00	631.0	-55.00	589.0	-249.00	569.0	-427.00	557.0	-225.00
661.5	-170.00	631.5	-87.00	589.5	-378.00	569.5	-631.00	557.5	-352.00
662.0	-234.00	632.0	-138.00	590.0	-550.00	570.0	-901.00	558.0	-534.00
662.5	-317.00	632.5	-207.00	590.5	-775.00	570.5	-1242.00	558.5	-790.00
663.0	-423.00	633.0	-299.00	591.0	-1054.00	571.0	-1660.00	559.0	-1136.00
663.5	-557.00	633.5	-414.00	591.5	-1397.00	571.5	-2153.00	559.5	-1584.00
664.0	-718.00	634.0	-557.00	592.0	-1803.00	572.0	-2714.00	560.0	-2142.00
664.5	-908.00	634.5	-724.00	592.5	-2270.00	572.5	-3326.00	560.5	-2806.00
665.0	-1126.00	635.0	-921.00	593.0	-2792.00	573.0	-3964.00	561.0	-3554.00
665.5	-1371.00	635.5	-1146.00	593.5	-3355.00	573.5	-4586.00	561.5	-4350.00
666.0	-1636.00	636.0	-1402.00	594.0	-3937.00	574.0	-5137.00	562.0	-5120.00
666.5	-1915.00	636.5	-1687.00	594.5	-4502.00	574.5	-5577.00	562.5	-5809.00
667.0	-2197.00	637.0	-1997.00	595.0	-5008.00	575.0	-5863.00	563.0	-6363.00
667.5	-2472.00	637.5	-2327.00	595.5	-5419.00	575.5	-5958.00	563.5	-6724.00
668.0	-2721.00	638.0	-2661.00	596.0	-5702.00	576.0	-5840.00	564.0	-6851.00
668.5	-2930.00	638.5	-2986.00	596.5	-5827.00	576.5	-5499.00	564.5	-6723.00
669.0	-3083.00	639.0	-3281.00	597.0	-5775.00	577.0	-4950.00	565.0	-6352.00
669.5	-3167.00	639.5	-3529.00	597.5	-5541.00	577.5	-4213.00	565.5	-5770.00
670.0	-3171.00	640.0	-3712.00	598.0	-5133.00	578.0	-3335.00	566.0	-5018.00

First arrivals plot : SKULL CREEK WEST #1



Shot 24 Location : D
Charge depth 2.0 Size 1.0
Phone depth : 1285.5
Arrival time : 553.0 msec

Shot 25 Location : D
Charge depth 2.0 Size 1.0
Phone depth : 1226.0
Arrival time : 532.0 msec

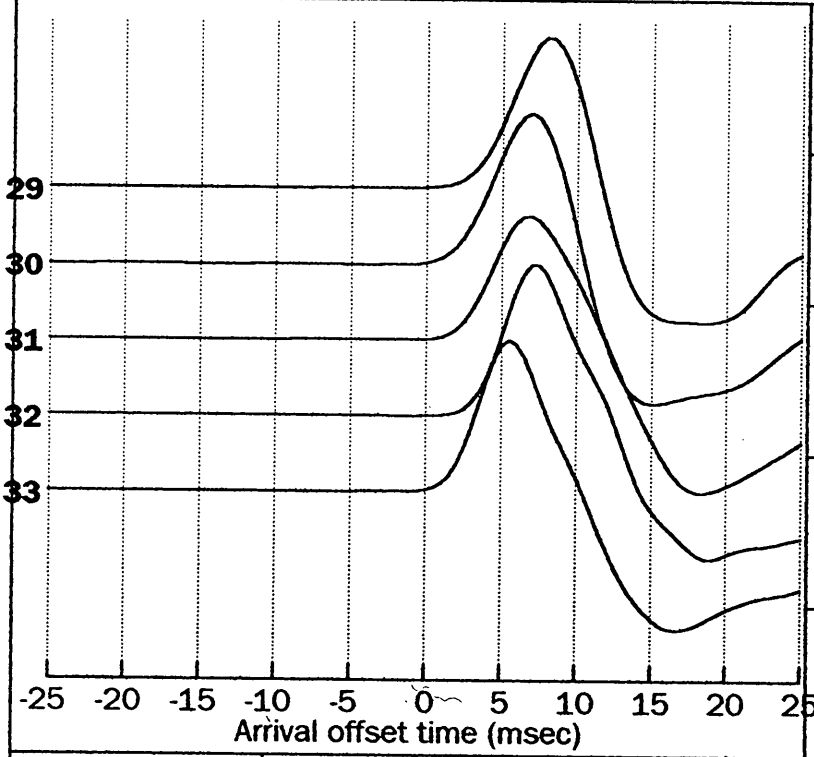
Shot 26 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 1134.0
Arrival time : 501.0 msec

Shot 27 Location : D
Charge depth 2.0 Size 1.0
Phone depth : 1025.0
Arrival time : 462.0 msec

Shot 28 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 959.0
Arrival time : 439.0 msec

SHOT 24		SHOT 25		SHOT 26		SHOT 27		SHOT 28	
Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl
542.0	-8.00	521.0	-9.00	490.0	-6.00	451.0	-42.00	428.0	-13.00
542.5	-12.00	521.5	-10.00	490.5	-8.00	451.5	-46.00	428.5	-14.00
543.0	-16.00	522.0	-9.00	491.0	-10.00	452.0	-48.00	429.0	-16.00
543.5	-16.00	522.5	-9.00	491.5	-10.00	452.5	-49.00	429.5	-17.00
544.0	-17.00	523.0	-8.00	492.0	-12.00	453.0	-48.00	430.0	-19.00
544.5	-18.00	523.5	-9.00	492.5	-11.00	453.5	-47.00	430.5	-19.00
545.0	-17.00	524.0	-9.00	493.0	-11.00	454.0	-44.00	431.0	-20.00
545.5	-19.00	524.5	-10.00	493.5	-11.00	454.5	-42.00	431.5	-21.00
546.0	-19.00	525.0	-10.00	494.0	-11.00	455.0	-40.00	432.0	-22.00
546.5	-25.00	525.5	-9.00	494.5	-12.00	455.5	-40.00	432.5	-22.00
547.0	-32.00	526.0	-8.00	495.0	-13.00	456.0	-41.00	433.0	-21.00
547.5	-41.00	526.5	-6.00	495.5	-14.00	456.5	-43.00	433.5	-21.00
548.0	-52.00	527.0	-5.00	496.0	-15.00	457.0	-46.00	434.0	-21.00
548.5	-61.00	527.5	-4.00	496.5	-16.00	457.5	-47.00	434.5	-19.00
549.0	-67.00	528.0	-5.00	497.0	-16.00	458.0	-49.00	435.0	-18.00
549.5	-68.00	528.5	-5.00	497.5	-16.00	458.5	-49.00	435.5	-15.00
550.0	-63.00	529.0	-7.00	498.0	-17.00	459.0	-48.00	436.0	-15.00
550.5	-53.00	529.5	-8.00	498.5	-16.00	459.5	-45.00	436.5	-15.00
551.0	-42.00	530.0	-9.00	499.0	-17.00	460.0	-41.00	437.0	-13.00
551.5	-31.00	530.5	-9.00	499.5	-20.00	460.5	-41.00	437.5	-14.00
552.0	-27.00	531.0	-10.00	500.0	-22.00	461.0	-40.00	438.0	-15.00
552.5	-33.00	531.5	-17.00	500.5	-25.00	461.5	-45.00	438.5	-19.00
553.0	**-54.00**	**532.0**	**-31.00**	**501.0**	**-33.00**	**462.0**	**-53.00**	**439.0**	**-26.00**
553.5	-93.00	532.5	-61.00	501.5	-45.00	462.5	-72.00	439.5	-41.00
554.0	-155.00	533.0	-115.00	502.0	-73.00	463.0	-104.00	440.0	-72.00
554.5	-246.00	533.5	-206.00	502.5	-120.00	463.5	-161.00	440.5	-126.00
555.0	-380.00	534.0	-346.00	503.0	-207.00	464.0	-259.00	441.0	-222.00
555.5	-568.00	534.5	-557.00	503.5	-347.00	464.5	-422.00	441.5	-382.00
556.0	-828.00	535.0	-863.00	504.0	-564.00	465.0	-674.00	442.0	-630.00
556.5	-1178.00	535.5	-1292.00	504.5	-883.00	465.5	-1049.00	442.5	-997.00
557.0	-1627.00	536.0	-1866.00	505.0	-1319.00	466.0	-1572.00	443.0	-1506.00
557.5	-2182.00	536.5	-2606.00	505.5	-1884.00	466.5	-2258.00	443.5	-2181.00
558.0	-2840.00	537.0	-3514.00	506.0	-2573.00	467.0	-3109.00	444.0	-3014.00
558.5	-3583.00	537.5	-4565.00	506.5	-3361.00	467.5	-4088.00	444.5	-3991.00
559.0	-4375.00	538.0	-5683.00	507.0	-4203.00	468.0	-5124.00	445.0	-5031.00
559.5	-5160.00	538.5	-6807.00	507.5	-5026.00	468.5	-6126.00	445.5	-6054.00
560.0	-5892.00	539.0	-7847.00	508.0	-5759.00	469.0	-7014.00	446.0	-6976.00
560.5	-6526.00	539.5	-8689.00	508.5	-6346.00	469.5	-7689.00	446.5	-7695.00
561.0	-7005.00	540.0	-9223.00	509.0	-6737.00	470.0	-8068.00	447.0	-8110.00
561.5	-7284.00	540.5	-9352.00	509.5	-6893.00	470.5	-8091.00	447.5	-8144.00
562.0	-7324.00	541.0	-9022.00	510.0	-6802.00	471.0	-7749.00	448.0	-7762.00
562.5	-7105.00	541.5	-8229.00	510.5	-6471.00	471.5	-7075.00	448.5	-6969.00
563.0	-6620.00	542.0	-7021.00	511.0	-5924.00	472.0	-6141.00	449.0	-5817.00
563.5	-5884.00	542.5	-5493.00	511.5	-5192.00	472.5	-5037.00	449.5	-4380.00
564.0	-4922.00	543.0	-3738.00	512.0	-4301.00	473.0	-3836.00	450.0	-2747.00

First arrivals plot : SKULL CREEK WEST #1



Shot 29 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 880.0
Arrival time : 410.0 msec

Shot 30 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 805.0
Arrival time : 382.5 msec

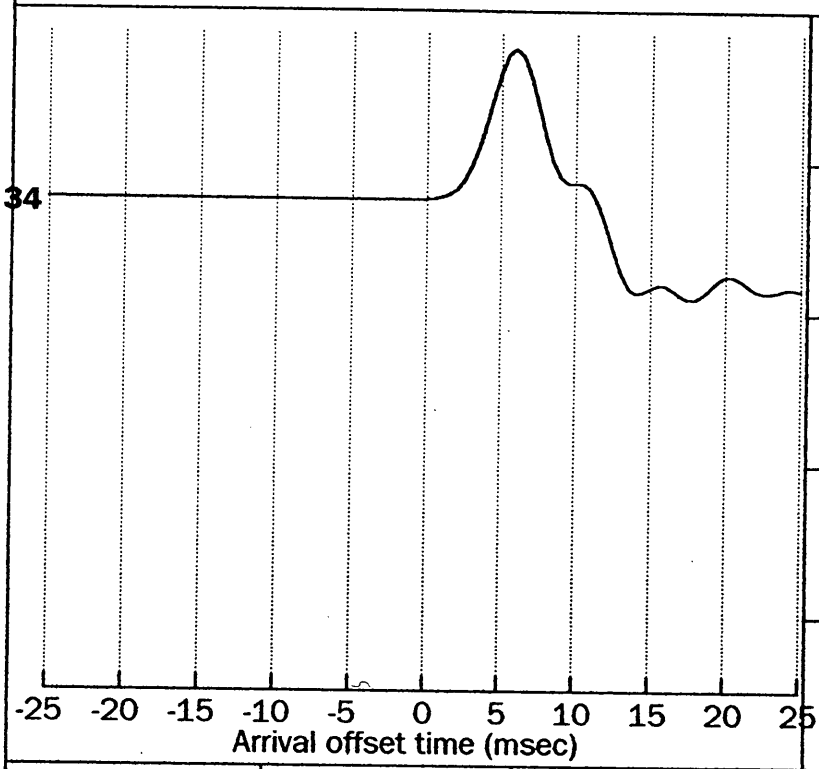
Shot 31 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 670.0
Arrival time : 330.5 msec

Shot 32 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 472.0
Arrival time : 247.5 msec

Shot 33 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 333.0
Arrival time : 182.5 msec

SHOT 29		SHOT 30		SHOT 31		SHOT 32		SHOT 33	
Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl	Time	Ampl
399.0	-8.00	372.0	28.00	320.0	15.00	236.0	27.00	172.0	-1.00
399.5	-10.00	372.5	24.00	320.5	14.00	236.5	30.00	172.5	-1.00
400.0	-13.00	373.0	20.00	321.0	12.00	237.0	31.00	173.0	-1.00
400.5	-14.00	373.5	16.00	321.5	10.00	237.5	28.00	173.5	-1.00
401.0	-14.00	374.0	16.00	322.0	7.00	238.0	26.00	174.0	-1.00
401.5	-16.00	374.5	17.00	322.5	6.00	238.5	22.00	174.5	-2.00
402.0	-15.00	375.0	20.00	323.0	4.00	239.0	18.00	175.0	-2.00
402.5	-17.00	375.5	22.00	323.5	4.00	239.5	17.00	175.5	-3.00
403.0	-17.00	376.0	27.00	324.0	3.00	240.0	19.00	176.0	-2.00
403.5	-17.00	376.5	31.00	324.5	4.00	240.5	23.00	176.5	-2.00
404.0	-19.00	377.0	34.00	325.0	3.00	241.0	25.00	177.0	-2.00
404.5	-20.00	377.5	37.00	325.5	1.00	241.5	29.00	177.5	-2.00
405.0	-21.00	378.0	39.00	326.0	-1.00	242.0	29.00	178.0	-3.00
405.5	-23.00	378.5	40.00	326.5	0.00	242.5	28.00	178.5	-4.00
406.0	-24.00	379.0	40.00	327.0	1.00	243.0	28.00	179.0	-4.00
406.5	-26.00	379.5	40.00	327.5	6.00	243.5	30.00	179.5	-5.00
407.0	-28.00	380.0	38.00	328.0	6.00	244.0	31.00	180.0	-5.00
407.5	-29.00	380.5	34.00	328.5	6.00	244.5	34.00	180.5	-5.00
408.0	-29.00	381.0	32.00	329.0	6.00	245.0	36.00	181.0	-4.00
408.5	-32.00	381.5	22.00	329.5	1.00	245.5	38.00	181.5	-5.00
409.0	-35.00	382.0	-4.00	330.0	-8.00	246.0	36.00	182.0	-8.00
409.5	-41.00	**382.5**	**-47.00**	**330.5**	**-28.00**	246.5	29.00	**182.5**	**-17.00**
410.0	**-54.00**	383.0	-133.00	331.0	-72.00	247.0	16.00	183.0	-35.00
410.5	-79.00	383.5	-283.00	331.5	-170.00	**247.5**	**-11.00**	183.5	-73.00
411.0	-131.00	384.0	-532.00	332.0	-362.00	248.0	-82.00	184.0	-149.00
411.5	-226.00	384.5	-920.00	332.5	-714.00	248.5	-241.00	184.5	-281.00
412.0	-389.00	385.0	-1490.00	333.0	-1300.00	249.0	-576.00	185.0	-486.00
412.5	-650.00	385.5	-2278.00	333.5	-2198.00	249.5	-1215.00	185.5	-779.00
413.0	-1047.00	386.0	-3308.00	334.0	-3465.00	250.0	-2322.00	186.0	-1150.00
413.5	-1613.00	386.5	-4577.00	334.5	-5085.00	250.5	-4066.00	186.5	-1576.00
414.0	-2375.00	387.0	-6003.00	335.0	-6951.00	251.0	-6491.00	187.0	-2005.00
414.5	-3343.00	387.5	-7544.00	335.5	-8968.00	251.5	-9614.00	187.5	-2380.00
415.0	-4503.00	388.0	-9103.00	336.0	-10948.00	252.0	-13339.00	188.0	-2635.00
415.5	-5771.00	388.5	-10550.00	336.5	-12687.00	252.5	-17309.00	188.5	-2733.00
416.0	-7091.00	389.0	-11743.00	337.0	-13973.00	253.0	-21007.00	189.0	-2661.00
416.5	-8371.00	389.5	-12534.00	337.5	-14669.00	253.5	-23871.00	189.5	-2443.00
417.0	-9489.00	390.0	-12802.00	338.0	-14739.00	254.0	-25431.00	190.0	-2127.00
417.5	-10318.00	390.5	-12471.00	338.5	-14235.00	254.5	-25436.00	190.5	-1773.00
418.0	-10743.00	391.0	-11522.00	339.0	-13279.00	255.0	-23959.00	191.0	-1424.00
418.5	-10679.00	391.5	-10005.00	339.5	-12007.00	255.5	-21358.00	191.5	-1107.00
419.0	-10089.00	392.0	-8011.00	340.0	-10551.00	256.0	-18174.00	192.0	-819.00
419.5	-8981.00	392.5	-5657.00	340.5	-8991.00	256.5	-14943.00	192.5	-546.00
420.0	-7419.00	393.0	-3020.00	341.0	-7351.00	257.0	-12034.00	193.0	-260.00
420.5	-5499.00	393.5	-286.00	341.5	-5628.00	257.5	-9564.00	193.5	46.00
421.0	-3300.00	394.0	2352.00	342.0	-3781.00	258.0	-7353.00	194.0	375.00

First arrivals plot : SKULL CREEK WEST #1



Shot 34 Location : D
Charge depth 2.0 Size 0.5
Phone depth : 100.3
Arrival time : 55.0 msec

SHOT	34
Time	**Ampl**
44.0	23.00
44.5	22.00
45.0	22.00
45.5	22.00
46.0	21.00
46.5	21.00
47.0	21.00
47.5	22.00
48.0	22.00
48.5	22.00
49.0	21.00
49.5	22.00
50.0	21.00
50.5	21.00
51.0	17.00
51.5	16.00
52.0	16.00
52.5	15.00
53.0	13.00
53.5	10.00
54.0	3.00
54.5	-11.00
55.0	**-43.00**
55.5	-106.00
56.0	-235.00
56.5	-497.00
57.0	-992.00
57.5	-1862.00
58.0	-3235.00
58.5	-5154.00
59.0	-7492.00
59.5	-10054.00
60.0	-12463.00
60.5	-14209.00
61.0	-14836.00
61.5	-14110.00
62.0	-12132.00
62.5	-9354.00
63.0	-6423.00
63.5	-3928.00
64.0	-2291.00
64.5	-1648.00
65.0	-1624.00
65.5	-1639.00
66.0	-1108.00

COMPANY : CULTUS
WELL : SKULL CREEK WEST #1

Latitude : 38 33 13.50 S Longitude : 142 57 37.50 E Survey date : 10-Jan-80 Survey units : METRES
Elevations : Datum : 0 Ground : 96 Kelly : 100.3 Times : MILLISECONDS

Shot data : Location Elevation Offset

A	96.0	8.0
B	96.0	17.5
C	96.0	25.0
E	96.0	17.5
D	95.0	25.0

Rig identification : O.D & E RIG 30
Energy source : POWERGEL
Logger : B.P.B.
Elevation velocity for shot statics : 1500
Instrument delay : 2.5 msec

SHOT CALCULATIONS :

Shot no.	Geophone depth Kelly	Datum	Shot Locn	Shot Depth	TIMES Record	Corr.	Avg.	Datum	Check shot interval distance	time	Velocities Average	RMS	Interval
1	48.0	-52.3	C	0.5	31.0	28.2							
2	48.0	-52.3	D	1.0	29.0	28.9							
DATUM													
3	100.3	0.0	E	0.5	56.5	56.6							
4	100.3	0.0	A	0.5	56.5	57.3							
5	100.3	0.0	B	0.5	57.5	57.6							
6	100.3	0.0	C	0.5	58.5	57.7							
7	100.3	0.0	D	1.0	55.5	57.4							
8	100.3	0.0	D	1.0	55.5	57.4							
34	100.3	0.0	D	2.0	55.0	56.9	57.3	0.0					
									232.7	128.3			1813.7
33	333.0	232.7	D	2.0	182.5	185.6	185.6	128.3			1813.7	1813.7	
									139.0	65.2			2131.9
32	472.0	371.7	D	2.0	247.5	250.8	250.8	193.5			1920.9	1926.8	
									198.0	83.1			2382.7
31	670.0	569.7	D	2.0	330.5	333.9	333.9	276.6			2059.7	2074.3	
9	805.0	704.7	D	1.0	382.0	385.5							

SHOT CALCULATIONS : (cont)

Shot no.	Geophone depth Kelly	Datum	Shot Locn	Shot Depth	TIMES Record	Corr.	Avg.	Datum	Check shot interval distance	time	Velocities Average	RMS	Interval
									135.0	51.9			2601.2
30	805.0	704.7	D	2.0	382.5	386.0	385.8	328.5			2145.2	2166.1	
									75.0	27.7			2707.6
29	880.0	779.7	D	2.0	410.0	413.5	413.5	356.2			2188.9	2213.0	
									79.0	29.0			2724.1
28	959.0	858.7	D	2.0	439.0	442.5	442.5	385.2			2229.2	2255.5	
									66.0	23.0			2869.6
27	1025.0	924.7	D	2.0	462.0	465.5	465.5	408.2			2265.3	2294.5	
									109.0	39.0			2794.9
26	1134.0	1033.7	D	2.0	501.0	504.5	504.5	447.2			2311.5	2342.4	
									92.0	31.1			2958.2
25	1226.0	1125.7	D	2.0	532.0	535.6	535.6	478.3			2353.5	2387.2	
10	1285.5	1185.2	D	1.0	554.0	557.6			59.5	21.5			2767.4
24	1285.5	1185.2	D	2.0	553.0	556.6	557.1	499.8			2371.3	2404.8	
23	1295.0	1194.7	D	2.0	554.5	558.1 n/u							
									41.5	14.0			2964.3
22	1327.0	1226.7	D	2.0	567.5	571.1	571.1	513.8			2387.5	2421.8	
									66.5	19.5			3410.3
21	1393.5	1293.2	D	2.0	587.0	590.6	590.6	533.3			2424.9	2464.9	
11	1532.5	1432.2	D	1.0	630.0	633.6			139.0	42.5			3270.6
20	1532.5	1432.2	D	2.0	629.0	632.6	633.1	575.8			2487.3	2533.2	
									94.0	29.0			3241.4
19	1626.5	1526.2	D	2.0	658.5	662.1	662.1	604.8			2523.5	2571.6	
									138.5	41.5			3337.3
18	1765.0	1664.7	D	2.0	700.0	703.6	703.6	646.3			2575.7	2627.5	
									123.0	37.5			3280.0
17	1888.0	1787.7	D	2.0	737.5	741.1	741.1	683.8			2614.4	2667.4	

SHOT CALCULATIONS : (cont)

Shot no.	Geophone depth Kelly	Datum	Shot Locn	Shot Depth	TIMES Record	Corr.	Avg.	Datum	Check shot interval distance	time	Velocities Average	RMS	Interval
15	1990.0	1889.7	D	2.0	766.5	770.1			102.0	28.5			3578.9
16	1990.0	1889.7	D	2.0	765.5	769.1	769.6	712.3			2653.0	2709.8	

SECTION 7

CROCKER/RFS SUMMARY

ATTN: CRAIG
GREG

CULTUS PETROLEUM NL

RFT - PRESSURE TEST REPORT SHEET

WELL NAME: SCW-1	PERMIT: PPC-1	OBSERVER: R. HARRIS	DATE: 25/2/97

TEST NO	FILE NO	DEPTH mKB.	SEAT Y	SEAT N	HYDROSTATIC PRESSURE INITIAL psia	HYDROSTATIC PRESSURE FINAL psia	FORMATION PRESSURE (PSIA) QUARTZ GAUGE psia	FORMATION PRESSURE (PSIA) STRAIN GAUGE psia	PERMEABLE TIGHT	SAMPLE Y	SAMPLE N	FORMATION/REMARKS
CROCKER.												
1		1286.5	✓		2087.6	2088.4	1833.5		Tight		✓	~~[illegible]~~ PRESSURED
2		1287.0	✓		2089.1	2089.5	1730.5		GOOD 452mD		✓	Pumped @ 0.6cc/min dP = 36.5 psi. Rf = 0.43 [illegible]
3		1288.0	✓		2090.9	2091.1	1731.9		Good 227mD		✓	Q = 0.5cc/min dP = 60.6 k = 227 mD.
4		1290.0	✓		2094.1	2094.3	1734.7		Good		✓	No drawdown.
5		1294.7	✓		2101.6	2102.4	1768.7		Tight		✓	SUPERCHARGED
6		1294.9	✓		2102.2	2102.3	1749.0		V. Tight		✓	Press still increasing. S. Charged.
7		1309.0	✓		2124.9	2125.5	1780.8		Good BU		✓	STABILISED 5.4mD.
8		1311.0	✓		2128.5	2128.9	1820.0		V. Tight		✓	Still building.
9		1315.1	✓		2136.3	2135.7	1772.6		Tight BOOK.		✓	Stabilised BU. Drawdown 4.6 C [illegible]
10		1318.9			2141.7		1776.7		Good BU			Stab BU. 134 mD
BPB												
1	T1	1287.0	✓		2088.3	~~2088.5~~ [illegible]	1726.1	1729.7	Good BU		✓	STABILISED
2.	T2	1313.0	✓		2130.6	2131.4	1768.0	1769.2	Good BU.		✓	STABILISED 9:34 mins.
3	T3	1316.5	✓		2137.0	2137.0	1770.7	1772.1	GOOD BU		✓	STABILISED 2:00 mins.
4	T4	1318.9	✓		2141.0	2141.3.	1773.9	1775.6.	Ex BU		✓	STAB 10 sec.
5	T5	1324.5	✓		2150.4	2150.7	1782.3	1783.7	Good BU		✓	STAB 60 sec
6	T6	1531.0	✓		2484.4	2484.8	3C		No Perm.		✓	Abort
7	T7	1531.5	✓		2485.1	2485.7	17		No Perm		✓	Abort
8	T8	1530.2	✓		2483.6	2484.1	2125.8	2126.9	Tight: VALID		✓	Stab. 10 mins.
9	T9	1529.9	✓		2483.1	2483.5	16.		No Perm.		✓	Abort
10	T10.	1530.2	✓		2484.0	2484.9	2124.3	2124.9	Tight	✓		Still Building. Both chambers filled.

