

**SIDEWALL CORE DESCRIPTIONS**

**SUNBIRD-1**

DEPT. OF MINES & ENERGY  
DO NOT REMOVE  
  
**P00717**



◆ TEIKOKU OIL (BONAPARTE GULF) CO., LTD.

SIDEWALL CORE DESCRIPTION

Well: SUNBIRD-1 Suite 2 Shot / Rec. 30 / 26

No. 1 Date 26 SEP  
Desc. by M. Adamson

No.	Depth (m)	Rec. (cm)	Lithology				Grain Texture				Matrix Type/%	Cement Type/%	Hard.	Porosity Type/%	Oil Show / Fluor.	Remarks
			Lith.	%	Modifiers	Color	Grains	Size	Round.	Sort.						
1	2542.6-															Empty
2	2507.5	1.0	Sltst	100	v arg	dk gry							hd	-	nil	brit, sbfis, blk, tr vf gr Sst
3	2442	1.2	Sst	100	?kao	v lt gry	Qtz	vf-f	wl mdd -sbang	mod -wl	abd wh cl	com wk calc tr sil	frm -mod hd	pr-v pr	nil	pr Spl
4	2235	1.0	Sltst	100	arg	m-dk gry							sft-frm	-	nil	occ f gr Sst, v pr Spl
5	2221.9	1.2	Sltst	70		dk gry	Qtz									
			Sst	30		lt gry	Qtz	f	sbang-sbrmdd	mod	abd off wh-dk gry cl	tr calc tr-com sil	frm	v pr	nil	thnly intbd
6	2185.9	1.5	Clst	80	sticky	dk gry							sft	-	nil	tr carb Mat, pr Spl
			Sltst	20		m gry							sft-frm	-	nil	sbblky, grd to vf gr Sst, com disom Pry
7	2164.9-															Empty
8	2144.9	2.5	Sst	100		lt-m gry	Qtz tr Pyr	vf	sbang-sbrmdd	wl	com off wh cl	tr sil	frm -fri	pr-fr	nil	tr-com disom Pyr
9	2117	3.0	Sst	100		off wh	Qtz	vf-f	sbang-sbrmdd	wl	com wh cl	tr-com sil	frm -fri	pr-occ fr	nil	
10	2106.9	1.5	Sst	100	v arg	off wh -pl bm	Qtz	vf-m	sbang-rmdd	pr-mod	com-abd off wh cl	tr sil tr-com calc I.P.	frm -occ mod hd	pr	nil	tr nod Pyr

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SIDEWALL CORE DESCRIPTION

Well: SUNBIRD-1 Suite 2 Shot / Rec. 30 / 26

No. 2 Date 26 SEP  
Desc. by M. Adamson

No.	Depth (m)	Rec. (cm)	Lithology				Grain Texture				Matrix Type/%	Cement Type/%	Hard.	Porosity Type/%	Oil Show / Fluor.	Remarks
			Lith.	%	Modifiers	Color	Grains	Size	Round.	Sort.						
11	2045	2.8	Sltst	100	v arg	dk gry							frm -mod hd	-	nil	sbfis-blky, lam w/ tr vf gr Sst, tr vf carb Mat
12	2041.9	2.2	Sst	100	cl	lt gry	Qtz	vf	ang- sbrmdd	wl	abd off wh cl	tr-com sil	frm -mod hd	pr	nil	
13	2027.4	2.5	Sst	100	mass	off wh	Qtz	vf	ang- sbrmdd	mod	com wh cl	com sil + ovgr	frm -mod hd	fr-pr	r-tr Fluor	
14	2021.9	3.0	Sst	100	mass	off wh	Qtz	vf	sbang- sbrmdd	wl	com-occ abd wh cl	tr-com sil	frm -mod hd	pr-fr	nil	
15	2014	2.0	Sst	100	mass	lt gry	Qtz	vf-f	sbang -sbrmdd	wl	nil-com grysh cl	tr-com sil	frm -mod hd	fr	nil	
16	2003	-														Empty
17	1947.4	2.0	Sst	100	mass	off wh -lt gry	Qtz	vf-m	ang-occ sbrmdd	pr- mod	tr-com wh cl	com sil	frm -mod hd	fr-occ pr	r-tr Fluor	
18	1942	2.1	Sltst	100	v arg mic, mass	dk gry						non calc	frm -hd	-	nil	blky
19	1874	1.7	Sltst	60	v arg	m-dk gry							frm -sft	-	nil	blky-sbblky
			Sst	40		lt gry	Qtz	f	sbang- sbrmdd	mod	com-abd off wh & gry cl	tr-com sil	frm -fri	pr-v pr	nil	mott&intrlam w/ each other
20	1842	1.6	Sst	100	mass	wh	Qtz tr Lit	f-m	ang- sbrmdd	mod -pr	occ wh cl	tr-com sil	mod hd	fr-pr	nil	uneven distribution of cl Mtrx

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SIDEWALL CORE DESCRIPTION

Well: SUNBIRD-1 Suite 2 Shot / Rec. 30 / 26

No. 3 Date 26 SEP  
Desc. by M. Adamson

No.	Depth (m)	Rec. (cm)	Lithology				Grain Texture				Matrix Type/%	Cement Type/%	Hard.	Porosity Type/%	Oil Show / Fluor.	Remarks
			Lith.	%	Modifiers	Color	Grains	Size	Round.	Sort.						
21	1795	2.5	Sltst	50	v arg	m-dk gry							frm -mod hd	-	nil	grd w/ each other
			Clst	50	sily	dk gry								frm -mod hd	-	nil
22	1732.5	2.2	Sst	100	arg	wh-off wh	Qtz	vf-m	ang-sbrmdd	mod -pr	abd wh cl	tr-occ sil	v sft -frm	v pr-pr	nil	
23	1707.7	-														Empty
24	1686	1.5	Sltst	100	v arg	dk gry					tr mic		frm -mod hd	-	nil	blky, tr carb Mat pr Spl
25	1569	2.5	Clst	90	mass	dk gry					sily I.P.		frm -hd	-	nil	
			Sltst	10		m gry							mod hd	-	nil	intrlam w/Clst, grd to Sst
26	1558	2.0	Sst	100	arg, mass	lt gry	Qtz tr Lit	f-m	ang-sbrmdd	pr-mod	abd wh cl	tr-com sil	mod hd	pr	nil	tends to Gwke
27	1482	2.5	Clst	100	mass, hom	dk gry -blk					tr sily I.P.		frm -mod hd	-	nil	blky
28	1416	2.5	Sst	100	arg, mass	lt gry	Qtz tr Lit	f-m	arg-sbrmdd	pr-mod	abd wh cl	tr-com sil	hd-mod hd	pr	nil	Pt of core frac
29	1386.8	3	Clst	100	hom, mass	dk gry -blk					com sit	sily calc	frm -mod hd	-	nil	blky-sbblky





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SIDEWALL CORE DESCRIPTION

Well: SUNBIRD-1 Suite 2 Attempt. / Rec. 15 / 14 (MSCT Run 3) No. 1 Date 26 SEP  
Desc. by M. Adamson