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ATTN: CHRIS GREG

CULTUS PETROLEUM NL

RFT - PRESSURE TEST REPORT SHEET

WELL NAME: SCW-1	PERMIT: PPL-1	OBSERVER: R. HARRIS	DATE: 25/2/97

TEST NO	FILE NO	DEPTH	SEAT Y	SEAT N	HYDROSTATIC PRESSURE INITIAL	HYDROSTATIC PRESSURE FINAL	FORMATION PRESSURE (PSIA) QUARTZ GAUGE	FORMATION PRESSURE (PSIA) STRAIN GAUGE	PERMEABLE TIGHT	SAMPLE Y	SAMPLE N	FORMATION/REMARKS
BPB-1		mKB			psia	psia	psia	psia				
11.	T11	1751.0	✓		2834.3	2842.8	2409.0	2411.3	Leaking		✓	Overpressure + bleedoff during B.U.
12.	T12.	1755.5	✓		2850.0	2860.3	2415.3	2416.9	Leaky		✓	Oscillating 2418-2415 psi.
13	T13	1766.5	✓		2866.7	2867.4	1981.4	1985.2	low k		✓	Building slowly. Extrapolate.
14	T14	1486.0	✓		2441.6	2412.1	291	—	V. TIGHT No k		✓	Abort.
15	T15	1491.8	✓		2421.5	2422.2	130.5	—	V. Tight No k.		✓	Abort.
16	T16	1424.8	✓		2314.3	2314.4	135.0	—	V. Tight No k.		✓	Abort
17	T17	1201.0	✓		1946.5	1944.3	112.0	—	No k.		✓	Abort
18	T18	1206.5			1955.6	1957.7	103	—	No k		✓	Abort

IS TOOL PLUGGED?

c:\brucel\working\Yormsle97-039..

CULTUS PETROLEUM

Skull Creek West-1

RFT fluid sample - results and discussion

ATTN: Victor Dauzacker/Greg Oneill/Craig Martin

RFT sample collected at 1530.2m. Initial draw down with tool about 200PSI indicating fair to good permeability. Higher depths indicated poorer permeability (see RFT data sheet). Sample was flowed to large sample chamber in tool, when filled the flow was diverted to the small sample chamber in order to obtain a cleaner sample for analysis. The large sample chamber was opened at the rig to determine fluid composition. This chamber was initially opened to a gas bomb to obtain a sample to be used as back-up in case of loss of the small sample chamber or contents (currently this gas bomb is being retained at the rig). The sample chamber then was opened and contained a small quantity of gas (a small balloon full) approximately 9 litres of water (analysis indefinite as to whether it was pure mud filtrate or contained a proportion of formation water), and approximately 0.4 litres of oil (light to medium gravity - insufficient volume for wellsite determination of gravity). The small sample chamber which should contain the most representative sample of formation fluid type was not opened. This small sample chamber and approximately half the recovered volume of oil and water recovered from the large sample chamber should arrive at Amdel Adelaide early today (0800hrs 26-2-97). Ric Jason has with him a mud sample which should be more representative of the filtrate invasion fluid than the sample sent with the chamber. Should results from the tests prove inconclusive this sample should be analysed also.

Formation discussion: Due to the almost impossibility of seeing gas on the electric logs in the Eumeralla, accurate definition for oil could only be considered as a figment of imagination. From logging across the show interval, the oil DID NOT extend below the hard band visible on the drill rate at 1530m (CF. 1531/1532m electric logs) The gas peak recorded on the drill rate charts was very sharp. From cuttings the interval above 1526m drill depth (1527m logs) was claystone with very tight sand laminae (caprock), with sand quality improving down to 1530m (drill depth). The sand 1526-1528 approximately appeared probably too tight for hydrocarbon accumulation. Hence the best of the show interval was at the base of the sand above 1530m (drill depth). This was underlain by a tight calcified band, below which was better quality sand which definitely displayed no oil fluorescence or associated gas response.
OIL/WATER CONTACT IS NOT DEEPER THAN 1530m (drillers depth).
Recommended open hole test interval: 1526-1531m (logs) 1525-1530m (driller)

I hope this may help you in the formulation of our future plans,

Regards, David

ATTN: GREG ONEILL

Samples sent to Amdel, Adelaide.

1: small pressurised sample chamber
2: small quantity of oil (large sample chamber)
3: 1 litre recovered water (large sample chamber)
4: 12 ml mud filtrate

Samples retained at rig:

1: gas bomb (pressurised) from initial opening of tool
2: approx 8 litres recovered water
3: small quantity of oil

Samples sent special trip via Nelson Transport and should arrive Amdel Adelaide by approx 0800hr this morning (26-2-97), other modes of transport would have taken over 24 hours from here.

ATTN: Greg Oneill

RFT sample at 1530.2m

Pour Point 13.5 degrees C.

SG = 0.885 at 23 degrees C

CULTUS PETROLEUM NL - RFT SAMPLE TEST REPORT

905298 180

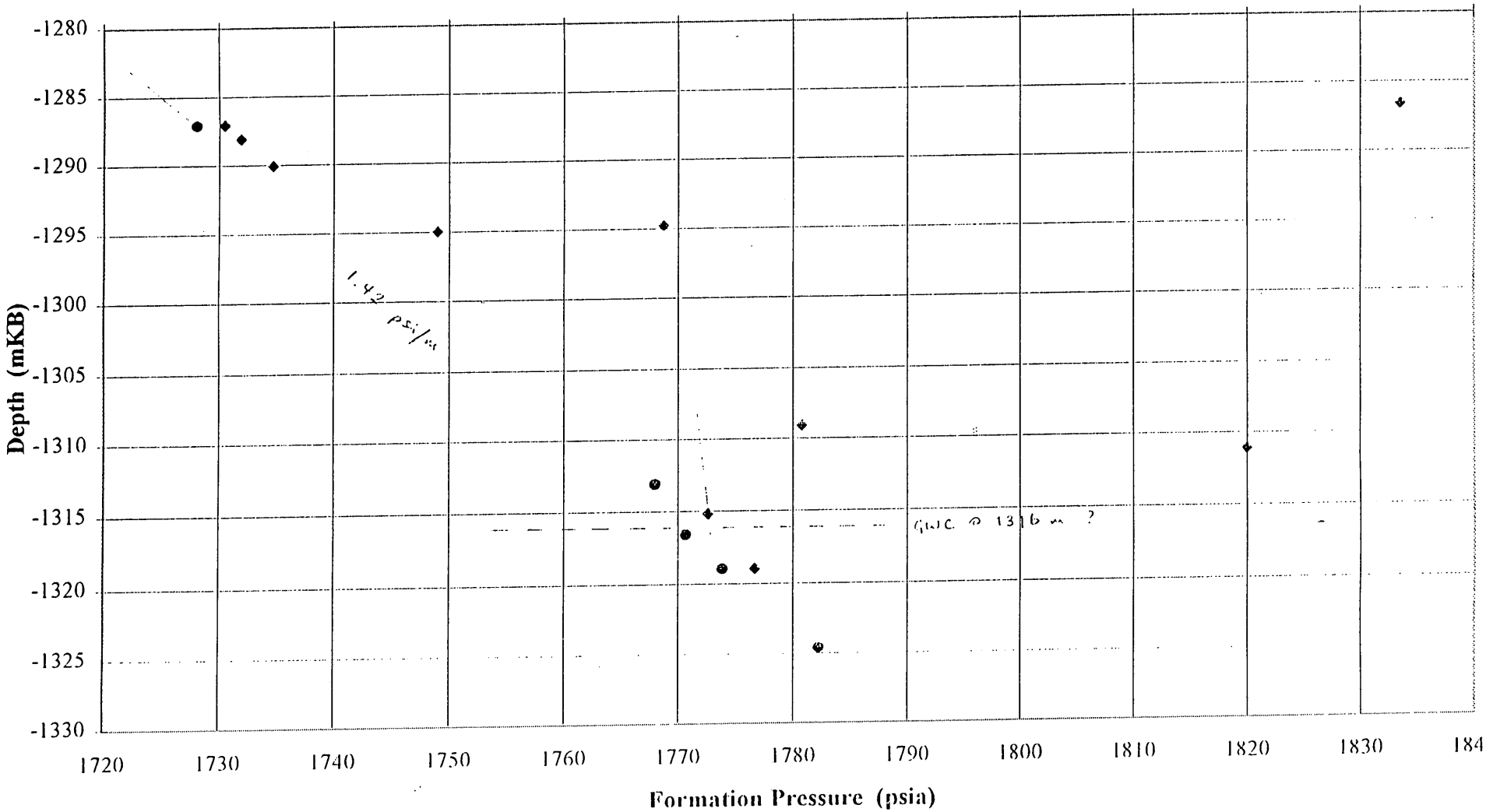
WELL: SCW-1 OBSERVER: R. HALLS DATE: 25-2-97 RUN NO: BPB-1

		CHAMBER 1 2.75gal. 10.4(Lit)		CHAMBER 2 1 gal. 3.8(L lit)	
	DEPTH	1530.2 m KB	m	1530.2 m KB	m
A	RECORDING TIMES				
	Tool Set	14:35	hrs	14:58	hrs
	Chamber Open	14:41	hrs	15:10	hrs
	Chamber Full	14:58	hrs	12	mins
	Fill Time	17	mins	15:15	hrs
	Finish Build Up	—	hrs	3.	mins
	Build Up Time	—	mins	15:15	hrs
	Tool Retract	—	hrs	40	mins
	Total Time	—	mins		
B	SAMPLE PRESSURE				
	Initial Hydrostatic	2484.0	psia/g	—	psia/g
	Initial Form'n Pres	2124.0	psia/g	—	psia/g
	Initial Flowing Pres	60 → 230	psia/g	100	psia/g
	Final Flowing Pres	~~235~~ 214	psia/g	450	psia/g
	Final Form'n Pres	1937	psia/g	2009.	psia/g
	Final Hydrostatic	—	psia/g	2484.9	psia/g
C	TEMPERATURE				
	Max Tool Depth	1766.5	m	1766.5	m
	Max Rec Temp	68	°C	68.	°C
	Length of Circ	1	hrs	1	hrs
	Time/Date Circ Stopped	0500 hrs 24 / 2 / 97		0800 hrs 24 / 2 / 97	
	Time since Circ	30:3 hrs / /		30:3 hrs / /	
D	SAMPLE RECOVERY		30		
	Surface Pressure	< 5.	psig		psig
	Amount Gas	negligible	4.5 cu ft		cu ft
	Amount Oil	0.400	~~0.005~~ L	~~0.0002~~ @ 15°C //	L
	Amount Water (Total)	~ 9.0	L		L
	Amount OPthers		L		L
E	SAMPLE PROPERTIES				
	Gas Composition				
	C1	45 %	ppm		ppm
	C2	35 %	ppm		ppm
	C3	13 %	ppm		ppm
	C4	7 %	ppm		ppm
	C5	—	ppm		ppm
	C6+	—	ppm		ppm
	CO2/H2S	NIL / NIL	%ppm		%ppm
	Oil Properties	— °API@ —	°C	°API@	°C
	Colour	BROWN			
	Fluorescence	bright pale yellow white			
	GOR	—			
	Pour Point				
	Water Properties				
	Resistivity	0.469. ohm-m@ 62.2 °C		ohm-m@	°C
	NaCl Equivalent	—	ppm		ppm
	Cl-titrated	9500	ppm		ppm
	Tritium/NO_3	—	DPM/ppm		DPM/ppm
	pH	7.0 SO_3^- 80			
	Estimated Water Type	Pf/mf 0 / 0.8 CA 880			
F	MUD FILTRATE PROP				
	Resistivity	ohm-m	°C	ohm-m	°C
	NaCl Equivalent		ppm		ppm
	Cl-titrated		ppm		ppm
	pH				
	Tritium/NO_3	— —	DPM/ppm		DPM/ppm
G	GENERAL CALIBRATION				
	Mud Weight		ppg		ppg
	Calc Hydrostatic		psi		psi
	Serial No (Preserved)				
	Choke Size/Probe Type				
	REMARKS			SENT COPIES - M. NELSON.	

BLUE - Crocker
RED - BPB

SKULL CREEK WEST-1 RFT SURVEY

Waarre Points Only

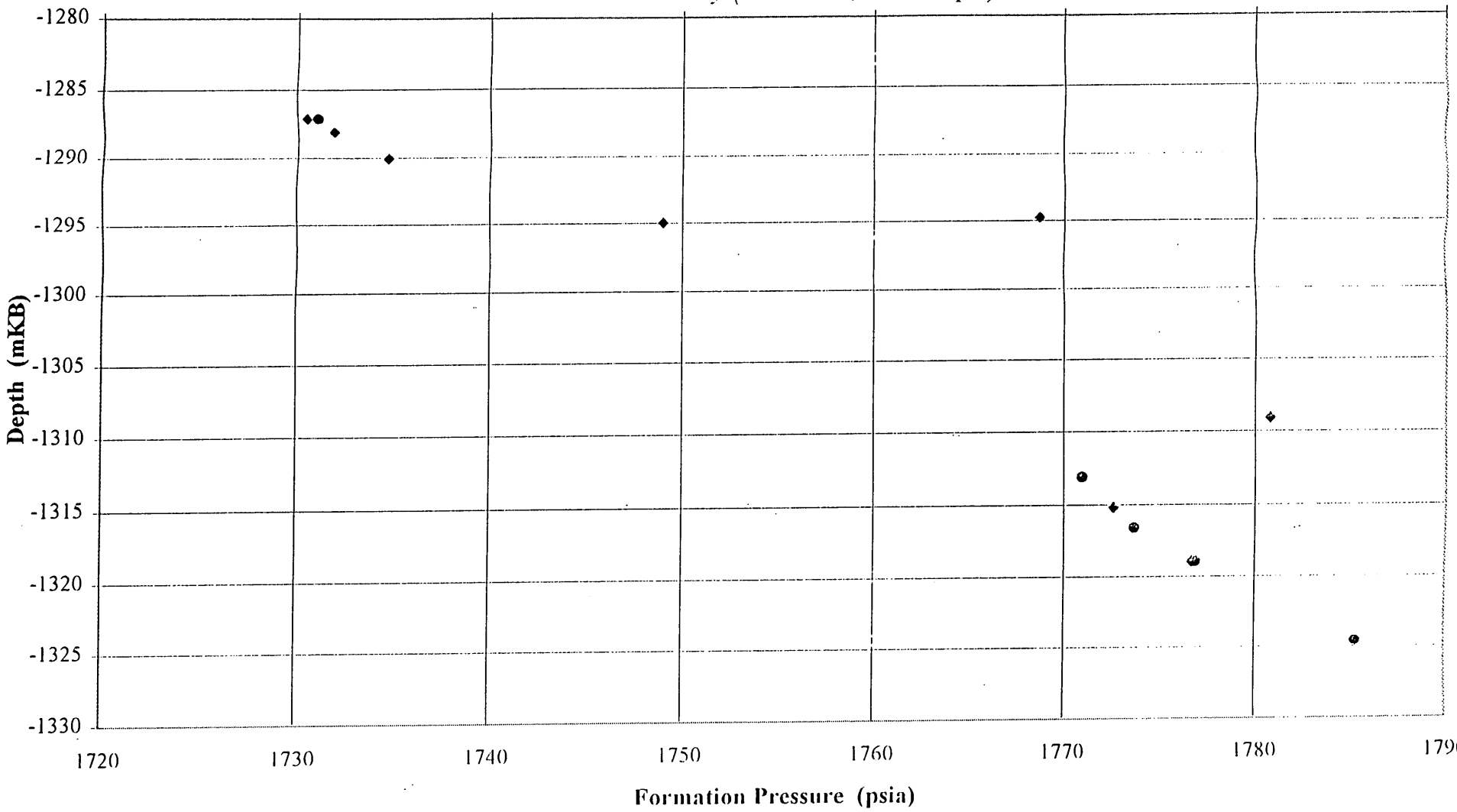


ami/c:excel/otway/scw_rft.xls/1

26/02/97 10:52 AM

SKULL CREEK WEST-1 RFT SURVEY

Waarre Points Only (corrected, BPB +3psi)



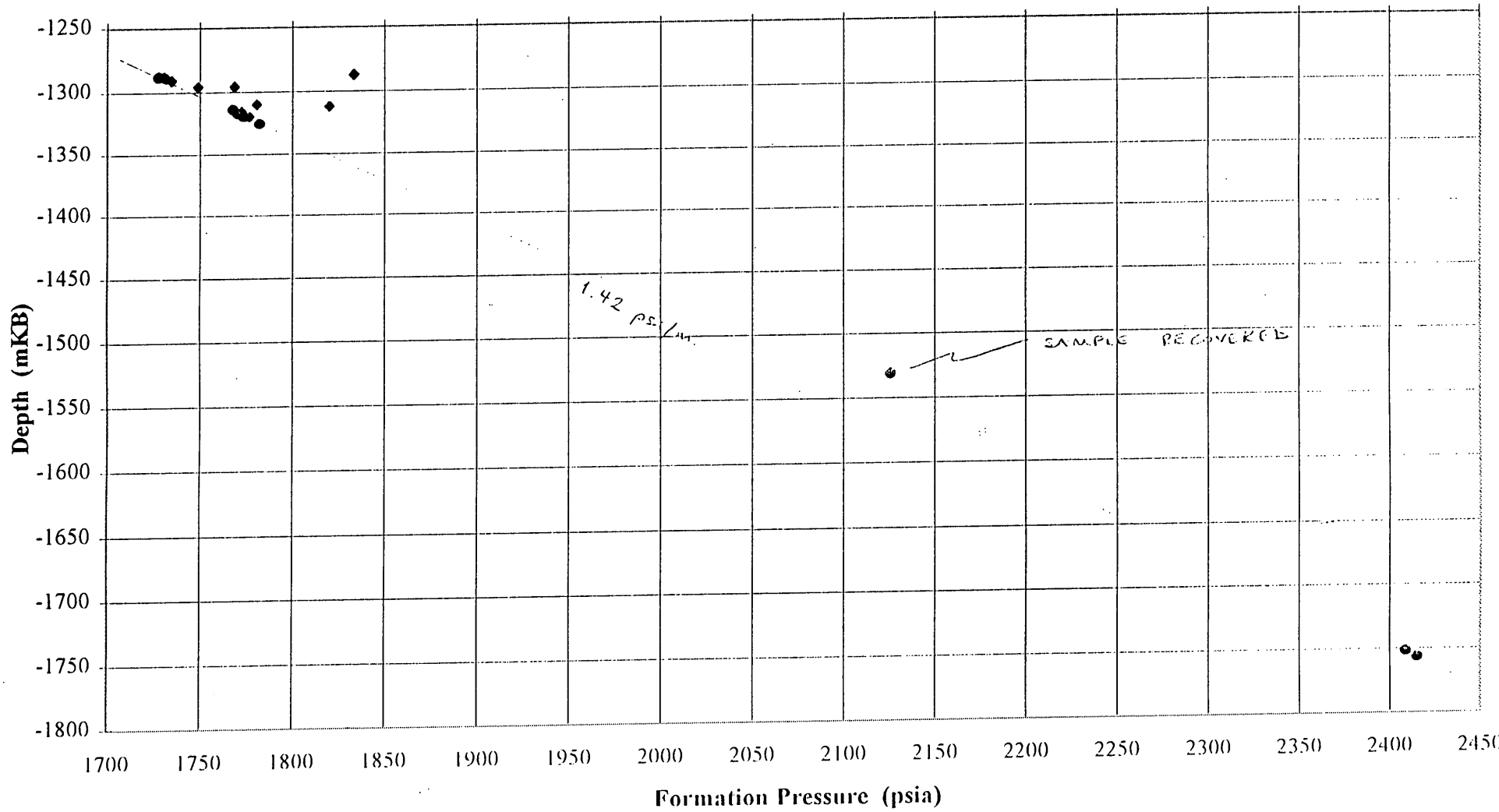
ami/c:excel/otway/scw_rft.xls/1

26/02/97 2:20 PM

BLUE - CROCKER
RED - BPB

SKULL CREEK WEST-1 RFT SURVEY

All Points



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SECTION 8

DRILL STEM TEST DATA

DST 1

SKULL CREEK WELL #1. 28/2/97.

OPERATIONS LOG 905298 187

DST #1 : 1527 - 1531 mKB

LAST CIRCULATION 05:00 26/2/97.

POOH. 09:00

LOG : SONIC/CHECKSHOT 12:30

PICK UP TEST TOOLS 00:00 27/2/97

RIH + SUP + CUT. 02:00

GR-CCL CORREL 06:45

HEAD UP TEST TOOLS 10:30

PRESS TEST HEAD, MAN, FLARE 11:00

SAFETY MEETING 11:40

SET PACKER 11:45 STRING WEIGHT - 95,000 lbs

~~BOOSTER~~ LIGHT TO MAIN TEST 12:08

TOOL OPEN 12:18.

SI on PRETEST 12:23. 1ST BUBBLE AT 12:23.

BLOW TO OPEN 12:53 ~~BOOSTER~~ BUBBLE CONTINUE IN SI PERIOD FOR 10-15 mins.

OPEN ON MAIN FLOW 13:02.

~~SI MAIN FLOW BUBBLE~~

SI to MANIFOLD, OPEN TO BUBBLE HOSE :

IMMEDIATE BUBBLES INCREASING TO BOTTOM OF BUCKET IN 3:30 MINS.