No.	Depth (m)	Rec. (cm)	Lithology				Grain Texture				Matrix Type / %	Cement Type / %	Hard.	Porosity Type / %	Oil Show / Fluor.	Remarks
			Lith.	%	Modifiers	Color	Grains	Size	Round.	Sort.						
1	1960	4.0	Sst	100	sil	lt-m gry	Qtz	f-m	ang- sbmdd	wl- mod	nil-occ tr wh cl	abd sil tr calc	hd- v hd	pr-v pr	nil	tr carb Mat
2	1964	4.0	Sst	100	sil	lt-m gry	Qtz	vf	wl mdd -sbang	wl		abd sil	v hd	pr-v pr	nil	tr carb Mat
3	2053.5	4.0	Sst	100		lt gry	Qtz tr Lit	f	ang- sbmdd, occ mdd	wl	tr wh cl	com sil tr calc I.P.	mod hd	pr-fr	nil	tr dk gry Lit
4	2064	3.5	Sst	100		lt gry	Qtz	vf-f	sbang -sbmdd	wl	com-abd wh cl	com-abd sil tr calc	hd- v hd	pr-v pr	tr Fluor	tr dk bit Mat
5	2067.5	3.0	Sst	100		lt gry	Qtz v rr-tr Pyr	vf-f	sbang -sbmdd	wl- mod	abd wh cl	mod sil tr calc I.P.	mod hd- frm	v pr	nil	pch of disom Pyr, v r-tr
6	2082	3.2	Sst	100	sil	m-lt gry	Qtz v rr Lit	f	ang-occ sbmdd	wl- mod	fr off wh cl I.P.	abd sil	v hd	pr-v pr	nil	
7	2116	2.0	Sst	100		m-lt gry	Qtz	vf-f	ang- sbmdd	wl- mod	com-abd off wh cl	mod sil	mod hd	pr-occ fr	nil	
8	2128.5	4.0	Sst	100	gen cln	lt gry	Qtz	vf- occ m	mdd- occ sbang	mod- wl	nil-tr wh cl	mnr wk sil	frm- occ fri	fr-occ gd	tr Fluor	
9	2203.3	4.4	Sst	100	pyr	m-lt gry	Qtz	vf-f	ang- sbmdd	mod	nil-tr dk grysh cl	com-abd sil, com pyr I.P.	mod hd- hd	pr-fr	nil	
10	2208.3	4.4	Sst	100	sil	lt-m gry	Qtz	f-vf	ang- sbmdd	wl	nil-tr off wh cl	abd sil	hd	pr	nil	
11	2213	2.2	Sltst	100	mic, sil	m gry	tr Pyr						hd- v hd	-	nil	fis, ang brk, grd to vf gr Sst, Mic has a com hor orientation







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SIDEWALL CORE DESCRIPTION

Well: SUNBIRD-1 Suite 3 Shot / Rec. 15 / 15

No. 1 Date 21 OCT  
Desc. by S. Falloon

No.	Depth (m)	Rec. (cm)	Lithology				Grain Texture				Matrix Type/%	Cement Type/%	Hard.	Porosity Type/%	Oil Show / Fluor.	Remarks
			Lith.	%	Modifiers	Color	Grains	Size	Round.	Sort.						
1	3265	2.0	Clst	100	slty	m gry	com micromic				slt 40		frm -mod hd	-	res cut Fluor	tr carb Mat
2	3210	2.0	Clst	100	slty	m gry	com micromic				slt 30		mod hd	-	res cut Fluor	
3	3180	2.0	Clst	100	slty	m gry	com micromic				slt 20		hd	-	csH cut	tr carb Mat
4	3112.5	2.5	Clst	100		m gry	tr micromic				slt 10		hd	-	res cut Fluor	
5	3065	2.5	Clst	100		m gry	tr micromic				slt 10		hd	-	csH cut	
6	3010	2.0	Clst	100		m gry	tr micromic & micropyr				slt 10		hd	-	res cut Fluor	
7	2970	1.5	Clst	100	slty, sdy	off wh lt gry	v f sd 20% tr micromic				slt 20		frm	-	res cut Fluor	com carb Mat, lam
8	2941.4	1.0	Sst	100	sil	lt gry	Qtz	vf-f	ang- sbrmdd	mod wl		abd sil com pyr v slily calc&dol	hd	nil	nil	
9	2920	2.0	Clst	100		m gry	tr micromic				slt 10	v slily calc	mod hd	-	csH cut	
10	2890	2.5	Sltst	100	arg micromic	dk gry	abd micromic				cl 30	v slily calc	hd	-	res cut Fluor	
11	2850	2.0	Clst	100	slty	m gry	com micromic				slt 20		hd	-	csH cut	tr carb Mat
12	2775	2.0	Clst	100	slty	lt-m gry	com micromic				slt 30		frm	-	csH cut	lam