MODERATE FLOW AT BOTTOM OF BUCKET 10 mins → 180 mins

PRESSURE INCREASING TO 3.75 psi.

SHUT IN AT 16:04

MONITOR AT BUBBLE HOSE

PRESSURE REMAINS AT 3.75 psi FOR 45 MINS

THEN GRADUALLY DECREASES

1902 RELEASE PACKERS

STRING WEIGHT - 95,000 lbs

19:15 DROP BAR.

19:30 RECOVER OIL SAMPLES THROUGH BUBBLE HOSE

10 OIL SAMPLES + 1 WATER / MUD SAMPLE.

P 2 OF 2

905298 188

20:30	CIRCULATE DOWN DP TO CONDITION MUD
22:30	POOH
28/2/97 01:30	RECOVER GAUGES & SERVICE DST TOOLS. FOR DST # 2.
04:30	RIH FOR DST # 2

RHarris

FAX TO : COLTUS.

TO: CRAIG MARTIN
GREG O'NEIL

CC: DRILLING.
FROM: ROD HARRIS

RE: SCHO-1 DST #1 FLOW RATE

I HAVE REVIEWED THE RECOVERY GAUGE DATA AND BELIEVE THE PRESSURE AT THE END OF THE INITIAL FLOW IS 9 PSI NOT 28 PSI AS REPORTED EARLIER.

THE IMPLICATION OF THIS IS THAT MORE INFLOW OCCURRED DURING THE MAIN FLOW.

I HAVE RECALCULATED THIS FLOW

FINAL FLOW RATE = 16.3 BBL/D.

~~PLOTS~~
MECHANICAL CHARTS AND AUSTDOT SUMMARY SHEET ATTACHED.

Regards Rod

905298 190
28/2/97
R. HARRIS

FLUID RECOVERY

RECORDER ABOVE HYDRAULIC TOOL (1507.53 m KB)
INITIAL FLOW PRESSURE = ~~28~~ 9 psi
FINAL FLOW PRESSURE = 94 psi

SG OF RECOVERED SAMPLE = 0.789 ⇒ 0.342 psi/ft.
ASSUME RECOVERY IS ALL OIL. ⇒ API = 47.

INITIAL FLOW
FP = 28 psi
HEIGHT OF FLUID = 9 psi / 0.342 psi/ft = 26 ft ⇒ 7.92m.

FINAL FLOW
FP = 94 psi
HEIGHT OF FLUID = 94 psi / 0.342 psi/ft = 275 ft ⇒ 84 m.

~~DEPTH~~ :	PREFLOW DEPTH	FINAL FLOW DEPTH
RECORDER CARRIER.	1507.53 m	1507.53 m
	7.92 m	84.00
TOP OF RECOVERY	1499.61 m	1423.53 m.
STRING VOL ABOVE RECORDER.	0.07 bbl.	2.13 bbl.

TOTAL RECOVERY = 2.13 BBLS OIL.

PREFLOW RATE

$q = 1440 \text{ min/day} \times \frac{V_p \text{ (bbl)}}{t_f \text{ (min)}}$

$= \frac{1440 \times 0.07}{5}$

$= 20.2$ BBL/D.

FINAL FLOW RATE

$q = \frac{1440 \times (2.13 - 0.07)}{182}$

$= 16.3$ BBL/D.

* NOTE: MOST VALID RATE TO REPORT IS 16.3 BBL/D

IF ALL PREFLOW RECORDED PRESSURE DUE TO MUD HYDROSTATIC THEN MAX FINAL FLOW RATE = 16.3 BOPD.

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COMPANY Cultus Petroleum NL STATE VIC DATE 27-2-97

Well Name Skull Creek West #1 KB Elv. 100.3 m ft. Ticket No 2598 DST No ONE

Well Location Onshore Otway Basin PPL 1 GR Elv. 96 m ft. Formation Eumeralla Sst

Interval 1527 - 1531 m T.D. 2000m ft. Net Pay ft. Type of Test INFLATE

API Gravity W.S. Average Porosity STRADDLE

RECORDER DATA

Mins.

PF Rec.#	13831	#13830	# 522	# 526	# 3077
SI Range	3825 lbs.	3850	5000	5000	4250
SF Clock	24 hrs.	24	BATT	BATT	24
FS Depth	1507.8 HM	1515.5	1518.6	1520.4	1528.8
A. Init. Hyd.		PSI 2459	PSI 2451	PSI 2451	PSI 2483
B. First Flow			35	41	
B1 Final Flow		66	35	41	77
C. In. Shut-In	9	1661	1621	1651	1667
D. Init. Flow		85	95	94	88
E. Final Flow		132	114	121	132
F. Fl. Shut-in	94	1824	1833	1831	1848
G. Final Hyd.		2449	2448	2444	2473
Inside/Outside	ABOVE	(IN)	(IN)	(IN)	(OUT)

RECOVERY

Total Fluid ft. of ft. in D.C. and ft. in D.P.

2 bbls ft. of OIL

½ bbl ft. of MUDDY WATER

ft. of

ft. of

GAS RECOVERY MEASURED WITH

	Time Mins.	Orifice inches	Pressure PSI	H_2O inches	Rate mcf/d
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

SURFACE CHOKE SIZE:

BLOW DESCRIPTION 1st FLOW: OPENED WITH NIL AIR BLOW AND VERY WEAK AIR BLOW AFTER 5MINS

TIME DATA

PF Fr. 1218 to 1223 hr.

IS Fr. 1223 to 1302 hr.

SF Fr. 1302 to 1604 hr.

FS Fr. 1604 to 1904 hr.

T. STARTED 0000 hr.

T. ON BOTM. 0650 hr.

T. OPEN 1218 hr.

T. PULLED 1904 hr.

T. OUT hr.

TOOL DATA

Tool Wt. lbs.

Wt. Set on Packer 35.000 lbs.

Wt. Pulled Loose 15.000 lbs.

Initial Str. Wt. 95.000 lbs.

Unseated Str. Wt. 95.000 lbs.

Bot. Choke 3/4 in.

Hole Size 8½ in.

D. Col. I.D. 2 13/16 in.

D. Pipe I.D. 3.826 in.

D.C. Leng. 140.51 m ft.

D.P. Leng. 1288.68 m ft.

HWDP 83.86 m

MUD DATA

Mud type KCL PHPA

Weight 9.2

Vis. 50

W.L. 6.5

F.C. 1 in.

Mud Drop

GENERAL DATA

Amt. of fill ft.

Btm. H. Temp. 140.1 °F

Hole Cond. GOOD

Packer Size 6⅝ x 6¾ in.

No. of Packers 2

Cushion Amt. — ft.

Cushion Type —

Reversed Out YES

Tool Chased NO.

Tester I. SILVESTER - D. REARDON

Co. Rep. A. BRADLEY

Contractor DD&E

Rig No. 30.

905298 192

SURFACE CHOKE SIZE: _____

Packer Size 66 x 6 3/4
No. of Packers 2
Cushion Amt. —
Cushion Type —
Reversed Out YES
Tool Chased NO.
Tester J. SILVESTER - D. KEARDON
Co. Rep. A. BRADLEY
Contractor DD & E
Rig No. 30.

BLOW DESCRIPTION 1st FLOW: OPENED WITH NIL AIR BLOW AND VERY WEAK AIR BLOW AFTER 5MINS

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BLOW DESCRIPTION 2nd FLOW: NIL AIR BLOW INCREASING TO MODERATE AFTER 2MINS AND BOTTOM OF BUCKET AFTER 3½MINS.

REMARKS: INCREASED TO 3¾ PSI THRU BUBBLE HOSE (⅛" CHOKE) BY END OF FLOW

	LENGTH
TOTAL TOOL TO BOTTOM TOP PACKERS	20.48.
INTERVAL TOOL	4.05
Bottom Packer & Anchor	4.09.
TOTAL TOOL	28.62
DRILL COLLAR ANCHOR IN INTERVAL	
DRILL COLLARS ABOVE TOOLS Stands ____ Total	140.51
DRILL PIPE ABOVE TOOLS Stands ____ Total	1288.68
H. W. PIPE ABOVE TOOLS Stands ____ Total	83.86
OTHER ABOVE TOOL Total	
TOTAL DRILL COLLARS DRILL PIPE AND TOOLS	1533.53.
TOTAL DEPTH	1527.
TOTAL DRILL PIPE ABOVE K.B.	6.53m

REMARKS:
APPROX 80 bbls OF DRILLING FLUID WAS LOST DURING THE DURATION OF THE TEST.
APPROX 60 bbls WAS PUMPED OUT THE FLARE LINE AND THE REMAINING 20 bbls WAS LOST TO THE FORMATION.

THE SAMPLE CHAMBER WAS SENT TO AMDEL IN ADELAIDE TO BE EMPTIED.

	LENGT
BO SUB	
P.O. SUB	
C.O. SUB	
SHUT-IN TOOL	
HMV	
JARS	
SAFETY JOINT	
PACKER	
PACKER	
DEPTH	
STUBB	
ANCHOR	
BULLNOSE	
T.D.	

ustralian DST Co. Pty. Ltd.
Box 619, Roma, Queensland 4455

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FIELD REPORT

TEST TOOL - INFLATE

COMPANY NAME : CULTUS PETROLEUM NL
WELL NAME : SKULL CREEK WEST #1
LOCATION : ONSHORE OTWAY BASIN PPL1
TESTED INTERVAL : 1527 - 1531.

TICKET #
D.S.T.# ONE
FORMATION EUMERALLA
DATE 26-2-97

TOTAL TOOL TO BOTTOM OF TOP PACKER *	20.48
TOOL & DRILL COLLAR IN INTERVAL	4.05
BOTTOM PACKER AND ANCHOR	4.09
TOTAL TOOL	28.62
TOTAL TOOL TO BOTTOM OF TOP PACKER *	20.48
D.C. ABOVE TOOLS (5) STANDS ( ) SINGLES	140.51
D.P. ABOVE TOOLS (45) STANDS (1) SINGLES	1288.68
HW ABOVE TOOLS (3) STANDS ( ) SINGLES	83.86
OTHER ABOVE TOOL ( )	
TOTAL DRILL COLLARS, DRILL PIPE & TOOLS	1533.53
TOTAL DEPTH TO BOTTOM OF TOP PACKER	1527.
TOTAL STICK-UP ABOVE K.B.	6.53m

PIPE TALLY

DRILL COLLAR JOINT	LENGTH	DRILL PIPE JOINT	LENGTH				
1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10	HWDP	10		10	
Total 1	140.51	Total 2	83.86	Total 3		Total 4	

1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
Total 5		Total 6		Total 7		Total 8	

1		1		1		DC 1	
2		2		2		DP 2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
Total 9		Total 10		Total 11		11 TOTAL	

BO SUB	.41
PO SUB	.30
CO SUB	.30
Fluid Rec.	1.53
HYDRAULIC TOOL	1.61
SAMPLER	1.20
SQUEEZEE VALVE	1.17
JARS	2.18
~~EMP #~~ REC.	1.53
REC #EMP.	1.83
EMP #	1.83
SAFETY JOINT	1.64
INFLATE PUMP	.86
SCREEN	1.35
DEFLATE	1.02
BYPASS PORT	
INFLATE PACKER	1.74
DEPTH 1527 m	
FLOW PORTS	.80
REC.#	2.04
SPACING	.61
XOS	
DRILL COLLARS	
XOS	
T. COLLAR	.60
DEPTH 1531.05 m	
INFLATE PACKER	1.71
REC #	
DRAGSPRING	2.38

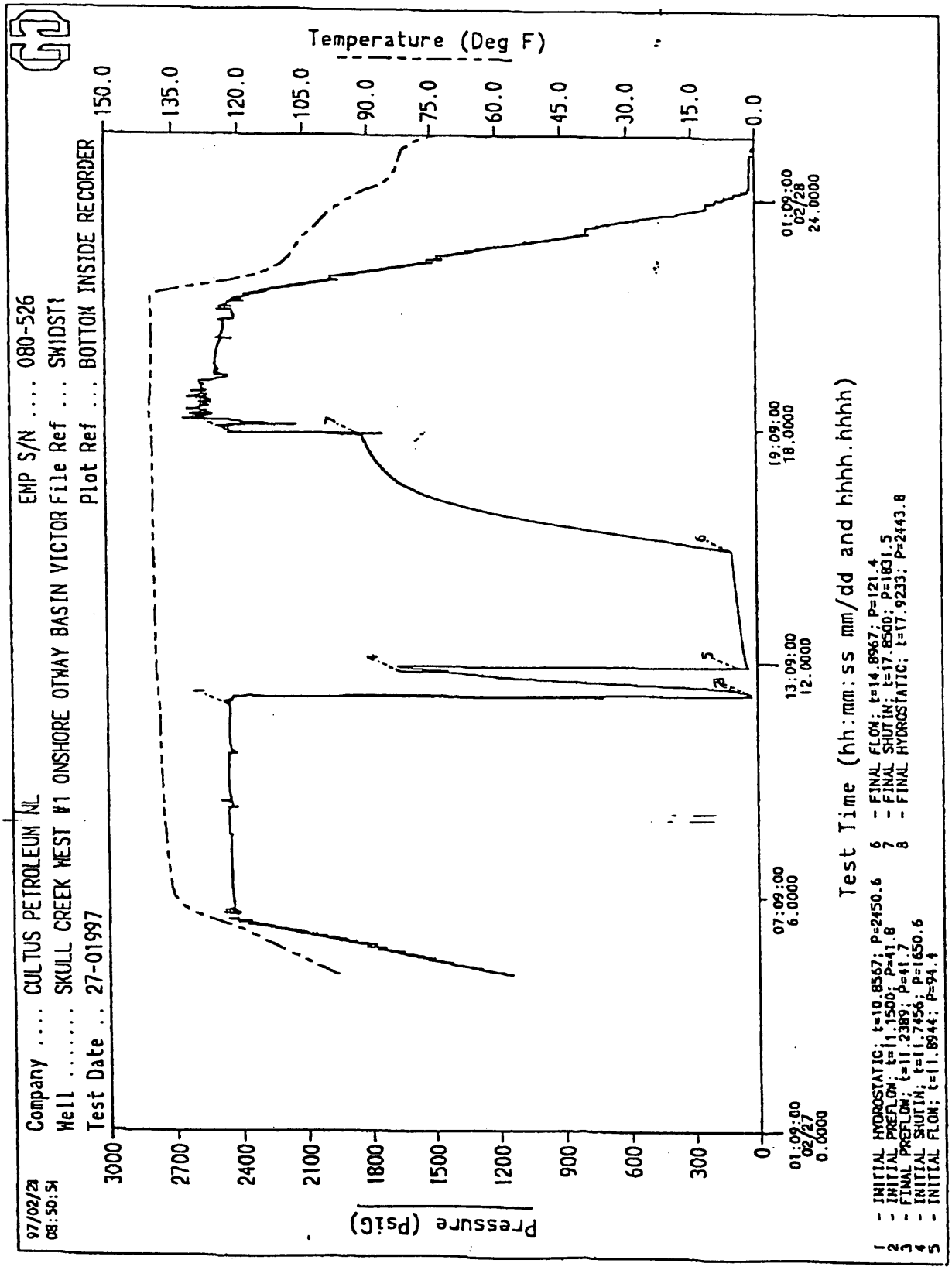
CULTUS PETROLEUM

WELL NAME: SKULL CREEK WEST #1 **DST : #1** **DATE: 26/02/1997**

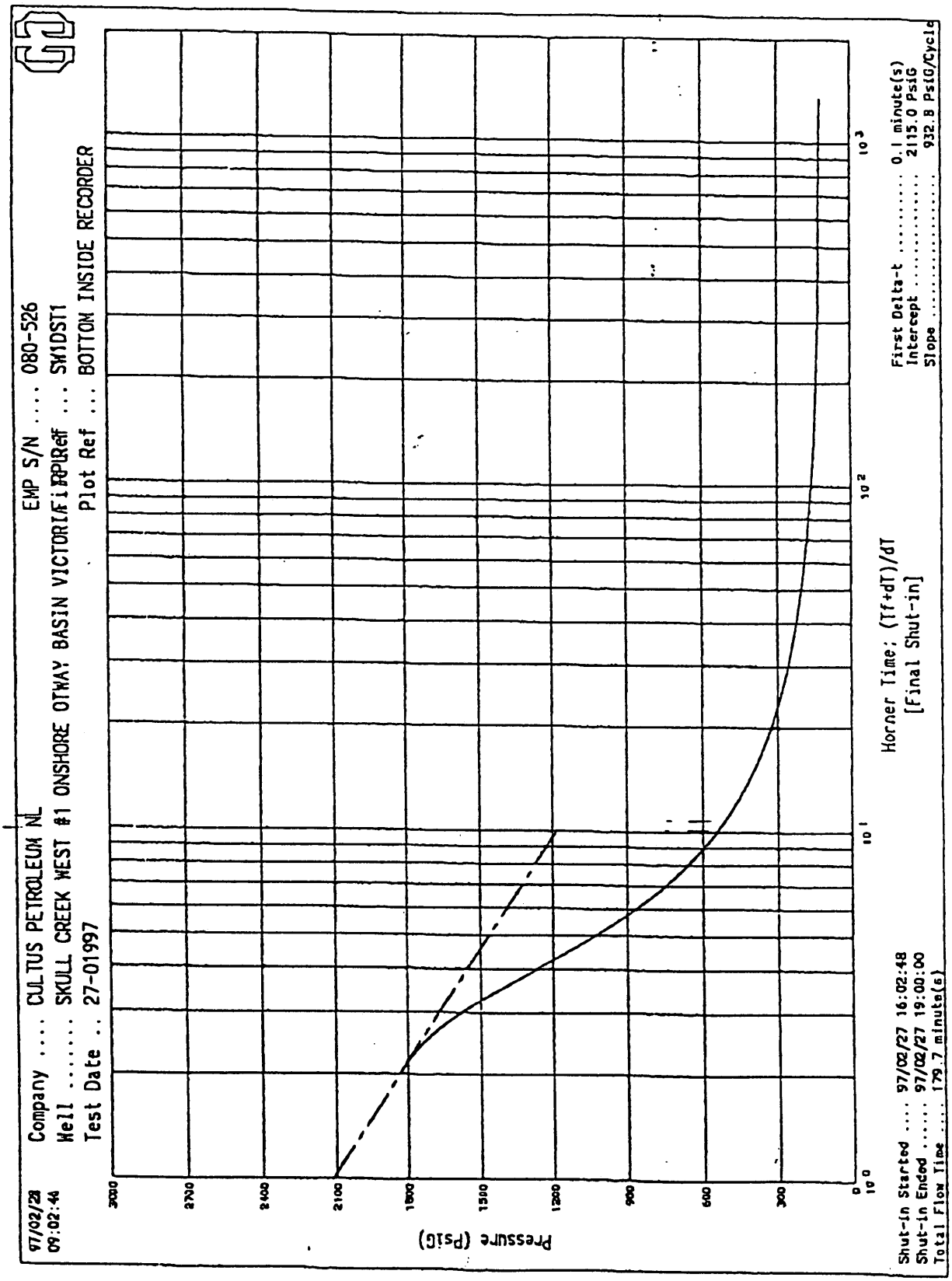
FORMATION: **TESTER** J. SILVESTER
D. REARDON

TOTAL TOOL TO BTM OF TOP PACKER	20.48		
TOOL & DRILL COLLARS IN INTERVAL	4.05		
BOTTOM PACKER & ANCHOR	4.09		
TOTAL TOOL	**28.62**		
TOTAL TOOL TO BTM OF TOP PACKEF	**20.48**		
STICK UP	**-6.53**		
DRILL PIPE	1288.68	-6.53	45 STDS + SGL
HEAVY WEIGHT DRILL PIPE	83.86	1282.15	
DRILL COLLARS	121.76	1366.01	4 STDS + SGL
PUMP OUT SUB	0.41	1487.77	
DRILL COLLAR	9.38	1488.18	1 DRILL COLLAR
DROP BAR SUB	0.3	1497.56	
DRILL COLLAR	9.37	1497.86	1 DRILL COLLAR
CROSS OVER	0.3	1507.23	
RECORDER CARRIER	1.53	1507.53	
HYDRAULIC TOOL	1.61	1509.06	
SAMPLER	1.2	1510.67	
SQUEEZE RELIEF VALVE	1.17	1511.87	
JARS	2.18	1513.04	
RECORDER CARRIER	1.53	1515.22	
RECORDER CARRIER EMP	1.83	1516.75	
RECORDER CARRIER EMP	1.83	1518.58	
SAFETY JOINT	1.64	1520.41	
INFLATE PUMP	0.86	1522.05	
SCREEN	1.33	1522.91	
DEFLATE	1.02	1524.24	
PACKER	1.74	1525.26	
DEPTH	**1527**		
FLOW PORTS	0.8	1527	
RECORDER CARRIER	2.04	1527.8	
SPACING	0.61	1529.84	
STICK UP	0.6	1530.45	
DEPTH	**1531.05**	1531.05	
PACKER	1.71		
DRAGSPRING	2.38		

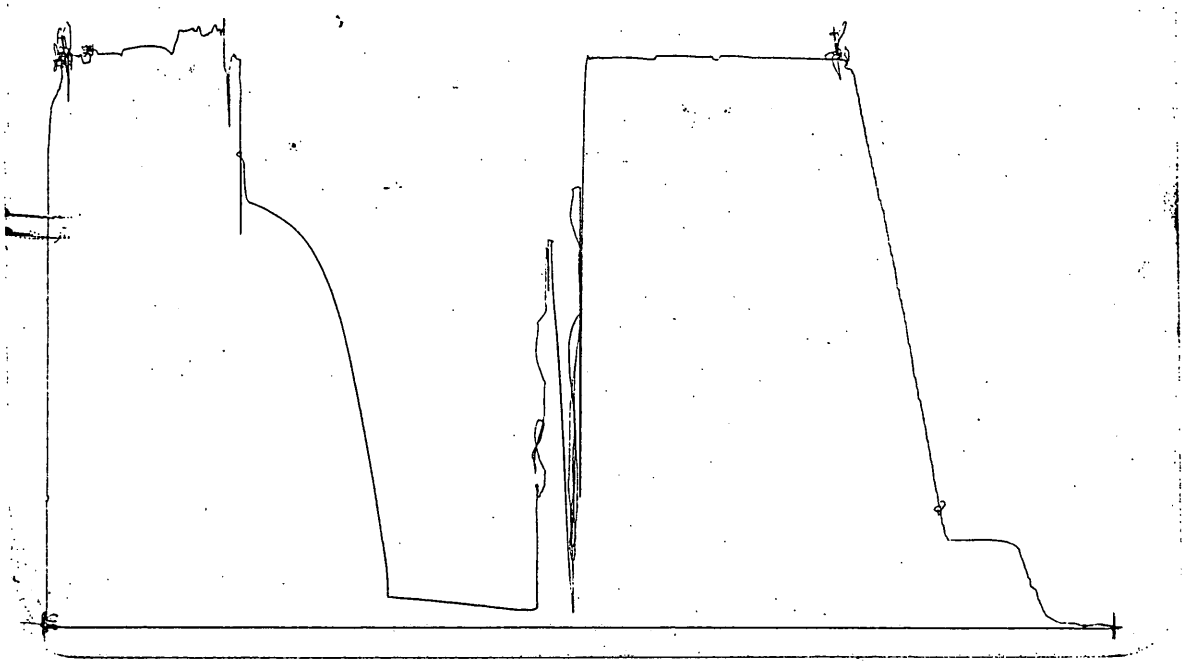
905298 195


Temperature (Deg F)
150.0
135.0
120.0
105.0
90.0
75.0
60.0
45.0
30.0
15.0
0.0
Pressure (psiG)
3000
2700
2400
2100
1800
1500
1200
900
600
300
0
97/02/28
08:50:54
Company .... CULTUS PETROLEUM NL
Well ..... SKULL CREEK WEST #1 ONSHORE OTWAY BASIN VICTOR File Ref ... SWIDST1
Test Date ... 27-01997
EMP S/N 080-526
Plot Ref .... BOTTOM INSIDE RECORDER
01:09:00 02/27 0.0000
07:09:00 6.0000
13:09:00 12.0000
19:09:00 18.0000
01:09:00 02/28 24.0000
Test Time (hh:mm:ss mm/dd and hhhh.hhhh)
1 - INITIAL HYDROSTATIC; t=10.8567; P=2450.6
2 - INITIAL PREFLOW; t=11.1500; P=41.8
3 - FINAL PREFLOW; t=11.2389; P=41.7
4 - INITIAL SHUTIN; t=11.7456; P=1650.6
5 - INITIAL FLOW; t=11.8944; P=94.4
6 - FINAL FLOW; t=14.8967; P=121.4
7 - FINAL SHUTIN; t=17.8500; P=1831.5
8 - FINAL HYDROSTATIC; t=17.9233; P=2443.8

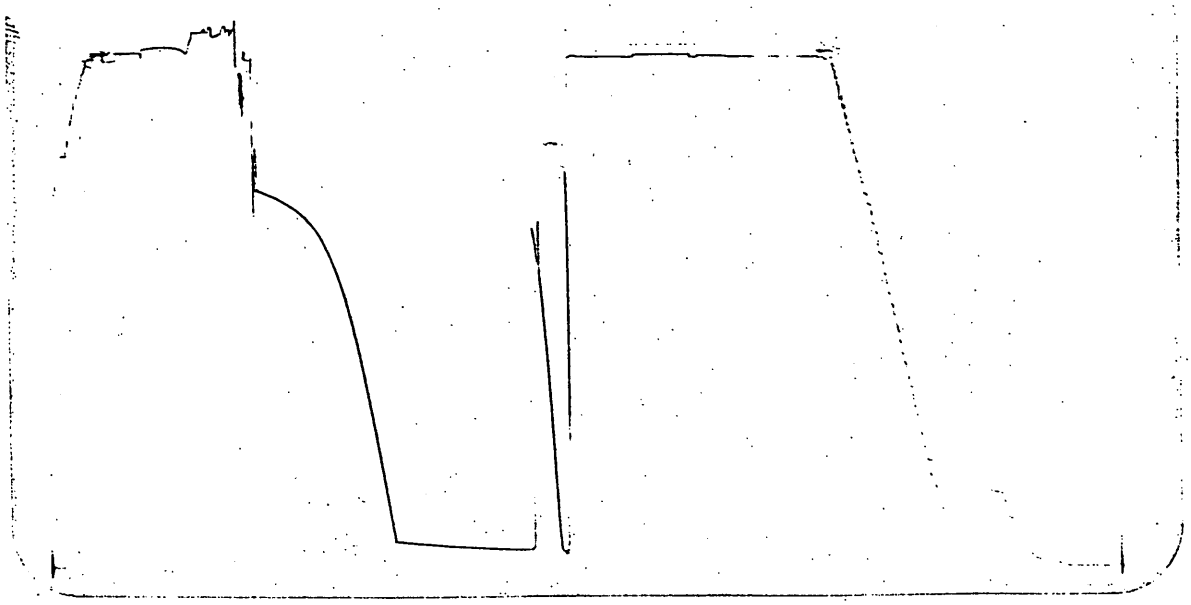
905298 196

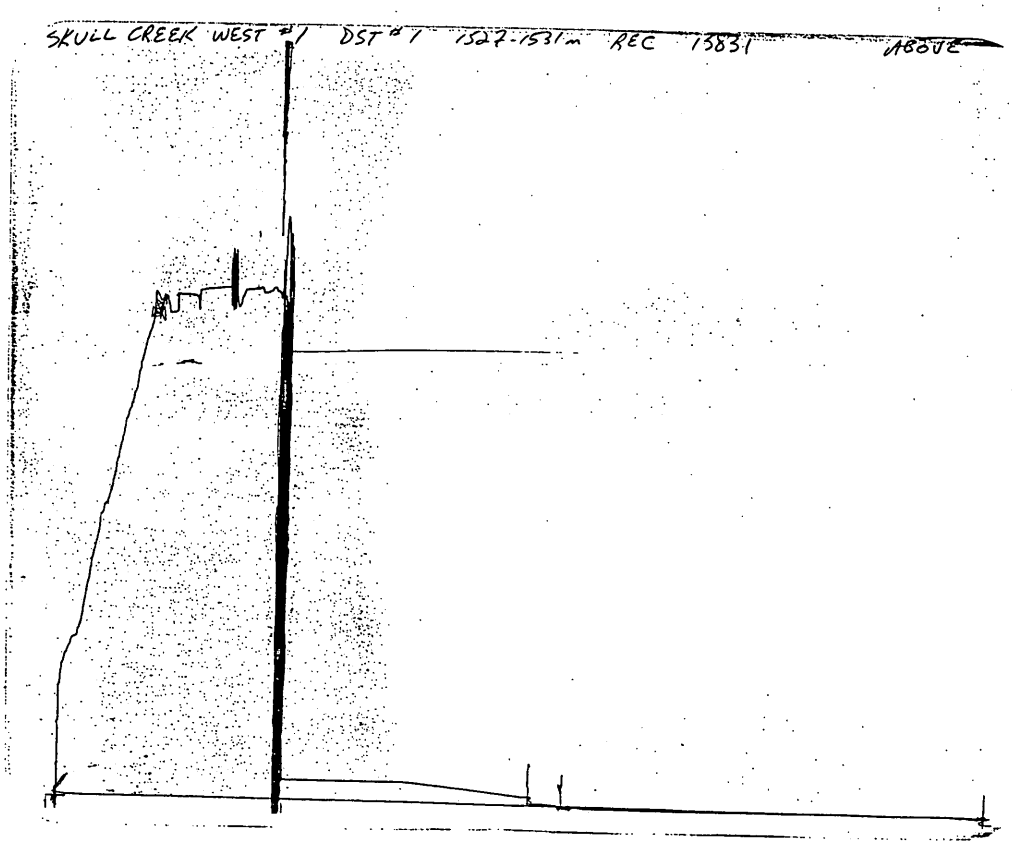

97/02/28
09:02:44
Company .... CULTUS PETROLEUM NL
Well ..... SKULL CREEK WEST #1 ONSHORE OTWAY BASIN VICTORIA
Test Date .. 27-01997
EMP S/N 080-526
RPIRef SW1DST1
Plot Ref ... BOTTOM INSIDE RECORDER
Pressure (PsiG)
3000
2700
2400
2100
1800
1500
1200
900
600
300
0
10^0
10^1
10^2
10^3
Horner Time: (Tf+dT)/dT
[Final Shut-in]
First Delta-t ..... 0.1 minute(s)
Intercept ..... 2115.0 PsiG
Slope ..... 932.8 PsiG/Cycle
Shut-in Started 97/02/27 16:02:48
Shut-in Ended 97/02/27 19:00:00
Total Flow Time ..... 179.7 minute(s)

SKULL CREEK WEST #1 DST #1 1527-1531m REC 13830 INSIDE



SKULL CREEK WEST #1 DST #1 1527-1531m REC 3077 OUTSIDE




SKULL CREEK WEST #1 DST #1 1527-1531m REC 1383l ABOVE

SAMPLING DATA

CUSTOMER:
WELL NAME: SKULL CREEK DST-1
TEST TYPE: OPEN HOLE DST #1

PERFORATIONS: INTERVAL 1527 - 1531 mKB
FORMATIONS: EUMERALLA
PAGE: 1 OF 4
DATE: 27/2/97
OPR:

SAMPLE # 1

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	~~CYLINDER~~ VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	~~CYLINDER~~ INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:30		1 GAL	OIL	3	AIR			BUBBLE HOSE	—	—	—	—

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD ~~m^3/D~~	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—	—					/	47	—	—11.8	—			

REMARKS:

SAMPLE # 2

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:33		1 GAL	OIL	3	—	—	—	BUBBLE HOSE				

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD ~~m^3/D~~	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
							/	47	/	11.8				

REMARKS:

SAMPLE # 3

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:36		1 GAL	OIL	2	—	—	—	BUBBLE HOSE	—	—	—	—

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD ~~m^3/D~~	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
							—	47	/	11.8				

REMARKS:

LEGEND	WHITE: ORIGINAL	PINK: OFFICE COPY

SAMPLING DATA

CUSTOMER:
WELL NAME: SKULL CREEK SOUTH - 1
TEST TYPE: OH DST #1
PERFORATIONS: INTERVAL 1527 - 1531 mKB
FORMATIONS: EUMERALLA
PAGE: 2 OF 4
DATE: 27/2/97
OPR:

SAMPLE # 4

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:37		1 GAL	OIL	2				BUBBLER HOSE	—	—	✓	✓

WELLHEAD DATA: TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR DATA: SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GRAVITIES: GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	FLOW RATES: GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D	RATIOS	BOTTOM HOLE: PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—	—	—	—	—	—	—	47	—	11.8				

REMARKS:

SAMPLE # 5

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:40		1 GAL	OIL	3				BUBBLER HOSE	—	—	✓	✓

WELLHEAD DATA: TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR DATA: SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GRAVITIES: GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	FLOW RATES: GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D	RATIOS	BOTTOM HOLE: PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—	—	—	—	—	—	—	47	—	11.8				

REMARKS:

SAMPLE # 6

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:43		1 GAL	OIL	3				BUBBLER HOSE	—	—	✓	✓

WELLHEAD DATA: TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR DATA: SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GRAVITIES: GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	FLOW RATES: GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D	RATIOS	BOTTOM HOLE: PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—	—	—	—	—	—	—	47	—	11.8		—		

REMARKS:

LEGEND	WHITE: ORIGINAL	PINK: OFFICE COPY

SAMPLING DATA

CUSTOMER:
WELL NAME: SKULL CREEK WEST — 1
TEST TYPE: Oil DST #1
PERFORATIONS: Wireline 1927 — 1931 mKB
FORMATIONS: LOWER KALLA
PAGE: 3 OF 4
DATE: 27/2/97
OPR:

SAMPLE # 7

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:46		TIN CAL	OIL	3				BUBBLE HOSE	—	—	✓	✓

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—			—	—	—	✓	HS 47	✓	11.8		—	2124	

REMARKS:

SAMPLE # 8

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:49		PLASTIC 5L	OIL	6	—	—	—	BUBBLE HOSE	—	→	✓	✓

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD ~~m^3/D~~	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—			—	—	—		47		11.8		—	2126	

REMARKS:

SAMPLE # 9

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
19:54		PLASTIC 5L	OIL	6	—	—	—	BUBBLE HOSE	—	—	✓	✓

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—	—			—	—	—	—	47	—	11.8	—		2124	

REMARKS:

LEGEND	WHITE: ORIGINAL	PINK: OFFICE COPY

SAMPLING DATA

CUSTOMER:
WELL NAME: SKUA CREEK WEST-1
TEST TYPE: ON DST #1
PERFORATIONS: INTERVAL 1927 - 1931 mKB
FORMATIONS: EUMURALLA
PAGE: 4 OF 4
DATE: 27/2/97
OPR:

SAMPLE # 10

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
12:00		5C	OIL	6	—	—	—	BUBBLE HOSE	—	—	✓	✓

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—							—	47	—	11.8	—	—	2124	

REMARKS:

SAMPLE # 11

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
18:06		2C	WATER MUD	6				BUBBLE HOSE	—	—	✓	✓

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
—							—	—	—	—	MSG.	—	2124	

REMARKS:

SAMPLE

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)

REMARKS:

LEGEND	WHITE: ORIGINAL	PINK: OFFICE COPY

DST 2

SECTION 9

SAMPLE ANALYSIS

905298 206

COMPANY Cultus Petroleum NL STATE Vic DATE 28-2-97

Well Name Skull Creek West #1 KB Elv. 100.3 m ~~ft~~. Ticket No. 2599 DST No. TWO

Well Location Onshore Otway Basin Victoria PPL1 GR Elv. 96 m ~~ft~~. Formation

Interval 1311 - 1315 m T.D. 2000 m ~~ft~~. Net Pay ft. Type of Test Inflate

API Gravity W.S. Average Porosity Straddle

RECORDER DATA

Mins.

		#13830	#522	#526	#3077
PF Rec.#	13831				
SI Range	3825 lbs.	3850	5000	5000	4250
SF Clock	24 hrs.	24	Batt	Batt	24
FS Depth	~~ft~~ m				
		PSI	PSI	PSI	PSI
A. Init. Hyd.		2121	2124.7	2122.1	
B. First Flow			38.3	301.1	
B1 Final Flow		151	136.5	139.1	
C. In. Shut-In	103	1680	1688.2	1687.8	
D. Init. Flow		255	248.9	242.9	
E. Final Flow		604	591.9	596.6	
F. Fl. Shut-in	564	1671	1667.6	1666.1	
G. Final Hyd.		2092	2109.1	2110.6	
Inside/Outside	Above	(IN)	(IN)	(IN)	(Out)

TIME DATA

PF Fr.	1552	to 1556	hr.
IS Fr.	1556	to 1638	hr.
SF Fr.	1638	to 1840	hr.
FS Fr.	1840	to 2043	hr.

T. STARTED hr.
T. ON BOTM. 0650 hr.
T. OPEN 1552 hr.
T. PULLED 2043 hr.
T. OUT hr.

TOOL DATA

Tool Wt. lbs.
Wt. Set on Packer 35.000 lbs.
Wt. Pulled Loose lbs.
Initial Str. Wt. 88,000 lbs.
Unseated Str. Wt. 88,000 lbs.
Bot. Choke 3/4 in.
Hole Size 8 1/2 in.
D. Col. I.D. 2 13/16 in.
D. Pipe I.D. 3.826 in.
D.C. Leng. 140.51 m ~~ft~~.
D.P. Leng. 1070.04 m ~~ft~~.
HWDP 83.86

RECOVERY

Total Fluid ft. of ft. in D.C. and ft. in D.P.

17-266/s ft. of Water & Muddy Water

ft. of

ft. of

ft. of

GAS RECOVERY MEASURED WITH

	Time Mins.	Orifice inches	Pressure PSI	H_2O inches	Rate mcf/d
1.	15	1/8	2		
2.	30	"	5		
3.	45	"	6		
4.	60	"	6		
5.	75	"	6		
6.	77	1/4	6		
7.	90	1/4	0		
8.	105	1/8	0		
9.	120	1/8	0		
10.					

SURFACE CHOKE SIZE: 1/8 - 1/4

MUD DATA

Mud type KCL PHPA
Weight
Vis.
W.L.
F.C. in.
Mud Drop

GENERAL DATA

Amt. of fill ft.
Btm. H. Temp. 131.12 °F
Hole Cond.
Packer Size 6 6x6 3/4 in.
No. of Packers 2
Cushion Amt. - ft.
Cushion Type -
Reversed Out YES
Tool Chased NO
Tester T. Silvester & D. Reardon
Co. Rep. A. Bradley
Contractor OD&E
Rig No. 30.

FLOW DESCRIPTION 1st FLOW: W.A.B Increasing To Strong In 30 secs Building To 7 PSI At End Of Flow Thru 1/8" Choke N.G.T.S.

FLOW DESCRIPTION 2nd FLOW: W.A.B Increasing To Mod In Bottom

SURFACE CHOKE SIZE: 18 & 4

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No. of Packers 2
Cushion Amt. — ft.
Cushion Type —
Reversed Out YES
Tool Chased NO
Tester J. SILVESTER & D. REARDON
Co. Rep. A. BRADLEY
Contractor OD&E
Rig No. 30.

BLOW DESCRIPTION 1st FLOW: W.A.B INCREASING TO STRONG IN 30 SECS BUILDING TO 7 PSI AT END OF FLOW THRU ½" CHOKE N.G.T.S.

BLOW DESCRIPTION 2nd FLOW: W.A.B INCREASING TO MOD IN BOTTOM OF BUCKET IN 2 MINS GTS 7 MINS

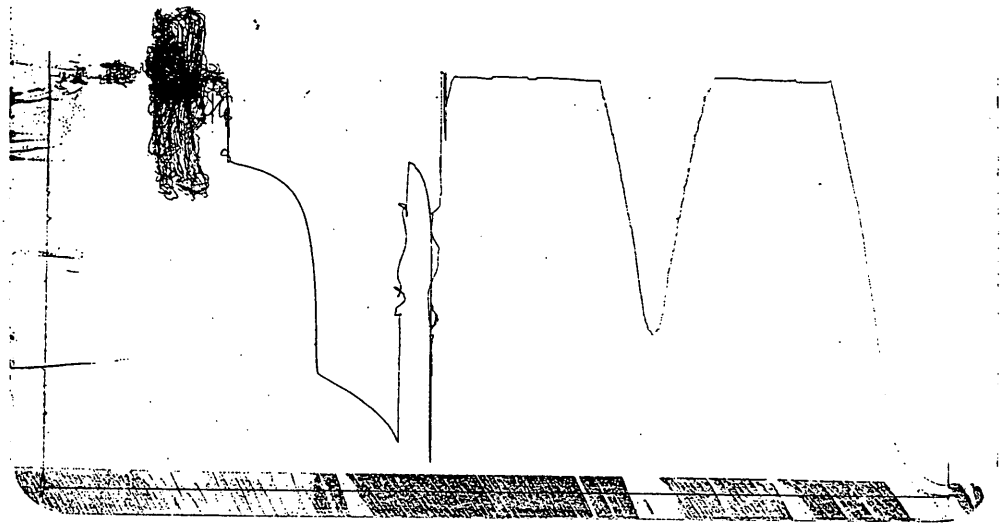
REMARKS: AFTER R.I.H. CORRELATE WITH B.P.B. COULD NOT RUN IN WITH B.P.B OBSTRUCTION AT APPROX 785m. POOH AND CLEAR OBSTRUCTION. THEN R.I.H TO CORRELATE AND TEST.

	LENGTH
TOTAL TOOL TO BOTTOM TOP PACKERS	20.48
INTERVAL TOOL	4.05
BOTTOM PACKER & ANCHOR	4.09
TOTAL TOOL	28.62
DRILL COLLAR ANCHOR IN INTERVAL	
DRILL COLLARS ABOVE TOOLS Stands ____ Total	140.51
DRILL PIPE ABOVE TOOLS Stands ____ Total	1070.04
H. W. PIPE ABOVE TOOLS Stands ____ Total	83.86
OTHER ABOVE TOOL Total	
TOTAL DRILL COLLARS DRILL PIPE AND TOOLS	1314.89
TOTAL DEPTH	1311.
TOTAL DRILL PIPE ABOVE K.B.	3.89 m

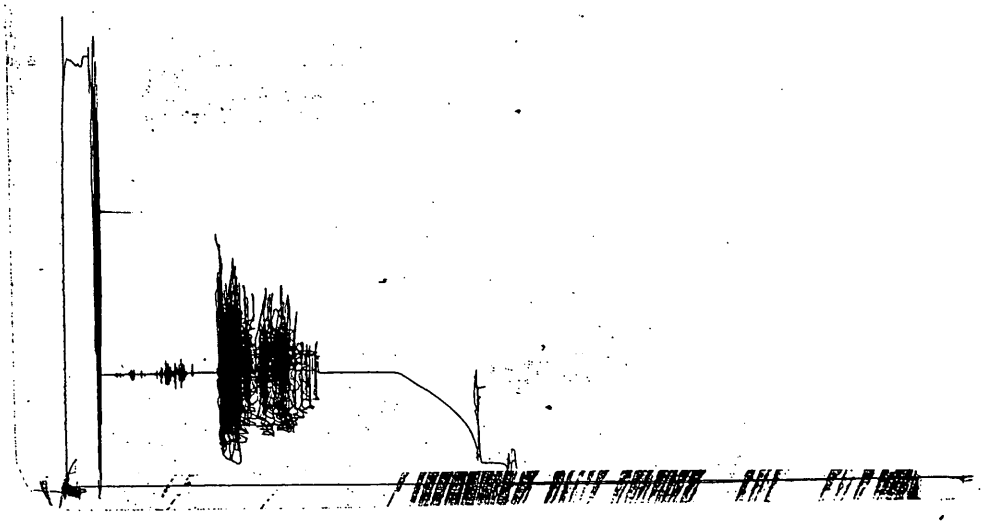
REMARKS: AFTER DEFLATING PACKERS TRIED TO GO DOWN TO RIG DOWN TEST HEAD & CHICSANS. STARTED TO TAKE TO MUCH WEIGHT SO STARTED TO COME UP TO PUT SINGLE IN MOUSE HOLE TO RIG DOWN. CAME UP 3-3½m AND STARTED PULLING 40-50,000 OVER. TRIED TO GO DOWN AGAIN AND COULDNT. TRIED TO COME UP AND COULDNT. TRIED JARING ON SEVERAL OCCASIONS FROM 150,000 TO 200,000 AND DIDNT MOVE. SAT THE WHOLE WEIGHT OF THE DRILL STRING ON THE TOOL AND COULDNT GO DOWN. PULLED TWICE TO 250,000 AND COULDNT MOVE. IT WAS DECIDED BY THE COMPANY REP TO BACK OFF AT THE SAFETY JOINT AND RETRIEVE THE RECORDERS AND TO FISH FOR THE REST OF THE TOOLS

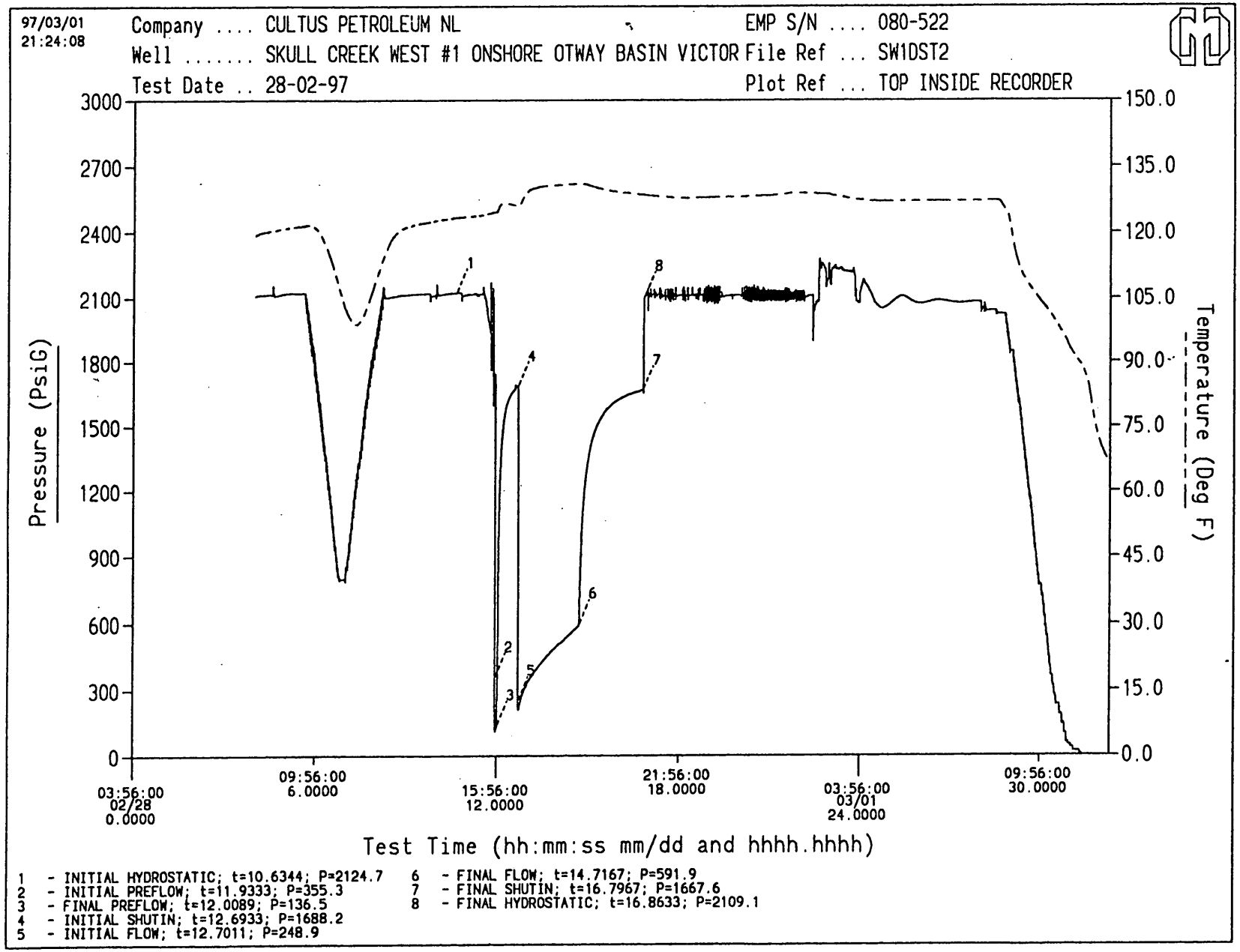
	LENGTH
BO SUB	
P.O. SUB	
C.O. SUB	
SHUT-IN TOOL	
HMV	
JARS	
SAFETY JOINT	
PACKER	
PACKER	
DEPTH	
STUBB	
ANCHOR	
BULLNOSE	
T.D.	

SKULL CREEK WEST #1 DST #2 1311-1315 REC 13830 INSIDE



SKULL CREEK WEST #1 DST #2 1311-1315m REC 13831 OUTSIDE

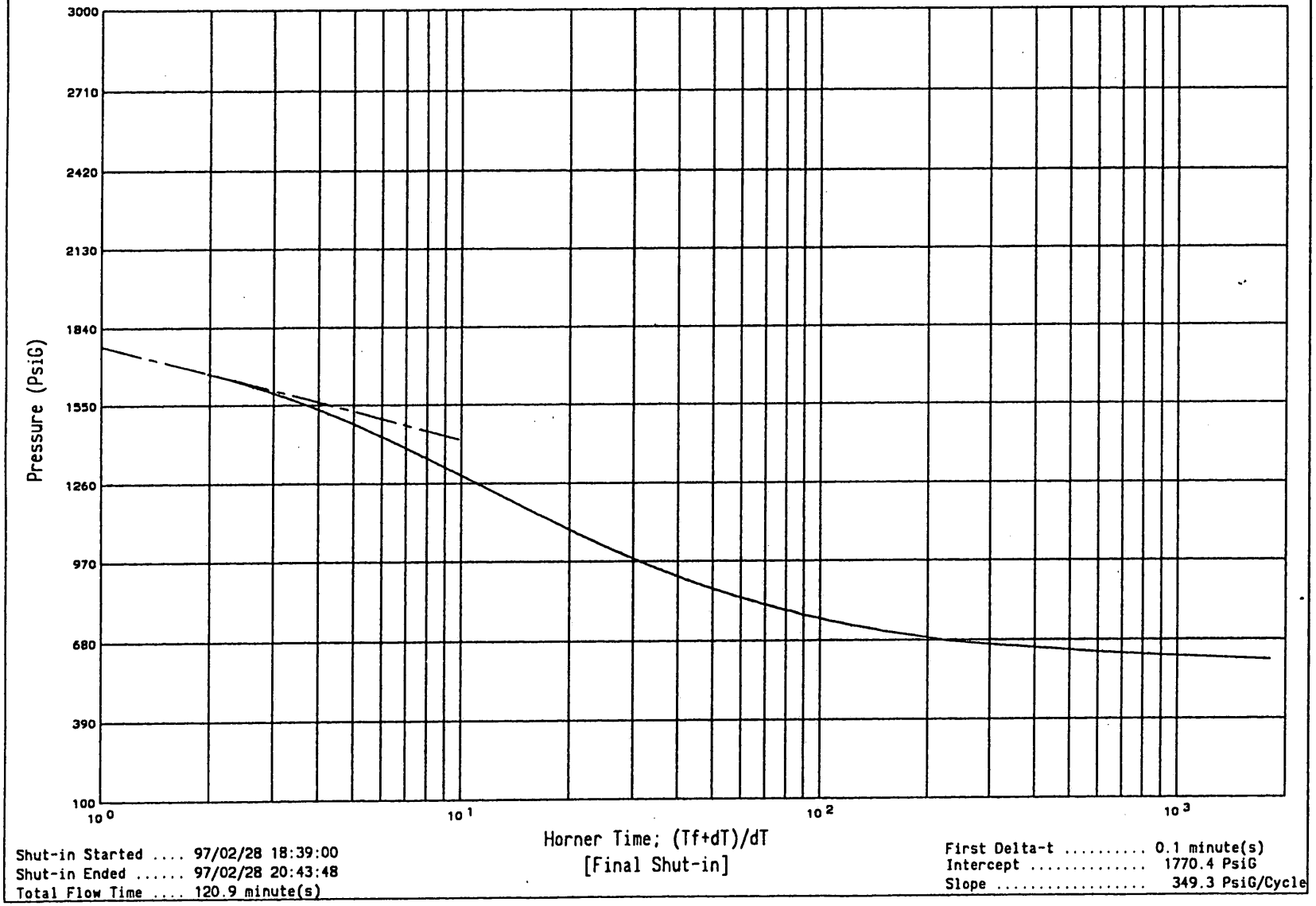



97/03/01
21:24:08
Company .... CULTUS PETROLEUM NL
Well ..... SKULL CREEK WEST #1 ONSHORE OTWAY BASIN VICTOR
Test Date .. 28-02-97
EMP S/N 080-522
File Ref ... SW1DST2
Plot Ref ... TOP INSIDE RECORDER
Pressure (PsiG)
Temperature (Deg F)
3000
2700
2400
2100
1800
1500
1200
900
600
300
0
150.0
135.0
120.0
105.0
90.0
75.0
60.0
45.0
30.0
15.0
0.0
03:56:00
02/28
0.0000
09:56:00
6.0000
15:56:00
12.0000
21:56:00
18.0000
03:56:00
03/01
24.0000
09:56:00
30.0000
Test Time (hh:mm:ss mm/dd and hhhh.hhhh)
1 - INITIAL HYDROSTATIC; t=10.6344; P=2124.7
2 - INITIAL PREFLOW; t=11.9333; P=355.3
3 - FINAL PREFLOW; t=12.0089; P=136.5
4 - INITIAL SHUTIN; t=12.6933; P=1688.2
5 - INITIAL FLOW; t=12.7011; P=248.9
6 - FINAL FLOW; t=14.7167; P=591.9
7 - FINAL SHUTIN; t=16.7967; P=1667.6
8 - FINAL HYDROSTATIC; t=16.8633; P=2109.1

97/03/01
21:34:08

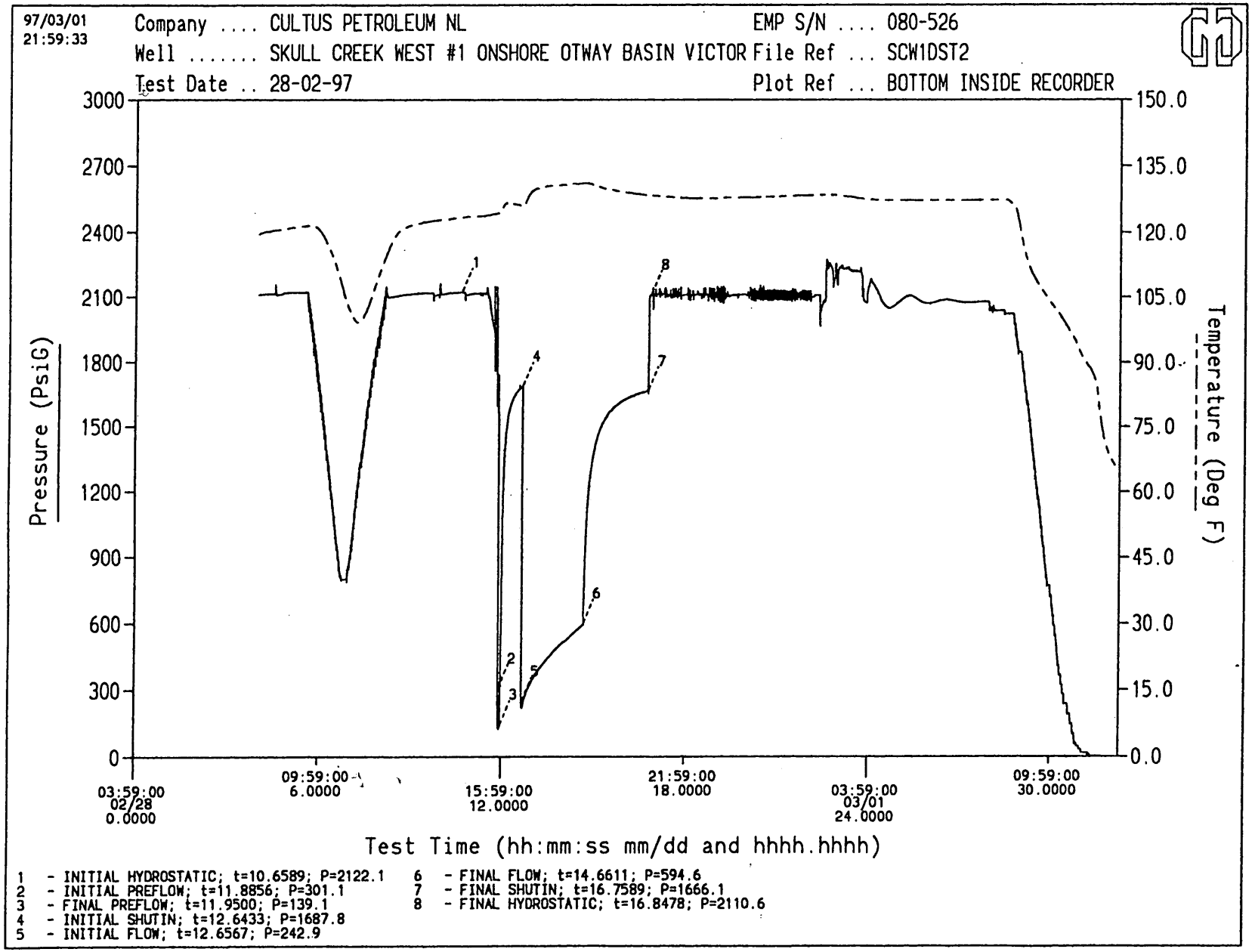
Company .... CULTUS PETROLEUM NL
Well ..... SKULL CREEK WEST #1 ONSHORE OTWAY BASIN VICTORIA
Test Date .. 28-02-97

EMP S/N 080-522
File Ref ... SW1DST2
Plot Ref ... TOP INSIDE RECORDER



Shut-in Started 97/02/28 18:39:00
Shut-in Ended 97/02/28 20:43:48
Total Flow Time .... 120.9 minute(s)

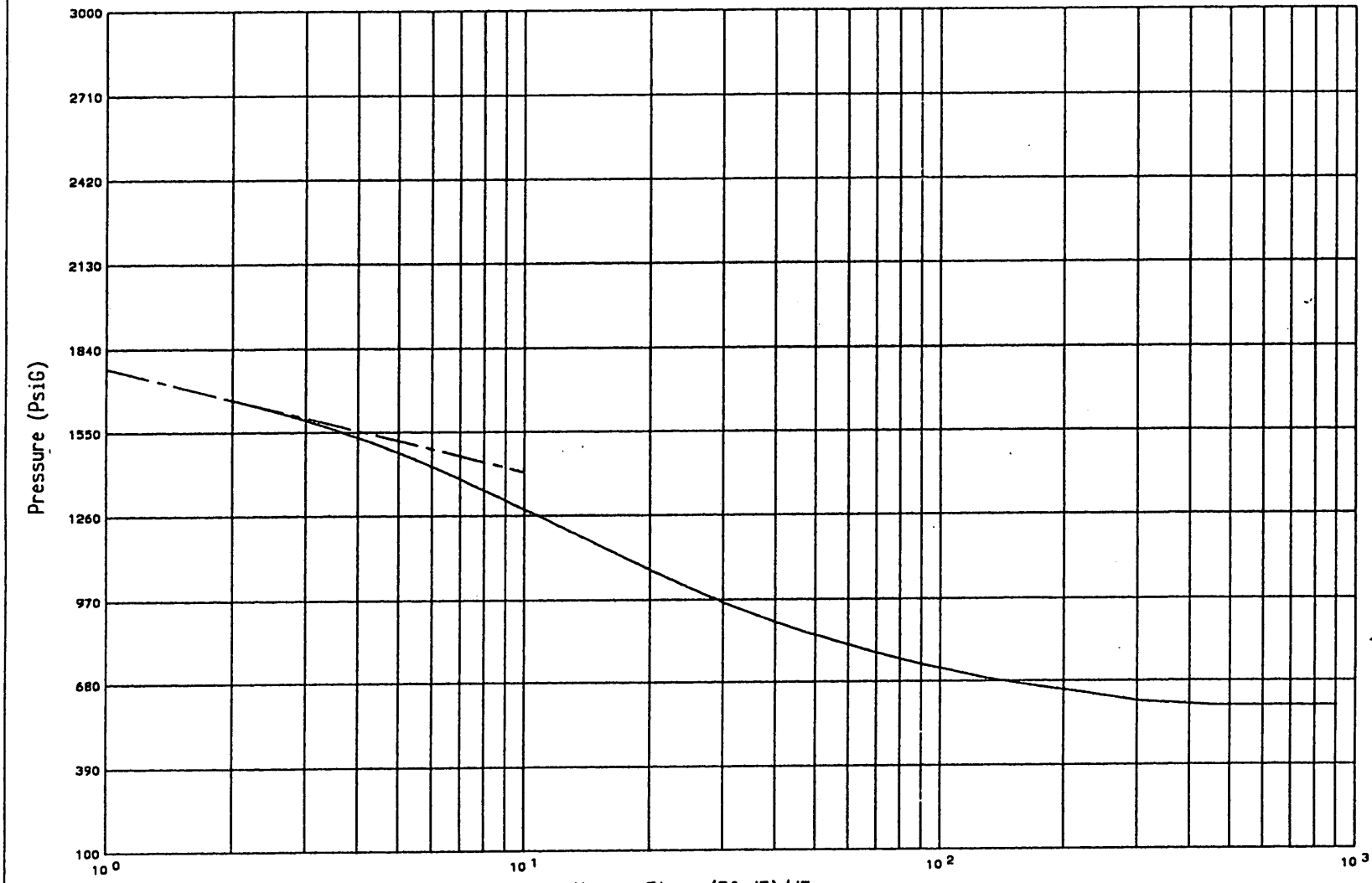
First Delta-t ..... 0.1 minute(s)
Intercept ..... 1770.4 PsiG
Slope ..... 349.3 PsiG/Cycle


97/03/01
21:59:33
Company .... CULTUS PETROLEUM NL
Well ..... SKULL CREEK WEST #1 ONSHORE OTWAY BASIN VICTOR
Test Date .. 28-02-97
EMP S/N 080-526
File Ref ... SCW1DST2
Plot Ref ... BOTTOM INSIDE RECORDER
Pressure (PsiG)
Temperature (Deg F)
3000
2700
2400
2100
1800
1500
1200
900
600
300
0
150.0
135.0
120.0
105.0
90.0
75.0
60.0
45.0
30.0
15.0
0.0
03:59:00 02/28 0.0000
09:59:00 6.0000
15:59:00 12.0000
21:59:00 18.0000
03:59:00 03/01 24.0000
09:59:00 30.0000
Test Time (hh:mm:ss mm/dd and hhhh.hhhh)
1 - INITIAL HYDROSTATIC; t=10.6589; P=2122.1
2 - INITIAL PREFLOW; t=11.8856; P=301.1
3 - FINAL PREFLOW; t=11.9500; P=139.1
4 - INITIAL SHUTIN; t=12.6433; P=1687.8
5 - INITIAL FLOW; t=12.6567; P=242.9
6 - FINAL FLOW; t=14.6611; P=594.6
7 - FINAL SHUTIN; t=16.7589; P=1666.1
8 - FINAL HYDROSTATIC; t=16.8478; P=2110.6

97/03/01
22:05:47

Company .... CULTUS PETROLEUM NL
Well ..... SKULL CREEK WEST #1 ONSHORE OTWAY BASIN VICTORIA
Test Date .. 28-02-97

EMP S/N 080-526
File Ref ... SCW1DST2
Plot Ref ... BOTTOM INSIDE RECORDER



Shut-in Started 97/02/28 18:38:40
Shut-in Ended 97/02/28 20:44:32
Total Flow Time .... 120.3 minute(s)

First Delta-t ..... 0.1 minute(s)
Intercept ..... 1773.4 PsiG
Slope ..... 364.0 PsiG/Cycle

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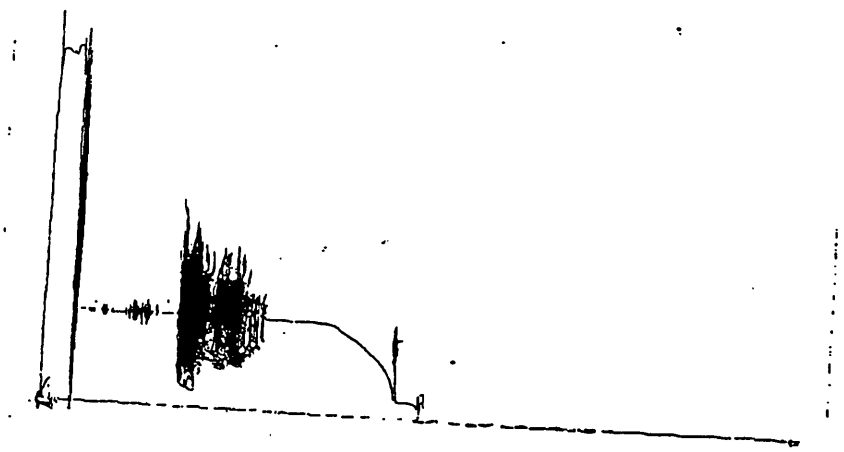
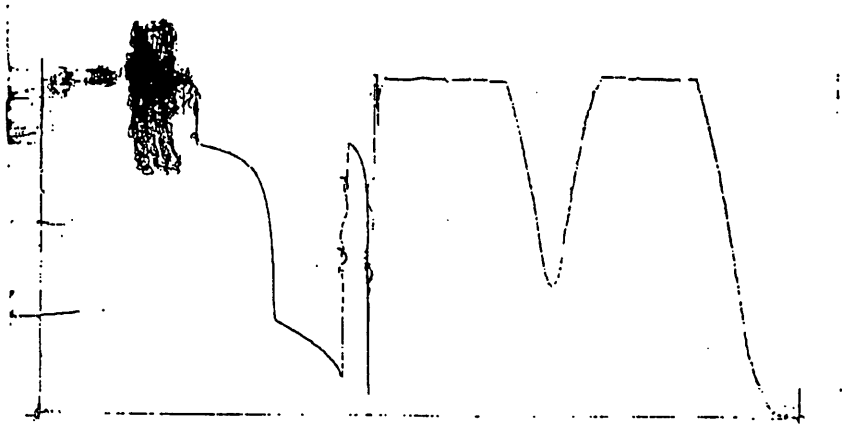
SKULL CREEK WEST #1 DST #2 1311-1315m REC 13831 ABOVE



SKULL CREEK WEST #1 DST #2 1311-1315 REC 13830 INSIDE



ustralian DST Co. Pty. Ltd.
: 619, Roma, Queensland 4455

FIELD REPORT

TEST TOOL - INFLATE

COMPANY NAME : CULTUS PETROLEUM NL
WELL NAME : SKULL CREEK WEST #1
LOCATION : ONSHORE OTWAY BASIN VICTORIA PPL1
TESTED INTERVAL : 1311-1315.

TICKET # 2599
D.S.T.# TWO
FORMATION
DATE 28.2.97

TOTAL TOOL TO BOTTOM OF TOP PACKER *	20.48
TOOL & DRILL COLLAR IN INTERVAL	4.05
BOTTOM PACKER AND ANCHOR	4.09
TOTAL TOOL	28.62
TOTAL TOOL TO BOTTOM OF TOP PACKER *	20.48
D.C. ABOVE TOOLS (5) STANDS ( ) SINGLES	140.51
D.P. ABOVE TOOLS (37) STANDS (2) SINGLES	1070.04
HW ABOVE TOOLS (3) STANDS ( ) SINGLES	83.86
OTHER ABOVE TOOL ( )	
TOTAL DRILL COLLARS, DRILL PIPE & TOOLS	1314.89
TOTAL. DEPTH TO BOTTOM OF TOP PACKER	1311
TOTAL STICK-UP ABOVE K.B.	3.89

PIPE TALLY

DRILL COLLAR JOINT	LENGTH	DRILL PIPE JOINT	LENGTH				
1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
Total 1		Total 2		Total 3		Total 4	
1		1		1		1	
2		2		2		2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
Total 5		Total 6		Total 7		Total 8	
1		1		1		DC 1	
2		2		2		DP 2	
3		3		3		3	
4		4		4		4	
5		5		5		5	
6		6		6		6	
7		7		7		7	
8		8		8		8	
9		9		9		9	
10		10		10		10	
						11	
Total 9		Total 10		Total 11		TOTAL	

BO SUB	.41
PO SUB	.30
CO SUB	.30
Fluid Rec.	1.53
HYDRAULIC TOOL	1.61
SAMPLER	1.20
SQUEEZEE VALVE	1.17
JARS	2.18
~~EMP~~ #REC	1.53
~~REC~~ #EMP	1.83
EMP #	1.83
SAFETY JOINT	1.64
INFLATE PUMP	.86
SCREEN	1.33
DEFLATE	1.02
BYPASS PORT	
INFLATE PACKER	1.74
DEPTH 1311 m	
FLOW PORTS	.80
REC.#	2.04
SPACING	.61
XOS	
DRILL COLLARS	
XOS	
T. COLLAR	.60
DEPTH 1315.05 m	
INFLATE PACKER	1.71
REC #	
DRAGSPRING	2.35

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CULTUS PETROLEUM

WELL NAME: SKULL CREEK WEST #1 **DST: #2** **DATE 28/02/1997**

FORMATION **TESTER** J. SILVESTER
D. REARDON

TOTAL TOOL TO BTM OF TOP PACKER	20.48		
TOOL & DRILL COLLARS IN INTERVAL	4.05		
BOTTOM PACKER & ANCHOR	4.09		
TOTAL TOOL	**28.62**		
TOTAL TOOL TO BTM OF TOP PACKEF	**20.48**		
STICK UP	**-3.89**		
DRILL PIPE	1070.04	-3.89	37 STDS + DBL
HEAVY WEIGHT DRILL PIPE	83.86	1066.15	
DRILL COLLARS	121.76	1150.01	4 STDS + SGL
PUMP OUT SUB	0.41	1271.77	
DRILL COLLAR	9.38	1272.18	1 DRILL COLLAR
DROP BAR SUB	0.3	1281.56	
DRILL COLLAR	9.37	1281.86	1 DRILL COLLAR
CROSS OVER	0.3	1291.23	
RECORDER CARRIER	1.53	1291.53	
HYDRAULIC TOOL	1.61	1293.06	
SAMPLER	1.2	1294.67	
SQUEEZE RELIEF VALVE	1.17	1295.87	
JARS	2.18	1297.04	
RECORDER CARRIER	1.53	1299.22	
RECORDER CARRIER EMP	1.83	1300.75	
RECORDER CARRIER EMP	1.83	1302.58	
SAFETY JOINT	1.64	1304.41	
INFLATE PUMP	0.86	1306.05	
SCREEN	1.33	1306.91	
DEFLATE	1.02	1308.24	
PACKER	1.74	1309.26	
DEPTH	**1311**		
FLOW PORTS	0.8	1311	
RECORDER CARRIER	2.04	1311.8	
SPACING	0.61	1313.84	
STICK UP	0.6	1314.45	
DEPTH	**1315.05**	1315.05	
PACKER	1.71		
DRAGSPRING	2.38		

PIP TAG 1262.89m.

AUSTRALIAN D.S.T. AUSTRALIASIA.

SECTION 9

SAMPLE ANALYSIS

SAMPLING DATA

CUSTOMER:
WELL NAME: SKULL CREEK WEST-1
TEST TYPE: OH DST #2
PERFORATIONS: INTERVAL 1311-1315 m KB.
FORMATIONS: UPPER ELMWORTH 4
PAGE: 1 OF 3
DATE: 28-2-97
OPR:

SAMPLE # 1

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
~~GAS~~ 16:32	BBB	1000	GAS	5	EVACUATED			BUBBLE HOSE	~~KPa~~ 10	~~°C~~ 18	14.7	18°C

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
~~KPa~~ 10	~~°C~~ 18	1/4"							ASTM					

REMARKS:

SAMPLE # 2

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
16:37	CCC	1000	GAS	5	EVAC.			BUBBLE HOSE	~~KPa~~ 10	~~°C~~ 18	14.7	18°

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
~~KPa~~ 10	~~°C~~ 18	1/4"							ASTM					

REMARKS:

SAMPLE

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)

REMARKS:

LEGEND	WHITE: ORIGINAL	PINK: OFFICE COPY

CULTUS PETROLEUM NL

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Drill Stem Test Report

WELL SKULL CREEK WEST-1	DST# 2	DATE 28-2-97
INTERVAL TESTED 1311-1315	FORMATION EUMERALLA / WARRE A	
WATER CUSHION NIL	Rw (water cushion) — @ —	
OPEN HOLED/CASED HOLE (circle) —	Rw (make up water) — @ —	
	Rmf — @ —	

REMARKS

Elapsed Time (min)	Remarks/Pressures	Elapsed Time (min)	Remarks/Pressures	Elapsed Time (min)	Remarks/Pressures	Elapsed Time (min)	Remarks/Pressures
0430	RIH DST-2	15-12	Seat packer	0	PRE FLOW Weak blow	1	weak bubble
0730	WAIT ON BPB	15-40	Safety Meeting	0.5	Strong to bottom	2	" "
0810	RIG UP GR-CCL TO RUN	15-45	Begin to open hydraulic	1.0	3	3/4/5	Med bubble
0850	TAG OBSTRUCTION @ 80m	15-51	Tool open	1.5	4	10	1 PSI
10	POOH & RIG DOWN	15-56	SI Preflow	2.0	5	15	2
10-40	POOH DP TO TBG	16-38	Open for flow	2.5	6	30	5
10-50	DRIFT STAND RUNNER DROP BAR PIN	1640	SI for final g/v	3.0	6	45	6
10-55	RIH	20:45	Release packer	3.5	6	60	6
12-10	GR-CCL-CORRELATE		Packers failed to unseat	4.0	7	75	6
14-40	Head up test lines			4.5	7	90	3
14-55	Pressure test lines to 1500 psi			5.0	7	105	0
15:00	Pull free Hook-up String wt 87 KLB					120	0

Throughout flow bubble hose

SURFACE FLOW INFORMATION SUMMARY

Choke	Fluid-Surf (min)	Flowing Time	Press	Final Rate Gas MMCFD	Final Rate Oil/Water BPD	Field Analysis Gas	API/OIL Pour PT
1/8"	—	127	7 psi	RSTM	—		—

RECOVERY

Reverse Circulated/Pulled (circle) 17.2 water & muddy water

Rw 0.64 at 75°F

GTS 77 mins @ RTSM C1 100% C2 trace C3+ NIL.

Rw of Recovery

	Bottom	Top	External		Flow/Shut in Time (min)
Depth				m	
Initial Hydrostatic Pressure				psig	
1st Flow - Initial Pressure				psig	
- Final Pressure				psig	
- Closed in Pressure				psig	
2nd Flow - Initial Pressure				psig	
- Final Pressure				psig	
- Closed in Pressure				psig	
Final Hydrostatic Pressure				psig	
Temperature				°F	

SAMPLES TAKEN

Total Gas 2	Oil 0	Condensate 0	Water 4	Dissolv HC	
For Analysis Gas	Oil	Condensate	Water	Dissolv HC	

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SKULL CREEK UNIT # 1

DST NO 2 1811 – 1815 mKB

OPERATIONS LOG.

28/2/97.

04:30	RIH WITH DST #2.
07:30	WAIT ON BBB.
08:10	RIG UP TO RUN GR-CCL.
08:50	TAG OBSTRUCTION AT 786m.
	POOH & RIG DOWN.
10:40	POOH DP TO 786 m.
10:50	~~RAISE~~ DRIFT STAND. RECOVER DROP BAR PIN.
10:55	RIH.
12:10	GR-CCL CORRELATION.
14:40	HEAD UP TEST TOOLS
14:55	PRESSURE TEST SURFACE LINES TO 1500 psi.
15:00	CONTINUE HEAD UP. STRING WGT 87,000 lbs.
	1/2 FIXED CHOKE INSTALLED.
15:12	SET PACKERS
15:40	SAFETY MEETING
15:45	BEGIN TO OPEN HYDRAULIC TOOL
15:51	TOOL OPEN.
15:56	SI PREFLOW
16:38	OPEN FOR FINAL FLOW SAMPLES # BBB, ECCC
	GTS 77 MINS. TAKEN.
18:40	SI FOR FINAL B.U.
20:45	RELEASE PACKERS. STRING WGT =

PACKERS FAILED TO UNSEAT, WORK STRING, JAR

22:36	REOPENED TOOL VERY WEAK BUBBLE
22:39	CLOSE TOOL

CONTINUE JARRING AND WORKING STRING

BACK-OFF AT SAFETY JOINT

DROP BAR ~~RECEIVED~~ 02:22 hrs ~~SATURDAY~~ 1-3-97

BEGIN REVERSE CIRCULATION 0230 hrs.

PRESSURE DATA DST # 2 UPPER ELMORALLA

1311 - 1315 m KB.

PRE-FLOW.

15:57. HRS.

MIN	PRESS.
0	WEAK BLOW.
0.5	STRONG AT BOB
1.0	3psi THRU BOBBLE HOSE
1.5	4psi
2.0	5 psi
2.5	6 psi
3.0	6 psi
3.5	6 psi
4.0	7 psi
4.5	7 psi
5.0	7 psi

FINAL FLOW

16:38. HRS

MIN	PRESS
1	WEAK BOB
2	" "
3	MOD BOB
4	" "
5	" "
10	1 psi
15	2 psi
30	5 psi
45	6 psi
60	6 psi
75	6 psi
90	3 psi
105	0 psi
120	0 psi

GTS IN 77 MINUTES.

OPEN THROUGH 1/4" CHOKE TO FLARE AT 77 mins. (17:55).

PRESS DROP TO ZERO

18:19 SI TO FLARE FOR SAMPLING.

18:32 TAKE GAS SAMPLE # BBB

18:37 TAKE GAS SAMPLE # CCC.

RECOVERED 17.2 bbls water and muddy water

R_w = 0.64 at 75° F.

905298 221

DST # 2 1311 - 1315 m.

Recovered 17·2 bbls water & muddy water

SAMPLE 3: Rw = 0·64 at 75° F.

pH	7·0	CL	10,000 mg/l
CA	320 mg/l	K+	NIL
SO_3=	NIL	pf/mf	0/0·8

Sample - 1 Top of fluid recovery
Sample - 2 1 bbl into recovery
Sample - 3 8 bbls into recovery
Sample - 4 16·5 bbls into recovery

GTS 77 mins RSTM

C1 100 %
C2 Trace
C3 + ZERO.

Collect 2 x GAS Bombs

Sample chamber probably contaminated by openings of tool whilst stuck.

SAMPLING DATA

CUSTOMER:
WELL NAME: SKULL CREEK WEST-1
TEST TYPE: OH DST #2

PERFORATIONS: INTERVAL 1311-1315 m KB.
FORMATIONS: UPPER FUHRMANN 4

PAGE: 1 OF 3
DATE: 28-2-97
OPR:

SAMPLE # 1

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
~~GAS~~	BBB	1000	GAS	5	EVACUATED			BUBBLE HOSE	10	18	14.7	18°C

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
10	18	1/4"							ASTM					

16:32

REMARKS:

SAMPLE # 2

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)
16:37	OCC	1000	GAS	5	EVAC.			BUBBLE HOSE	10	18	14.7	18°

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)
10	18	1/4"							ASTM					

REMARKS:

SAMPLE

TIME SAMPLE COLLECTED	CYLINDER SERIAL NO.	CYLINDER VOLUME (CC)	SAMPLE TYPE	SAMPLING DURATION (MINS)	CYLINDER INITIALLY FILLED WITH	OUTAGE (CC)	VOLUME OF FILL REMAINING WITH SAMPLE (CC)	SAMPLE POINT	SAMPLE PRESS (PSI / KPa)	SAMPLE TEMP (°F/°C)	AMBIENT PRESS (PSI / KPa)	AMBIENT TEMP (°F/°C)

WELLHEAD DATA				SEPARATOR DATA			GRAVITIES		FLOW RATES			RATIOS	BOTTOM HOLE	
TUBING PRESS (PSI/KPa)	WELLHEAD TEMP (°F/°C)	CHOKE SIZE	BS&W (%)	SEPARATOR PRESS (PSI/KPa)	SEPARATOR TEMP (°F/°C)	FPV	GAS SPECIFIC GRAVITY	OIL API GRAV @60°F	GAS MMSCFD $m^3 10^3/D$	OIL BPD m^3/D	WATER BPD m^3/D		PRESSURE (PSI / KPa)	TEMPRATURE (°F/°C)

REMARKS:

LEGEND	WHITE: ORIGINAL	PINK: OFFICE COPY

CULTUS PETROLEUM NL

Drill Stem Test Report

WELL SKULL CREEK WEST-1	DST# 2	DATE 28-2-97
INTERVAL TESTED 1311-1315	FORMATION EUMERALLA / WARRE A	
WATER CUSHION NIL	Rw (water cushion) — @ —	
OPEN HOLED/CASED HOLE (circle) —	Rw (make up water) — @ —	
	Rmf — @ —	

REMARKS

Elapsed Time (min)	Remarks/Pressures	Elapsed Time (min)	Remarks/Pressures	Elapsed Time (min)	Remarks/Pressures	Elapsed Time (min)	Remarks/Pressures
0430	RIH DST-2	15-12	Seat packer	0	PRE FLOW Weak blow	1	weak bubble
0730	WAIT ON BPB	15-40	Safety Meeting	0.5	Strong to bottom	2	" "
0810	RIG UP GR-CCL TO RUN	15-45	Begin to open hydraulic	1.0	3 PSI	3/4/5	Med bubble
0850	TAG OBSTRUCTION TBG @ 800M	15-51	Tool open	1.5	4	10	1 PSI
10	POOH & RIG DOWN	15-56	SI Preflow	2.0	5	15	2
10-40	POOH DP TO TBG	16-38	Open for Flow	2.5	6	30	5
10-50	DRIFT STAND RECOVER DRIFT & PIN	1640	SI for final SIP	3.0	6 Strong bubble throughout	45	6
10-55	RIM	20:45	Release packer	3.5	6	60	6
12-10	GR-CCL CORRELATION		Packers failed to unseat	4.0	7	75	6
14-40	Head up test tools			4.5	7 PSI	90	3
14-55	Pressure test lines to 1500psi			5.0	7	105	0
15:00	Continue POOH - string wt 87 K18					120	0

SURFACE FLOW INFORMATION SUMMARY

Choke	Fluid-Surf (min)	Flowing Time	Press	Final Rate Gas MMCFD	Final Rate Oil/Water BPD	Field Analysis Gas	API/OIL Pour PT
1/8"	—	127	7 psi	RSTM	—		—

RECOVERY

Reverse Circulated/Pulled (circle) 17.2 water & Muddy water

Rw 0.64 at 75°F

GTS 77 mins @ RTSM C1 100% C2 trace C3+ NIL.

Rw of Recovery

	Bottom	Top	External		Flow/Shut in Time (min)
Depth				m	
Initial Hydrostatic Pressure				psig	
1st Flow - Initial Pressure				psig	
- Final Pressure				psig	
- Closed in Pressure				psig	
2nd Flow - Initial Pressure				psig	
- Final Pressure				psig	
- Closed in Pressure				psig	
Final Hydrostatic Pressure				psig	
Temperature				°F	

SAMPLES TAKEN

Total Gas 2	Oil 0	Condensate 0	Water 4	Dissolv HC	
For Analysis Gas	Oil	Condensate	Water	Dissolv HC	

905298 224

SKULL CREEK UNIT # 1

DST NO 2 1811 - 1815 mKB

OPERATIONS LOG.

28/2/97.

04:30	RIH WITH DST #2.
07:30	WAIT ON BBB.
08:10	RIG UP TO RUN GR-CCL.
08:50	TAG OBSTRUCTION AT 786m.
	POOH & RIG DOWN.
10:40	POOH DP TO 786 m.
10:50	DRIFT STAND. RECOVER DROP BAR PIN.
10:55	RIH.
12:10	GR-CCL CORRELATION.
14:40	HEAD UP TEST TOOLS
14:55	PRESSURE TEST SURFACE LINES TO 1500 psi.
15:00	CONTINUE HEAD UP. STRING WGT 87,000 lbs.
	1/2 FIXED CHOKE INSTALLED.
15:12	SET PACKERS
15:40	SAFETY MEETING
15:45	BEGIN TO OPEN HYDRAULIC TOOL
15:51	TOOL OPEN.
15:56	SI PREFLOW
16:38	OPEN FOR FINAL FLOW — SAMPLES @ BBB, ECCC
	GTS 77 MINS. — TAILED.
18:40	SI FOR FINAL B.U.
20:45	RELEASE PACKERS. STRING WGT =

PACKERS FAILED TO UNSEAT, WORK STRING, JAR

22:36 REOPENED TOOL VERY WEAK BUBBLE

22:39 CLOSE TOOL

CONTINUE JARRING AND WORKING STRING

BACK-OFF AT SAFETY JOINT

DROP BAR RECVD 02:22 hrs 28/FEBRUARY 1-3-97

BEGIN REVERSE CIRCULATION 0230 hrs.

PRESSURE DATA DST # 2 UPPER EMERALD

1311 - 1315 m KB.

PRE-FLOW.

15:51. HRS.

MIN	PRESS.
0	WEAK BLOW.
0.5	STRONG AT BOB
1.0	3psi THRU BOBBLE HOSE
1.5	4psi
2.0	5 psi
2.5	6 psi
3.0	6 psi
3.5	6 psi
4.0	7 psi
4.5	7 psi
5.0	7 psi

FINAL FLOW

16:38. HRS

MIN	PRESS
1	WEAK BOB
2	" "
3	MOD BOB
4	" "
5	" "
10	1 psi
15	2 psi
30	5 psi
45	6 psi
60	6 psi
75	6 psi
90	3 psi
105	0 psi
120	0 psi

GTS IN 77 MINUTES.

OPEN THROUGH 1/4" CHOKE TO FLARE AT 77 mins. (17:55).

PRESS DROP TO ZERO

18:19 SI TO FLARE FOR SAMPLING.

18:32 TAKE GAS SAMPLE # BBB

18:37 TAKE GAS SAMPLE # CCC.

RECOVERED 17.2 bbls water and muddy water

R_w = 0.64 at 75° F.

905298 226

DST # 2 1311 - 1315 m.

Recovered 17.2 bbls water & muddy water

SAMPLE 3: Rw = 0.64 at 75° F.

pH 7.0 CL 10,000 mg/l

CA 320 mg/l K+ NIL

SO_3= NIL pf/mf 0/0.8

Sample - 1 Top of fluid recovery

Sample - 2 1 bbl into recovery

Sample - 3 8 bbls into recovery

Sample - 4 16.5 bbls into recovery

GTS 77 mins RSTM

C1 100 %

C2 Trace

C3 + ZERO.

Collect 2 x Gas Bombs

Sample chamber probably contaminated by openings of tool whilst stuck.

905298 227

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RECEIVED
27 FEB 1997
CULTUS
PETROLEUM NL

FACSIMILE TRANSMISSION FROM:

AMDEL LIMITED PETROLEUM SERVICES
35-37 STIRLING STREET, THEBARTON SA 5031
FACSIMILE NO: (08) 8234 2933 or (08) 8234 2760
TELEPHONE NO: (08) 8416 5240

TO: Andy Jon

COMPANY: Cultus Petroleum.

FAX NO: 02 9418 1804 DATE: 27.2.97

COPY TO:

FROM: Valentina Pavlovic TOTAL PAGES: 3

Following are the water results you requested. There are no nitrate results for the filtrate as there is insufficient sample. Nitrate results for the other samples will be faxed as soon as they are available.

Regards
B. Tabrobent

Amdel
Petroleum Services

905298 228

TABLE 1 - WATER ANALYSIS

JOB NUMBER: LQ5621

WELL / ID: Skull creek West-1
SAMPLE TYPE: RFT Sample
SAMPLE POINT: Large chamber
DATE COLLECTED: -
DATE RECEIVED: 26/02/97

FORMATION: -
INTERVAL: 1530.2m
COLLECTED BY: Client

PROPERTIES:

pH (measured) = 7.65
Resistivity (Ohm.M @ 25°C) = 0.38
Electrical Conductivity (µS/cm @ 25°C) = 26500
Specific Gravity (S.G. @ 20°C) = na
Measured Total Dissolved Solids(Evap@180°C) mg/L = na
Measured Total Suspended Solids mg/L = na

CHEMICAL COMPOSITION

CATIONS		mg/L	meq/L	ANIONS		mg/L	meq/L
Ammonium	as NH_4	na	na	Bromide	as Br	na	na
Potassium	as K	1208	30.90	Chloride	as Cl	9090	256.06
Sodium	as Na	4721	205.35	Fluoride	as F	na	na
Barium	as Ba	na	na	Hydroxide	as OH	nd	nd
Calcium	as Ca	922	46.01	Nitrite	as NO_2	na	na
Iron	as Fe	na	na	Nitrate	as NO_3		0.00
Magnesium	as Mg	7.14	0.59	Sulphide	as S	na	na
Strontium	as Sr	na	na	Bicarbonate	as HCO_3	854	14.00
Boron	as B	na	na	Carbonate	as CO_3	nd	nd
				Sulphite	as SO_3	na	na
				Sulphate	as SO_4	1283	26.71
Total Cations		6858.14	282.84	Total Anions		11227	296.77

DERIVED PARAMETERS

a) Ion Balance (Diff*100/Sum) (%) = 2.40
b) Total Alkalinity (calc as $CaCO_3$) (mg/L) = 700
c) Total of Cations + Anions = 18085.14
(measured dissolved salts)

d) Theoretical Result of Evaporation Test = 16960
(From Electrical Conductivity)
e) 0.6 x Concentration of Bicarbonate ion* = 512.4
f) Theoretical Total Dissolved Salts d) + e) = 17472.4

QUALITY CONTROL COMMENTS

Item	Actual Value	Acceptance Criteria	Satisfactory? (Yes/No)
Ion Balance (%) =	2.40	5%	Yes
Undetected ions % =	3.51	10%	Yes
(from comparison of measured vs theoretical salts derived from measured conductivity)			
Expected pH range		< 8.3	Yes
% difference between measured total dissolved solids and calc total dissolved salts (from ionic comp) =	na	5%	na

na = not applicable
nd = not detected
is = insufficient sample

If No - what action is recommended by Amdel

Amdel
Petroleum Services

905298 229

TABLE 1 - WATER ANALYSIS

JOB NUMBER: LQ5621

WELL / ID: Skull creek West-1,Sample 1
SAMPLE TYPE: Mud filtrate
SAMPLE POINT: Suction tank
DATE COLLECTED: -
DATE RECEIVED: 26/02/97

FORMATION: -
INTERVAL: 1530.2m
COLLECTED BY: Client

PROPERTIES:

pH (measured) = 8.61
Resistivity (Ohm.M @ 25°C) = 0.80
Electrical Conductivity (µS/cm @ 25°C) = 12520
Specific Gravity (S.G. @ 20°C) = na
Measured Total Dissolved Solids(Evap@180°C) mg/L = na
Measured Total Suspended Solids mg/L. = na

CHEMICAL COMPOSITION

CATIONS		mg/L	meq/L	ANIONS		mg/L	meq/L
Ammonium	as NH_4	na	na	Bromide	as Br	na	na
Potassium	as K	1793	45.86	Chloride	as Cl	3685	103.80
Sodium	as Na	1356	58.98	Fluoride	as F	na	na
Barium	as Ba	na	na	Hydroxide	as OH	nd	nd
Calcium	as Ca	68	3.39	Nitrite	as NO_2	na	na
Iron	as Fe	na	na	Nitrate	as NO_3	is	is
Magnesium	as Mg	nd	nd	Sulphide	as S	na	na
Strontium	as Sr	na	na	Bicarbonate	as HCO_3	596	9.77
Boron	as B	na	na	Carbonate	as CO_3	147	4.90
				Sulphite	as SO_3	na	na
				Sulphate	as SO_4	nd	nd
Total Cations		3217	108.23	Total Anions		4428	118.47

DERIVED PARAMETERS

a) Ion Balance (Diff*100/Sum) (%) = 4.52
b) Total Alkalinity (calc as $CaCO_3$) (mg/L) = 489
c) Total of Cations + Anions = 7645
(measured dissolved salts)

d) Theoretical Result of Evaporation Test = 8012.8
(From Electrical Conductivity)
e) 0.6 x Concentration of Bicarbonate ion* = 357.6
f) Theoretical Total Dissolved Salts d) + e) = 8370.4

QUALITY CONTROL COMMENTS

Item	Actual Value	Acceptance Criteria	Satisfactory? (Yes/No)
Ion Balance (%) =	4.52	5%	Yes
Undetected ions % =	8.67	10%	Yes
(from comparison of measured vs theoretical salts derived from measured conductivity)			
Expected pH range		>8.3	Yes
% difference between measured total dissolved solids and calc total dissolved salts (from ionic comp) =	na	5%	na

na = not applicable
nd = not detected
is = insufficent sample

If No - what action is recommended by Amdel

905298 230

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A.C.N. 008 127 802

FACSIMILE TRANSMISSION FROM:

AMDEL LIMITED PETROLEUM SERVICES
35-37 STIRLING STREET, THEBARTON SA 5031
FACSIMILE NO: (08) 8234 2933 or (08) 8234 2760
TELEPHONE NO: (08) 8416 5240

TO: Andy Ian

COMPANY: Coltus Petroleum.

FAX NO: 0 2 9418 1504 DATE: 3.3.97

COPY TO:

FROM: Valentina Pavlovic TOTAL PAGES: 2.

Following are the results for the mud filtrate Skull Creek West-1. Standard water analysis will be done on DST-1 sample chamber as this is the cleanest water sample. Results will follow shortly.

Regards.
B. Valentina

905298 231

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Petroleum Services

TABLE 1 - WATER ANALYSIS

JOB NUMBER: LQ8636 - Part 2

WELL / ID: Skull Creek West-1, DST-1
SAMPLE TYPE: Mud Filtrate
SAMPLE POINT: -
DATE COLLECTED: -
DATE RECEIVED: 28/02/97

FORMATION: -
INTERVAL: 1527-1531 m
COLLECTED BY: Client

PROPERTIES:

pH (measured) = 8.66
Resistivity (Ohm.M @ 25°C) = 0.60
Electrical Conductivity (µS/cm @ 25°C) = 16800
Specific Gravity (S.G. @ 20°C) = na
Measured Total Dissolved Solids(Evap@180°C) mg/l. = na
Measured Total Suspended Solids mg/l. = na

CHEMICAL COMPOSITION

CATIONS		mg/L	meq/L	ANIONS		mg/l.	meq/L
Ammonium	as NH_4	na	na	Bromide	as Br	na	na
Potassium	as K	1924	49.21	Chloride	as Cl	4913	138.39
Sodium	as Na	2189	95.22	Fluoride	as F	na	na
Barium	as Ba	na	na	Hydroxide	as OH	nd	nd
Calcium	as Ca	28	1.40	Nitrite	as NO_2	na	na
Iron	as Fe	na	na	Nitrate	as NO_3	I.S.	I.S.
Magnesium	as Mg	nd	nd	Sulphide	as S	na	na
Strontium	as Sr	na	na	Bicarbonate	as HCO_3	894	14.66
Boron	as B	na	na	Carbonate	as CO_3	147	4.90
				Sulphite	as SO_3	na	na
				Sulphate	as SO_4	I.S.	I.S.
Total Cations		4141	145.82	Total Anions		5954	157.95

DERIVED PARAMETERS

a) Ion Balance (Diff*100/Sum) (%) = 3.99
b) Total Alkalinity (calc as $CaCO_3$) (mg/L) = 733
c) Total of Cations + Anions = 10095
(measured dissolved salts)

d) Theoretical Result of Evaporation Test = 10752
(From Electrical Conductivity)
e) 0.6 x Concentration of Bicarbonate ion* = 536.4
f) Theoretical Total Dissolved Salts d) + e) = 11288.4

QUALITY CONTROL COMMENTS

Item	Actual Value	Acceptance Criteria	Satisfactory? (Yes/No)
Ion Balance (%) =	3.99	5%	Yes
Undetected ions % =	10.57	10%	Yes
(from comparison of measured vs theoretical salts derived from measured conductivity)			
Expected pH range		<8.3	Yes
% difference between measured total dissolved solids and calc total dissolved salts (from ionic comp) =	na	5%	na

na = not applicable
nd = not detected
is = insufficent sample

If No - what action is recommended by Amdel

905298 232

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A.C.N. 008 127 802

QUALITY MANAGEMENT SYSTEM

FACSIMILE TRANSMISSION FROM:

AMDEL LIMITED PETROLEUM SERVICES
35-37 STIRLING STREET, THEBARTON SA 5031
FACSIMILE NO: (08) 8234 2933 or (08) 8234 2760
TELEPHONE NO: (08) 8416 5240

TO:	Greg O'Neill		
COMPANY:	Cultus Petroleum NL		
FAX NO:	02418 1504	DATE:	27 February, 1997
COPY TO:			
FROM:	Scott Wythe	TOTAL PAGES:	5

Greg,

Please find following gas and liquid compositions for the Skull Creek West-1 RFT sample from 1530.2m. 4.55L of flash gas and 15mL of flash liquid were obtained from the chamber. Water analysis results will be available shortly.

Best regards,

Scott Wythe
Petroleum Geochemist
Petroleum Services

905298 233

amdel

AMDEL PETROLEUM SERVICES Flash Liquid Analysis

Client: CULTUS PETROLEUM Report # LQ5621

Sample: SKULL CREEK WEST-1
RFT Sample
1530.2m

Boiling Point Range (Deg.C)	Component	Weight%	Mol%
-88.6	Ethane	0.09	0.51
-42.1	Propane	0.46	1.77
-11.7	I-Butane	0.49	1.43
-0.5	N-Butane	0.62	1.84
27.9	I-Pentane	0.40	0.95
36.1	N-Pentane	0.25	0.59
36.1-68.9	C-6	1.04	2.07
80.0	Benzene	0.05	0.11
68.9-98.3	C-7	3.19	5.46
100.9	Methylcyclohexane	0.62	1.07
110.6	Toluene	0.04	0.08
98.3-125.6	C-8	6.35	9.53
136.1-144.4	Ethylbenz+Xylenes	0.83	1.34
125.6-150.6	C-9	7.75	10.36
150.6-173.9	C-10	9.92	11.95
173.9-196.1	C-11	7.72	8.47
196.1-215.0	C-12	6.50	6.54
215.0-235.0	C-13	6.96	6.47
235.0-252.2	C-14	5.64	4.87
252.2-270.6	C-15	5.58	4.50
270.6-287.8	C-16	3.83	2.90
287.8-302.8	C-17	3.23	2.30
302.8-317.2	C-18	3.73	2.51
317.2-330.0	C-19	2.74	1.75
330.0-344.4	C-20	1.91	1.16
344.4-357.2	C-21	1.72	0.99
357.2-369.4	C-22	1.41	0.78
369.4-380.0	C-23	1.28	0.67
380.0-391.1	C-24	1.07	0.54
391.1-401.7	C-25	1.27	0.62
401.7-412.2	C-26	1.67	0.78
412.2-422.2	C-27	2.43	1.10
>422.2	C-28+	9.19	3.99
	Total	100.00	100.00

(0.00 = LESS THAN 0.01%)

The above boiling point ranges refer to the normal paraffin hydrocarbon boiling in that range. Aromatics, branched hydrocarbons, naphthenes and olefins may have higher or lower carbon numbers but are grouped and reported according to their boiling points.

Oil Parameters:

Density of Oil @ 21.8 °C	0.7953	
Specific Gravity @ 15.6 °C	0.8006	
API Gravity	45.24	
Specific Gravity of C_{28+} fraction	0.8157	(calc)
Average molecular weight of C_{28+} fraction	188	

905298 234

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PETROLEUM SERVICES GAS ANALYSIS

Method GL-01-01 ASTM D 1945-91 (modified)

Client: CULTUS PETROLEUM Report # LQ5621

Sample: SKULL CREEK WEST-1
RFT Sample
1530.2m
Flashed Stock Tank Gas

GAS	MOL. %
Nitrogen	1.82
Carbon Dioxide	0.59
Methane	69.53
Ethane	10.20
Propane	10.60
I-Butane	2.70
N-Butane	2.64
I-Pentane	0.93
N-Pentane	0.48
Hexanes	0.38
Heptanes	0.12
Octanes and higher h'cs	0.01
Total	100.00

(0.00 = less than 0.01%)

The above results are calculated on an air and water free basis assuming only the measured constituents are present
The following parameters are calculated from the above composition at 15°C and 101.325 kPa (abs)

Average Molecular Weight	24.24
Lower Flammability limit	3.72
Upper Flammability limit	13.50
Ratio of upper to lower	3.63
Wobbe Index	57.33
Compressibility Factor	0.9951
Ideal Gas Density (Rel to air = 1)	0.837
Real gas Density (Rel to air = 1)	0.841
Ideal Nett Calorific Value MJ/m^3	47.73
Ideal Gross Calorific Value MJ/m^3	52.45
Real Nett Calorific Value MJ/m^3	47.97
Real Gross Calorific Value MJ/m^3	52.71
Gross calorific value of water-saturated gas MJ/m^3	51.54

This report relates specifically to the sample submitted for analysis.

Approved Signatory _____

Registration No: 2013

Date : 27-02-97

905298 235

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AMDEL PETROLEUM SERVICES

Client: CULTUS PETROLEUM Report # LQ5621

Sample: SKULL CREEK WEST-1
RFT Sample
1530.2m

COMPOSITIONAL ANALYSIS OF RECOMBINED SEPARATOR FLUID

Component	Flashed Stock Tank Liquid Mol %	Flashed Stock Tank Gas Mol %	Recomb. Sep. Liquid Mol %
Nitrogen	——	1.82	1.33
Carbon Dioxide	——	0.59	0.43
Methane	——	69.55	50.73
Ethane	0.51	10.20	7.57
Propane	1.77	10.60	8.21
I-Butane	1.43	2.70	2.35
N-Butane	1.84	2.64	2.42
I-Pentane	0.95	0.93	0.94
N-Pentane	0.59	0.48	0.51
Hexanes	2.07	0.38	0.84
Heptanes	5.57	0.12	1.59
Octanes plus	85.27	0.01	23.08
TOTAL	100.00	100.00	100.00

RATIOS

Molar ratio	0.2707	0.7293	1.0000
Mass Ratio	0.7239	0.2761	1.0000
Gas Liquid Ratio	1.00 bbl @ SC	1674.3 SCF	——

STREAM PROPERTIES

Molecular Weight	171.3	24.2	64.0
Density obs(g/cc)	0.8002 @ 15°C	——	——
API-Gas Density	45.24 API @60°F	0.837 (air=1)	——
GHV (BTU/scf)	——	1408	——

OCTANE PLUS PROPERTIES

Mol %	85.27	0.01	23.08
Molecular Weight	187.7	114.2	187.7
Density (g/cc)	0.8154 @ 15°C	——	——
API @ 60°F	41.98	——	——

LABORATORY FLASH SEPARATION DETAILS

Separation Temperature	22	°C
Flash Gas Volume	4.55	litres
Stabilised Liquid Volume	15	ml
Liquid Density	0.7953	g/ml

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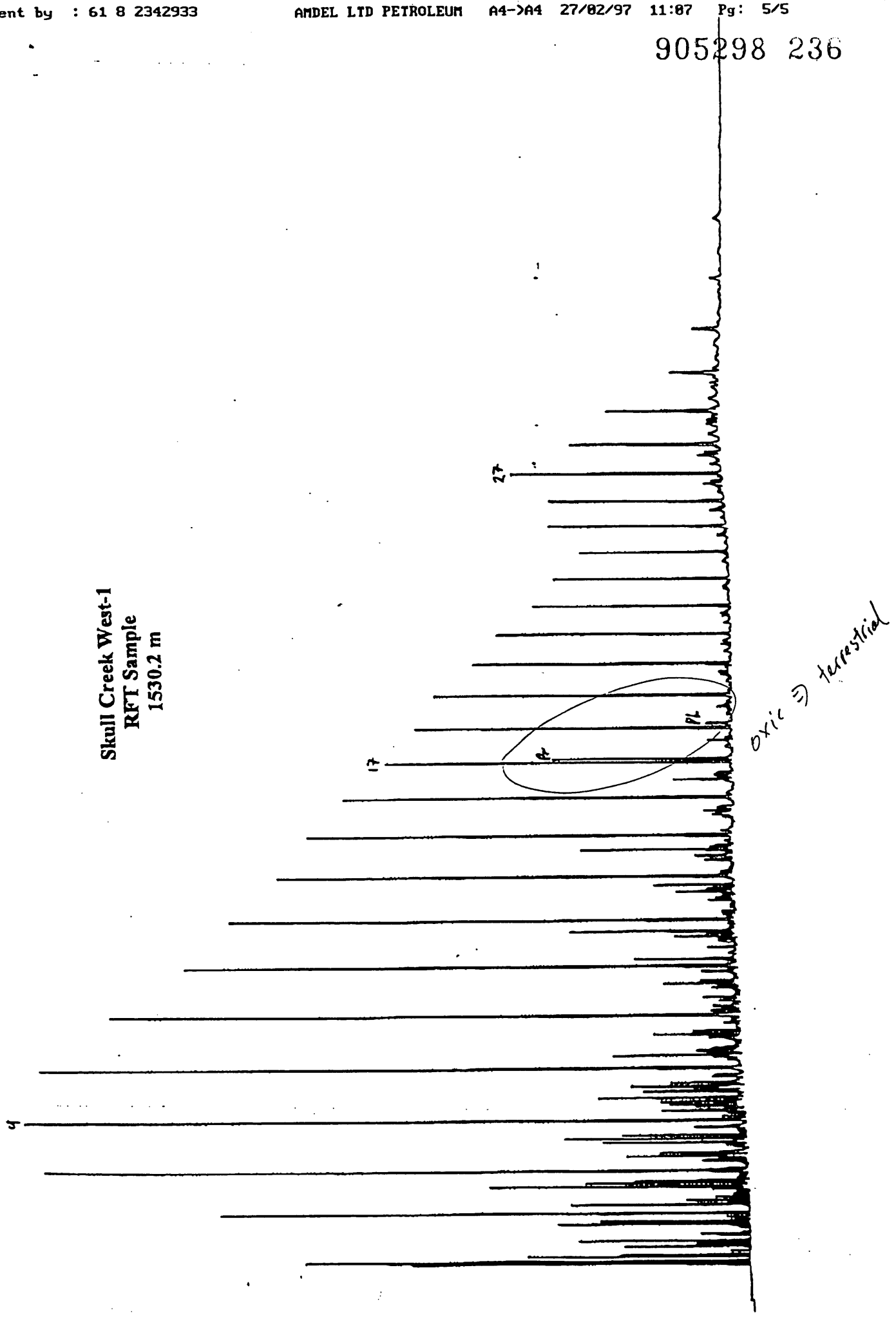
Skull Creek West-1
RFT Sample
1530.2 m
27
17
4
Pr
Ph
oxic = terrestrial

amdel

Amdel Limited
A.C.N. 008 127 802

Petroleum Services
PO Box 338
Torrensville Plaza SA 5031

Telephone: (08) 8416 5240
Facsimile: (08) 8234 2933

7 March, 1997

Cultus Petroleum NL
Level 4, 828 Pacific Highway
GORDON NSW 2072

Attention: Andy Ion

REPORT LQ5636 - Part 3

CLIENT REFERENCE:

WELL NAME/RE: Skull Creek West-1, DST-1

MATERIAL: Crude Oil

WORK REQUIRED: Liquid Composition and Physical Tests

Please direct technical enquiries regarding this work to the signatory below under whose supervision the work was carried out.

Brian L. Watson
Manager
Petroleum Services

amdel

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PHYSICAL PROPERTIES

Client: CULTUS PETROLEUM Report: LQ5636

Sample: SKULL CREEK WEST-1
DST-1, 27/02/97
1527-1531 m

Method		Description	Units	S.C.WEST-1 DST-1
IP2	ASTM D611	Aniline Point	°C	-
IP143		Asphaltenes	% wt	-
IP364	ASTM D976	Calculated Cetane Index		-
IP219	ASTM D2500	Cloud Point	°C	-
IP17		Colour by Lovibond Tintometer		-
IP274	ASTM D2624	Conductivity of Fuels	pS/m	-
IP13	ASTM D189	Conradson C Residue on 10% Dis Residue	% wt	-
IP154	ASTM D130	Copper Corrosion		-
IP365	ASTM D4052	Density @ 15°C	g/mL	0.7945
IP21		Diesel Index		-
IP123	ASTM D86	Distillation		
		IBP	°C	-
		10% Rec	°C	-
		20% Rec	°C	-
		30% Rec	°C	-
		40% Rec	°C	-
		50% Rec	°C	-
		60% Rec	°C	-
		70% Rec	°C	-
		80% Rec	°C	-
		90% Rec	°C	-
		95% Rec	°C	-
		Decomposition Point	°C	-
		Residue	% vol	-
		Loss	% vol	-
		Evaporated @ 75°C, 105°C, 135°C	% vol	-
IP131	ASTM D381	Existent Gum by Evaporation	mg/100mL	-
IP170		Flash Point Abel Closed Cup	°C	-
IP34	ASTM D93	Flash Point Pensky Martens Closed Cup	°C	-
IP156	ASTM D1319	Fluorescent Indicator Absorption Aromatics	% vol	-
IP16	ASTM D2386	Freezing Point	°C	-
IP71	ASTM D445	Kinematic Viscosity @ 40°C	cSt	2.775
IP71	ASTM D445	Kinematic Viscosity @ 100°C	cSt	-
IP15	ASTM D97	Pour Point	°C	21.0
	ASTM D5185	Aluminium	mg/kg	-
	ASTM D5185	Vanadium	mg/kg	-
	ASTM D5185	Sodium	mg/kg	-
IP365	ASTM D4052	Specific Gravity @ 60/60°F		0.7949
IP354	ASTM D3242	Total Acidity in Aviation Fuel	mgKOH/g	-
IP216		Total Contaminant	mg/L	-
	ASTM D2270	Viscosity Index		-
IP289	ASTM D1094	Water Reaction Interface Rating		-
		Separation		-
	ASTM D96	Mud	% vol	0.50
	ASTM D96	Sediment	% vol	-
IP160		API Gravity	degrees	46.51

- = not determined

Approved Signatory: M. Mas
Mohammad Massoumi

Date: 06/03/97 Registration No: 2013

This report relates specifically to the sample submitted for testing.

PETROLEUM SERVICES LIQUID ANALYSIS Method GL-02-01

Client: CULTUS PETROLEUM Report # LQ5636

Sample: SKULL CREEK WEST-1
DST-1, 27/02/97
1527-1531 m

Boiling Point Range (Deg.C)	Component	Weight%	Mol%
-88.6	ETHANE	0.16	0.84
-42.1	PROPANE	0.72	2.58
-11.7	I-BUTANE	0.67	1.82
-0.5	N-BUTANE	0.90	2.43
27.9	I-PENTANE	0.45	0.99
36.1	N-PENTANE	0.31	0.68
36.1-68.9	HEXANE, C-6	1.18	2.15
80.0	BENZENE	0.03	0.06
68.9-98.3	HEPTANE,C-7	3.95	6.20
100.9	METHYLCYCLOHEXANE	0.78	1.25
110.6	TOLUENE	0.03	0.05
98.3-125.6	OCTANE, C-8	7.79	10.73
136.1-144.4	ETHYLBZ+XYLENES	0.94	1.39
125.6-150.6	C-9	9.12	11.18
150.6-173.9	C-10	11.13	12.28
173.9-196.1	C-11	8.18	8.22
196.1-215.0	C-12	6.66	6.15
215.0-235.0	C-13	6.97	5.95
235.0-252.2	C-14	5.61	4.45
252.2-270.6	C-15	5.52	4.09
270.6-287.8	C-16	4.15	2.88
287.8-302.8	C-17	3.57	2.33
302.8-317.2	C-18	4.35	2.69
317.2-330.0	C-19	3.55	2.08
330.0-344.4	C-20	2.47	1.37
344.4-357.2	C-21	2.34	1.24
357.2-369.4	C-22	2.04	1.03
369.4-380.0	C-23	1.79	0.87
380.0-391.1	C-24	1.42	0.66
391.1-401.7	C-25	1.21	0.54
401.7-412.2	C-26	0.76	0.32
412.2-422.2	C-27	0.54	0.22
>422.2	C-28+	0.71	0.28
	Total	100.00	100.00

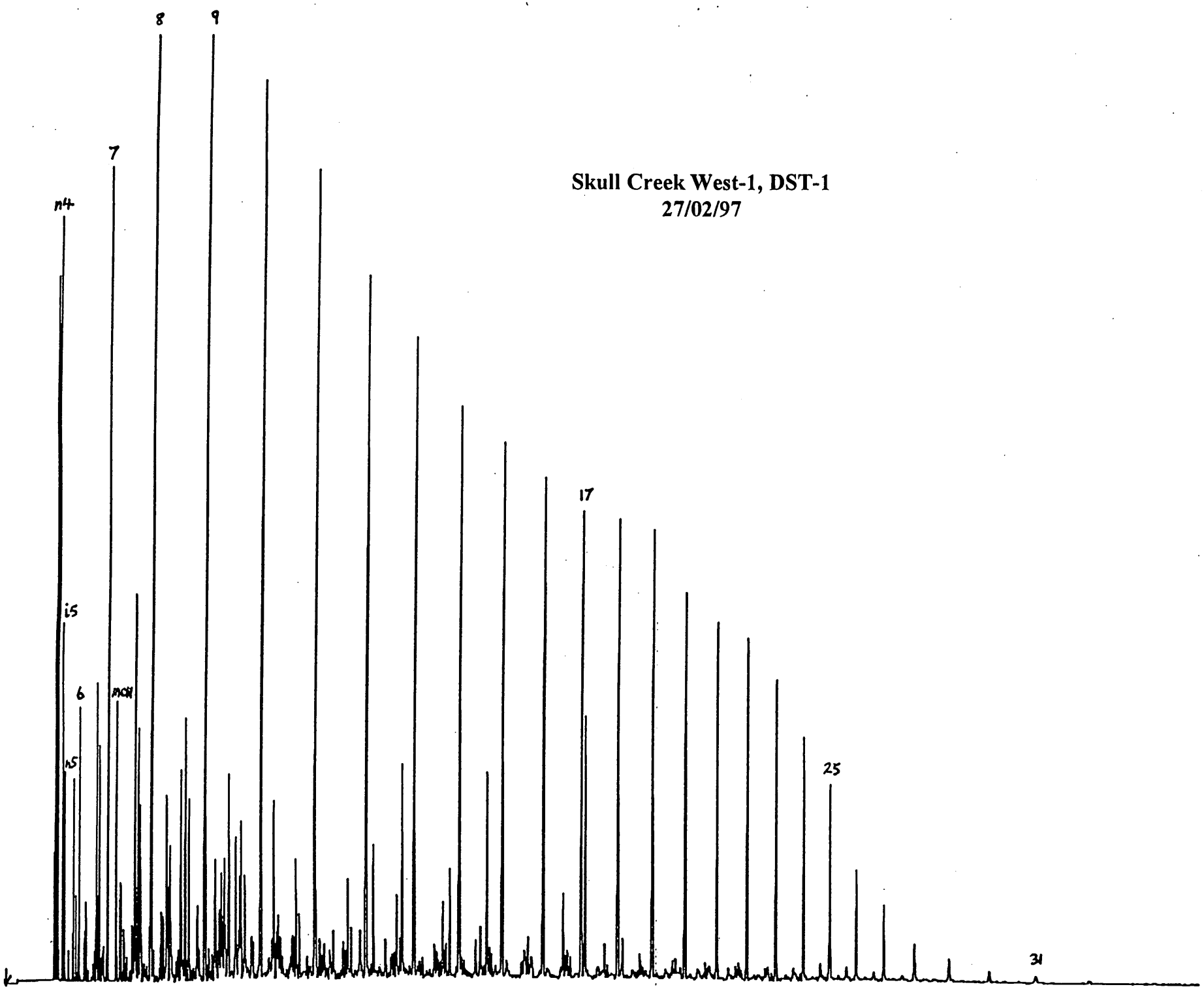
(0.00 = LESS THAN 0.01%)

The above boiling point ranges refer to the normal paraffin hydrocarbon boiling in that range. Aromatics, branched hydrocarbons, naphthenes and olefins may have higher or lower carbon numbers but are grouped and reported according to their boiling points.

Average molecular weight of C-8 plus fraction (calc) = 175 g/mol

This report relates specifically to the sample submitted for analysis.

Approved Signatory Carmelia Valente
Registration No: 2013
Date 06-Mar-97



SECTION 10

WELLSITE SAMPLE MANIFEST

HALLIBURTON SDL 53-55 BANNISTER ROAD CANNINGVALE PHONE 09 4555200

905298 243

SAMPLE MANIFEST FOR CULTUS SKULLCREEK WEST 1

DST # 1

CONDENSATE SAMPLE

27/08/97

DEPTH INTERVAL : 1527 - 1531m

SAMPLE COLLECTED FROM: DRILL PIPE

POUR PIONT : 8.7 °C

SPECIFIC GRAVITY: 0.789 @ 20 °C

SPECIFIC GRAVITY: 0.789 @ 24.0 °C

CONDENSATE was very waxey, wax dissolved when heated to 24.0°C

SAMPLES COLLECTED

3 x square gallon tin cans

SCH-1 DST # 1 27/2/97 SAMPLE

SCH-1 DST # 1 27/2/97 SAMPLE 4 OIL

SCH-1 DST # 1 27/2/97 SAMPLE 8 OIL

5 x square gallon plastic containers

SCH-1 DST # 1 27/2/97 SAMPLE 11 WATER/MUD

SCH-1 DST # 1 27/2/97 SAMPLES

SCH-1 DST # 1 27/2/97 SAMPLE 9

SCH-1 DST # 1 27/2/97 SAMPLE 9

SAMPLES COLLECTED FOR ROD HARRIS

4 x round gallon tins

SCH-1 DST # 1 27/2/97 SAMPLE 3 OIL

SCH-1 DST # 1 " SAMPLE 7 OIL

SCH-1 DST # 1 " SAMPLE 5

SCH-1 DST # 1 " SAMPLE 2 OIL

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CULTUS PETROLEUM N.L.

SKULL CREEK WEST-1

DST #1 DST#2 RFT#1 SAMPLES

RFT#1 1530.2m
DST#1 1527-1531m
DST#2 1311-1315m

DST#1 Box 1 Oil samples 9A and 10
Box 2 Oil samples 8 and 9B
Box 3 Oil samples 11, 8A, 6 and 4

DST#2 Box 1 Water samples #1 Top of fluid recovery
#2 1 bbl into recovery
#3 8 bbls into recovery
#4 16.5 bbls into recovery
Water sample from sample chamber
Mud filtrate sample
RFS#1 Samples - 1 gas bomb Pressure <1000 PSI large chamber
-2 water samples from large chamber
Box 2 2 gas bombs from DST#2 pressure <7 PSI.

These are in Cobden / MAX NELSON
You have the lists of samples sent.

HALLIBURTON SDL 53-55 BANNISTER ROAD CANNINGVALE PHONE 09 4555200

905298 245

SAMPLE MANIFEST FOR CULTUS SKULLCREEK WEST 1

WASHED AND DRIED DITCH CUTTINGS (TWO SETS)

BOTH SETS: One carton each, containing nine boxes off the following depth intervals.

Box 1	0 - 269m
Box 2	260 - 480m
Box 3	480 - 660m
Box 4	660 - 970m
Box 5	970 - 1180m
Box 6	1180 - 1350m
Box 7	1350 - 1575m
Box 8	1575 - 1790m
Box 9	1780 - 2000m

One set for MINES AND ENERGY VICTORIA

One set for CULTUS PETROLEUM

Sample intervals: Surf-1100m 10m samples
1100-2000m 5m samples

UNWASHED DITCH SAMPLES SURF- 2000m

Sample interval: 20m spot samples / One set of two cartons: first carton surf - 1100m
second carton 1100 - 2000m

SAMPLEX TRAYS (one set)

surf-2000m in one box

For CULTUS PETROLEUM - hand carried.

MUD SAMPLES

One sample for CULTUS PETROLEUM

HALLIBURTON SDL 53-55 BANNISTER ROAD CANNINGVALE PHONE 09 4555200

SAMPLE MANIFEST FOR CULTUS SKULL CREEK WEST 1

DST # 2

27/02/97

GAS ANALYSIS

.....

TG 197296ppm
986 units
C1 195863
C2 716.5 100/tr

TC 116584ppm
583 units 100/tr

MAX GAS 714879ppm
3574 units

HALLIBURTON SDL 53-55 BANNISTER ROAD CANNINGVALE PHONE 09 4555200

905298 247

SAMPLE MANIFEST FOR CULTUS SKULLCREEK WEST 1

CORES

CORE RUN 1 (A)
1291.5m-1292.0m

CORE BOX (a):HAS TOP THREE SECTIONS OF CORE

SECTION (1):Core marked 1291.75 two pieces
(2): " " 1291.0 one "
(3) " " 1291.5 one "

CORE BOX (b):HAS REMAINING TWO SECTIONS OF CORE

SECTION (4):Core marked 1291.6 one piece
(5) Cores marked 1291.9 & 1292.0 two pieces

CORE RUN 1 (B)
1292.0m-XXXXXm

HALLIBURTON SDL 33-35 BANNISTER ROAD CANNINGVALE PHONE 09 4353200

905298 248

SAMPLE MANIFEST FOR CULTUS SKULLCREEK WEST 1

CORE 2

CORE RUN 2
1292m-1310.0m

The Core wasm retrieved in a 18m Aluminium Core Sleeve.
It was cut into lengths as described below.

CORE SECTION NUMBER	TOP DEPTH	MIDDLE DEPTH	BOTTOM DEPTH	(T)NUMBER
1	1292.0	------	1292.5	20
2	1292.5	1293	1293.5	19
3	1293.5	1294	1294.5	18
4	1294.5	1295	1295.5	17
5	1295.5	1296	1296.5	16
6	1296.5	1297	1297.5	15
7	1297.5	1298	1298.5	14
8	1298.5	1299	1299.5	13
9	1299.5	1300	1300.5	12
10	1300.5	----	1300.87	11
11	1300.87	----	1301.5	10
12	1301.5	1302	1302.5	9
13	1302.5	1303	1303.5	8
14	1303.5	1304	1304.5	7
15	1304.5	1305	1305.5	6
16	1305.5	1306	1306.5	5
17	1306.5	1307	1307.5	4
18	1307.5	1308	1308.5	3
19	1308.5	1309	1309.5	2
20	1309.5	1310	1310.3	1

905298 249

HALLIBURTON SDL 53-55 BANNISTER ROAD CANNINGVALE PHONE 09 4555200

SAMPLE MANIFEST FOR CUL-TUS SKULLCREEK WEST 1

CORE 3

CORE RUN 3
1748 - 1766.3m

The Core wasm retrieved in a 18m Aluminium Core Sleeve.
It was cut into lengths as described below.

CORE SECTION NUMBER	TOP DEPTH	MIDDLE DEPTH	BOTTOM DEPTH	(T)NUMBER
1	1748		1748.5	19
2	1748.5	1749	1749.5	18
3	1749.5	1750	1750.5	17
4	1750.5	1751	1751.5	16
5	1751.5	1752	1752.5	15
6	1752.5	1753	1753.5	14
7	1753.5	1754	1754.5	13
8	1754.5	1755	1755.5	12
9	1755.5	1756	1756.5	11
10	1756.5	1757	1757.5	10
11	1757.5	1758	1758.5	9
12	1758.5	1759	1759.5	8
13	1759.5	1760	1760.5	7
14	1760.5	1761	1761.5	6
15	1761.5	1762	1762.5	5
16	1762.5	1763	1763.5	4
17	1763.5	1764	1764.5	3
18	1764.5	1765	1765.5	2
19	1765.5	1766	1766.3	1

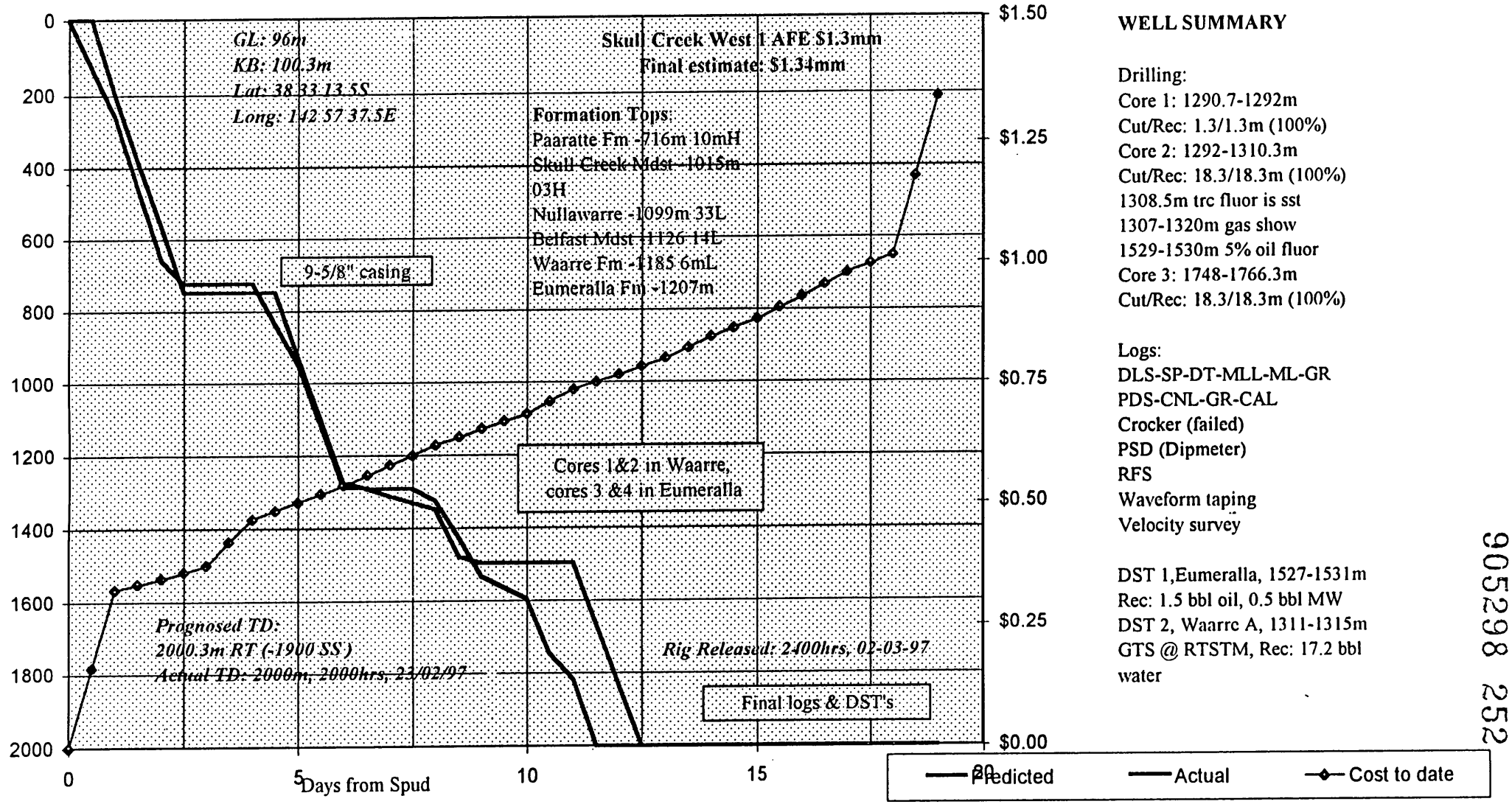
SECTION 11

TIME vs. DEPTH CURVE

3/3/97

Spudded: 1400hrs, 12/2/97

Skull Creek West 1 - PPL1



WELL SUMMARY

Drilling:
Core 1: 1290.7-1292m
Cut/Rec: 1.3/1.3m (100%)
Core 2: 1292-1310.3m
Cut/Rec: 18.3/18.3m (100%)
1308.5m trc fluor is sst
1307-1320m gas show
1529-1530m 5% oil fluor
Core 3: 1748-1766.3m
Cut/Rec: 18.3/18.3m (100%)

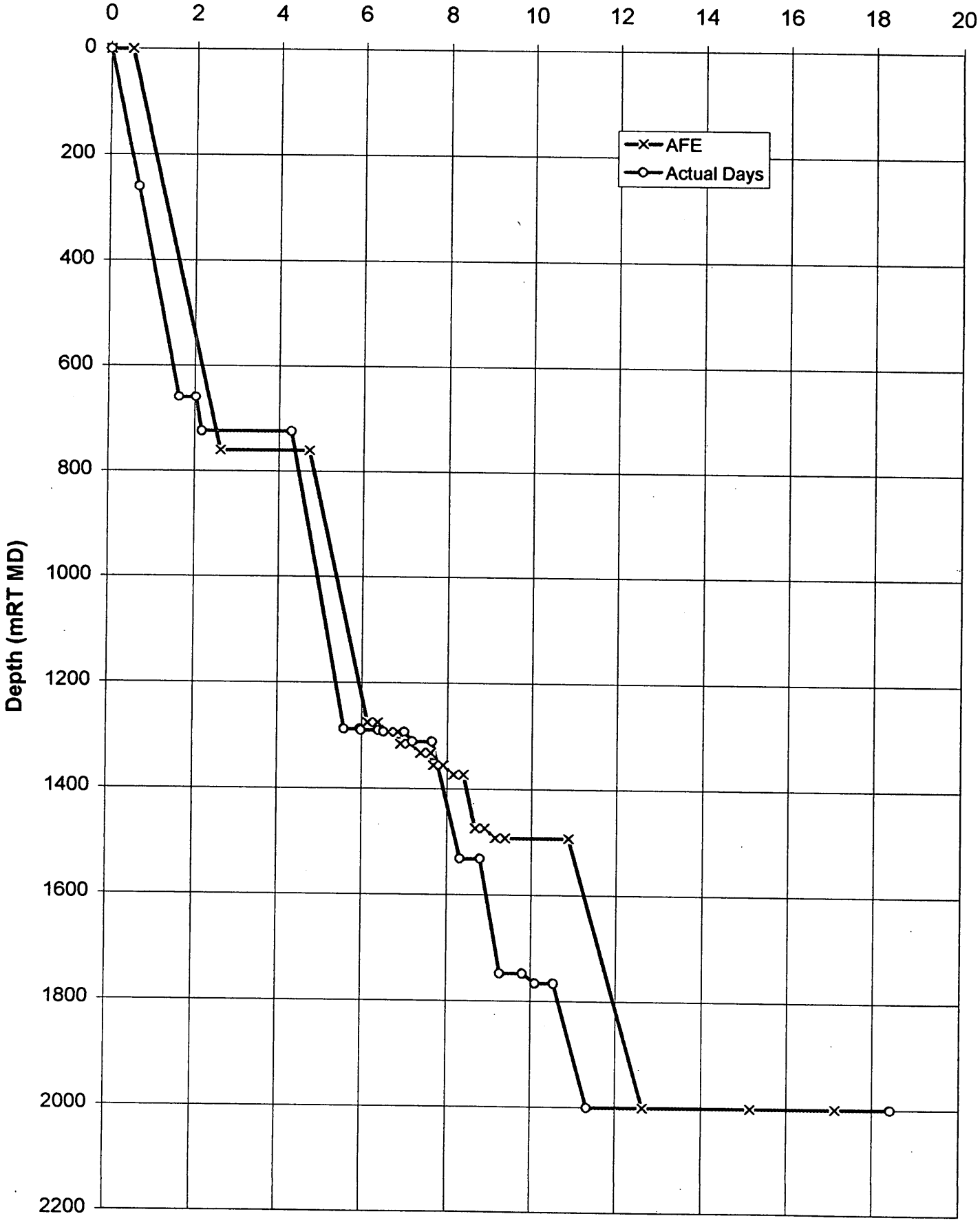
Logs:
DLS-SP-DT-MLL-ML-GR
PDS-CNL-GR-CAL
Crocker (failed)
PSD (Dipmeter)
RFS
Waveform taping
Velocity survey

DST 1,Eumeralla, 1527-1531m
Rec: 1.5 bbl oil, 0.5 bbl MW
DST 2, Waarre A, 1311-1315m
GTS @ RTSTM, Rec: 17.2 bbl
water

Distribution: DB, SR, MVD, AA, CW, GS, KL, CM, GD

Skull Creek West-1

Days versus Depth Curve

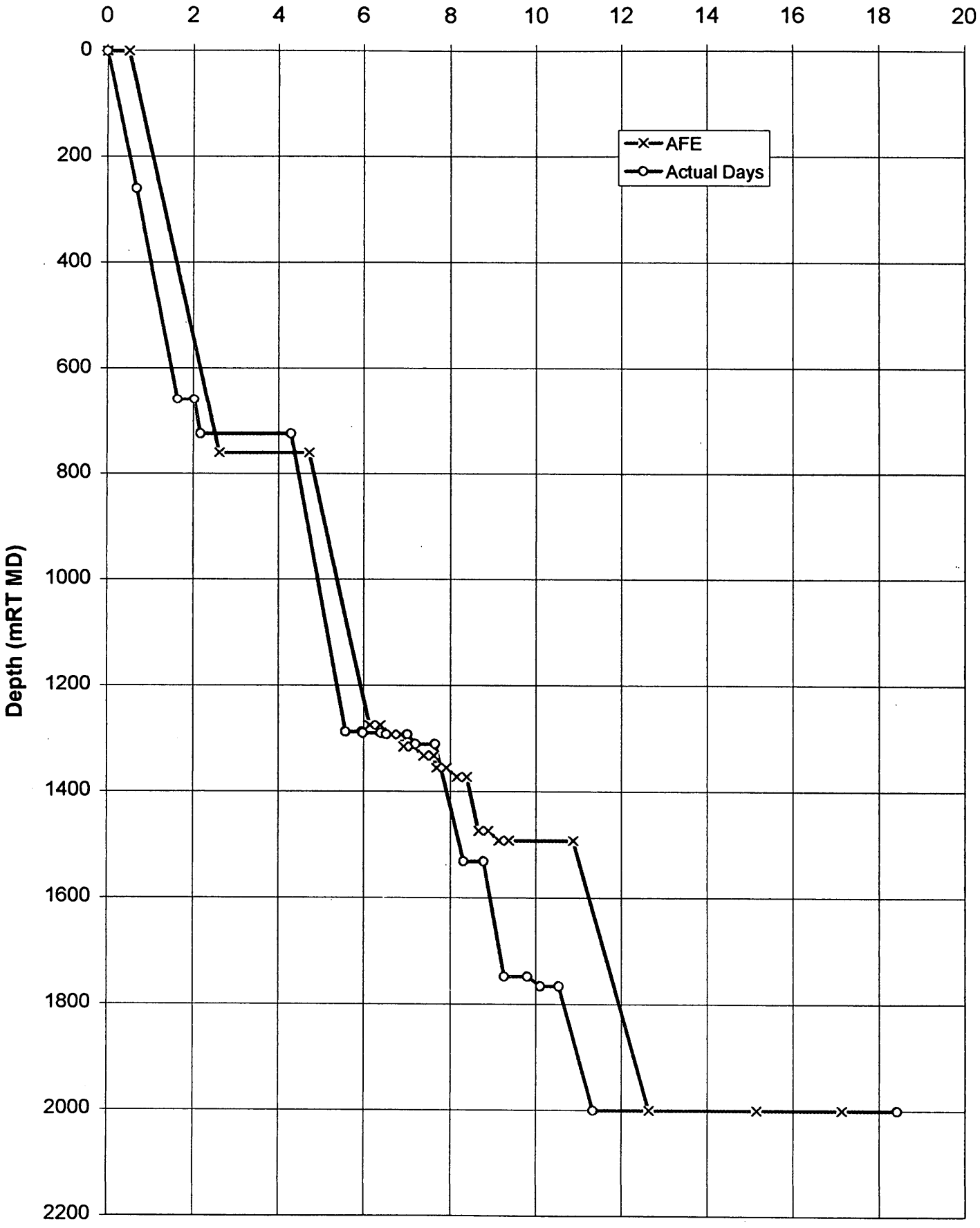


TVD Data

Time	Days	Cum Days	Depth	ROP	Comments
				mph	
12/02/97 14:00	0	0	0		
13/02/97 6:00	0.67	0.67	260	16.3	
14/02/97 5:00	0.96	1.63	658	17.3	
14/02/97 14:30	0.40	2.02	658		Trip Bit
14/02/97 18:00	0.15	2.17	724	18.9	
16/02/97 21:00	2.13	4.29	724		Case, Cement, BOP's
18/02/97 4:00	1.29	5.58	1287	18.2	
18/02/97 13:00	0.38	5.96	1287		Core Point #1
18/02/97 13:30	0.02	5.98	1290	6.0	
18/02/97 23:30	0.42	6.40	1290		Core Point #1 Revised
19/02/97 2:30	0.13	6.52	1292	0.7	Core #1
19/02/97 14:00	0.48	7.00	1292		Core Point #2
19/02/97 18:30	0.19	7.19	1310	4.0	Core #2
20/02/97 5:30	0.46	7.65	1310		
20/02/97 21:30	0.67	8.31	1531	13.8	Drill
21/02/97 9:00	0.48	8.79	1531		Dropped Blocks
21/02/97 20:30	0.48	9.27	1748	18.9	Drill
22/02/97 9:30	0.54	9.81	1748		Core Point #3
22/02/97 16:30	0.29	10.10	1766	2.6	Core #3
23/02/97 3:00	0.44	10.54	1766		
23/02/97 22:00	0.79	11.33	2000	12.3	Drill
3/03/97 0:00	7.08	18.42	2000		Evaluation

Skull Creek West-1

Days versus Depth Curve



ENCLOSURES:

1:500 Mudlog
1:200 Combo Log
1:200 Nuclear Log
1:500 Log Analysis Plot

PE604154

This is an enclosure indicator page.
The enclosure PE604154 is enclosed within the container PE905298 at this location in this document.

The enclosure PE604154 has the following characteristics:

ITEM_BARCODE	PE604154
CONTAINER_BARCODE	PE905298
NAME	Encl.1 Skull Creek West-1 Paper Well Log
BASIN	OTWAY
ONSHORE?	Y
DATA_TYPE	WELL
DATA_SUB_TYPE	WELL_LOG
DESCRIPTION	Encl.1 Skull Creek West-1 Paper Well Log, Dual and Micro Laterolog Compensated Sonic Micro Log, Scale 1:200, for Cultus Petroleum N.L. Enclosure 1 contained within "Preliminary Data Report" [PE905298].
REMARKS	
DATE_WRITTEN	24-FEB-1997
DATE_PROCESSED	
DATE_RECEIVED	02-APR-1997
RECEIVED_FROM	Basin Oil N.L.
WELL_NAME	Skull Creek West-1
CONTRACTOR	Cultus Petroleum N.L.
AUTHOR	
ORIGINATOR	Cultus Petroleum N.L.
TOP_DEPTH	0
BOTTOM_DEPTH	1994.6
ROW_CREATED_BY	CM41_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE604155

This is an enclosure indicator page.
The enclosure PE604155 is enclosed within the container PE905298 at this location in this document.

The enclosure PE604155 has the following characteristics:

ITEM_BARCODE	PE604155
CONTAINER_BARCODE	PE905298
NAME	Encl.2 Skull Creek West-1 Paper Well Log
BASIN	OTWAY
ONSHORE?	Y
DATA_TYPE	WELL
DATA_SUB_TYPE	WELL_LOG
DESCRIPTION	Encl.2 Skull Creek West-1 Paper Well Log, Photo Density Compensated Neutron Log, Scale 1:200, for Cultus Petroleum N.L., W1180, PPL1. Enclosure 2 contained within "Preliminary Data Report" [PE905298].
REMARKS	
DATE_WRITTEN	24-FEB-1997
DATE_PROCESSED	
DATE_RECEIVED	02-APR-1997
RECEIVED_FROM	Basin Oil N.L.
WELL_NAME	Skull Creek West-1
CONTRACTOR	Cultus Petroleum N.L.
AUTHOR	
ORIGINATOR	Cultus Petroleum N.L.
TOP_DEPTH	1150
BOTTOM_DEPTH	1800
ROW_CREATED_BY	CM41_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE604156

This is an enclosure indicator page.
The enclosure PE604156 is enclosed within the container PE905298 at this location in this document.

The enclosure PE604156 has the following characteristics:

ITEM_BARCODE	= PE604156
CONTAINER_BARCODE	= PE905298
NAME	= Encl.3 Formation Evaluation Log
BASIN	= OTWAY
ONSHORE?	= Y
DATA_TYPE	= WELL
DATA_SUB_TYPE	= MUD_LOG
DESCRIPTION	= Encl.3 Formation Evaluation Log (Mud Log), Scale 1:500, Skull Creek West-1, for Cultus Petroleum, W1180, PPl1. Enclosure 3 contained within "Preliminary Data Report" [PE905298].
REMARKS	=
DATE_WRITTEN	= 23-FEB-1997
DATE_PROCESSED	=
DATE_RECEIVED	= 02-APR-1997
RECEIVED_FROM	= Basin Oil N.L.
WELL_NAME	= Skull Creek West-1
CONTRACTOR	= Halliburton Australia Pty Ltd
AUTHOR	=
ORIGINATOR	= Cultus Petroleum N.L.
TOP_DEPTH	= 0
BOTTOM_DEPTH	= 1996
ROW_CREATED_BY	= CM41_SW

(Inserted by DNRE - Vic Govt Mines Dept)

PE604157

This is an enclosure indicator page.
The enclosure PE604157 is enclosed within the container PE905298 at this location in this document.

The enclosure PE604157 has the following characteristics:

ITEM_BARCODE	PE604157
CONTAINER_BARCODE	PE905298
NAME	Encl.4 Complex Lithology Model
BASIN	OTWAY
ONSHORE?	Y
DATA_TYPE	WELL
DATA_SUB_TYPE	WELL_LOG
DESCRIPTION	Encl.4 Skull Creek West-1 Complex Lithology Model, Computer Processed Logs (CPI Log), for Cultus Petroleum N.L., W1180, PPL1. Enclosure 4 contained within "Preliminary Data Report" [PE905298].
REMARKS	
DATE_WRITTEN	24-FEB-1997
DATE_PROCESSED	
DATE_RECEIVED	02-APR-1997
RECEIVED_FROM	Basin Oil N.L.
WELL_NAME	Skull Creek West-1
CONTRACTOR	
AUTHOR	
ORIGINATOR	Cultus Petroleum N.L.
TOP_DEPTH	1275
BOTTOM_DEPTH	1550
ROW_CREATED_BY	CM41_SW

(Inserted by DNRE - Vic Govt Mines Dept)